

Web Config Reference Guide

TM-H6000VI

TM-S1000II-NW

TM-T20IV

TM-T20IV-L

TM-T20IV-SP

TM-T20X-II

TM-T82IV

TM-T82IV-L

TM-T82X-II

TM-T83IV

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About this Manual

Key to Symbols

The symbols in this manual are identified by their level of importance, as defined below. Read the following carefully before handling the product.

 IMPORTANT	Indicates information with which you must comply when using the product. Mishandling due to ignoring this information may cause the product to fail or malfunction.
 NOTE	Indicates supplementary explanations and information you should know.

Using Web Config

Web Config is a printer's built-in web page that allows you to check and change printer settings on your browser. To use Web Config, you need to set your computer's IP address to the same segment as the printer.

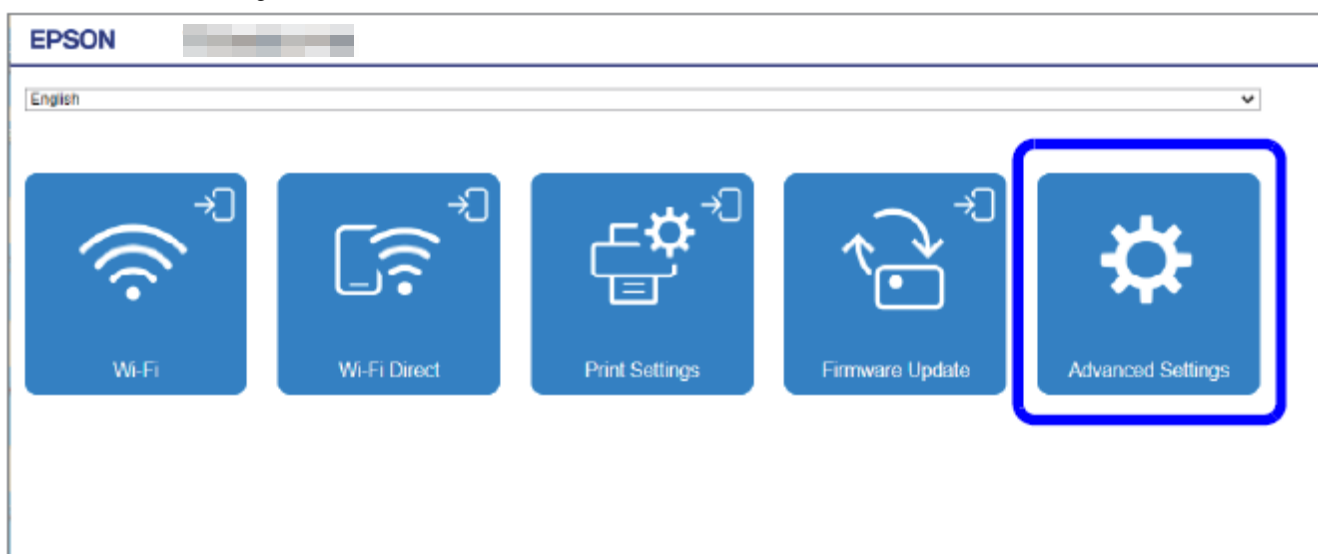
How to Start Web Config

[Models other than the TM-S1000II-NW]

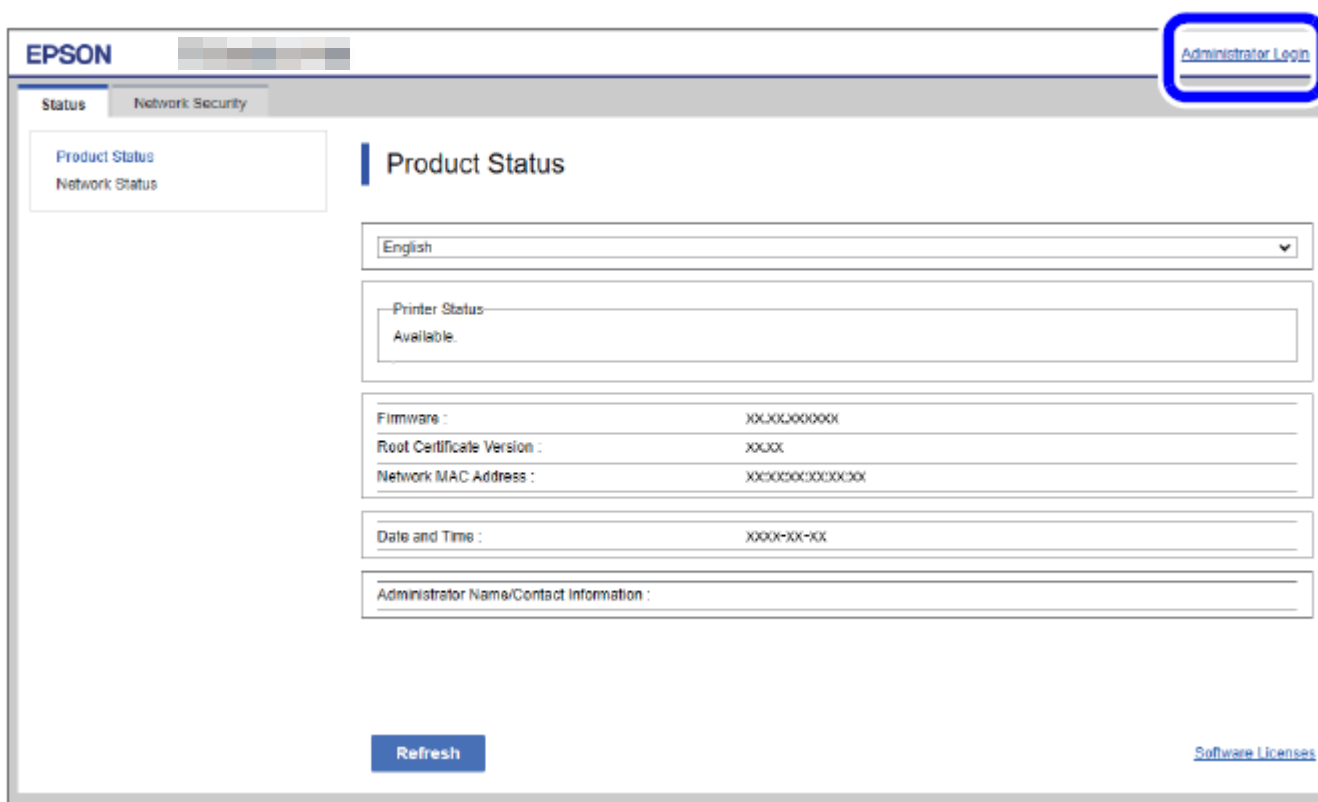
1. Start your web browser on a computer or smart device on the network and enter the IP address of the printer in the address field.

Example for HTTPS	Example for HTTP
IPv4: https://192.0.2.111/ IPv6: https://[2001:db8::1000:1]/	IPv4: http://192.0.2.111/ IPv6: http://[2001:db8::1000:1]/

2. Select [Advanced Settings].




3. Select [Administrator Login].



- When the authentication screen appears, enter your password and log in.

The default password is the serial number of the printer. You can find the serial number by running the self-test or on the nameplate attached to the printer.

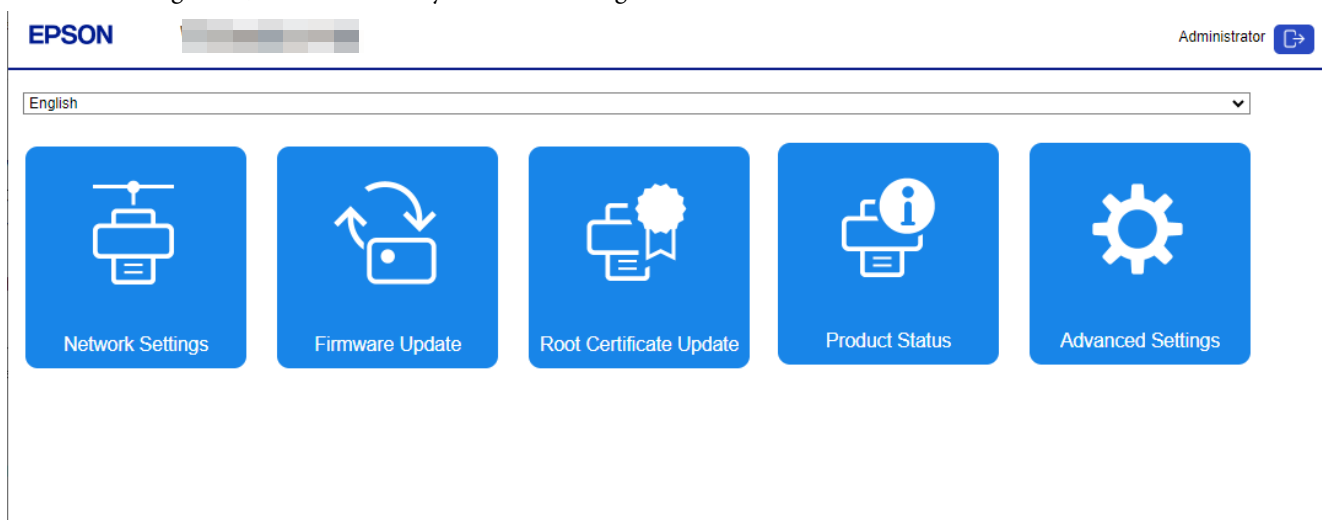
 NOTE	Enable JavaScript in your browser. Because a self-signed certificate owned by the printer is used when accessing HTTPS, a warning will appear in the browser when Web Config is started.
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[TM-S1000II-NW]

- Start your web browser on a computer or smart device on the network and enter the IP address of the printer in the address field.

Example for HTTPS	Example for HTTP
IPv4: https://192.0.2.111/	IPv4: http://192.0.2.111/
IPv6: https://[2001:db8::1000:1]/	IPv6: http://[2001:db8::1000:1]/

- After Web Config starts, select the menu you wish to configure.




- When the authentication screen appears, enter your password and log in.

If the product is in its factory default state, no user name has been set. Therefore, do not enter anything in the "User Name" field. The user name can be set in the "Change Administrator Password" screen.

The default password is the serial number of the scanner. The serial number can be found on the nameplate affixed to the scanner. Refer to the technical reference guide for each device for the location of the nameplate.

To improve security, it is recommended to change the administrator password from the default password. The password can be changed from [Advanced Settings] - [Product Security] - [Administrator Password] in Web Config. It can also be changed using the utility specialized for each model.

 NOTE	Enable JavaScript in your browser. Because a self-signed certificate owned by the printer is used when accessing HTTPS, a warning will appear in the browser when Web Config is started.
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Printers

This document covers Web Config for the following printers.

- TM-H6000VI
- TM-S1000II-NW
- TM-T20IV
- TM-T20IV-L
- TM-T20IV-SP
- TM-T20X-II
- TM-T82IV
- TM-T82IV-L
- TM-T82X-II
- TM-T83IV

For more information about the functions of each printer, see Chapter 11, "List of Functions by Model".

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1. Introduction

This guide is applied to the EPSON Web Config function (hereafter called “Web Config”).

1.1 Definitions

In this guide, words and phrases enclosed in double-quotation marks (“”) are strings that are shown in Web Config.

1.2 Terminologies

Table 1-1 Terminologies

Terms	Definitions
Button	HTML element that allows a user to execute an action by pressing it.
Text box	HTML element that shows some text or allows a user to edit text. There are two types of text boxes (read-only/read-write)
Check box	HTML element that allows a user to choose multiple items from several options.
Tab	HTML element that allows a user to choose one document from multiple documents.
Radio button	HTML element that allows a user to choose one item from provided options.
Drop-down list	HTML element that allows a user to choose one item from a Drop-down option list.
Frame	HTML element that is used to divide a page into multiple areas.
File button	HTML element that allows a user to open a window to select a file.
Red	Color defined as RGB (255, 80, 0) and used as 'CUD-Red' on Web Config.
UTF-8	One of the character codes that can be entered in a Web browser. A character code from 1 to 3 bytes is used to express one character. Although there is an exception in which 4-byte surrogate pairs are treated as one character, these single characters are counted as two characters in internal processing.
UTF-16	One of the character codes that can be entered in a Web browser. Characters that exceed the value of 0x010000 in UTF-16 are called surrogate pairs. They are single characters that are counted as two characters.

2. Supported Web Browsers

Web Config supports the following platforms and web browsers.

Table 2-1 Supported Web Browsers

Platforms	Web Browsers
Windows 11, Windows 10, Windows 8.1, Windows 8, Windows 7	Edge, Firefox, Chrome
Mac OS X (10.10.x, 10.11.x, 10.12.x, 10.13.x, 10.14.x)	Safari, Firefox, Chrome
iOS5.0 or later	Safari
Android (ver.2.3 or later)	Chrome, Default browser
Chromebook	Default browser

3. Layout

This section describes the page layout of Web Config.

3.1 Basic Settings Page

3.1.1 Configuration for Smartphone

If the width of the display device is 700px or less, it will be displayed in the configuration for smartphones.

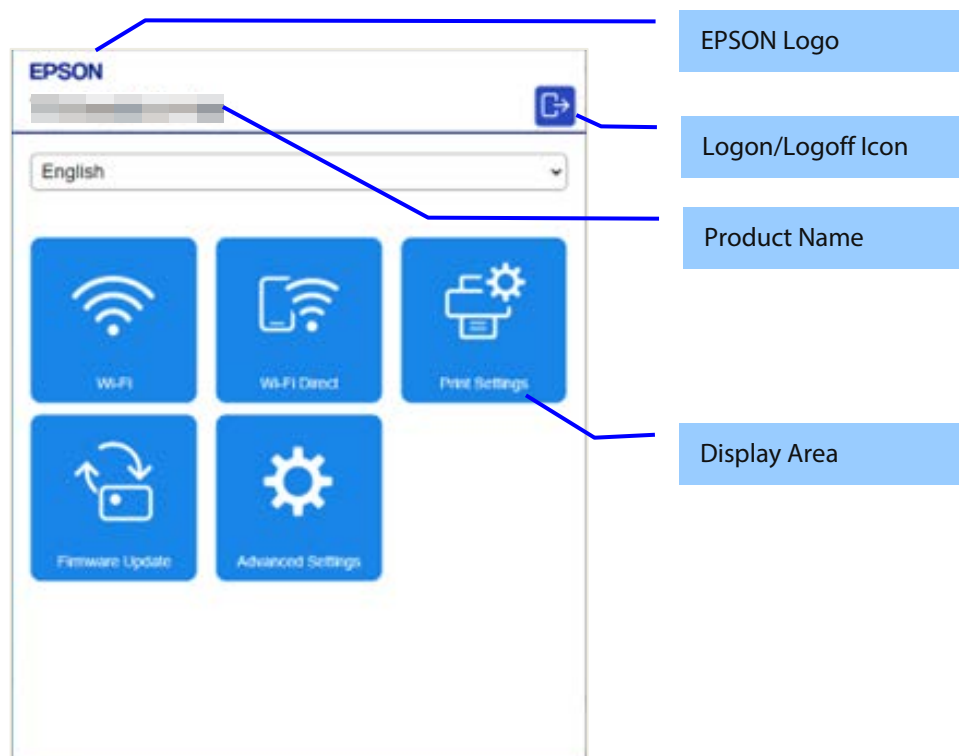


Figure 3-1 Top page example(for smartphone)

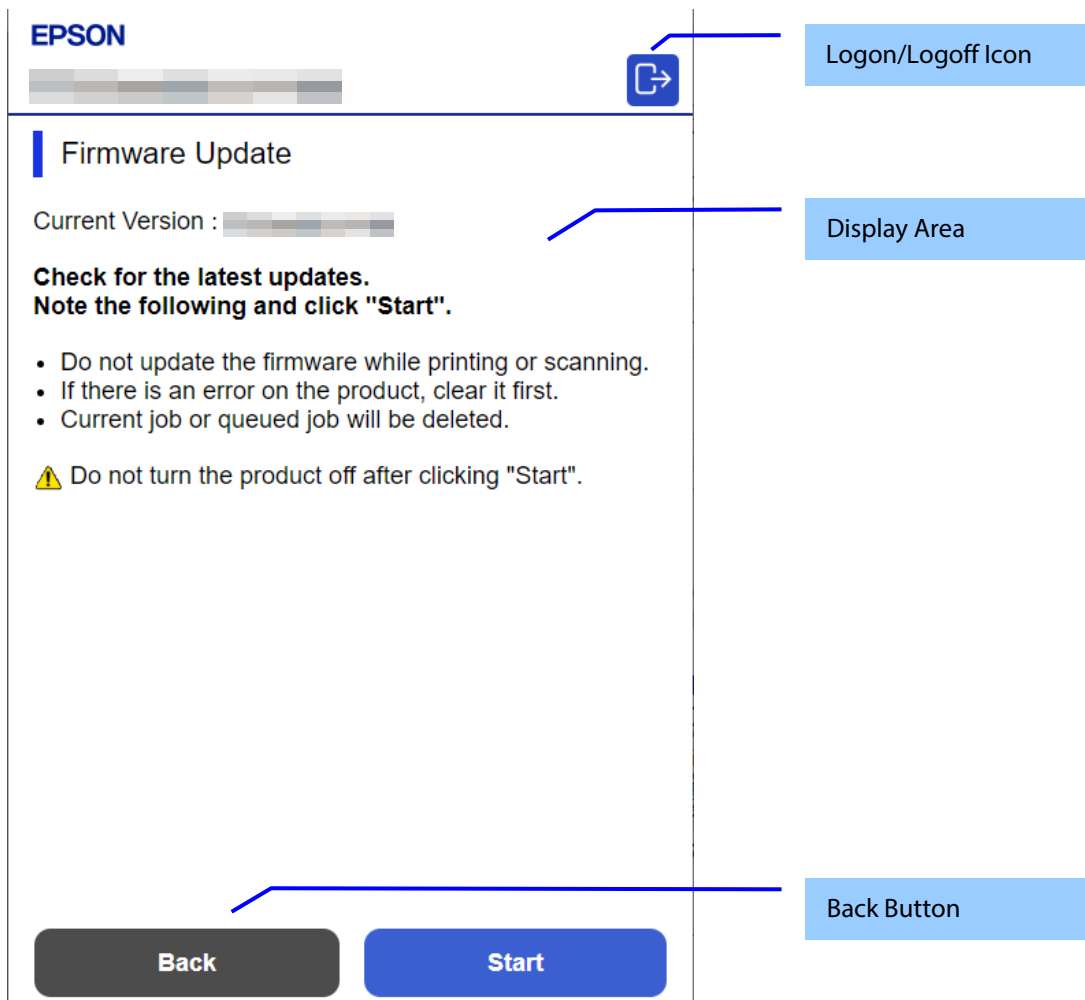


Figure 3-2 Function page example(for smartphone)

3.1.2 Configuration for PC

If the width of the display device is larger than 700px, it will be displayed in the configuration for PC.

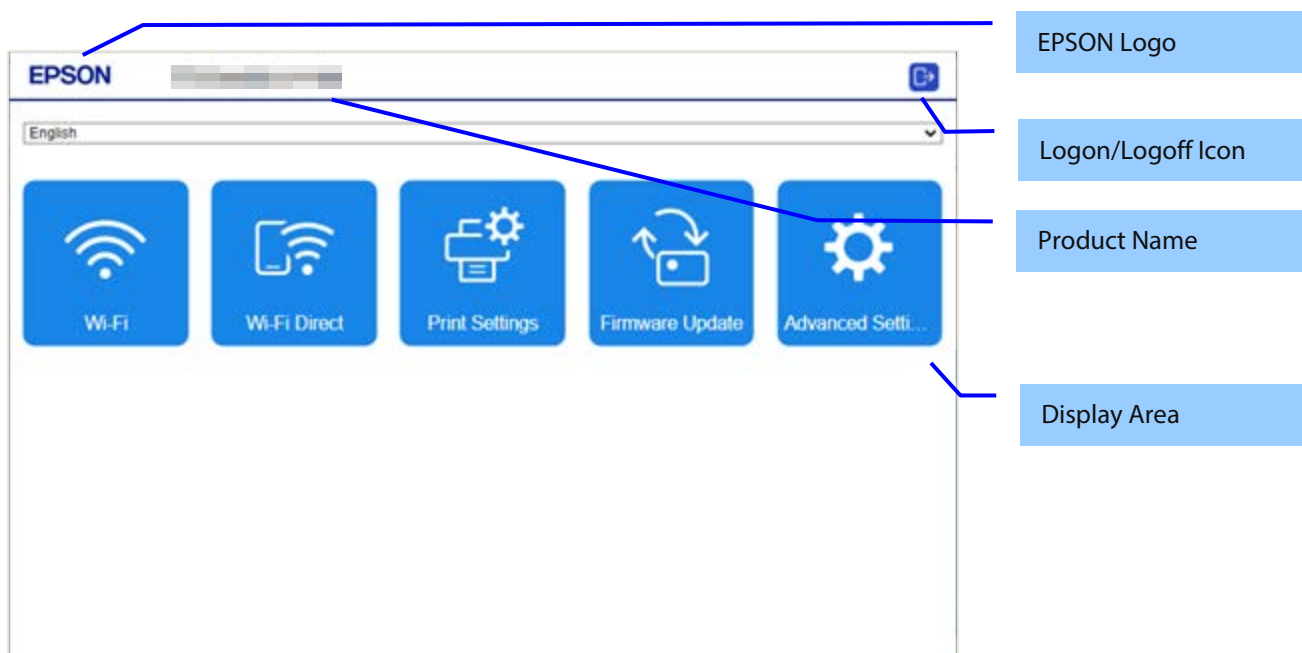


Figure 3-3 Top page example(for PC)

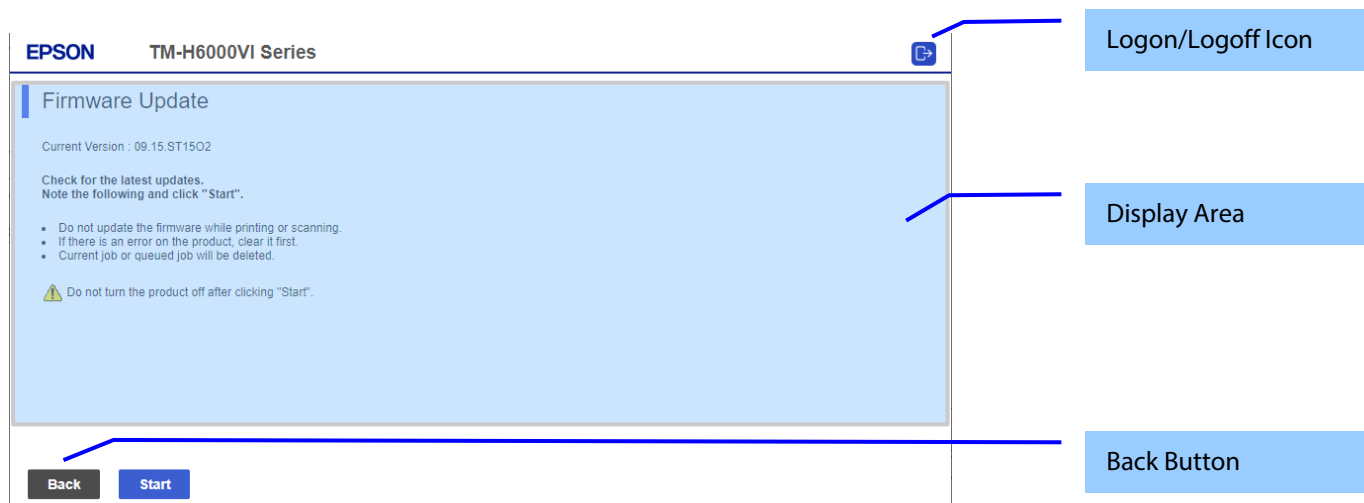


Figure 3-4 Function page example(for PC)

Table 3-1 Layout (Basic Settings)

Parts	Description
EPSON Logo	Displays an image of the EPSON Logo. Click the EPSON Logo to access the top page of Web Config. The top page cannot be accessed from the Firmware Update page (except for top page) even if pressed.
Product Name	Displays the product name.
Back Button	Appears when function page is displayed. Press the button to return to the top page.
Logon/Logoff Icon	[TM-S1000II-NW] This link is for log on/off for user. When user logs on, the page which is input authentication information. A name of "Administrator" and a logoff icon is displayed when the administrator logs on. Click the logoff icon to access the WebConfig top page after the administrator logs off. [Models other than the TM-S1000II-NW] A logoff icon is displayed when the administrator logs on. Click the logoff icon to access the Web Config top page after the administrator logs off.
Display Area	Displays device status and setting items. The entire page is scrolled if there is a large amount of information.

3.2 Advanced Settings Page

3.2.1 Configuration for smartphones

If the width of the display device is 700 px or less, it will be displayed in the configuration for a smartphone.
Only the TM-S1000II-NW supports a configuration for smartphones.

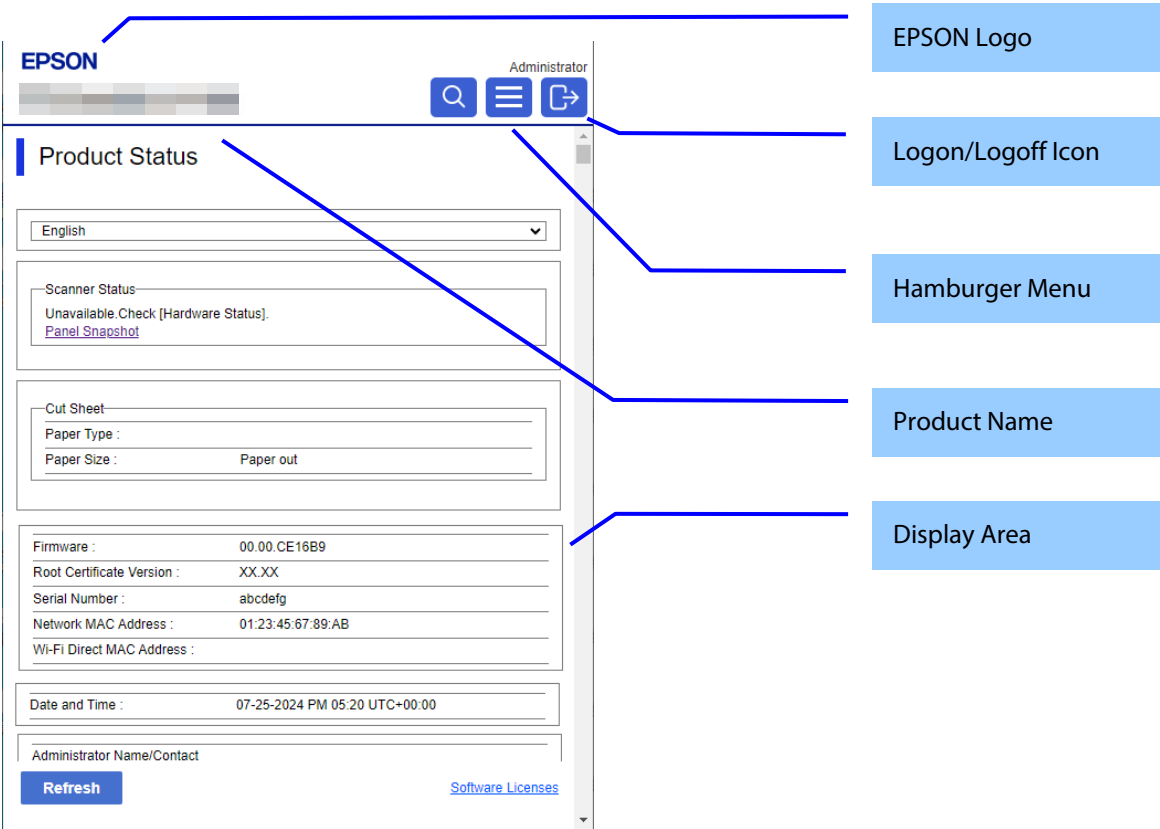


Figure 3-5 Advanced Top page example(for Smartphone)

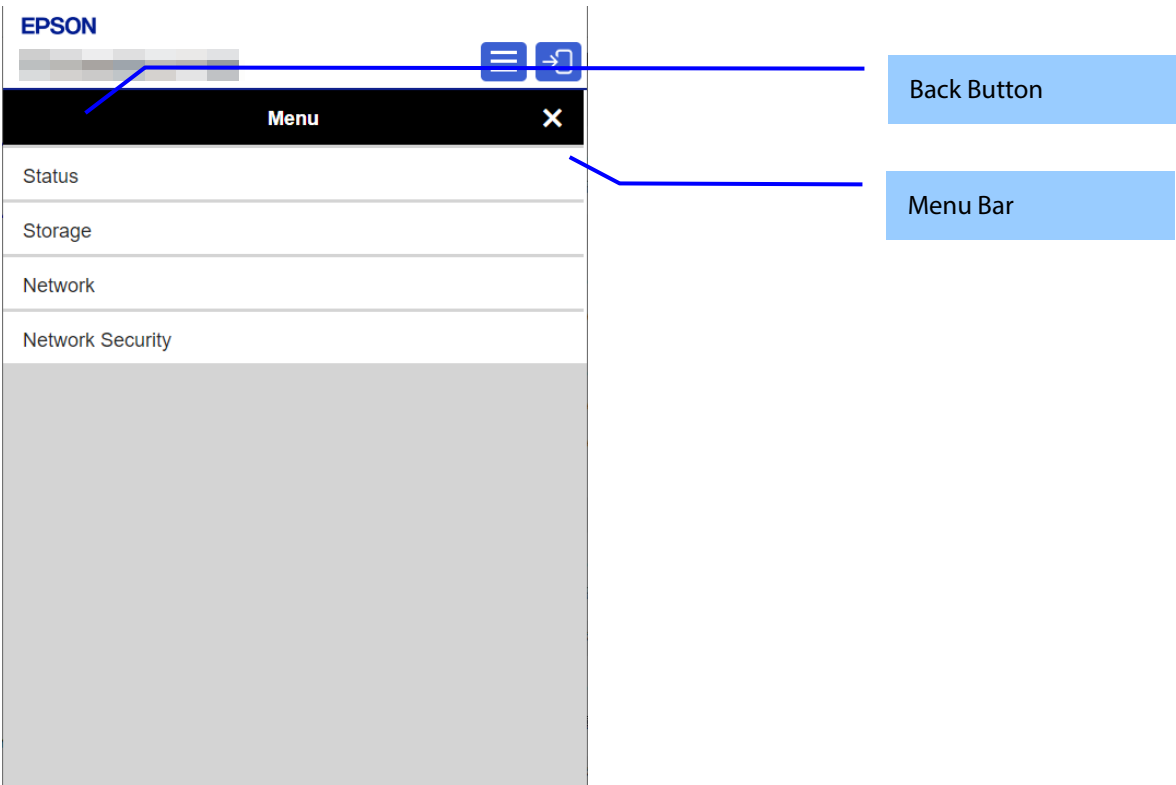


Figure 3-6 Menu Bar page example(for Smartphone)

3.2.2 Configuration for PC

If the width of the display device is larger than 700 px, it will be displayed in the configuration for a PC.

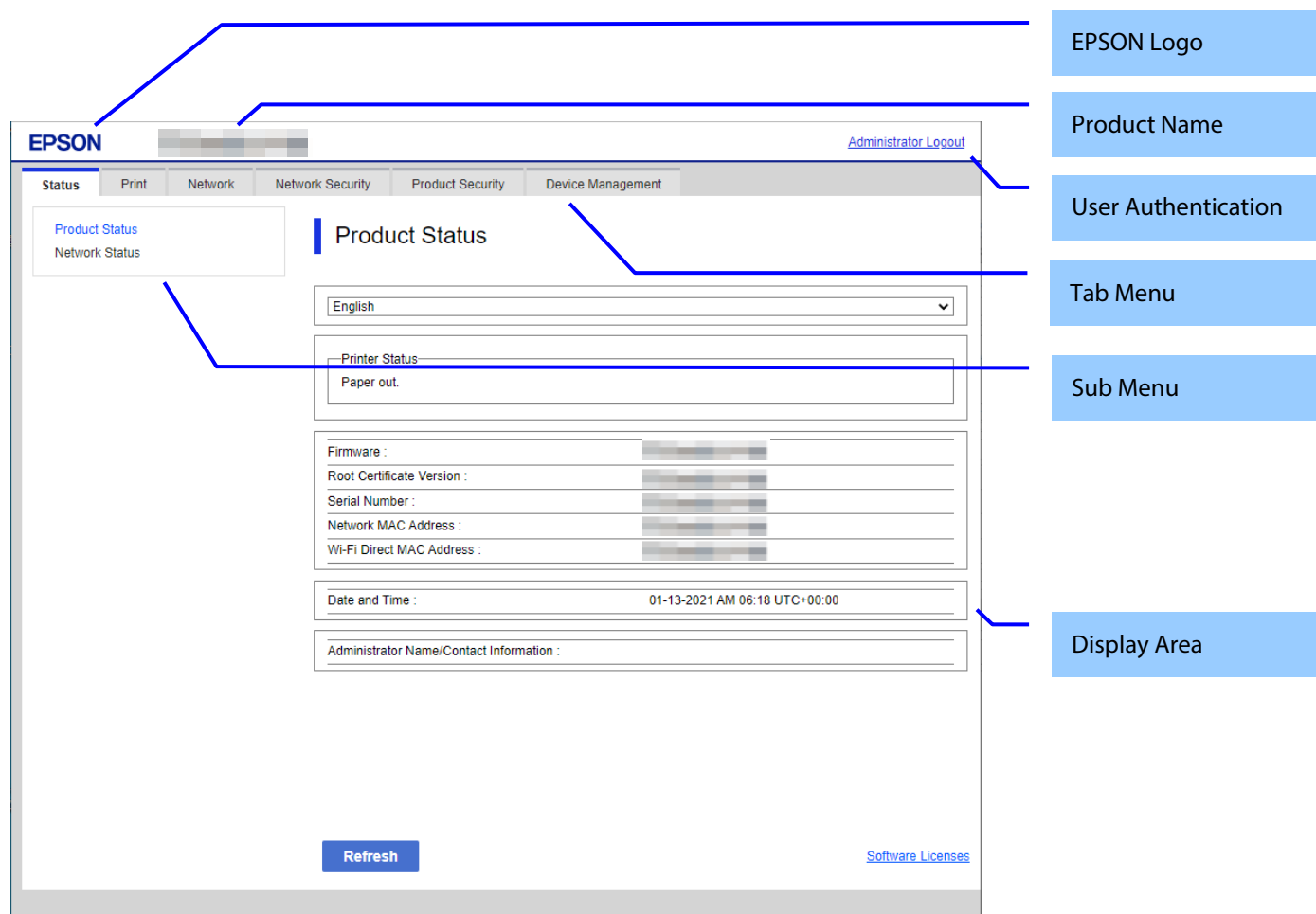


Figure 3-7 Advanced Top page example(for PC)

Table 3-2 Layout (Advanced Settings)

Parts	Description
EPSON Logo	Displays an image of the EPSON Logo.
Product Name	Displays the product name.
User Authentication	This link allows the user to log on/off. When the user logs on, a page for entering authentication information is displayed. There are two links: "Logon" and "Logoff". When a user is logged on, that user's name is displayed to the left side of the link. ("Administrator" is displayed when an administrator is logged on.)
Logon/Logoff Icon	This link is for user logon/logoff. When user logs on, a page for entering authentication information is displayed. "Administrator" and logoff icon are displayed when the administrator logs on. Click the logoff icon to access the Web Config top page after the administrator logs off.
Tab Menu	Displays the main menu on tabs. The selected tab menu is highlighted.
Sub Menu	Displays the sub-menus for the selected tab menu. The selected sub-menu is highlighted.
Hamburger Menu	[TM-S1000II-NW] For smartphone configuration, hide tab menu/submenu and show hamburger menu instead. When the button is pressed, the menu bar is displayed.
Menu Bar	[TM-S1000II-NW] Displayed when the hamburger menu is pressed in the smartphone configuration. First, the main menu is displayed, and when selected and pressed, a submenu corresponding to each menu is displayed.
Back Button	[TM-S1000II-NW] This button appears in the title when the menu bar is displayed in the smartphone configuration. When the button is pressed, the display returns to the previous layer. When pressed at the top layer, the content of the previous display area is displayed.
Display Area	Displays the device status and setting items. Scroll down if there is too much information to fit in the window. Only the display area will scroll.

For more information about the Tab Menus and Sub-Menus shown on Web Config, refer to the Function Table.

3.3 Changing the Top Page (Basic Settings/Advanced Settings)

To switch from Basic Settings to Advanced Settings, select "Advanced Setting" on the top page to transition to the page for moving to advanced settings. Select whether to log on as an administrator in the transfer page. If administrator logon is selected, transition to the top page of Advanced Settings via the logon screen. If administrator logon is not selected, it will transition directly to the top page of Advanced Settings.

To switch from Advanced Settings to Basic Settings, press the EPSON logo at the top of the menu to transition to the top page of Basic Settings.

4. Language

Web Config supports Japanese / Basic English / French / German / Italian / Spanish / Portuguese. Spec of selected language when Web Config is opened is shown below.

Table 4-1 Spec of Language

Language	Condition
English	Before language setup on the Web Config
Language which is setup on the Web Config	After language setup on the Web Config

5. Top Page

5.1 URL

Web Config can be opened from the following URLs.

Table 5-1 URL access to Web Config

URL	Description
http(s)://(IP address or Device name*)/PRESENTATION/BASIC/HOME/TOP	Correct URL
http(s)://(IP address or Device name*)	Redirect to correct URL

*The device name must be registered with a DNS.

If the function for redirecting to HTTPS is enabled, HTTP access is redirected to HTTPS access. Since the device uses the self-signed certificate that is stored in the device for HTTPS access by default, a warning message will be shown in the web browser. The user can change the self-signed certificate to any server certificate in the SSL/TLS settings on Web Config.

5.2 JavaScript

If JavaScript is disabled in the web browser settings, the top page can still be viewed. However, since the transition to each setting page is limited, a warning icon and the error message "Please enable JavaScript settings in your browser" will be displayed.

6. Password Authentication

Web Config contains content that can be viewed and set by administrator permission. To access such settings, password authentication is required. The following table defines the login status of the administrator.

Table 6-1 Definition of administrator login/out conditions

Logged-in condition by Administrator	Password has been authenticated.
Logged-out condition by Administrator	Password has not been authenticated.

The password for the printer panel and EpsonNet Config is shared. If the password is changed, Web Config requires authentication using the new one when accessed after the change. If the password is changed while logged in, the change goes into effect during the next login.

6.1 Pages Always Can Be Accessed

The following pages are accessible all the time regardless of the administrator's logon status.

Table 6-2 Pages Always can be Accessed

Pages always to be accessed		Description
Basic Settings	Main Page	All pages are viewable.
	Function Page	The top page of each function is viewable.
Advanced Settings	Status Tab	Product Status (contains Software Licenses) Network Status
	Network Security Tab	SSL/TLS certificate

6.2 Timing of Administrator Authentication

To move to the administrator logon status, the user is required to go to the Administrator logon page from the top menu of the Basic Settings or the Advanced Settings and perform password authentication. After authentication, Web Config is in logon status and inputting passwords is no longer required to access pages requiring a password. In administrator logoff status, Web Config moves to the administrator logon page and requires the user to input a password when accessing pages to which transition is allowed in administrator logon status.

6.3 Session Management

Administrator logon/logoff is managed by session showing the connection status with the accessed browser. The administrator logon status indicates the period in which a connection is maintained. When the user logs out, the session is disconnected.

A session is established between the printer and a browser browsing Web Config after the printer proves that the administrator password input on the administrator logon page is valid. The session is maintained for 30 minutes after the last access from the browser. However, when the browser is quit, the session is closed. When multiple sessions are established, the session authenticated last is always valid. Therefore, if Web Config is accessed and logged on by another browser, the browser gets the administrator privilege. At this time, if you try to page transition using a browser that previously had been logged on, administrator logon page is displayed.

6.4 Log on Page

6.4.1 Image

The following figure shows the layout of the logon page.

[Models other than the TM-S1000II-NW]

EPSON Administrator Login

Status Network Security

Product Status
Network Status

Administrator Login

Current password : *****

Note: It is recommended to communicate via HTTPS for entering an administrator password.
The initial password is the product's serial number. Please check the serial number. For more details, please refer to the user manual.

OK

Input Items

Button

[TM-S1000II-NW]

EPSON Log in

Status Storage Network Network Security

Product Status
Network Status
Hardware Status

Log in

Type : Administrator

User Name :

Current password : *****

The initial password is the product's serial number. Please check the serial number. For more details, please refer to the user manual.

OK

Input Items

Button

Figure 6-1 Log on Page

6.4.2 Input Items

Table 6-3 Input Items

Items	Description	Conditions
"User name"	Text box for entering the current user name. If the Enter key is pressed while the cursor is in this text box, the same process will be performed as when the OK button is pressed.	-
"Current password"	Text box for entering the current password. The entered value is masked with '*'. If the Enter key is pressed while the cursor is in this text box, the same process as when the OK button is pressed is performed.	-
"Note: It is recommended to communicate via HTTPS for entering an administrator password."	Fixed strings	-
"The initial password is provided on the label attached to the product. For more details, please refer to the user manual."	Comment	For models supporting the UK PSTI Bill corresponding model.
"The initial password is the product's serial number. Please check the serial number. For more details, please refer to the user manual."	Comment	For models not supporting the UK PSTI Bill corresponding model.

6.4.3 Button

Table 6-4 Button

Items	Description
"OK"	Button for logging on. After the user logs on, the Product Status page on the Status tab is displayed.

The Administrator logon page is displayed in the following cases.

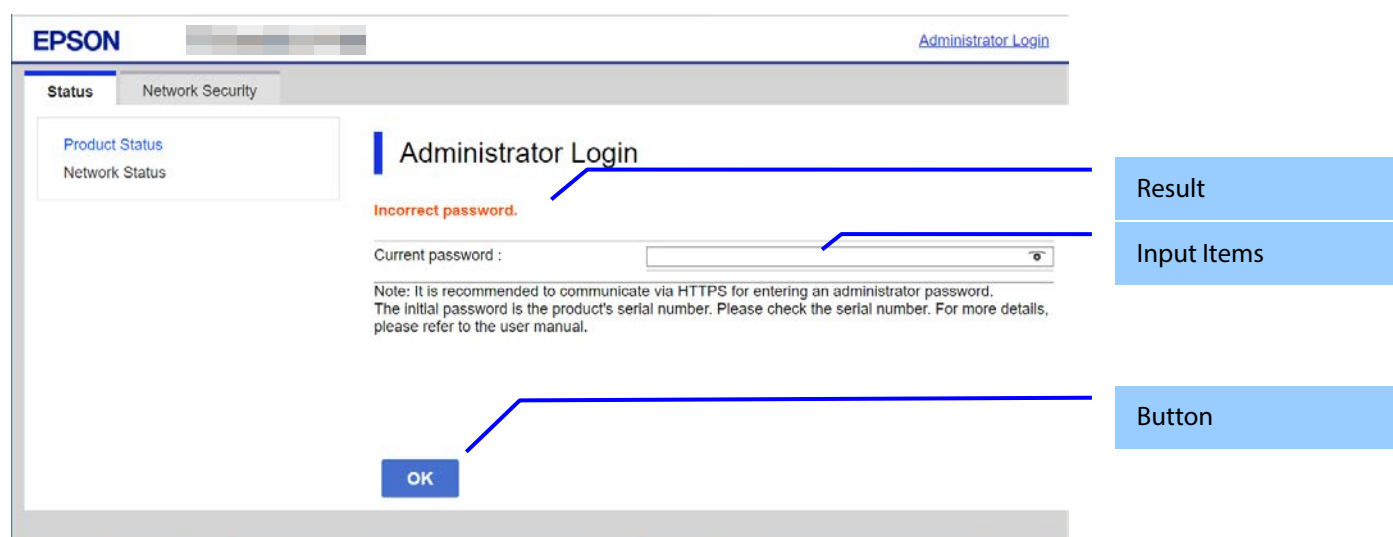
- User authentication link clicked
- Direct access to a page that requires logging on
- Web Config accessed 20 min. or longer since the previous time
- Accessing Web Config while currently logged on as an administrator in another web browser

6.5 Log on Failure Page

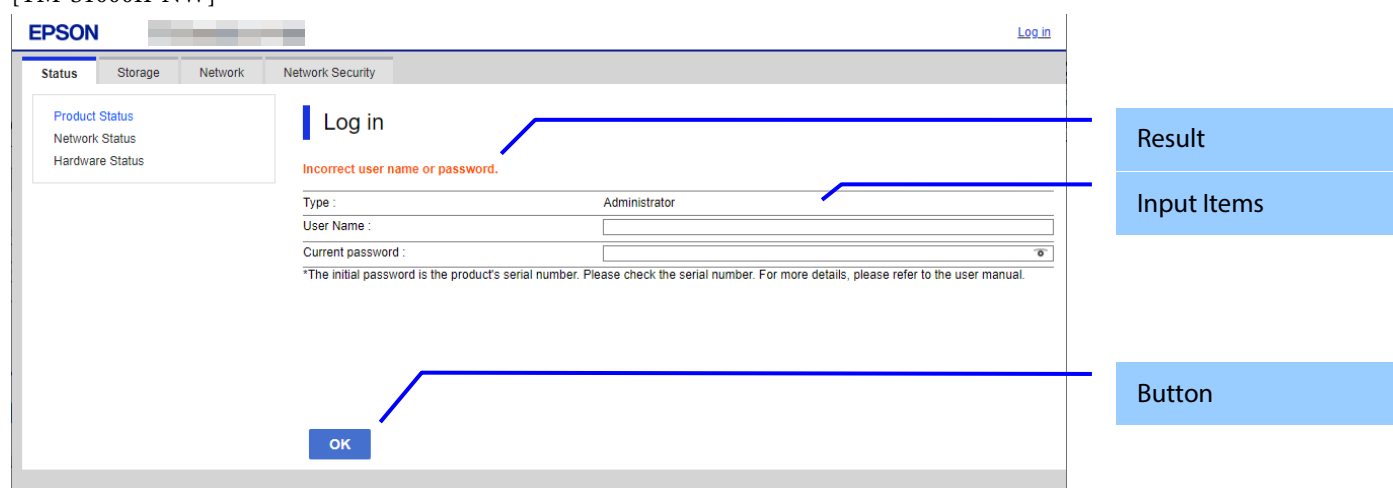
If logon fails, the logon page is displayed with the authentication results.
At this time, the password field is left blank.

6.5.1 Image

[Models other than the TM-S1000II-NW]



[TM-S1000II-NW]



6.5.2 Result

Table 6-5 Setting Result

Items	Description
"Incorrect username or password. "	For TM-S1000II-NW. This message is shown when the entered username or password is incorrect. This item is displayed in red letters. This item is displayed on the device which supports username and when failed administrator logon.
"Incorrect password. "	This message is shown when the entered password is incorrect. This item is displayed in red letters. This item is displayed when administrator logon fails on devices that do not support user names.
"Authentication failed. " "Try again later. "	This message is displayed when registered user logon fails. This item is displayed in red letters.

7. Common Specifications

7.1 Password Entry Field

The common specifications for password entry fields are shown below.

- Entered characters are masked. To use textbox, specify the “password” attribute for “type”.
- When a password is set, 10 asterisks (*) are used for the “value” attribute for the textbox.
- If no password is entered, nothing is entered for the “value” attribute for the textbox. However, in some cases 10 asterisks (*) are displayed even if no password is entered. These conditions are detailed in the description for each item.
- If 10 asterisks are entered for the password, the password is not changed.
- User can change display/hide select to display or hide the input password to by clicking the eye icon which is located on the right of textbox.

8. Basic Settings Page

8.1 Main Page

8.1.1 Top Page

8.1.1.1 Image

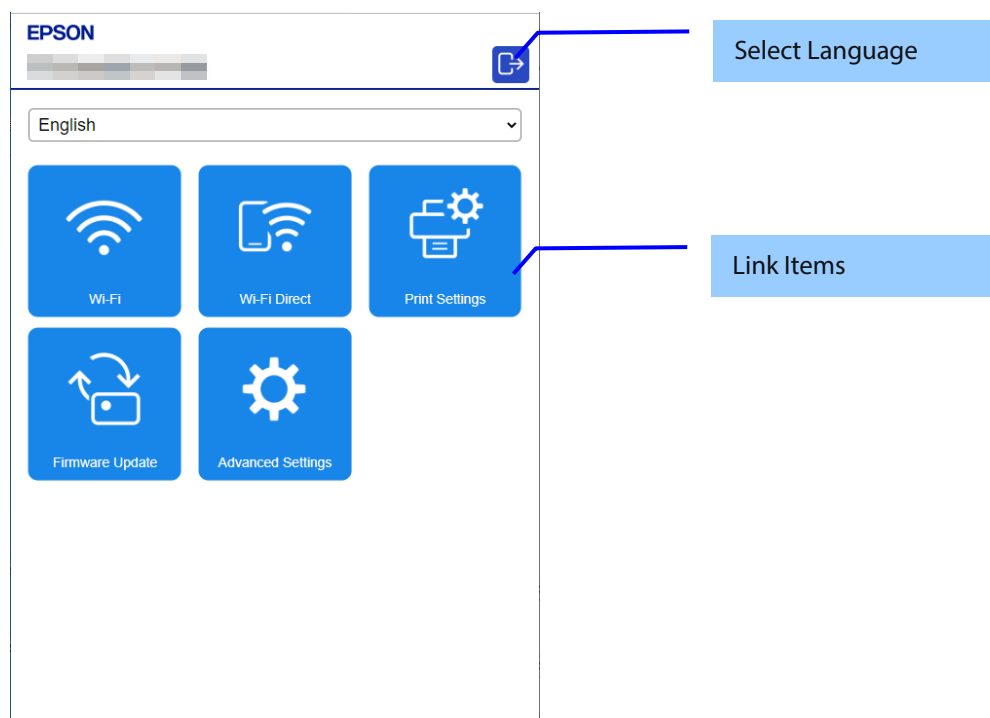


Figure 8-1 Configuration for Smartphone

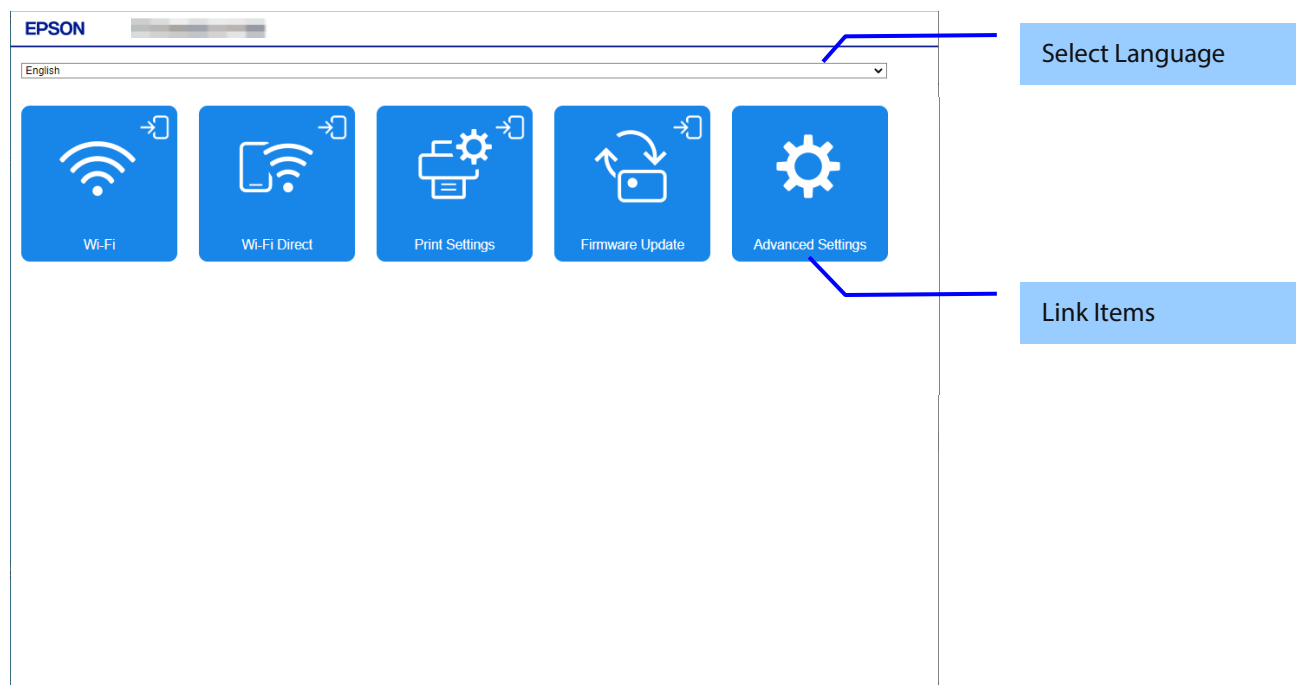


Figure 8-2 Configuration for PC

8.1.1.2 Display Language Setting

Items are displayed when multiple display languages are supported.

The language specification is in accordance with section 4, Language. After choosing a language, it is reflected enabled immediately and the page is changed based on the selected language.

[Models other than the TM-S1000II-NW]

For link items that require the user to be logged on, a logon icon is displayed to the top right of the button if the user is not already logged on.

8.1.1.3 Link Items

Link items are displayed in the form of square buttons. The layout for smartphones is 3 x N, the layout for PCs is 5 x N.

If the length of the item name exceeds the width of the square button, the ellipsis "..." is displayed.

[Models other than the TM-S1000II-NW]

For link items that require the user to be logged on, a logon icon is displayed to the top right of the button if the user is not already logged on.

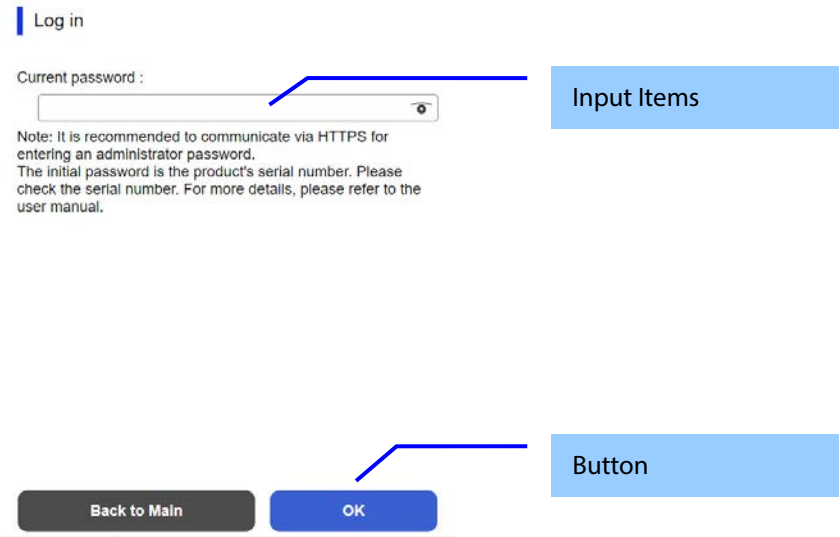
Items	Description	Condition
"Wi-Fi"	Access the top page of Wi-Fi Settings	-
"Wi-Fi Direct"	Access the top page of Wi-Fi Direct Settings	Only with Wi-Fi Direct support device.
"Printer Settings"	Access the top page of Printer Settings	Models that support printing
"Network Basic Setup"	Access the top page of Network Basic Setup	Only TM-S1000II-NW.
"Firmware Update"	Access the top page of the Firmware Update	Only with Firmware Update support device.
"Root Certificate Update"	Access the top page of Root Certificate Update	Only TM-S1000II-NW.
"Product Status"	Access the top page of Product Status	Only TM-S1000II-NW.
"Advanced Settings"	Access the top page of Advanced Settings	

8.2 Log on Page

8.2.1 Image

The following figure shows the layout of a log on page.
There are two display patterns for the logon page: "full screen display" and "popup display".
If you press the "Advanced Settings" button from the top page and move there, a description and link will be added.

[Models other than the TM-S1000II-NW]



[TM-S1000II-NW]

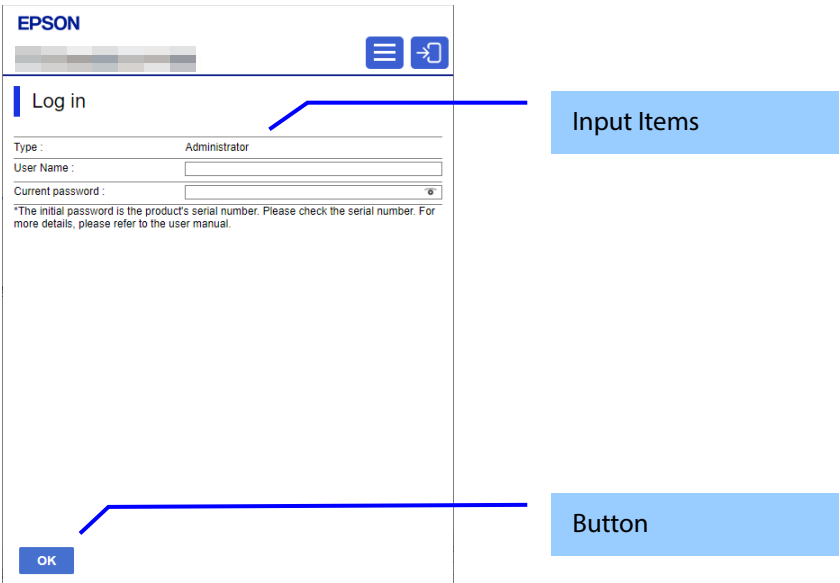


Figure 8-3 Log on Page

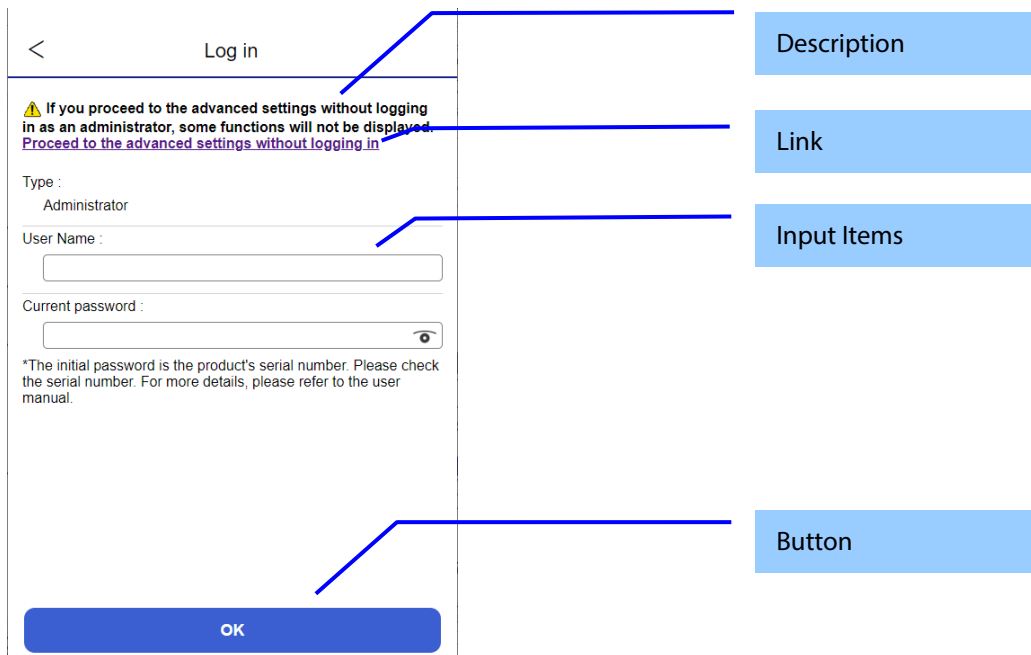


Figure 8-4 Log on page (with description and link)

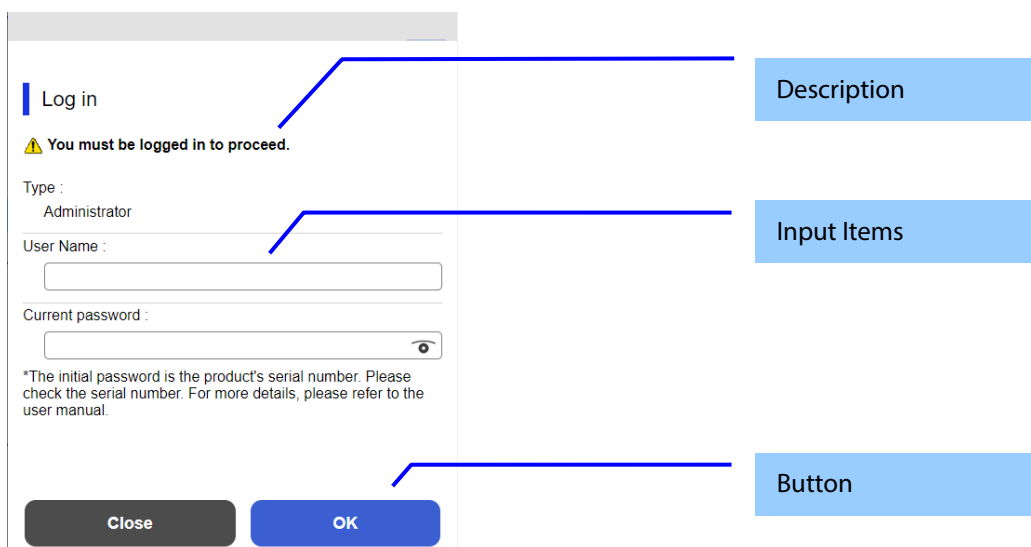


Figure 8-5 Log on page (Popup)

8.2.2 Description

Table 8-1 Description

Items	Description	Condition
"If you proceed to the advanced settings without logging in as an administrator, some functions will not be displayed."	Fixed Strings	[TM-S1000II-NW] When you press the "Advanced Settings" button from the top page [Models other than the TM-S1000II-NW] Not displayed
"You must be logged in to proceed."	Fixed Strings	[TM-S1000II-NW] When pop-up is displayed [Models other than the TM-S1000II-NW] Not displayed



8.2.3 Link

Table 8-2 Link

Items	Description	Condition
"Proceed to the advanced settings without logging in"	Display in hyperlink format. When you press the link without logging on, top page of the Advanced Settings is displayed.	[TM-S1000II-NW] When you press the "Advanced Settings" button from the top page [Models other than the TM-S1000II-NW] Not displayed

8.2.4 Input Items

Table 8-3 Input Items

Items	Description	Conditions
"Current password"	A text box to the input current password. The input value is masked with '*'. Pressing the Enter key with the cursor in this text box performs the same processing as when pressing the OK button. When  is pressed, the input value is displayed. When  is pressed, the input value is masked with '*'.	-
"* The initial password is provided on the label attached to the product. For more details, please refer to the user manual. "	Comment	UK security model
"* The initial password is the product's serial number. Please check the serial number. For more details, please refer to the user manual. "	Comment	Not UK security model

8.2.5 Button

Table 8-4 Button

Items	Description	Conditions
"OK"	Button for logging on. After logging on, the top page of each function is displayed.	-
"Close"	Close pop-up screen.	When pop-up is displayed
"Back to Main"	Displays the main page.	Models other than the TM-S1000II-NW

Administrator logon page is shown in the following cases.

- When the user authentication link is clicked.
- Direct access to the page which requires logging on.
- Web Config access after 20 min. from last access.
- During administrator logon, Web Config access after administrator logon from other web browser.

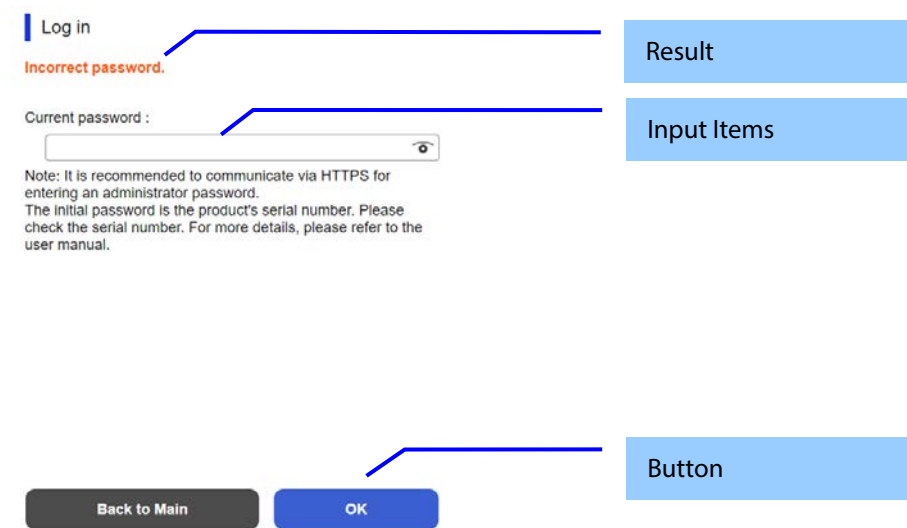
8.3 Log on Failure Page

If log on fails, the log on page of the authentication results is displayed.

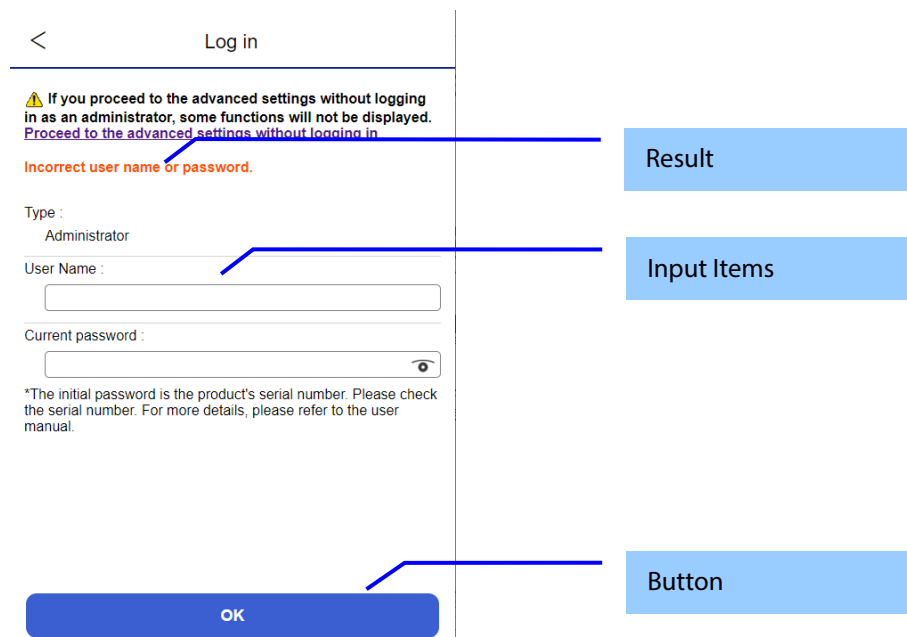
At this time, the user name is displayed with the previous input value remaining, and the password field is left blank.

8.3.1 Image

[Models other than the TM-S1000II-NW]



[TM-S1000II-NW]



8.3.2 Result

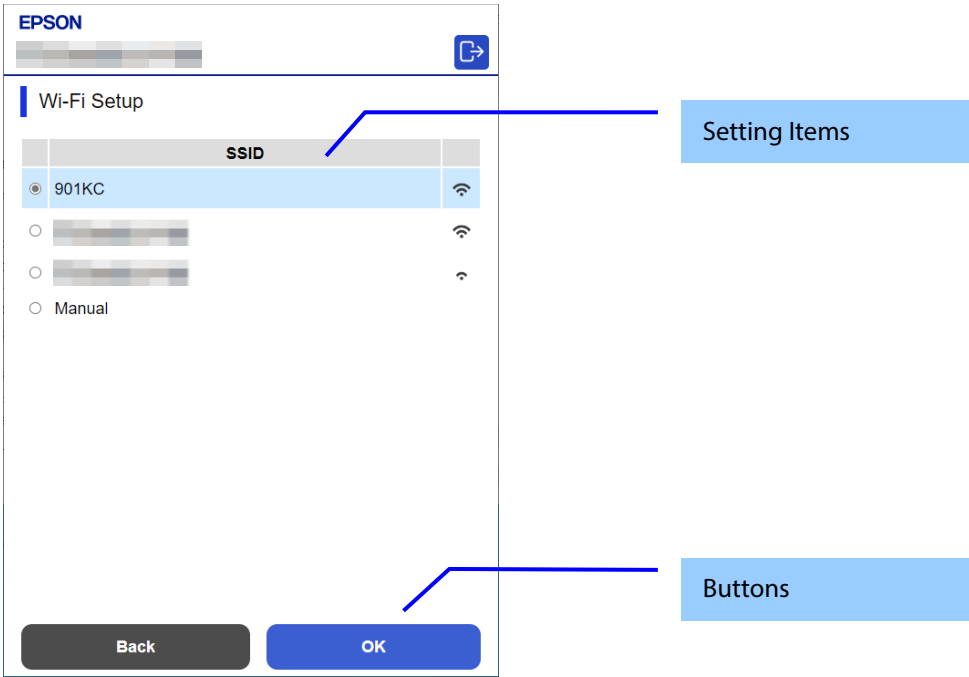
Table 8-5 Setting Result

Items	Description
"Incorrect password."	This message is shown when the entered password is incorrect. This item is displayed in red. This item is displayed on a device which does not support username and when administrator log on fails.
"Authentication failed." "Try again later. "	This message is shown when registered user log on fails. This item is displayed in red.

8.4 Wi-Fi

8.4.1 Top Page

8.4.1.1 Image



8.4.1.2 Setting Items

Table 8-6 Setting Items

Items	Description	Condition
"SSID"	Selects the SSID found in the SSID search and the manual option using the radio buttons.	-

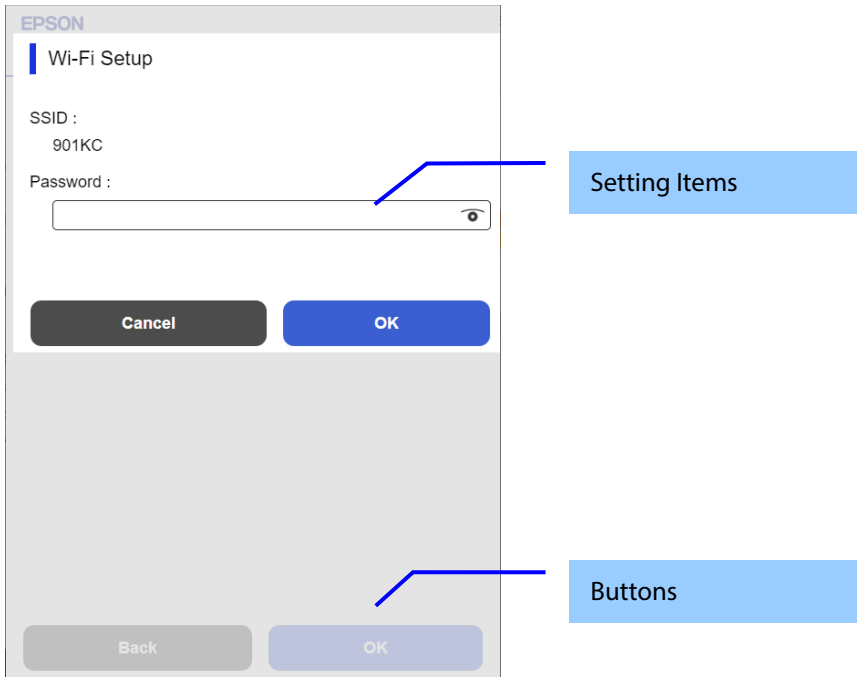
8.4.1.3 Button

Table 8-7 Button

Items	Description	Condition
"OK"	Moves to the configuration page for SSID connection.	-
"Back"	Button to move to the main page.	-

8.4.2 SSID Setting Page

8.4.2.1 Image



8.4.2.2 Setting Items

Table 8-8 Setting Items

Items	Description	Condition
"SSID"	If selected from a list, the selected SSID is displayed as a fixed string. If manual, use the text box to configure the settings.	-
"Password"	A text box is provided. The string must have 0, 5, or 8 to 63 characters. (ASCII codes: 0x20 - 0x7E) The input values are masked by '*'. ¹	If the SSID selected from the search list has no password set, it is hidden.

8.4.2.3 Button

Table 8-9 Button

Items	Description	Condition
"OK"	Moves to the configuration page for SSID connection.	-
"Cancel"	Cancel the pop-up.	-

8.4.3 Result Page

8.4.3.1 Image

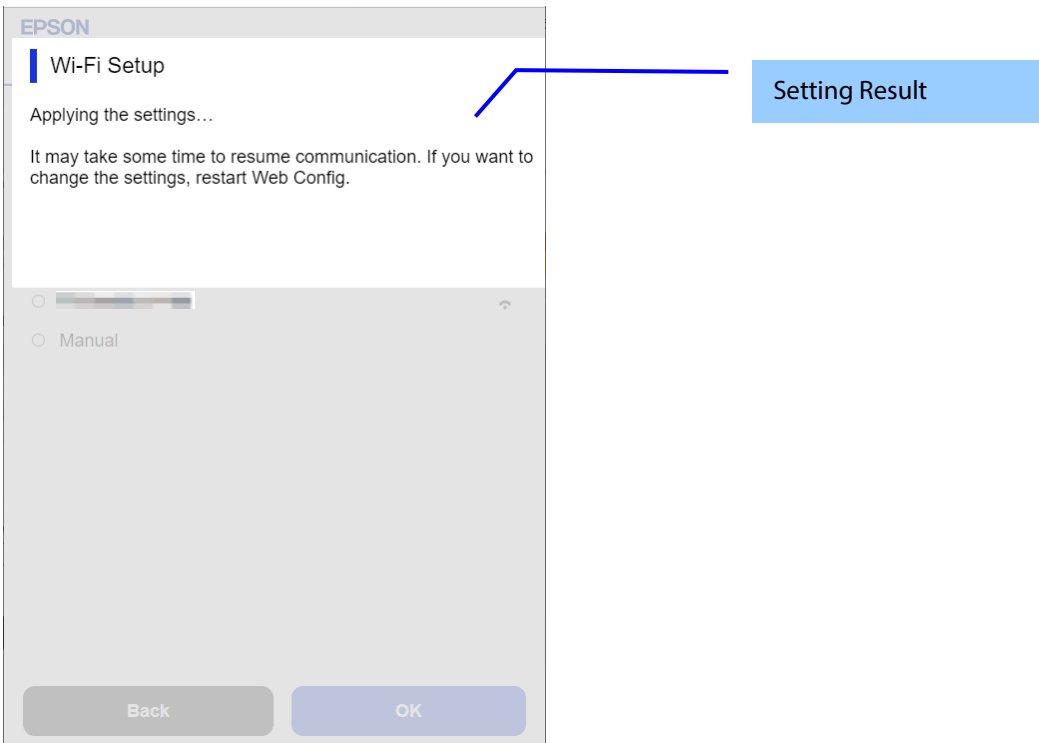


Figure 8-6 Result Page

8.4.3.2 Setting Result

Table 8-10 Setting Result

Items	Description
"Communication is restarting. Restarting communication may take a few minutes. If you want to change the settings, reconnect to the Web Config."	This text is shown if setup is successful.
"Setup failed."	This text is shown if setup fails.

8.4.3.3 Button

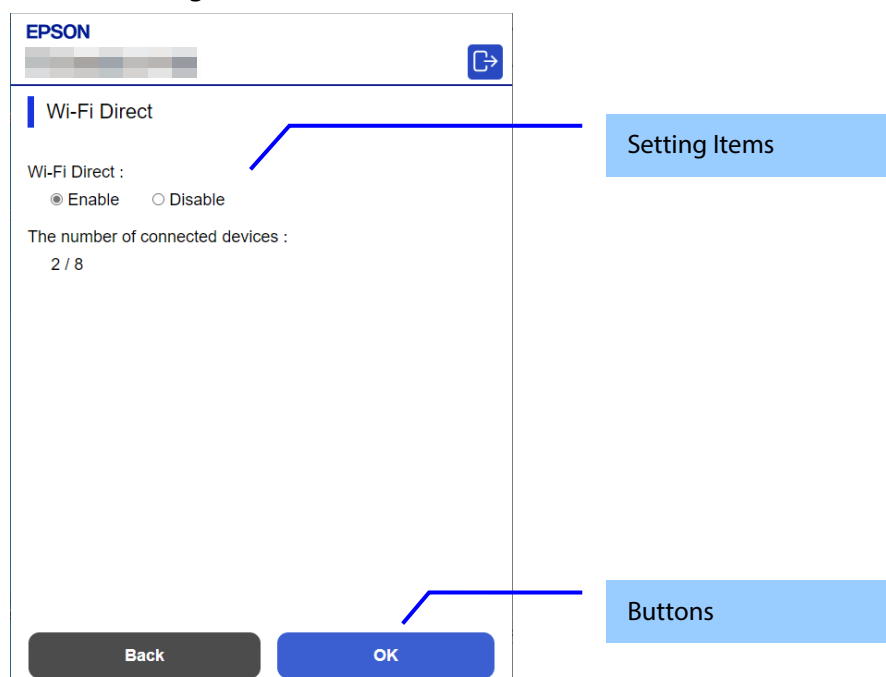
Table 8-11 Button

Items	Description	Condition
"Back to Main"	Button to change to the main page.	This button is displayed when setup fails.

8.5 Wi-Fi Direct

8.5.1 Top Page

8.5.1.1 Image



8.5.1.2 Setting Items

Table 8-12 Setting Items

Items	Description	Condition
"Wi-Fi Direct"	Two radio buttons are provided to choose either of the following: "Enable" / "Disable"	-
"The number of connected devices"	Displays the number of connected devices with Wi-Fi Direct. The number of connected devices/Max devices	This item is displayed when "Wi-Fi Direct" is "Enable".
"SSID"	Same content as SSID in "Advanced Settings > Wi-Fi Direct" is displayed under same conditions.	This item is displayed when "Wi-Fi Direct" is "Enable". [TM-S1000II-NW] : Not displayed.
"Password"	Same content as Password in "Advanced Settings > Wi-Fi Direct" is displayed under same conditions.	This item is displayed when "Wi-Fi Direct" is "Enable". [TM-S1000II-NW] : Not displayed.
"You can connect to a wireless LAN access point by scanning the two-dimensional code."	Displays a fixed string and a QR code below it.	This item is displayed when "Wi-Fi Direct" is "Enable". [TM-S1000II-NW] : Not displayed.

8.5.1.3 Buttons

Table 8-13 Buttons

Items	Description
"Back"	Button to move to the main page.
"OK"	This button is to change the settings. When this button is pushed, Web Config is transferred to the setting results page.

When the "OK" button is pressed, if "Wi-Fi Direct" and "Wireless LAN Access Point" are both enabled, the following pop-up window will be displayed.

Table 8-14 Popup

Items	Description
"The following settings will be disabled. - Tethering > Wi-Fi > Wireless LAN Access Point"	The setting item that indicates the setting item is invalid and the setting item is changed when the setting item is invalid.

8.5.2 Result Page

8.5.2.1 Image

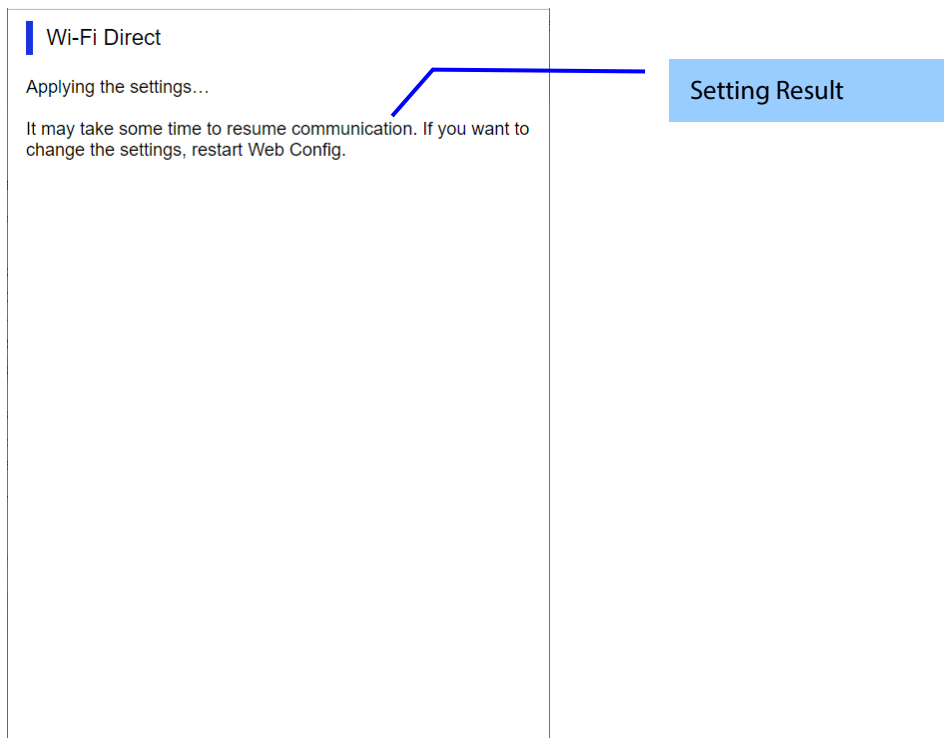


Figure 8-7 Result Page

8.5.2.2 Setting Result

Table 8-15 Setting Result

Items	Description	Condition
"Setup complete. It may take some time to resume communication. If you want to change the settings, restart Web Config."	Displays a fixed string.	This text is shown if setup is successful.
"Setup failed."	Displays a fixed string.	This text is shown if setup fails.
"SSID"	Same content as "SSID in Advanced Settings > Wi-Fi Direct" is displayed under same conditions.	This item is displayed when "Wi-Fi Direct" is "Enable". [TM-S1000II-NW] : Not displayed.
"Password"	Same content as Password in "Advanced Settings > Wi-Fi Direct" is displayed under same conditions.	This item is displayed when "Wi-Fi Direct" is "Enable". [TM-S1000II-NW] : Not displayed.
"You can connect to a wireless LAN access point by scanning the two-dimensional code."	Displays a fixed string and a QR code below it.	This item is displayed when "Wi-Fi Direct" is "Enable". [TM-S1000II-NW] : Not displayed.

8.5.2.3 Button

Table 8-16 Button

Items	Description	Condition
"Back to Main"	Button to change to the main page.	This button is displayed if setup fails.

8.6 Network Basic Setup

8.6.1 Top Page

8.6.1.1 Image

Figure 8-8 Top Page

8.6.1.2 Setting Items

The following table shows network setting items for Wi-Fi/Network Setup.

Table 8-17 Setting Items

Items	Description	Condition
"Device Name"	A text box is provided. The string must have 2 to 53 characters and contain "A"~"Z", "a"~"z", "0"~"9", and "-" ("space" is not allowed). The leading and final character must be "A"~"Z", "a"~"z", or "0"~"9" ("- is not allowed).	-
"Obtain IP Address"	Two radio buttons are provided to choose either of the following: "Auto" / "Manual"	-
"IP Address"	A text box is provided. Format: "xxx.xxx.xxx.xxx" "xxx" part must be "0" to "255". The following addresses cannot be set: "0.0.0.0" to "255.255.255.255" Loopback address ("127.0.0.0" to "127.255.255.255") Class D address ("224.0.0.0" to "239.255.255.255") Class E address ("240.0.0.0" to "255.255.255.255") Directed broadcast address ("255.255.255.255")	If "Obtain IP Address" is "Auto", this item is grayed out.
"Subnet Mask"	A text box is provided. Format: "xxx.xxx.xxx.xxx" "xxx" part must be "0" to "255". The following addresses cannot be set: Discontinuous mask bit ("255.254.128.0" etc.) 0.0.0.0 255.255.255.254 255.255.255.255	If "Obtain IP Address" is "Auto", this item is grayed out.

"Default Gateway"	A text box is provided. Format: "xxx.xxx.xxx.xxx" "xxx" must be "0" to "255". The following addresses cannot be set: "0.0.0.0" (Input is allowed if "not set", but will be blank when displayed.) "0.0.0.1" to "255.255.255.255" Loopback address ("127.0.0.0" to "127.255.255.255") Class D address ("224.0.0.0" to "239.255.255.255") Class E address ("240.0.0.0" to "255.255.255.255") Directed broadcast address ("255.255.255.255")	If "Obtain IP Address" is "Auto", this item is grayed out.
"DNS Server Setting"	Two radio buttons are provided to choose either of the following: "Auto" / "Manual" "Manual" is selected when "Obtain IP Address" is "Manual".	-
"Primary DNS Server"	A text box is provided. Format: "xxx.xxx.xxx.xxx" "xxx" part must be "0" to "255". ("0.0.0.0") is prohibited. It is an error if "Primary DNS Server" is blank and "Secondary DNS Server" has been entered. You can enter empty string.	If "DNS Server Setting" is "Auto", this item is greyed out.
"Secondary DNS Server"	A text box is provided. Format: "xxx.xxx.xxx.xxx" "xxx" part must be "0" to "255". ("0.0.0.0") is prohibited. You can enter empty string.	If "DNS Server Setting" is "Auto", this item is grayed out.
"Proxy Server Setting"	"Do Not Use" / "Use"	-
"Proxy Server"	Sets the proxy server address in the IPv4 address or FQDN format.	If "Proxy Server Setting" is "Do Not Use", this item is grayed out.
"Proxy Server Port Number"	A text box is provided. Values must be "0" to "65535".	If "Proxy Server Setting" is "Do Not Use", this item is grayed out.

8.6.1.3 Button

Table 8-18 Button

Items	Description
"OK"	If pressed while logged off, Web Config makes transition to the Logged on page. If pressed while logged on, Web Config shows the Error pop-up or the Confirm pop-up.

8.6.1.4 Error Popup

If Web Config recognizes an error in the input value after the OK button is pressed, the error pop-up below is shown.

If an input value error has multiple occurrences, a high priority is displayed.

If "OK" button on the error pop-up window is pressed, transits to top page.

Table 8-19 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the input value in the text box is invalid. The item names of the corrected values are shown under the message in the left cell. If there are two or more items whose values were corrected, those items are listed line by line.
"The combination of IP Address and Subnet Mask is incorrect." "All the bits in the host address part of the IP address cannot be set to 1."	If the bits of the host address portion of the IP address are all 1, this text is displayed.
"The combination of IP Address and Subnet Mask is incorrect." "All the bits in the host address part of the IP address cannot be set to 0."	If the bits of the host address portion of the IP address are all 0, this text is displayed.
"The combination of Default Gateway and Subnet Mask is incorrect." "All the bits in the host address part of the Default Gateway cannot be set to 1."	If the bits of the host address portion of the Default Gateway are all 1, this text is displayed.

"The combination of Default Gateway and Subnet Mask is incorrect." "All the bits in the host address part of the Default Gateway cannot be set to 0."	If the bits of the host address portion of the Default Gateway are all 0, this text is displayed.
"The combination of IP Address, Subnet Mask and Default Gateway is incorrect." "IP Address and Default Gateway must be on the same network segment as defined by the Subnet Mask."	This text will appear in the following case: There is a default gateway setting, and the network part that represents the subnet mask differs in the IP address and default gateway.

8.6.1.4.1 Confirm Popup

When "OK" button on the top page is pressed, the confirm popup window is shown if input items are without error.
If "OK" button on the confirm popup window is pressed, transits to result page.

Table 8-20 Error Pop-up

Items	Description
"Communication will be shut down temporarily to enable the new settings." "You cannot access the network immediately after the settings are changed."	-

8.6.2 Result page

If “OK” button on the confirm popup window is pressed, transits to result page.
The content of the result page varies according to the result (success or failure).

8.6.2.1 Result success

8.6.2.1.1 Image

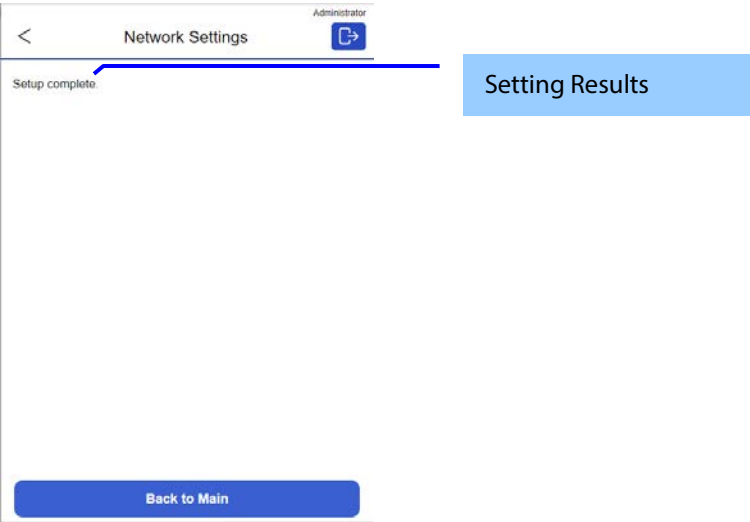


Figure 8-9 Result page(Success)

8.6.2.1.2 Setting Result

Table 8-21 Message

Items	Description
"Setup complete."	This text is shown if Wi-Fi/Network setup is successful.

8.6.2.2 Result Failed

If the setting fails, a failure message is displayed in red at the beginning of the top page.
Refer to the chapter on the top page for details on items other than the content of failure messages.

8.6.2.2.1 Image

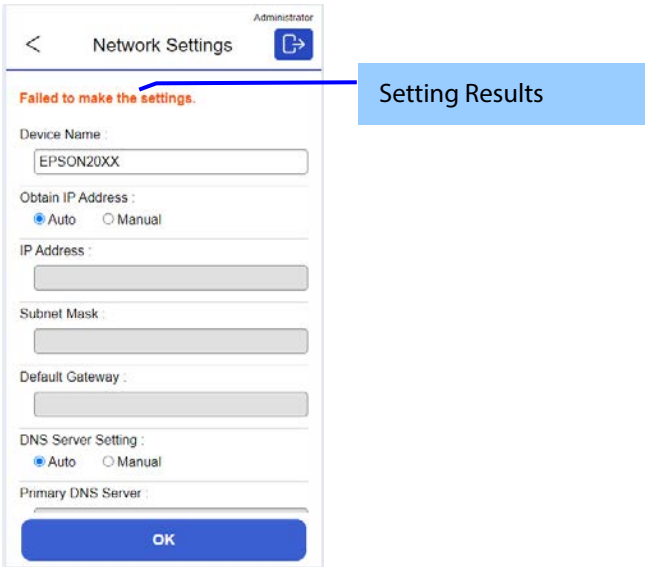


Figure 8-10 Result page(Failed)

8.6.2.2.2 Setting Result

Table 8-22 Message

Items	Description
"Setup failed."	This message is shown if Wi-Fi/Network setup fails due to setup/token mismatch.
"Cannot access the product until processing is complete."	This message is shown if Wi-Fi/Network setup fails due to conflicting network settings.

8.7 Print Settings Page

8.7.1 Top Page

8.7.1.1 Image

The following figure shows the layout of the top page.

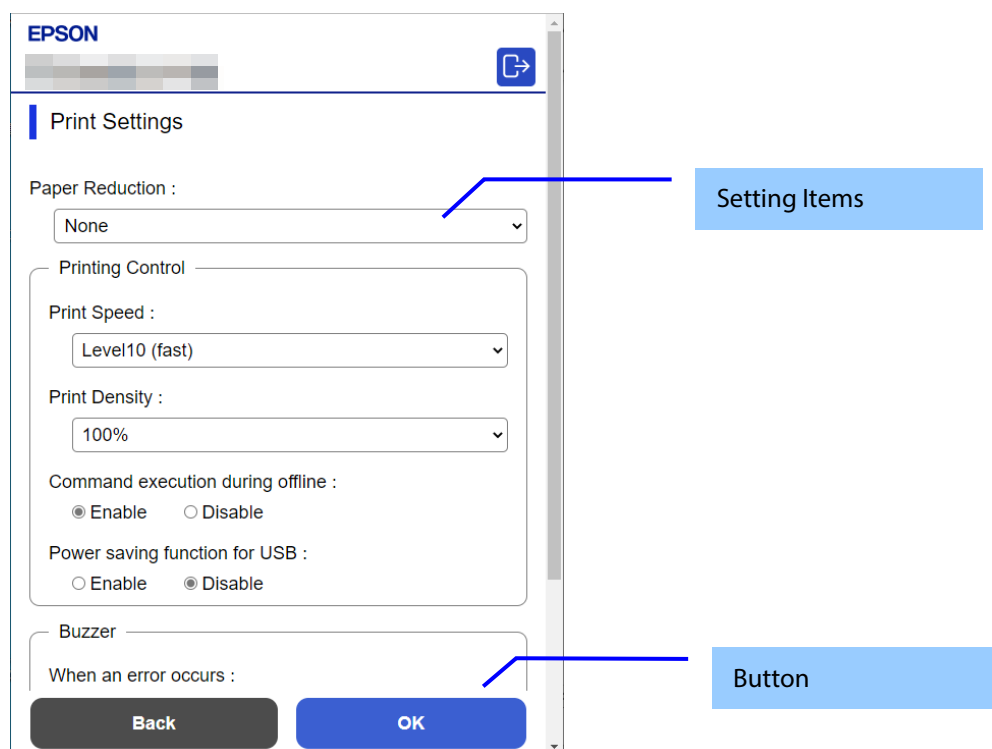


Figure 8-11 Image

8.7.1.2 Setting Items

Table 8-23 Setting Items

Items	Description	Condition
"Paper Reduction"	Use the drop-down list to select from the following options: "Max" / "Recommendation" / "None"	Displayed only on models that support paper reduction.
"Printing Control"	Title	-
"Print Speed"	For models that support the maximum printing speed "Level10" Use the drop-down list to select from the following options: "Level1 (slow)" / "Level2" / "Level3" / "Level4" / "Level5" / "Level6" / "Level7" / "Level8" / "Level9" / "Level10 (fast)" For models that support the maximum printing speed "Level13" Use the drop-down list to select from the following options: "Level1 (slow)" / "Level2" / "Level3" / "Level4" / "Level5" / "Level6" / "Level7" / "Level8" / "Level9" / "Level10" / "Level11" / "Level12" / "Level13 (fast)" For models that support the maximum printing speed "Level16" Use the drop-down list to select from the following options: "Level1 (slow)" / "Level2" / "Level3" / "Level4" / "Level5" / "Level6" / "Level7" / "Level8" / "Level9" / "Level10" / "Level11" / "Level12" / "Level13" / "Level14" / "Level15" / "Level16 (fast)"	Displayed only on models that support print speed.

	<p>For models that support the maximum printing speed "Level17" Use the drop-down list to select from the following options: "Level1 (slow)" / "Level2" / "Level3" / "Level4" / "Level5" / "Level6" / "Level7" / "Level8" / "Level9" / "Level10" / "Level11" / "Level12" / "Level13" / "Level14" / "Level15" / "Level16" / "Level17 (fast)"</p>	
"Print Density"	<p>For models that support "%" display: A value can be chosen using the Drop-down list from the following options: "70%" / "75%" / "80%" / "85%" / "90%" / "95%" / "100%" / "105%" / "110%" / "115%" / "120%" / "125%" / "130%" * "125%" and "130%" are displayed only for models that support the maximum print density "130%". * "As per DIP switch settings" is displayed only on models that support Print Density settings for DIP switches.</p> <p>For models that support "Level" display: Using the drop-down list, select from the following: "Level 1" / "Level 2" / "Level 3" / "Level 4" / "Level 5" / "Level 6" / "Level 7"</p>	Displayed only on models that support Print Density.
"Command execution during offline"	User can select "Enable" / "Disable" by radio button.	Displayed only on models that support command execution during offline.
"Power saving function for USB"	User can select "Enable" / "Disable" by radio button.	Displayed only on models that support the USB power saving function.
"Buzzer"	Title	-
"Buzzer"	<p>User can select "Optional Buzzer" / "Disable" by radio button.</p> <p>-----</p> <p>User can select "Optional Buzzer" / "Internal Buzzer" / "Disable" in the drop-down list. * "Internal Buzzer" is displayed only for models that support that option.</p>	This item is displayed on devices with a buzzer.
"When an error occurs"	<p>Use the drop-down list to select from the following options: "Off" / "Once" / "Continuous" * "Continuous" is displayed only for compatible models.</p>	This item is displayed on devices with a buzzer.
"When auto paper cut is operating"	User can select "Off" / "Once" by radio button.	This item is displayed on devices with a buzzer when performing automatic paper cut.
"When paper end occurs"	<p>User can select "Off" / "Once" by radio button.</p> <p>-----</p> <p>Use the drop-down list to select from the following options: "Off" / "Once" / "Continuous" * "Continuous" is displayed only for compatible models.</p>	This item is displayed on devices with a buzzer when paper end occurs.
"When printer is powered on"	User can select "Off" / "Once" by radio button.	This item is displayed on printers with a buzzer when the power is turned on.
"When battery level changed"	User can select "Off" / "Once" by radio button.	This item is displayed on devices with a buzzer when the battery level changes.
"When specified pulse 1 (2 pin) occurs"	User can select "Off" / "Once" by radio button.	This item is displayed on devices with a buzzer when specified pulse 1 (2 pin) occurs.

"When specified pulse 2 (5 pin) occurs"	User can select "Off" / "Once" by radio button.	This item is displayed on devices with a buzzer when specified pulse 2 (5 pin) occurs.
---	---	--

8.7.1.3 Buttons

The following table shows the button on the page.

Table 8-24 Buttons

Items	Description
"Back"	Button to move to the main page.
"OK"	Button to start print settings. Press the button to display the reboot confirmation pop-up

If the Web Config recognizes an error in the input value after the "OK" button is pressed, the following reboot confirmation pop-up is shown.

Table 8-25 Reboot Confirmation Pop-up

Items	Description
"Product will be restarted to apply the settings."	Displayed when the "Set" button is pressed. Click the "OK" button in the pop-up to move the results page.

8.7.2 Result Page

The result message is shown in the main frame after the "OK" button is pressed.

8.7.2.1 Image

The following figure shows the layout of the results page.

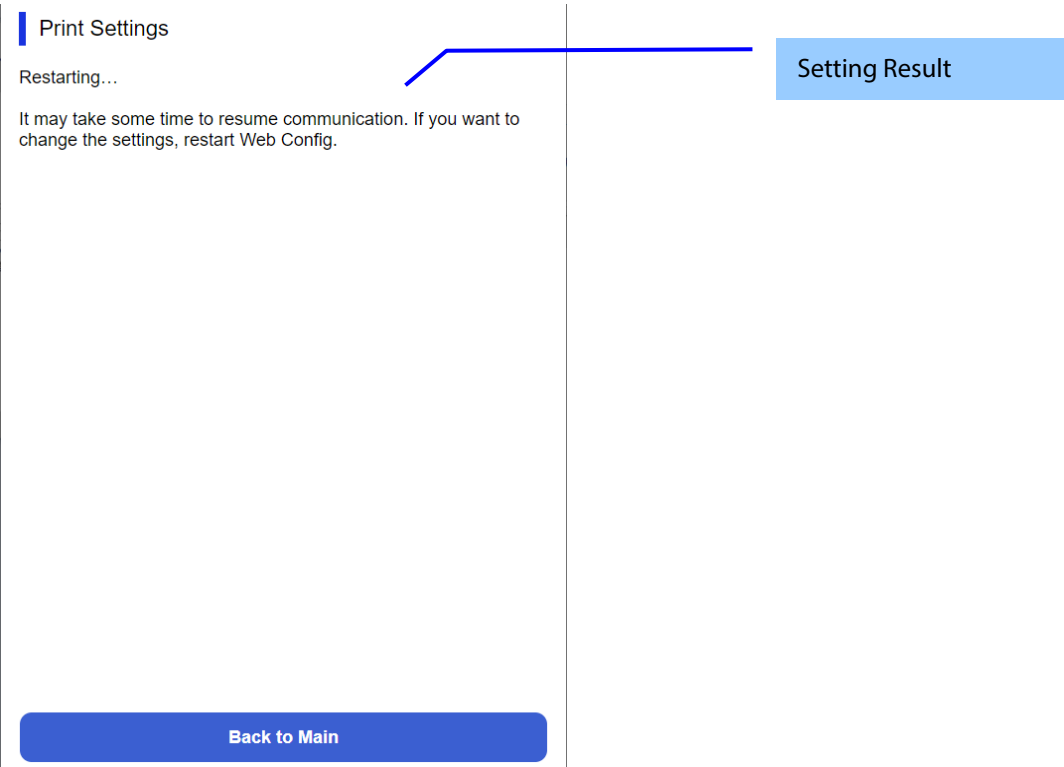


Figure 8-12 Image

8.7.2.2 Setting Result

Table 8-26 Setting Result

Items	Description
"Restarting... Restarting communication may take a few minutes. If you want to change the settings, reconnect to the Web Config."	This message is shown when the settings are completed successfully.
"Setup failed."	This message is shown if setup fails.
"Cannot access the product until processing is complete."	This message is shown when the setting is unavailable because the product is processing.

8.7.2.3 Button

Table 8-27 Button

Items	Description
"Back to Main"	Changes to the main page.

8.8 Firmware Update Page

8.8.1 Top Page

8.8.1.1 Image

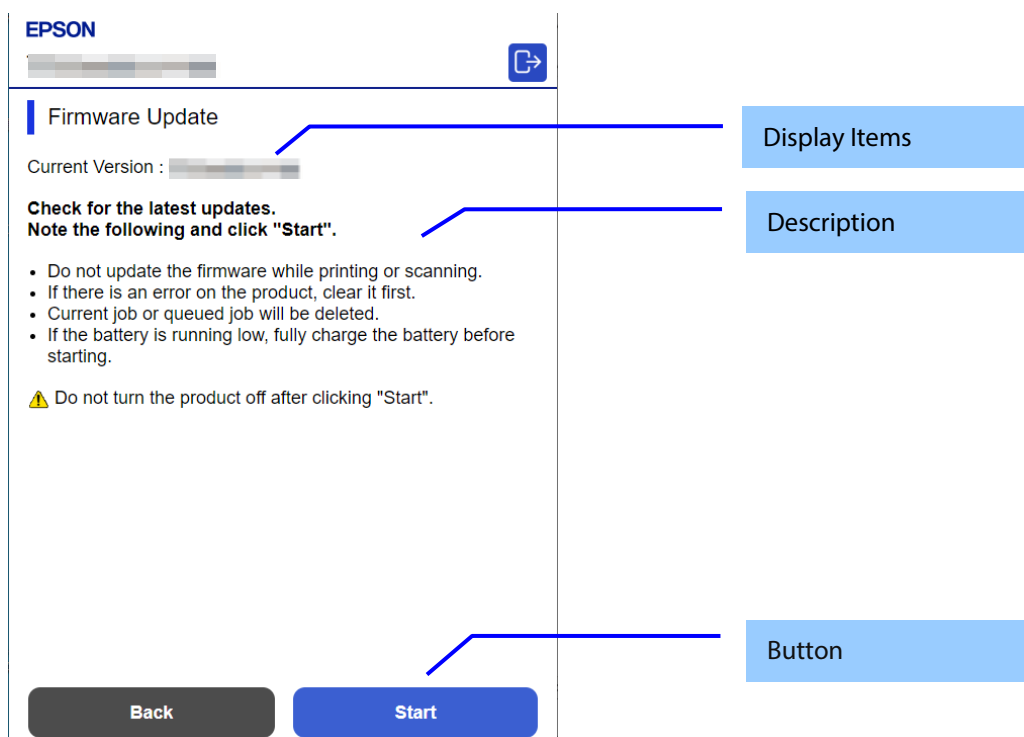


Figure 8-13 Top Page

8.8.1.2 Display Items

Table 8-28 Display Items

Items	Description
"Current Version"	Shows the firmware version. Up to 12 characters in ASCII codes XX.YY.ZZZZZZ -XX: Linux Kernel version -YY: Linux Appli version -ZZZZZ: Main version

8.8.1.3 Description

Table 8-29 Description

Items	Description	Condition
"Check for the latest updates."	Fixed Strings	-
"Note the following and click "Start"."	Fixed Strings	-
"Do not update the firmware while printing or scanning."	Fixed Strings	-
"If there is an error on the product, clear it first."	Fixed Strings	-
"Remove the roll paper if loaded. "	Fixed Strings	This message is shown on destinations with roll paper feed.
"Current job or queued job will be deleted."	Fixed Strings	-
"Connect an AC adapter if not connected."	Fixed Strings	This message is shown on models equipped with a battery.
"Do not turn the product off after clicking "Start"."	Fixed Strings The ! icon is shown in front of the string.	-

8.8.1.4 Buttons

Table 8-30 Buttons

Items	Description
"Back"	Button to move to the main page.
"Start"	If pressed when the administrator is logged on, the WebConfig makes transition to the Firmware search process page. If pressed when the administrator is logged off, the administrator login pop-up window is displayed. (If logged in at the popup Window, the WebConfig makes transition to the Firmware search process page.)

8.8.2 Firmware Search Process Page

The page is shown after the 'Start' button is pressed.
The following figure shows a layout of the firmware search page.
Firmware search process page does not display Back Button and Logon/Logoff Icon in the header.

8.8.2.1 Image

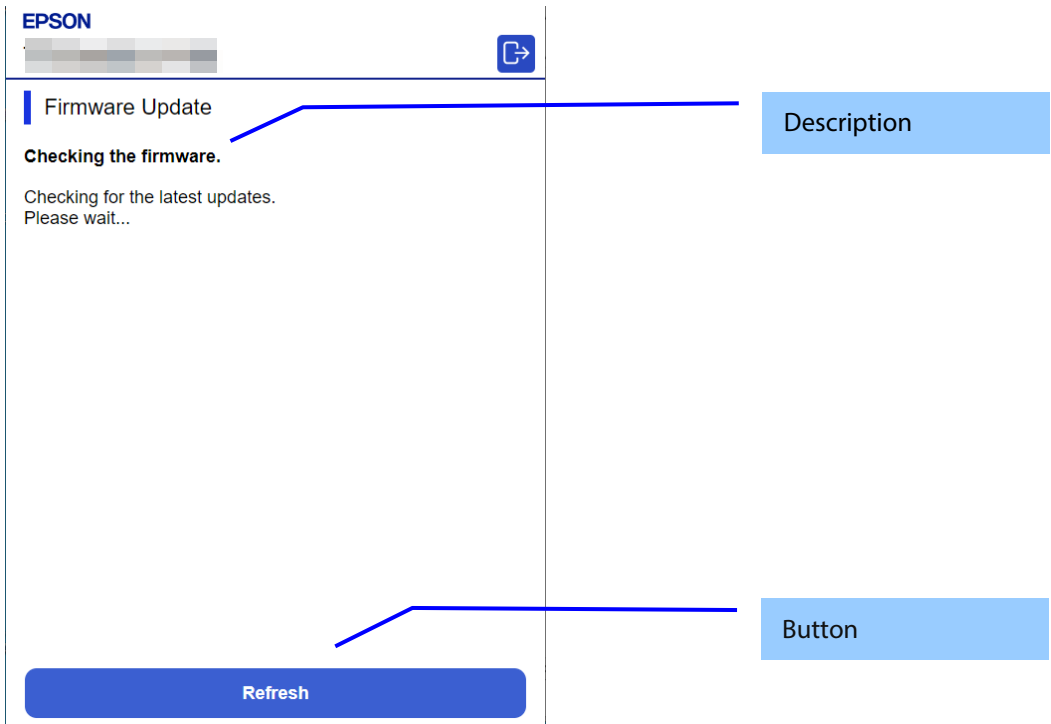


Figure 8-14 Firmware Search Process Page

8.8.2.2 Description Items

Table 8-31 Description

Items	Description
"Checking the firmware." "Checking for the latest updates. Please wait..."	Fixed Strings

8.8.2.3 Button

Table 8-32 Button

Items	Description
"Refresh"	Button on the bottom of the main frame for refreshing the page. Click it to refresh the page.

8.8.3 Before Update Confirm Page

This page is shown if new firmware is found.

The following figure shows a layout of the confirmation page before updating.

Before update confirm page do not display Back Button and Logon/Logoff Icon in the header.

If no operation continues for 20 minutes after displaying this page, the update process will be canceled.

8.8.3.1 Image

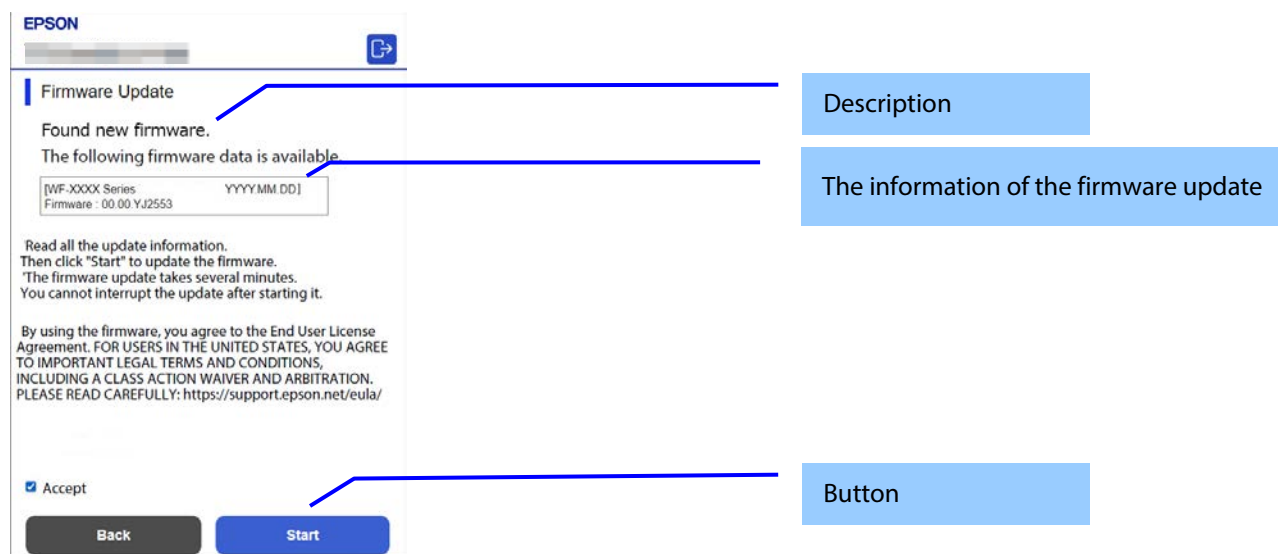


Figure 8-15 Before Update Confirm Page

8.8.3.2 Description

Table 8-33 Description

Items	Description
"Found new firmware." "The following firmware data is available."	Fixed Strings
"Access below URL for check update details." "https://epson.sn/eui/"	Fixed strings. Displayed under the information for the firmware update. This is displayed for RED-compliant printers. A URL is displayed with a link.
"Read all the update information. Then click "Start" to update the firmware." "The firmware update takes several minutes. You cannot interrupt the update after starting it."	Fixed Strings
"By using the firmware, you agree to the End User License Agreement. FOR USERS IN THE UNITED STATES, YOU AGREE TO IMPORTANT LEGAL TERMS AND CONDITIONS, INCLUDING A CLASS ACTION WAIVER AND ARBITRATION. PLEASE READ CAREFULLY: https://support.epson.net/eula/"	EULA
"Accept"	Check box. Check this item to enable the "Start" button.

8.8.3.3 The Information of the Firmware Update

Table 8-34 The Information of the Firmware Update

Items	Description
Product name and release date.	YYYY.MM.DD Up to 10 characters in ASCII codes
Firmware	Shows the firmware version. Up to 12 characters in ASCII codes XX.YY.ZZZZZZ -XX: Linux Kernel version -YY: Linux Appli version -ZZZZZ: Main version
Description	Up to 1024 bytes in UTF-8

8.8.3.4 Buttons

Table 8-35 Buttons

Items	Description
"Cancel"	Click to cancel the firmware update.
"Start"	Click to start the firmware update.

8.8.4 Cancel Process Page

With Cancel Process Page, Back button and Logon/Logoff icon are not displayed in the header.

8.8.4.1 Image

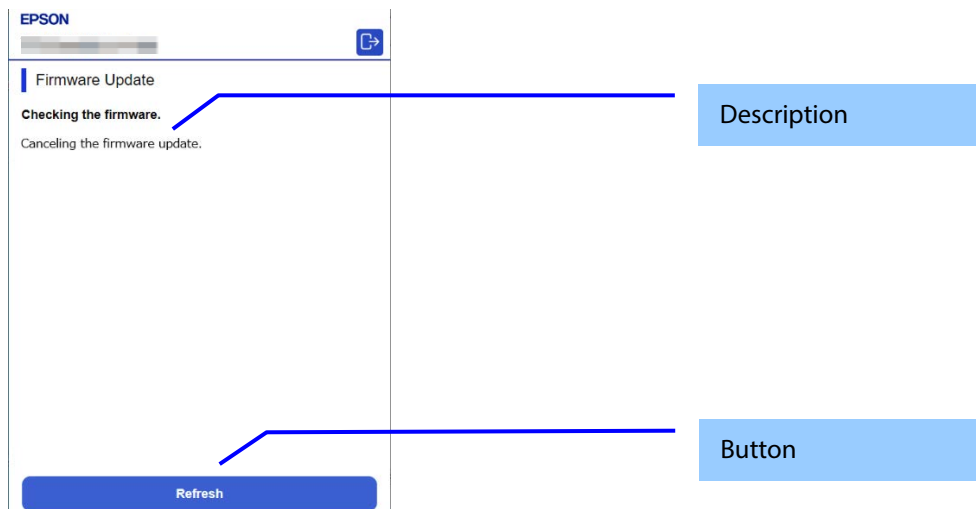


Figure 8-16 Cancel Process Page

8.8.4.2 Description

Table 8-36 Description

Items	Description
"Canceling the firmware update."	Fixed Strings

8.8.4.3 Button

Table 8-37 Button

Items	Description
"Refresh"	Button on bottom of the main frame. Click to refresh the page.

8.8.5 Result Page

8.8.5.1 Image

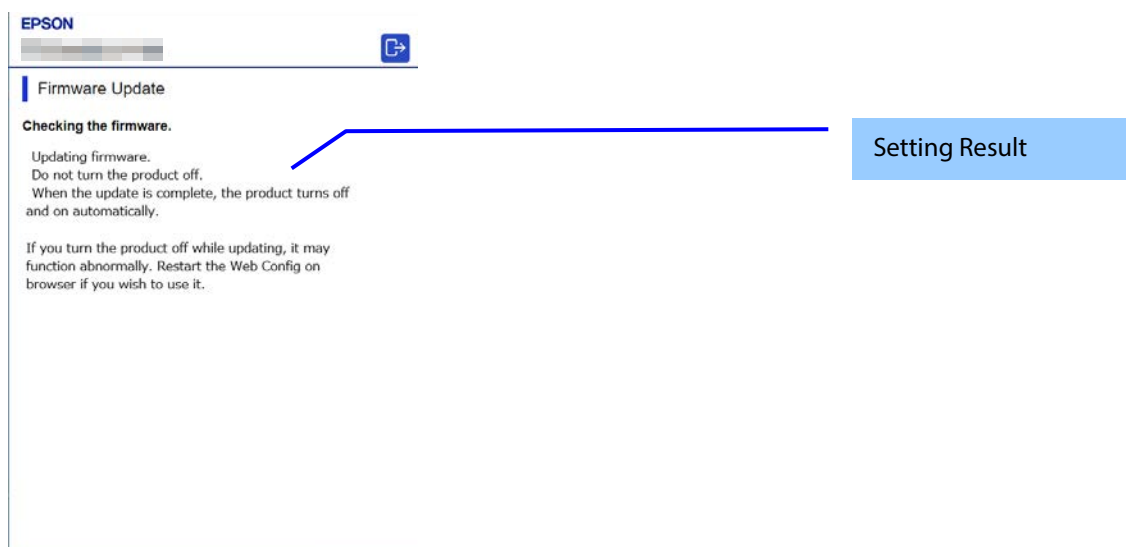


Figure 8-17 Result Page

8.8.5.2 Setting Result

Table 8-38 Setting Result

Items	Description
"Updating firmware." "Do not turn the product off." "When the update is complete, the product turns off and on automatically." If you turn the product off while updating, it may function abnormally. Restart the Web Config on browser if you wish to use it."	This message is shown when the firmware update is started successfully. The ! icon is shown in front of "Do not turn the product off. ".
"The firmware update was canceled."	This message is shown when the firmware update is canceled successfully.
"You have the latest firmware."	This message is shown when the current version of the firmware is the most recent.
"Cannot connect to the Epson server."	This message is shown when the printer could not access the server. The X icon is shown in front of the string.
"Cannot update the firmware." "Quit printing or scanning." "Remove the roll paper if loaded." "When an error message appears on the screen or status lights indicate an error, solve the problem." "Note: There might be an error regarding the consumables such as ink supply units." "Remove the memory card." "If the problem is not solved, close the Web browser and then launch it."	This message is shown when the printer cannot update the firmware. The X icon is shown in front of "Cannot update the firmware. " "Remove the roll paper if loaded. " is shown on destinations with roll paper feed.
"The operation failed." "Another computer may be communicating with the product."	This message is shown when another computer may be communicating with the product. The X icon is shown in front of "The operation failed. ".
"Cannot update the firmware." "Low battery. Connect to a power source."	This message is shown when processing cannot be executed because the power is not connected and the battery level is low. The X icon is shown in front of "Cannot update the firmware. "

8.8.5.3 Button

Table 8-39 Button

Items	Description
"Back to Main"	Changes to the main page.

8.9 Root Certificate Update

8.9.1 Top page

The root certificate update function on Web Config downloads root certificate files from the server provided by Epson and updates files that the printer has.

8.9.1.1 Image

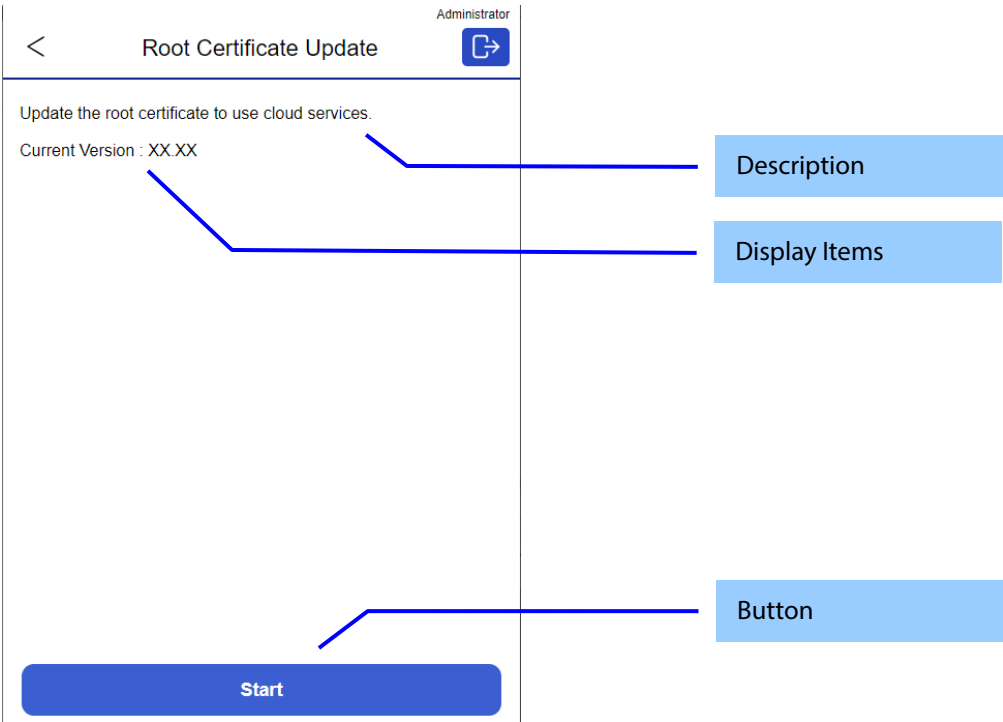


Figure 8-18 Top Page

8.9.1.2 Description

Table 8-40 Description

Items	Description
"Update the root certificate to use cloud services."	Fixed Strings

8.9.1.3 Display Items

Table 8-41 Display Items

Items	Description
"Current Version"	File version format: "MM.mm" "MM" means major version; "mm" means minor version.

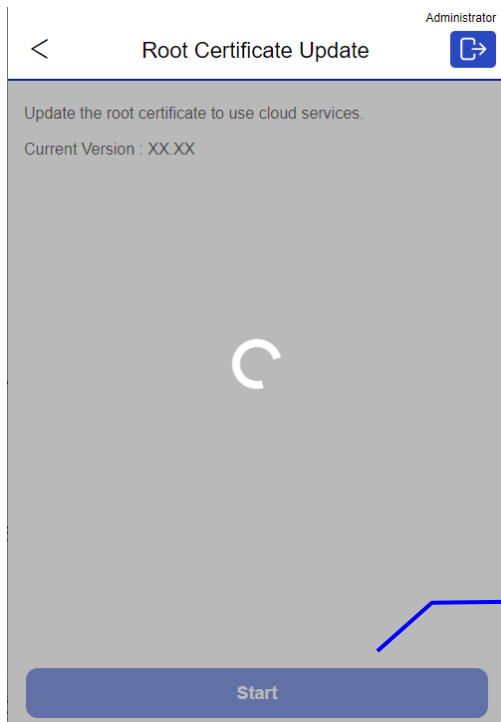
8.9.1.4 Buttons

Table 8-42 Button

Items	Description
"Start"	If pressed when the administrator is logged on, Web Config makes transition to the Progress page. If pressed when the administrator is logged off, the administrator login pop-up window is displayed. (If administrator logs in with displayed popup, Web Config makes transition to the Progress page.)

8.9.2 Progress page

8.9.2.1 Image



Button

Figure 8-19 Progress Page

8.9.3 Result page

8.9.3.1 Image

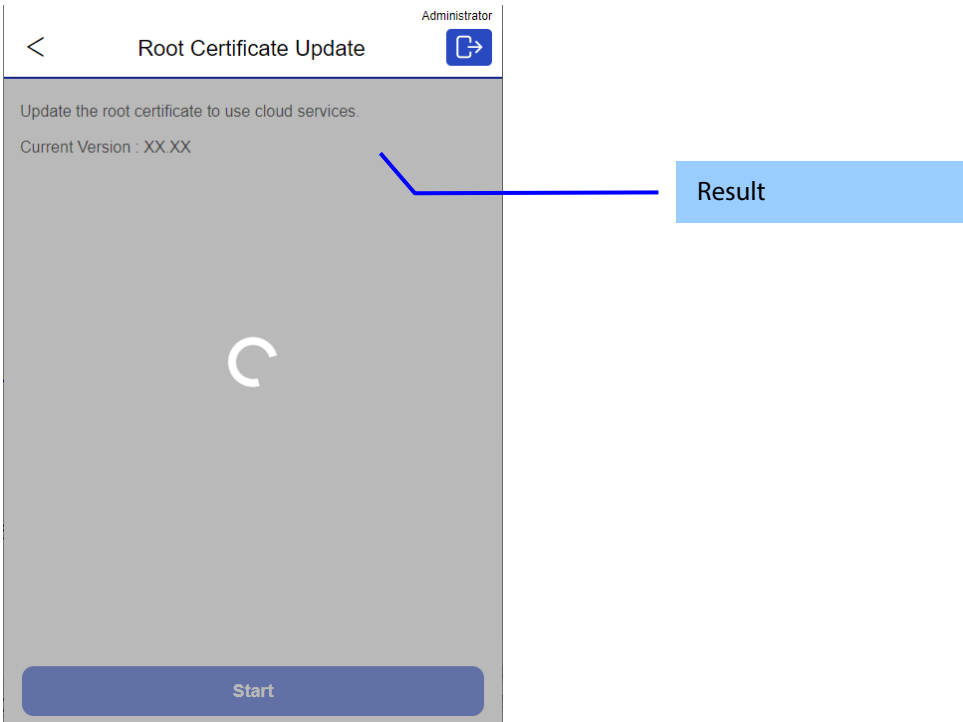


Figure 8-20 Result Page

8.9.3.2 Result

Table 8-43 Result

Items	Description
"Setup complete. "	This message is shown when the settings are completed.
"You have the latest root certificate. "	Displays when the root certificate is the latest available.
"❌ Cannot connect to the Epson server. "	The printer could not access the server.
"❌ The operation failed. "	The product is busy. The printer is being configured.
"❌ Setup failed. "	This message is shown if Wi-Fi/Network setup fails due to setup/token mismatch.

8.10 Cloud Services

8.10.1 Top page

8.10.1.1 Cloud Services Disabled State

8.10.1.1.1 Image

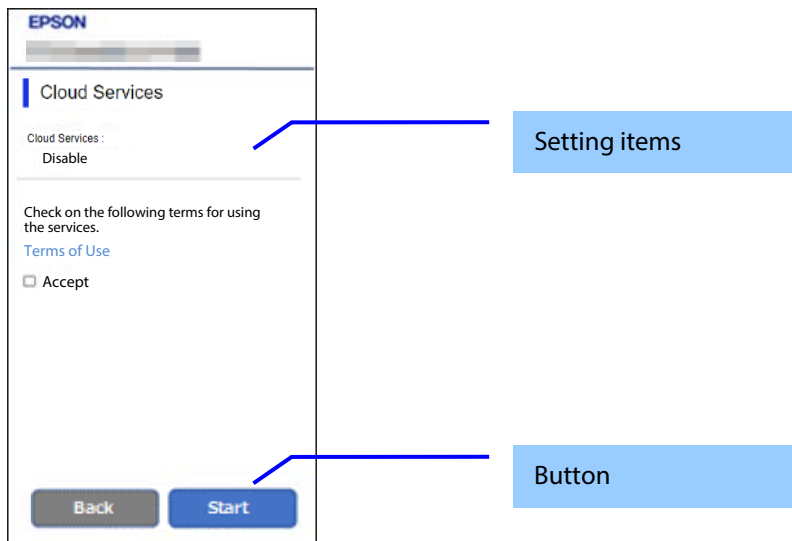


Figure 8-21 Cloud Services Disabled State

8.10.1.1.2 Setting items

Table 8-44 Setting items

Items	Description	Condition
"Cloud Services"	Displays whether it is possible to connect to Cloud Services. "Enable" / "Disable"	-
"Check on the following terms for using the services."	Fixed Strings	-
"Terms of Use"	If you click "Terms of Use", the Web Config accesses the following link in another window. https://pos-cloud-link.epson.com/documents/license.html	-
"Accept"	Check box. When this item is checked, the "OK" button is enabled.	-

8.10.1.1.3 Button

Table 8-45 Button

Items	Description	Condition
"Start"	Starts processing to enable Cloud Services connection.	-
"Back"	Use this button to move to main page.	-

8.10.1.2 Cloud Services Enable State

8.10.1.2.1 Image

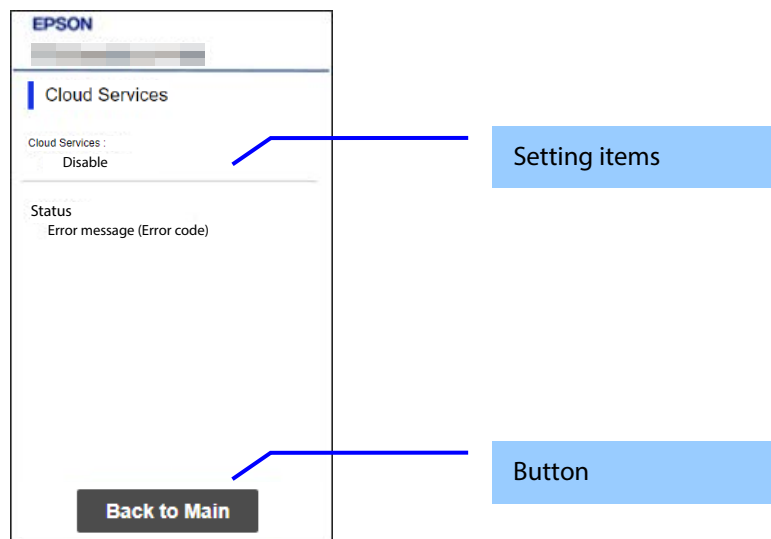


Figure 8-22 Cloud Services Enable State

8.10.1.2.2 Setting items

Table 8-46 Setting items

Items	Description	Condition
"Cloud Services"	Displays whether it is possible to connect to Cloud Services. "Enable" / "Disable"	-
"Status"	Display the connection status of one of the following cloud services. "Connection test was successful. " "Services are currently unavailable. Try again later. (910001) " "Internet or services are unavailable. Check the LAN cable connection or the network settings and try again later. (910002) " "DNS services are unavailable. Check the DNS Server settings and try again later. (910003) " "Domain name cannot be resolved by DNS. Check the internet connection or network settings. (910004) " "The Proxy Server is unavailable. Check the Proxy Server settings and try again later. (910005) " "The Proxy Server settings might be wrong. Check the HTTPS port settings or Proxy Server settings. (910006) "	-

8.10.1.2.3 Button

Table 8-47 Button

Items	Description	Condition
"Back to Main"	Main Page is displayed.	-

8.10.1.3 Cloud Services Changing State

8.10.1.3.1 Image

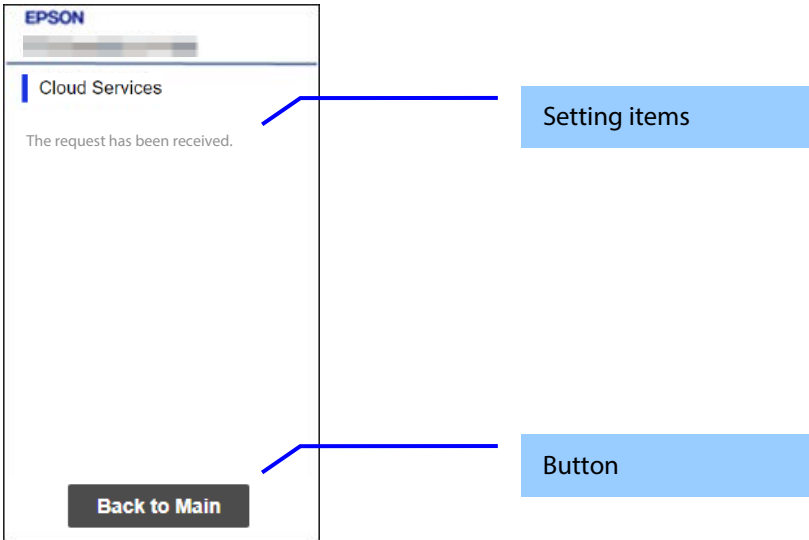


Figure 8-23 Cloud Services Changing State

8.10.1.3.2 Setting items

Table 8-48 Setting items

Items	Description	Condition
"The request has been received."	Displayed when accessing the TOP page after being redirected to the PIN code input page on the Cloud Services connection page before the connection is enabled. At this time, the PIN code input screen is also displayed on another tab.	-

8.10.1.3.3 Button

Table 8-49 Button

Items	Description	Condition
"Back to Main"	Main Page is displayed.	-

8.10.2 Result page

8.10.2.1 Image

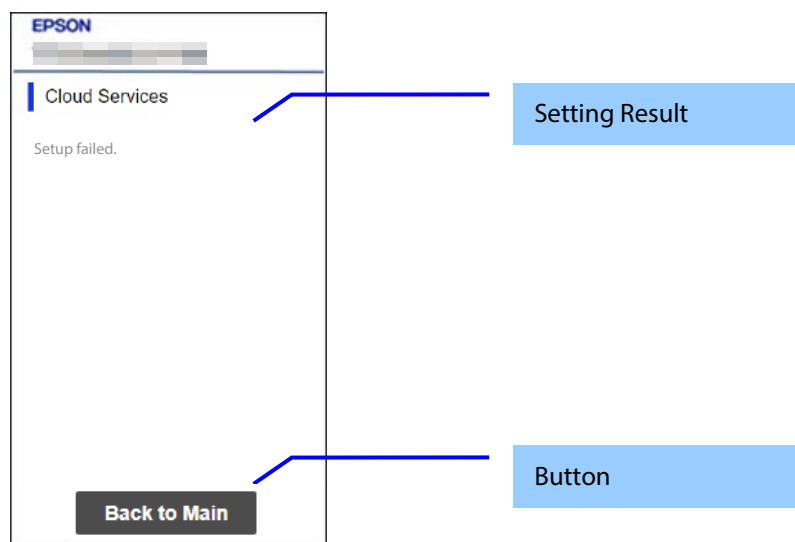


Figure 8-24 Result Page

8.10.2.2 Setting Result

Table 8-50 Setting Result

Items	Description	Condition
"The request has been received."	Displayed when the setting is successful and the Cloud Services PIN code input screen is displayed in a separate tab.	-
"Setup failed."	This text is shown if setup failed.	-
"Cannot execute because the product is in use."	This message is shown when the setting is unavailable because the product is in use.	Display additional error details when setting fails.
"There is a problem with the network device or it is difficult to access to the server."	Displayed when setting fails due to a network error.	Display additional error details when setting fails.
"This printer is not registered with cloud services."	Displayed when the product is not registered in Cloud Services.	Display additional error details when setting fails.

8.10.2.3 Button

Table 8-51 Button

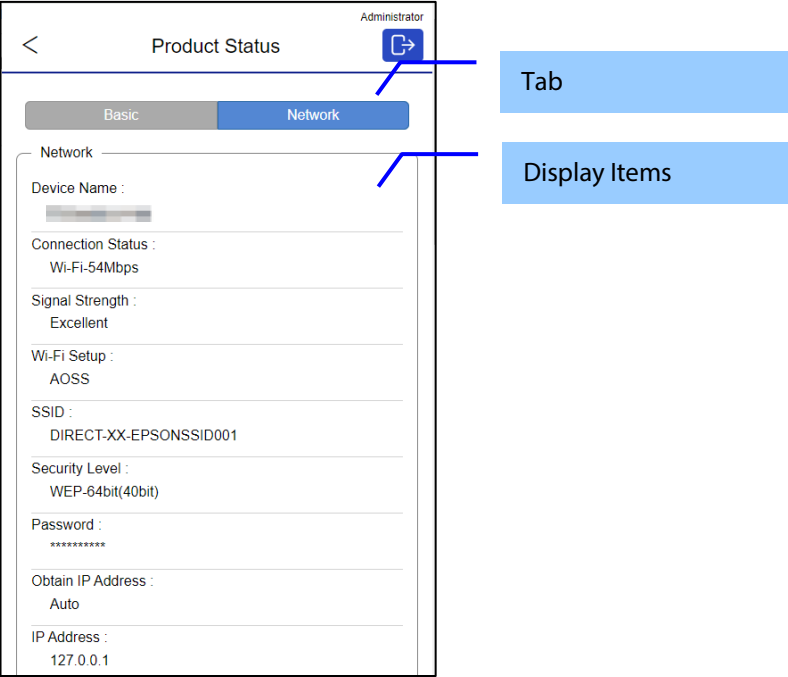
Items	Description	Condition
"Back to Main"	Main Page is displayed.	-

8.11 Product Status

8.11.1 Top page

8.11.1.1 Image

[For Smartphone]



[For PC]

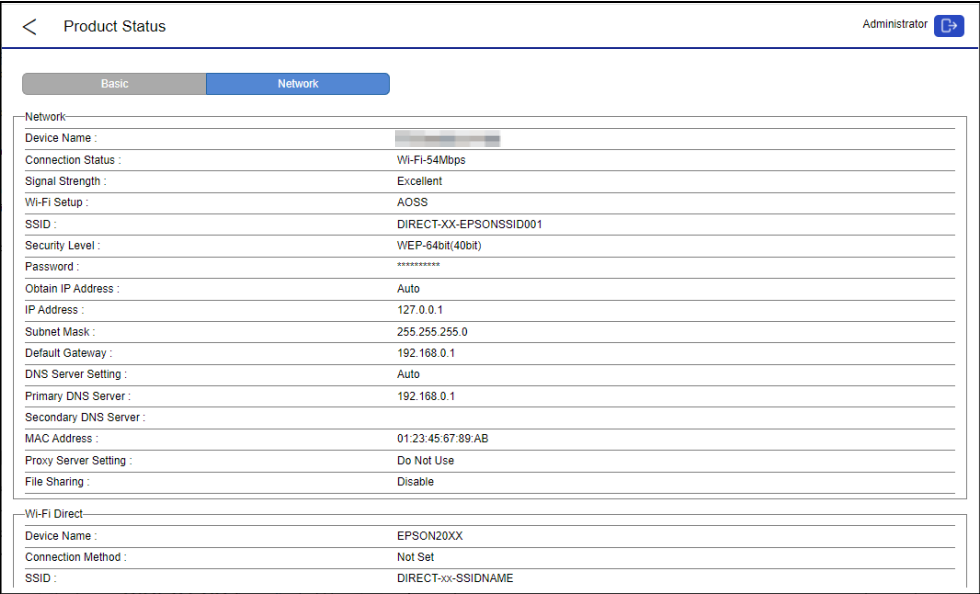


Figure 8-25 Top Page

8.11.1.2 Tab

Displays tab for changing display items on the top.

Table 8-52 Tab

Items	Description	Condition
“Basic”	Basic information of display items is displayed when this tab selected. This tab is default.	-
“Network”	Network information of display items is displayed when this tab selected.	-
“Wi-Fi Direct”	Network information of display items is displayed when this tab selected.	Displays only with Wi-Fi Direct support device.

8.11.1.3 Display Items

Table 8-53 Basic Information

Items	Description	Condition
"Status"	Displays content of status information at 9.1.1.1.2.2. Link to Panel Snapshot or Hardware Status is not displayed. If there is no status information to display, "Working normally" is displayed.	-
"Supply"	Displays content of supply information.	This item is shown when display of ink level is supported.
"Battery Status"	Displays content of battery status.	This item is displayed when the device supports battery.
"Software Licenses"	Link is same as for Software Licenses.	-

Table 8-54 Network Information

Items	Description	Condition
"Network"	Title	-
"Device Name"	Same content as Device Name in Advanced Settings > Network Status is displayed under same conditions.	-
"Connection Status"	Same content as Connection Status in Advanced Settings > Network Status is displayed under same conditions.	-
"Signal Strength"	Same content as Signal Strength in Advanced Settings > Network Status is displayed under same conditions.	-
"Obtain IP Address"	Same content as Obtain IP Address in Advanced Settings > Network Status is displayed under same conditions.	-
"IP Address"	Same content as IP Address in Advanced Settings > Network Status is displayed under same conditions.	-
"Subnet Mask"	Same content as Subnet Mask in Advanced Settings > Network Status is displayed under same conditions.	-
"Default Gateway"	Same content as Default Gateway in Advanced Settings > Network Status is displayed under same conditions.	-
"DNS Server Setting"	Same content as DNS Server Setting in Advanced Settings > Network Status is displayed under same conditions.	-
"Primary DNS Server"	Same content as Primary DNS Server in Advanced Settings > Network Status is displayed under same conditions.	-
"Secondary DNS Server"	Same content as Secondary DNS Server in Advanced Settings > Network Status is displayed under same conditions.	-
"Proxy Server Setting"	Same content as Proxy Server Setting in Advanced Settings > Network Status is displayed under same conditions.	-
"Proxy Server"	Same content as Proxy Server in Advanced Settings > Network Status is displayed under same conditions.	-
"Proxy Server Port Number"	Same content as Proxy Server Port Number in Advanced Settings > Network Status is displayed under same conditions.	-
"Wi-Fi Setup"	Same content as Wi-Fi Setup in Advanced Settings > Network Status is displayed under same conditions.	-
"SSID"	Same content as SSID in Advanced Settings > Network Status is displayed under same conditions.	-
"Security Level"	Same content as Security Level in Advanced Settings > Network Status is displayed under same conditions.	-
"Password"	Same content as Password in Advanced Settings > Network Status is displayed under same conditions.	-
"MAC Address"	Same content as MAC Address in Advanced Settings > Network Status is displayed under same conditions.	-
"File Sharing"	"Enable" / "Disable"	Shown when the device supports file sharing and Connection Status is not Disable.
"File Sharing Mode"	"Read Only" / "Read/Write"	Shown when the device supports file sharing, Connection Status is not Disable, and File Sharing is Enable.
"Wi-Fi Direct"	Title	Displayed only on Wi-Fi Direct support device.
"Device Name"	Shows the name of printer currently used.	Displayed only on Wi-Fi Direct support device.
"Connection Method"	"Not Set"/"Simple AP"	Displayed only on Wi-Fi Direct support device.

"Obtain IP Address"	"Auto" / "Manual"	Displayed only on Wi-Fi Direct support device and if "Connection Method" is not "Not Set".
"IP Address"	IP address has the format "xxx.xxx.xxx.xxx". xxx: 0 - 255 in decimal numbers	Displayed only on Wi-Fi Direct support device and if "Connection Method" is not "Not Set".
"Subnet Mask"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal numbers	Displayed only on Wi-Fi Direct support device and if "Connection Method" is not "Not Set".
"Default Gateway"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal numbers	Displayed only on Wi-Fi Direct support device and if "Connection Method" is not "Not Set".
"The number of connected devices"	If it is not equipped with Wi-Fi chip: Range of "0" - "4" If it is equipped with Wi-Fi chip: Range of "0" - "8"	Displayed only on Wi-Fi Direct support device and if "Connection Method" is not "Not Set".
"SSID"	1 - 32 characters (alphanumeric characters and symbols)	Displayed only on Wi-Fi Direct support device and if "Connection Method" is not "Not Set".
"Channel"	If it is not equipped with Wi-Fi chip: Range of "1" - "13" If it is equipped with Wi-Fi chip: 2.4GH Range of "1" - "13" 5GHz "36"/"40"/"44"/"48"/"52"/"56"/"60"/"64"/ "100"/"104"/"108"/"112"/"116"/"120"/"124"/"128"/"132"/"136"/ "140"/"149"/"153"/"157"/"161"/"165"	Displayed only on Wi-Fi Direct support device and if "Connection Method" is not "Not Set".
"Security Level"	"WPA2-PSK(AES)"	Displayed only on Wi-Fi Direct support device and if "Connection Method" is not "Not Set".
"Password"	"*****"	Displayed only on Wi-Fi Direct support device and if "Connection Method" is not "Not Set".
"MAC Address"	"XX:XX:XX:XX:XX:XX" X: Range of "0" - "F" in hexadecimal numbers	Displayed only on Wi-Fi Direct support device and if "Connection Method" is not "Not Set".

Same content as Wi-Fi Direct in Advanced Settings > Network Status is displayed for Wi-Fi Direct Information.

9. Advanced Settings

9.1 Status

9.1.1 Product Status

9.1.1.1 Top Page

9.1.1.1.1 Image

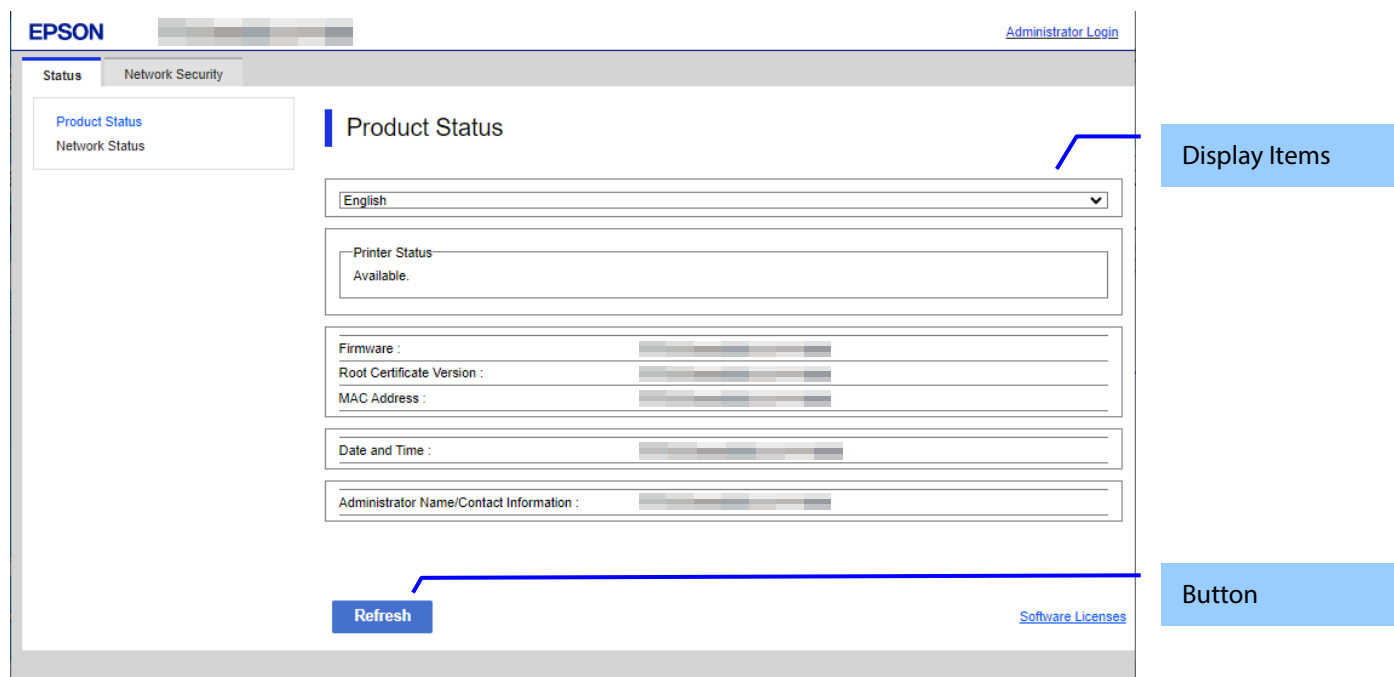


Figure 9-1 Product Status

9.1.1.1.2 Display items

9.1.1.1.2.1 Display Language Setting

The language specification is in accordance with Section 4 Language. When a language is selected, it is applied immediately and the page changes based on the selected language.

9.1.1.1.2.2 Status Information

One of the following messages is displayed in the printer status area, if the device has print function. If anything other than “Available” or “Busy” is displayed, a link to a Panel Snapshot is shown under the message.

Table 9-1 Printer Status

Items	Description
"Available."	This message is shown when the printer is ready to use.
"Busy."	This message is shown when the printer is not in any error condition but it is unable to use.
"Paper out."	This message is shown when the printer is out of paper.
"Paper jam."	This message is shown when the printer has a paper jam.
"An error has occurred. Please confirm the indicator or message on the product."	This message is shown when the printer cannot be used because of an error that is not due to mechanical failure.
"Printer error. Turn the power off and on again. For details, see your documentation."	This message is shown when some other fatal printer error occurs. If an error code is assigned, the error code is shown right behind the message.
"The ReadyPrint service is unavailable."	This message is shown when user cannot use ReadyPrint function. If an error code is assigned, the error code is shown right behind the message.
"Communication error. Check the Wi-Fi/network connection. For details, see your documentation."	This message is shown when user cannot use the device because communication error has occurred.

In the scanner status area, either of the following messages is shown, if the product doesn't have print function.
 "Available." "Busy." When outside is indicated, a link to a Panel Snapshot is indicated under the message.

Table 9-2 Scanner Status

Items	Description	Condition
"Available."	This message is shown when the scanner is ready to use.	-
"Busy."	This message is shown when the scanner is busy.	-
"Paper jam. Remove the jammed paper in the Automatic Document Feeder (ADF)"	This message is shown when the scanner is in paper-jam condition.	-
"Incorrect size documents have been placed in the Automatic Document Feeder (ADF). Remove the documents."	This message is shown when the scanner is in ADF paper size error condition.	-
"Double feed has occurred."	This message is shown when the scanner is in double feed error condition.	-
"The number of scans is close to the Life Cycle of the rollers."	This message is shown when consumable roller should be replaced.	-Only consumable roller support printers.
"The number of scans exceeds the Life Cycle of the rollers."	This message is shown when consumable roller must be replaced.	-Only consumable roller support printers.
"Unavailable. Check [Hardware Status]."	This message is shown when the scanner has some error due to the mechanical failure and is unable to use.	-
"An error has occurred. Please confirm the indicator or message on the product."	This message is shown when the status is other than those above.(This error does not occur in the product.)	-

One of the following messages is shown in the hardware status area.

Table 9-3 Hardware Status

Items	Description
"Scanner is out of order. Contact Epson Support." "Panel Snapshot"	This message is shown when only Scanner is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"Wi-Fi is out of order. Contact Epson Support." "Panel Snapshot"	This message is shown when only Wi-Fi is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is displayed.
"Memory card slot is out of order. Contact Epson Support." "Panel Snapshot"	This message is shown when only memory card slot is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"Built-in SD card is out of order. Contact Epson Support." "Panel Snapshot"	This message is shown when only Built-in SD card is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"TPM is out of order. Contact Epson Support." "If you have not backed up the device data encryption key, back up the key." "To continue using the printer without exchanging the TPM, disable device data encryption." "Panel Snapshot"	This message is shown when only TPM is out of order and encryption function is enabled. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"TPM is out of order. Contact Epson Support." "Device data encryption can not be enabled." "Panel Snapshot"	This message is shown when only TPM is out of order and encryption function is disabled. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"PS board is out of order. Contact Epson Support." "Panel Snapshot"	This message is shown when the device has PS board as standard and PS board is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"There is a problem with PS board. Reset PS board after shut down and pull out the outlet. If the device can not be recovered, contact Epson Support." "Panel Snapshot"	This message is shown when the device has PS board optionally and PS board is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.

"Cassette1 is out of order. Contact Epson Support. " "Panel Snapshot"	For printers other than model LP, this message is shown when only Cassette1 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"Cassette2 is out of order. Contact Epson Support. " "Panel Snapshot"	For printers other than model LP, this message is shown when only Cassette2 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"Cassette3 is out of order. Please contact Epson Support. " "Panel Snapshot"	For printers other than model LP, this message is shown when only Cassette3 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"Cassette4 is out of order. Contact Epson Support. " "Panel Snapshot"	For printers other than model LP, this message is shown when only Cassette4 is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"NFC is out of order. Contact Epson Support. " "Panel Snapshot"	This message is shown when only NFC module is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"Additional Network is out of order. Please contact Epson Support. " "Panel Snapshot"	This message is shown when only Additional Network module is out of order. An error code is shown right behind the message. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"Additional Network : Update the firmware because this feature does not work in the current version." "Panel Snapshot"	This message is shown when only Additional Network can not be used due to version mismatch. A link to a Panel Snapshot Page is indicated.
"Expansion Board: Update the firmware because this feature dose not work in the current version." "Panel Snapshot"	This message is shown when only Expansion board cannot be used due to version mismatch. A link to a Panel Snapshot Page is indicated.
"Expansion board is out of order. Contact Epson Support. " "Panel Snapshot"	This message is shown when only Expansion board is out of order. The string is shown in red. A link to a Panel Snapshot Page is indicated.
"There are problems with x parts of the hardware. Contact Epson Support. (Detail)" "Panel Snapshot"	This message is shown when there is an abnormality in more than one type of hardware. 'x' indicates the number of failures. The string is shown in red. This message provides a link to open the Hardware Status page in a separate tab. A link to a Panel Snapshot Page is displayed.
"There are problems with x parts of the hardware. (Detail)" "Panel Snapshot"	This message is shown when there is an abnormality in more than one type of hardware. 'x' indicates the number of failures. The string is shown in red. This message provides a link to open the Hardware Status page in a separate tab. A link to a Panel Snapshot Page is displayed.

JavaScript information and IP address conflict information are shown in the Other Status area.

When JavaScript is disabled in the web browser, both JavaScript information and IP address conflict information are shown if the device detects that the IP address (IPv4) assigned to the device is used by another device.

Table 9-4 Other Status

Items	Description
"Enable the browser's JavaScript setting."	This message is shown when JavaScript is disabled in the web browser.
"xxx.xxx.xxx.xxx is already in use on the network."	'xxx.xxx.xxx.xxx' indicates the IP address of the product. This message is shown if the device detects that the IP address (IPv4) assigned to the device is used by another device. If the same error screen is deleted from the panel display, this message will no longer be displayed.
"Invalid date and time."	This message is shown when Date and Time are not set.
"The setting which is required restart has been changed. Turn the power off and on."	This message is shown when a restart is required to apply the changes made to settings.
"Direct-XX-YYYYYY is already in use on the network."	Shown when the Wi-Fi is used. 'Direct-XX-YYYYYY' indicates the IP address of the product. This message is shown if the device detects that the SSID assigned to the device is used by another device. If the same error screen is deleted from the panel display, this message will no longer be displayed.

9.1.1.1.2.3 Cloud service related Information

Table 9-5 Cloud service related information

Items	Description	Condition
"Cloud Services"	Displays whether or not cloud services are connected.	Display only devices that support cloud services.
"Status"	Displays the connection status of cloud services. If there is no connection, the error content and error code will also be displayed.	Display only devices that support cloud services.

9.1.1.1.2.4 Device System Information

Table 9-6 Device System Information

Items	Description	Condition
"Firmware"	Shows the firmware version. Up to 12 characters in ASCII codes XX.YY.ZZZZZZ -XX: Linux Kernel version -YY: Linux Appli version -ZZZZZ: Main version	-
"Root Certificate Version"	Shows the root certification version.	-
"Serial Number"	Shows the serial number.	For models that support the initial value for the administrator password, this is displayed only when the administrator is logged in.
"Network MAC Address"	Shows the MAC address of the network interface currently used (either wired LAN or wireless LAN (infrastructure)).	This item is displayed on model that support wireless functions.
"Wi-Fi Direct MAC Address"	Shows the MAC addresses of the Wi-Fi Direct interface if Wi-Fi Direct is enabled (both P2P Device Address and P2P Interface Address).	This item is displayed on model that support wireless functions.
"MAC Address"	Shows the MAC address of the network interface currently used (either wired LAN, wireless LAN (infrastructure), or Wi-Fi Direct).	This item is displayed on model that do not support wireless functions.

9.1.1.1.2.5 Date/Time Information

Table 9-7 Date/Time Information

Items	Description	Condition
"Date and Time"	Shows the date and time when the page is opened. If "Date and Time" is not set, "Invalid date and time." is shown.	Displayed only for printers that support date and time settings.

9.1.1.1.2.6 Administrator Information

Table 9-8 Administrator Information

Items	Description
"Administrator Name/Contact Information"	Shows contact information (name, phone number, etc.) that the user of the printer can use.

9.1.1.1.2.7 Software Licenses

Web Config shows this page when the "Software Licenses" link is clicked. License information for OSS that the printer is using is displayed on this page.

9.1.1.1.3 Button

Table 9-9 Button

Items	Description
"Refresh"	If pressed, updated information is shown on the top page.

9.1.2 Network Status

In the Confirm Network Settings, you can confirm the product's network settings.

9.1.2.1 Top Page

9.1.2.1.1 Image

The screenshot displays the 'Basic' configuration page for the EPSON network status. The left sidebar contains tabs for 'Basic', 'Wi-Fi', 'Wired LAN', and 'Wi-Fi Direct'. The main content area is titled 'Basic' and contains the following fields and options:

- Device Name: EPSONA1E294
- Location: (empty field)
- Note: The values in Device Name and Location are applied to multiple network protocols.
- Obtain IP Address: ☒ Auto, ☐ Manual
- IP Address Printing: ☒ Enable, ☐ Disable
- Set using BOOTP: ☐ Enable, ☒ Disable
- Set using Automatic Private IP Addressing (APIPA): ☐ Enable, ☒ Disable
- IP Address: (empty field)
- Subnet Mask: (empty field)
- Default Gateway: (empty field)
- DNS Server Setting: ☒ Auto, ☐ Manual
- Primary DNS Server: (empty field)
- Secondary DNS Server: (empty field)
- DNS Host Name Setting: ☐ Auto, ☒ Manual
- DNS Host Name: EPSONA1E294
- DNS Domain Name Setting: ☒ Auto, ☐ Manual
- DNS Domain Name: (empty field)
- Register the network interface address to DNS: ☐ Enable, ☒ Disable
- Proxy Server Setting: ☒ Do Not Use, ☐ Use
- Proxy Server: (empty field)
- Proxy Server Port Number: (empty field)
- Proxy Server User Name: (empty field)
- Proxy Server Password: (empty field with a toggle icon)

At the bottom left, there is a 'Next' button. On the right side, there is a vertical scrollbar. Annotations include 'Display Items' pointing to the right side of the form and 'Button' pointing to the 'Next' button.

Figure 9-2 Network Status

9.1.2.1.2 Tab

If a device supports multiple-interfaces, "Network" and "Wi-Fi Direct" tabs are displayed, which can change the display information.

9.1.2.1.3 Display items

The following table shows the display items for both model that support wireless functions and model that do not support wireless functions.

Table 9-10 Displaying items (Network)

Items	Description	Condition
"Device Name"	Shows the name of the printer.	-
"Connection Status"	"Disconnect" / "10BASE-T Half Duplex" / "10BASE-T Full Duplex" / "100BASE-TX Half Duplex" / "100BASE-TX Full Duplex" / "1000BASE-T Full Duplex" / "Unknown"	Displayed when the model is equipped with a wired LAN and the wireless LAN setting (infrastructure) is not set.
	"Wi-Fi Disconnected" / "Searching for Wi-Fi" / "W-Fi-xxxMbps" ("xx": "00" - "495") / "Unknown"	Displayed when the model is equipped with a wireless LAN and the wireless LAN setting (infrastructure) has already been set.
	"Disable"	Displayed when the model is equipped with only wireless LAN and the wireless LAN setting (infrastructure) is not set.
"Signal Strength"	"Excellent" / "Good" / "Fair" / "No Good" / "Unknown"	Only shown when wireless LAN is used. Not shown while Wi-Fi Direct is used.
"Obtain IP Address"	"Auto" / "Manual"	Not shown when Connection Status is disabled.

"Set using BOOTP"	"Enable" / "Disable"	If "Obtain IP Address" is "Manual", this item is not shown.
"Set using Automatic Private IP Addressing"	"Enable" / "Disable"	If "Obtain IP Address" is "Manual", this item is not shown.
"IP Address"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	Not shown when Connection Status is disable.
"Subnet Mask"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	Not shown when Connection Status is disable.
"Default Gateway"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	Not shown when Connection Status is disable.
"DNS Server Setting"	"Auto" / "Manual"	Not shown when Connection Status is disable.
"Primary DNS Server"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimals	Not shown when Connection Status is disable.
"Secondary DNS Server"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	Not shown when Connection Status is disable.
"DNS Host Name Setting"	"Auto" / "Manual"	Not shown when Connection Status is disable.
" DNS Host Name Status"	"Unknown" / "Successful" / "Failed"	Shown if the way of obtaining a DNS host name is auto. Not shown when Connection Status is disable.
"DNS Host Name"	Shows the DNS host name currently used.	Not shown when Connection Status is disable.
"DNS Domain Name Setting"	"Auto" / "Manual"	Not shown when Connection Status is disable.
"DNS Domain Name Status"	"Unknown" / "Successful" / "Failed"	Shown if the way of obtaining a DNS host name is auto. Not shown when Connection Status is disable.
"DNS Domain Name"	Shows the DNS domain name currently used.	Not shown when Connection Status is disable.
"Register the network interface address to DNS"	"Enable" / "Disable"	Not shown when Connection Status is disable.
"Proxy Server Setting"	"Do Not Use" / "Use"	Not shown when Connection Status is disable.
"Proxy Server"	Shows the proxy server address in the IP address or FQDN format. - IP address format "xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal - FQDN format ASCII (alphanumeric, dot, hyphen), 1-255 characters	Shown when the value for "Proxy Server Setting" is "Use". Not shown when Connection Status is disable.
"Proxy Server Port Number"	Range of 0 - 65535 in decimals.	Shown when value of "Proxy Server Setting" is "Use". Not shown when Connection Status is disable.
"Proxy Server User Name"	0 - 255 byte characters (range of 0x20 - 0x7E in ASCII codes)	Shown when value of "Proxy Server Setting" is "Use". Not shown when Connection Status is disable.
"Proxy Server Password"	"Not Set" / "*****"	Shown when value of "Proxy Server Setting" is "Use". Not shown when Connection Status is disable.
"IPv6 Setting"	"Enable" / "Disable"	Not shown when Connection Status is disable.

"IPv6 Privacy Extension"	"Enable" / "Disable"	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 DHCP Server Setting"	"Do Not Use" / "Use"	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 Address"	Shows an IPv6 address default gateway.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 Address Default Gateway"	Shows a valid IPv6 link-local address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 Link-Local Address"	Shows a valid stateful IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 Stateful Address "	Shows a valid stateless IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 Stateless Address 1"	Shows a valid stateless IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 Stateless Address 2"	Shows a valid stateless IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 Stateless Address 3"	Shows an IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 Primary DNS Server"	Shows an IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 Secondary DNS Server"	Shows an IPv6 address default gateway.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"Wi-Fi Setup"	"AOSS" / "WPS" / "Manual" / "Wi-Fi Auto Connect"	Shown if wireless LAN is used. Not shown when Connection Status is disable.
"Wi-Fi Mode"	"IEEE802.11b" / "IEEE802.11g" / "IEEE802.11b/g" / "IEEE802.11b/g/n" / "IEEE802.11a/n/ac"	Shown if the wireless LAN is used. Not shown when Connection Status is disable.
"SSID"	1 – 32 characters Alphanumeric and sign characters	Shown if the wireless LAN is used. Not shown when Connection Status is disable.
"Channel"	- Not equipped with Wi-Fi chip Range of "1" - "13" - Equipped with Wi-Fi chip 2.4GHz Range of "1" - "13" 5GHz "36"/"40"/"44"/"48"/"52"/"56"/"60"/"64"/"100"/"104"/"108"/"112"/"116"/"120"/"124"/"128"/"132"/"136"/"140"/"149"/"153"/"157"/"161"/"165"	Shown if the wireless LAN is used. Not shown when Connection Status is disable.
"Security Level"	"None" / "WPA-PSK(TKIP)" / "WPA2-PSK(AES)" / "WPA2/WPA3-Enterprise" / "WPA3-SAE(AES)"	Shown if the wireless LAN is used. Not shown when Connection Status is disable.
"Password"	"Not Set" / "*****"	Shown if wireless LAN is used and Security Level is not WPA2/WPA3-Enterprise. Not shown when Connection Status is disable.
"MAC Address"	"XX:XX:XX:XX:XX:XX" X: 0 - F in hexadecimal	Not shown when Connection Status is disable.

"IEEE802.11k/v"	"Enable" / "Disable"	For wireless LAN option dongle models, display when the dongle is inserted in the main unit, and hide when not inserted. Display on models that support the IEEE802.11k/v/r function.
"IEEE802.11r"	"Enable" / "Disable"	For wireless LAN option dongle models, display when the dongle is inserted in the main unit, and hide when not inserted. Display on models that support the IEEE802.11k/v/r function.
"Power Saving(Wi-Fi) "	"Enable" / "Disable"	
<Wi-Fi Direct compatible models> "Frequency Range (Wi-Fi · Wi-Fi Direct) " <Wi-Fi Direct non-compatible models> "Frequency Range"	"Enable" / "Disable"	

Table 9-11 Display Items (Wi-Fi Direct)

Items	Description	Condition
"Device Name"	Shows the printer name currently used.	-
"Connection Method"	"Not Set"/"Simple AP"	-
"IP Address"	"Auto"/"Manual" and IP address are displayed. The IP address is in the following format: "xxx.xxx.xxx.xxx". xxx: 0 - 255 in decimals	Shown if "Connection Method" is not "Not Set"
"Subnet Mask"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	Shown if "Connection Method" is not "Not Set"
"Default Gateway"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	Shown if "Connection Method" is not "Not Set"
"The number of connected devices"	Range of "0" - "8"	Shown if "Connection Method" is not "Simple AP".
"SSID"	1 - 32 characters (alphanumeric characters and marks)	Shown if "Connection Method" is not "Not Set"
"Channel"	- If it is not equipped with Wi-Fi chip. Range of "1" - "13" - If it is equipped with Wi-Fi chip. 2.4GHz Range of "1" - "13" 5GHz "36"/"40"/"44"/"48"/"52"/"56"/"60"/"64"/"100"/"104"/"108"/"112"/"116"/"120"/"124"/"128"/"132"/"136"/"140"/"149"/"153"/"157"/"161"/"165"	Shown if "Connection Method" is not "Not Set"
"Security Level"	"WPA2-PSK(AES)" only	Shown if "Connection Method" is not "Not Set"
"Password"	"*****"	Shown if "Connection Method" is not "Not Set"
"MAC Address"	"XX:XX:XX:XX:XX:XX" X: Range of "0" - "F" in hexadecimal	Shown if "Connection Method" is not "Not Set"

Table 9-12 Display items (Not supporting multiple-interface)

Items	Description	Condition
"Device Name"	Shows the printer name currently used.	-
"Connection Status"	"Disconnect" / "10BASE-T, Half Duplex" / "10BASE-T, Full Duplex" / "100BASE-TX, Half Duplex" / "100BASE-TX, Full Duplex" / "1000BASE-T, Full duplex" / "Unknown"	Shown when the wired LAN is used.
	"Wi-Fi Disconnected" / "Searching for Wi-Fi" / "W-Fi-xxxMbps" ("xxx": "00" - "495") / "Unknown"	Shown when the wi-fi is used.
"Signal Strength"	"Excellent" / "Good" / "Fair" / "No Good" / "Unknown"	Only shown when wireless LAN is used. Not shown while Wi-Fi Direct is used.
"Obtain IP Address"	"Auto" / "Manual"	-
"Set using BOOTP"	"Enable" / "Disable"	- If "Obtain IP Address" is "Manual", this item is not shown.
"Set using Automatic Private IP Addressing (APIPA)"	"Enable" / "Disable"	- If "Obtain IP Address" is "Manual", this item is not shown.
"IP Address"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	-
"Subnet Mask"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	-
"Default Gateway"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	-
"DNS Server Setting"	"Auto" / "Manual"	-
"Primary DNS Server"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	-
"Secondary DNS Server"	"xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal	-
"Way of obtaining DNS Host Name"	"Auto" / "Manual"	-
" DNS Host Name Status"	"Unknown" / "Successful" / "Failed"	Shown if the way of obtaining a DNS host name is auto.
"DNS Host Name"	Shows the DNS host name currently used.	-
"Way of obtaining DNS Domain Name"	"Auto" / "Manual"	-
"DNS Domain Name Status"	"Unknown" / "Successful" / "Failed"	Shown if the way of obtaining a DNS host name is auto.
"State of DNS Domain Name obtained automatically"	Shows the DNS domain name currently used.	-
"Proxy Server Setting"	"Do Not Use" / "Use"	-
"Proxy Server"	Shows the proxy server name in the IP address or FQDN format.	Shown when the value for "Proxy Server Setting" is "Use".
	- IP address format "xxx.xxx.xxx.xxx" xxx: 0 - 255 in decimal - FQDN format ASCII (alphanumeric, dot, hyphen), 1-255 characters	
"Proxy Server Port Number"	Range of "0" - "65535" in decimal	Shown when the value for "Proxy Server Setting" is "Use".
"Proxy Server User Name"	0 - 256byte alphanumeric characters ASCII 0x20 - 0x7E	Shown when value of "Proxy Server Setting" is "Use".
"Proxy Server Password"	"Not Set" / "*****"	Shown when value of "Proxy Server Setting" is "Use".
"IPv6 Setting"	"Enable" / "Disable"	-
"IPv6 Anonymous Address"	"Enable" / "Disable"	Shown if the IPv6 Setting is used.
"IPv6 DHCP Server Setting"	"Do Not Use" / "Use"	Shown if IPv6 is enabled.
		Not shown if the DHCPv6 function is not supported.
"IPv6 Address"	Shows an IPv6 address.	Shown if the IPv6 Setting is used.
"IPv6 Address Default Gateway"	Shows an IPv6 address.	Shown if the IPv6 Setting is used.

"IPv6 Link-Local Address"	Shows a valid IPv6 link-local address	Shown if the IPv6 Setting is used.
"IPv6 Stateful Address "	Shows a valid stateful IPv6 address.	Shown if IPv6 is enabled. Not shown when Connection Status is disable.
"IPv6 Stateless Address 1"	Shows an IPv6 stateless address	Shown if the IPv6 Setting is used.
"IPv6 Stateless Address 2"	Shows an IPv6 stateless address	Shown if the IPv6 Setting is used.
"IPv6 Stateless Address 3"	Shows an IPv6 stateless address	Shown if the IPv6 Setting is used.
"IPv6 Primary DNS Server"	Shows an IPv6 address	Shown if the IPv6 Setting is used.
"IPv6 Secondary DNS Server"	Shows an IPv6 address	Shown if the IPv6 Setting is used.
"Wi-Fi Setup"	"AOSS" / "WPS" / "Wi-Fi Direct" / " Manual" / "Wi-Fi Auto Connect"	Shown if the wireless LAN is used.
"Wi-Fi Mode"	"IEEE802.11b" / "IEEE802.11g" / "IEEE802.11b/g" / "IEEE802.11b/g/n"	Shown if the wireless LAN is used.
"The number of connected devices"	Range of 0 to 4 in decimals	Shown if the Simple AP Mode is enabled.
"SSID"	1~32 characters Alphanumeric and sign characters	Shown if the wireless LAN is used.
"Channel"	Range of "1" - "13"	Shown if the wireless LAN is used.
"Security Level"	"None" / "WPA-PSK(TKIP)" / "WPA2-PSK(AES)" / "WPA2/WPA3-Enterprise" / "WPA3-SAE(AES)"	Shown if the wireless LAN is used.
"Password"	"Not Set" / "*****"	Shown if wireless LAN is used and Security Level is not WPA2-Enterprise.
"MAC Address"	"XX:XX:XX:XX:XX:XX" X: Range of "0" - "F" in hexadecimal	-
"IEEE802.11k/v"	"Enable" / "Disable"	Displayed on models that support the IEEE802.11k/v/r function. For wireless LAN option dongle models, displayed when the dongle is inserted in the main unit, and hidden when not inserted.
"IEEE802.11r"	"Enable" / "Disable"	Displayed on models that support the IEEE802.11k/v/r function. For wireless LAN option dongle models, displayed when the dongle is inserted in the main unit, and hidden when not inserted.

9.1.2.1.4 Button

Table 9-13 Button

Items	Description
"Refresh"	If pressed, updated information is shown on the top page.

9.1.3 TM-Intelligent

It is possible to establish a link to TM-i.

9.1.3.1 Top page

Click a menu item to open the TM-i Settings page in a new tab.
(See "TM-i Settings" for more information.)

9.1.3.1.1 Image

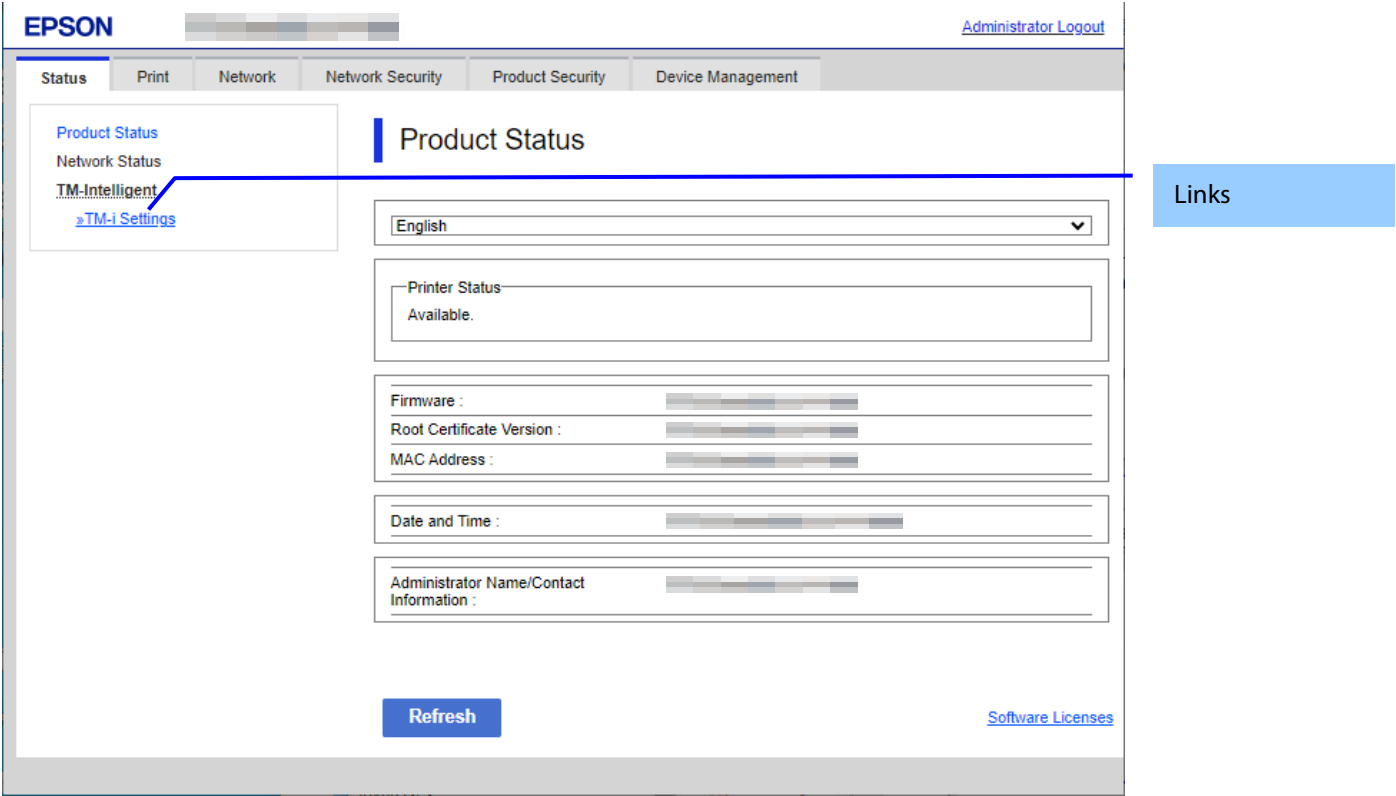


Figure 9-3 Top page

9.2 Print

9.2.1 Print Settings

9.2.1.1 Top Page

9.2.1.1.1 Image

The following figure shows the layout of the top page.

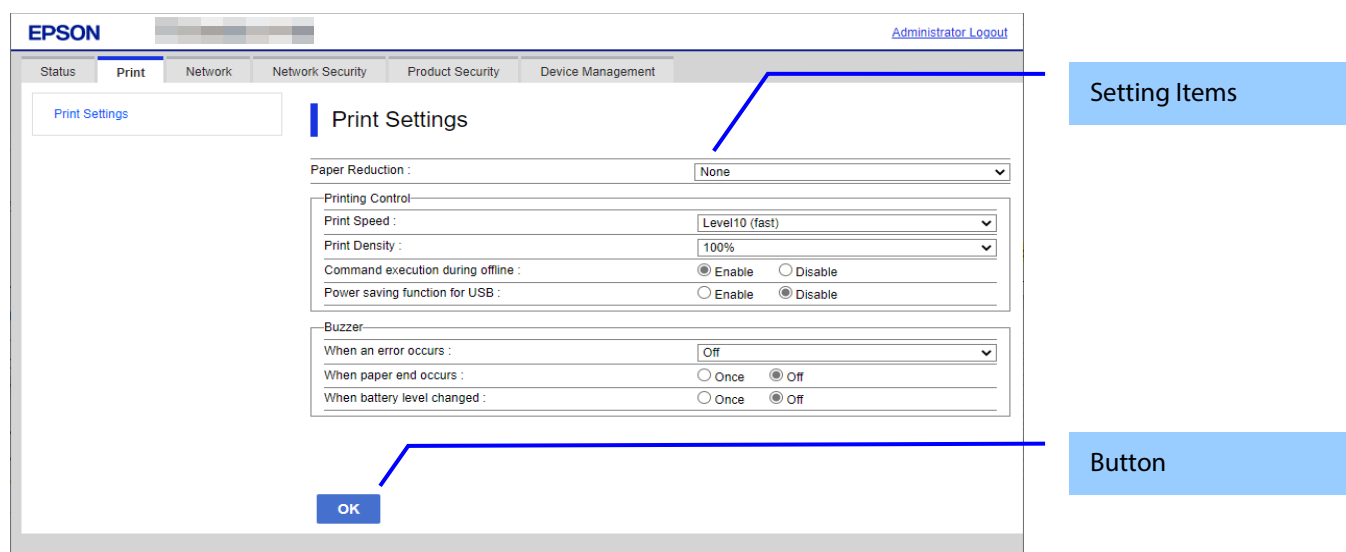


Figure 9-4 Image

9.2.1.1.2 Setting Items

Table 9-14 Setting Items

Items	Description	Condition
"Paper Reduction"	Use the drop-down list to select from the following options: "Max" / "Recommendation" / "None"	Display only on models that support paper reduction.
"Printing Control"	Title	-
"Printing Speed"	<p>For models that support the maximum printing speed "Level10"</p> <p>Use the drop-down list to select from the following options: "Level1 (slow)" / "Level2" / "Level3" / "Level4" / "Level5" / "Level6" / "Level7" / "Level8" / "Level9" / "Level10 (fast)"</p> <p>For models that support the maximum printing speed "Level13"</p> <p>Use the drop-down list to select from the following options: "Level1 (slow)" / "Level2" / "Level3" / "Level4" / "Level5" / "Level6" / "Level7" / "Level8" / "Level9" / "Level10" / "Level11" / "Level12" / "Level13 (fast)"</p> <p>For models that support the maximum printing speed "Level16"</p> <p>A value can be chosen using the Drop-down list from the following options: "Level1 (slow)" / "Level2" / "Level3" / "Level4" / "Level5" / "Level6" / "Level7" / "Level8" / "Level9" / "Level10" / "Level11" / "Level12" / "Level13" / "Level14" / "Level15" / "Level16 (fast)"</p>	Displayed only on models that support print speed.

	<p>For models that support the maximum printing speed "Level17"</p> <p>Use the drop-down list to select from the following options:</p> <p>"Level1 (slow)" / "Level2" / "Level3" / "Level4" / "Level5" / "Level6" / "Level7" / "Level8" / "Level9" / "Level10" / "Level11" / "Level12" / "Level13" / "Level14" / "Level15" / "Level16" / "Level17 (fast)"</p>	
"Print Density"	<p>For models that support "%" display.</p> <p>A value can be chosen using the Drop-down list from the following options:</p> <p>"70%" / "75%" / "80%" / "85%" / "90%" / "95%" / "100%" / "105%" / "110%" / "115%" / "120%" / "125%" / "130%"</p> <p>* "125%" and "130%" are displayed only for models that support the maximum print density "130%".</p> <p>* "As per DIP switch settings" is displayed only on models that support Print Density setting using dip switches.</p> <p>For models that support "Level" display.</p> <p>Using the drop-down list, choose from the following:</p> <p>"Level 1" / "Level 2" / "Level 3" / "Level 4" / "Level 5" / "Level 6" / "Level 7"</p>	Display only on models that support Print Density.
"Command execution during offline"	User can select "Enable" / "Disable" by radio button.	Display only on models that support Command execution during offline.
"Power saving function for USB"	User can select "Enable" / "Disable" by radio button.	Display only on models that support Power saving function for USB.
"Buzzer"	Title	-
"Buzzer"	<p>User can select "Optional Buzzer" / "Disable" by radio button.</p> <p>-----</p> <p>A value can be chosen using the Drop-down list from the following options:</p> <p>"Optional Buzzer" / "Internal Buzzer" / "Disable"</p> <p>* "Internal Buzzer" is displayed only for compatible models.</p>	This item is displayed on devices with a buzzer.
"When an error occurs"	<p>Use the drop-down list to select from the following options:</p> <p>"Off" / "Once" / "Continuous"</p> <p>* "Continuous" is displayed only for compatible models.</p>	This item is displayed on devices with a buzzer.
"When auto paper cut is operating"	User can select "Off" / "Once" by radio button.	This item is displayed on devices with a buzzer when automatic paper cut is performed.
"When paper end occurs"	<p>User can select "Off" / "Once" by radio button.</p> <p>-----</p> <p>A value can be chosen using the Drop-down list from the following options:</p> <p>"Off" / "Once" / "Continuous"</p> <p>* "Continuous" is displayed only for compatible models.</p>	This item is displayed on devices with a buzzer when paper end occurs.
"When printer is powered on"	User can select "Off" / "Once" by radio button.	This item is displayed on the device with "When printer is powered on".
"When battery level changed"	User can select "Off" / "Once" by radio button.	This item is displayed on devices with a buzzer when the battery level changes.
"When specified pulse 1 (2 pin) occurs"	User can select "Off" / "Once" by radio button.	This item is displayed on devices with a buzzer when specified pulse 1 (2 pin) occurs.

"When specified pulse 2 (5 pin) occurs"	User can select "Off" / "Once" by radio button.	This item is displayed on devices with a buzzer when specified pulse 2 (5 pin) occurs.
---	---	--

9.2.1.1.3 Button

The following table shows the buttons on the page.

Table 9-15 Button

Items	Description
"OK"	Button to start print settings. Press the button to display the reboot confirmation pop-up
"Back"	Button to move to the main page.

If the Web Config recognizes an error in the input value after the “OK” button is pressed, the following reboot confirmation pop-up is shown.

Table 9-16 Reboot Confirmation Pop-up

Items	Description
"Product will be restarted to apply the settings."	Displayed when the "Set" button is pressed. Click the "OK" button in the pop-up to move the Result Page.

9.2.1.2 Result Page

The result message is shown on the main frame after the “OK” button is pressed.

9.2.1.2.1 Image

The following figure shows the layout of the results page.

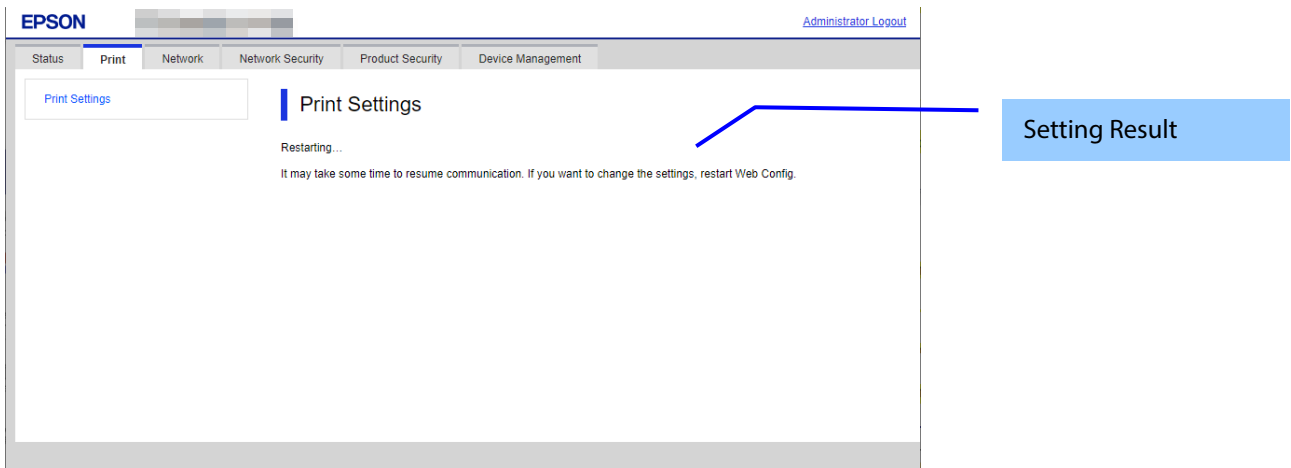


Figure 9-5 Image

9.2.1.2.2 Setting Result

Table 9-17 Setting Result

Items	Description
"Restarting... Restarting communication may take a few minutes. If you want to change the settings, reconnect to the Web Config."	This message is shown when the settings are completed successfully.
"Setup failed."	This message is shown if setup fails.
"Cannot access the product until processing is complete."	This message is shown when the setting is unavailable because the product is processing.

9.2.2 Secure Printing

This will appear on printers that comply with the European Radio Equipment Directive (hereafter, RED).

9.2.2.1 Top Page

9.2.2.1.1 Image

The following figure shows a layout of top page.

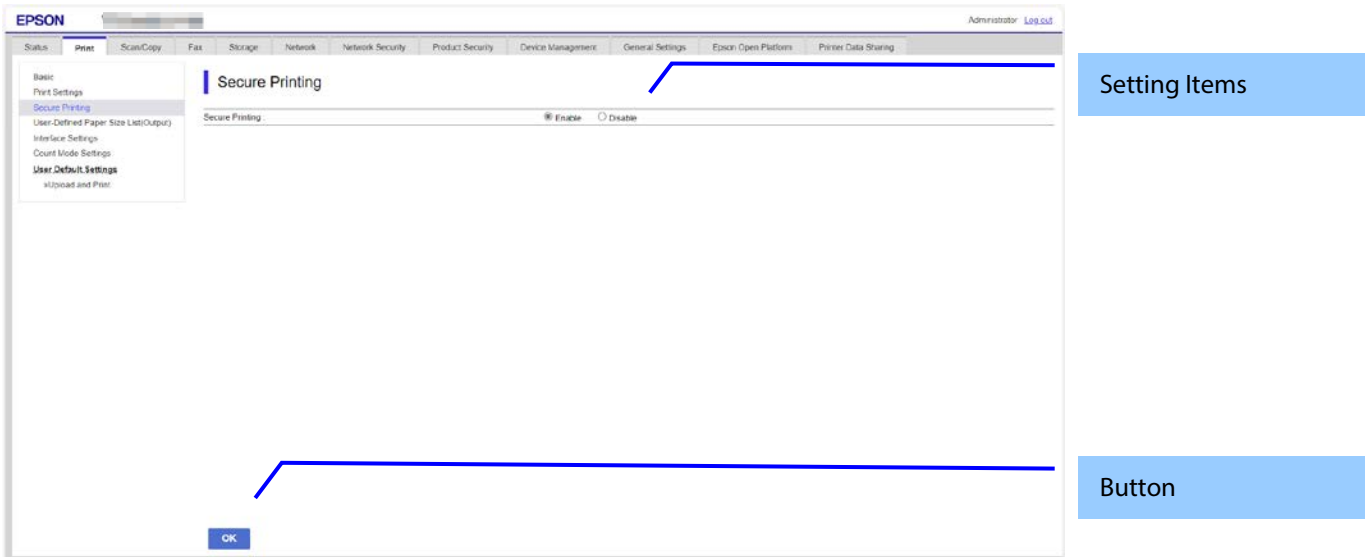


Figure 9-6 Image

9.2.2.1.2 Setting Items

Table 9-18 Setting Items

Items	Description	Condition
"Secure Printing"	Two radio buttons are provided to choose either of the followings: "Enable" / "Disable"	-

9.2.2.1.3 Button

The following table shows the button on the page.

Table 9-19 Button

Items	Description
"OK"	Button to start print settings.

When "OK" button is pressed, the following pop-up is shown.

Table 9-20 Pop-up

Items	Description
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	Displayed when the "Set" button is pressed. Click the "OK" button in the pop-up to move the Result Page.
"Product will be restarted to apply the settings."	Displayed when the "Set" button is pressed. Click the "OK" button in the pop-up to move the Result Page.

9.2.2.2 Result Page

The result message is shown on the main frame after "OK" button is pressed.

9.2.2.2.1 Image

The following figure shows a layout of result page.

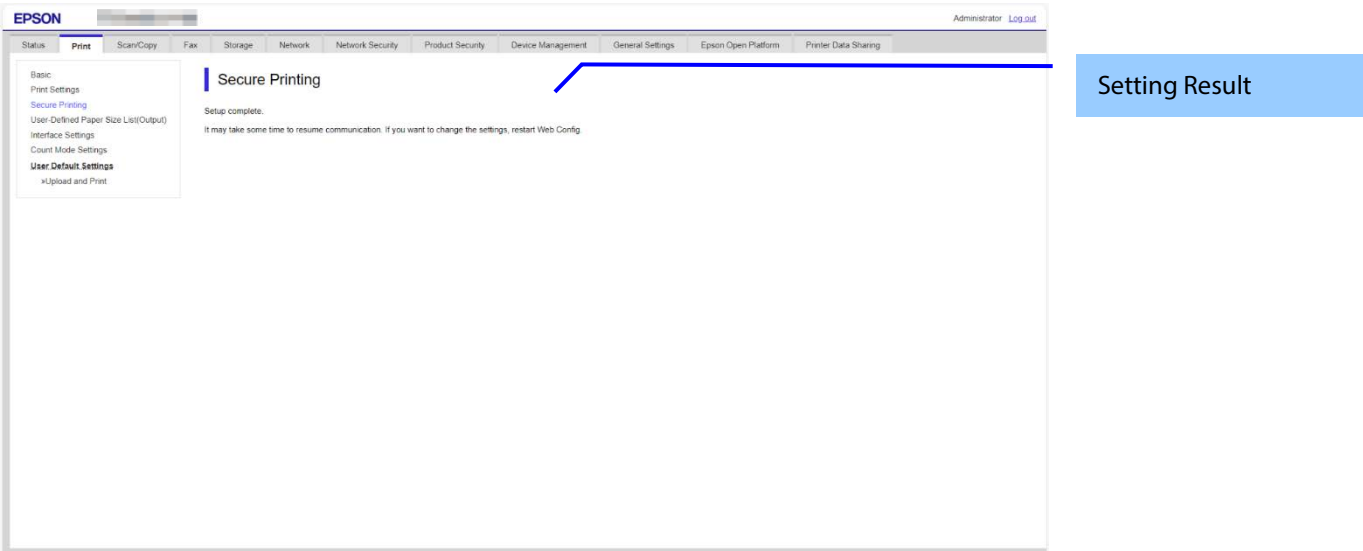


Figure 9-7 Image

9.2.2.2.2 Setting Result

Table 9-21 Setting Result

Items	Description
"Restarting... Restarting communication may take a few minutes. If you want to change the settings, reconnect to the Web Config."	This message is shown when the settings are completed successfully.
"Setup failed."	This message is shown if setup fails.
"Cannot access the product until processing is complete."	This message is shown when the setting is unavailable because the product is processing.

9.3 Network

9.3.1 Network Basic

9.3.1.1 Top Page

9.3.1.1.1 Image

The screenshot displays the 'Basic' configuration page for the EPSON network setup. It includes a sidebar with 'Basic', 'Wi-Fi', and 'Wi-Fi Direct' options. The main content area is titled 'Basic' and contains several sections: 'Device Name' and 'Location' text boxes, a note about protocol application, 'Obtain IP Address' (Auto/Manual), 'IP Address Printing' (Enable/Disable), 'Set using BOOTP' (Enable/Disable), 'Set using Automatic Private IP Addressing (APIPA)' (Enable/Disable), and fields for IP Address, Subnet Mask, and Default Gateway. It also includes DNS settings (Server, Host Name, Domain Name) and Proxy settings (Server, Port, User Name, Password). At the bottom, there are 'IPv6 Setting' and 'IPv6 Privacy Extension' options. A 'Next' button is located at the bottom left. Two blue callout boxes are present: one labeled 'Setting Items' pointing to the 'Device Name' and 'Location' fields, and another labeled 'Button' pointing to the 'Next' button.

Figure 9-8 Top Page

9.3.1.1.2 Setting Items

The following table shows the network setting items in Wi-Fi/Network Setup.

Table 9-22 Setting Items

Items	Description	Condition
"Device Name"	A text box is provided. The string must have 2 to 15 characters and contain "A"~"Z", "a"~"z", "0"~"9", and "-". (Spaces are not allowed.) The leading character must be "A"~"Z" or "a"~"z". ("0"~"9" and "-" are not allowed.) The final character must be "A"~"Z", "a"~"z" or "0"~"9". ("- is not allowed.)	-
"Location"	A text box is provided. The string must be UTF-8 characters up to 127 bytes.	-
"Note: The values in Device Name and Location are applied to multiple network protocols."	Notes for "Printer Name" and "Location"	-
"Obtain IP Address"	Two radio buttons are provided to choose one of the following: "Auto" / "Manual"	-
"IP Address Printing"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable"	This item is displayed only for models that support IP address printing.
"Set using BOOTP"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable"	- If "Obtain IP Address" is "Manual", this item is grayed-out.
"Set using Automatic Private IP Addressing (APIPA)"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable"	- If "Obtain IP Address" is "Manual", this item is grayed-out.

"IP Address"	<p>A text box is provided. Format: "xxx.xxx.xxx.xxx" "xxx": "0"~"255" in decimals.</p> <p>The following addresses can not be set. "0.0.0.0"~"255.255.255.255" Loopback address("127.0.0.0"~"127.255.255.255") Class D address("224.0.0.0"~"239.255.255.255") Class E address("240.0.0.0"~"255.255.255.255") Directed broadcast address("255.255.255.255")</p>	- If "Obtain IP Address" is "Auto", this item is grayed-out.
"Subnet Mask"	<p>A text box is provided. Format: "xxx.xxx.xxx.xxx" "xxx": "0"~"255" in decimals. The following addresses can not be set. Discontinuous mask bit (Ex: "255.254.128.0") 0.0.0.0 255.255.255.254 255.255.255.255</p>	- If "Obtain IP Address" is "Auto", this item is grayed-out.
"Default Gateway"	<p>A text box is provided. Format: "xxx.xxx.xxx.xxx" "xxx": "0"~"255" in decimals. The following addresses can not be set. "0.0.0.0" (The display is blank if this value is set.) The following addresses can not be set. "0.0.0.1"~"255.255.255.255" Loopback address("127.0.0.0"~"127.255.255.255") Class D address("224.0.0.0"~"239.255.255.255") Class E address("240.0.0.0"~"255.255.255.255") Directed broadcast address("255.255.255.255")</p>	- If "Obtain IP Address" is "Auto", this item is grayed-out.
"DNS Server Setting"	<p>Two radio buttons are provided to choose one of the following: "Auto" / "Manual" "Manual" is selected when "Obtain IP Address" is "Manual".</p>	-
"Primary DNS Server"	<p>A text box is provided. Format: "xxx.xxx.xxx.xxx" "xxx": "0"~"255" in decimals. ("0.0.0.0") is prohibited. If "Primary DNS Server" is blank but a value has been entered for "Secondary DNS Server", an error occurs. You can leave this field blank.</p>	- If "DNS Server Setting" is "Auto", this item is grayed-out.
"Secondary DNS Server"	<p>A text box is provided. Format: "xxx.xxx.xxx.xxx" "xxx": "0"~"255" in decimal. ("0.0.0.0") is prohibited. You can enter the empty.</p>	- If "DNS Server Setting" is "Auto", this item is grayed-out.
"DNS Host Name Setting"	<p>Two radio buttons are provided to choose one of the following: "Auto" / "Manual"</p>	-
"DNS Host Name"	The Device Name is shown.	-
"DNS Domain Name Setting"	<p>Two radio buttons are provided to choose one of the following: "Auto" / "Manual"</p>	-
"DNS Domain Name"	<p>A text box is provided. The string must have 2 to 249 characters and contain "A"~"Z", "a"~"z", "0"~"9", and "-". (Spaces are not allowed.) However, it is necessary to enter no more than 251 characters in total for both the host name and domain name. If this number is exceeded, the configuration is not applied. The leading character must be "A"~"Z" or "a"~"z". ("0"~"9" and "-" are not allowed.) The final character must be "A"~"Z", "a"~"z", or "0"~"9". ("-" is not allowed.) The number of characters on each label separated by a period (".") must be 1 to 63.</p>	- If "DNS Domain Name Setting" is "Auto", this item is grayed-out.
"Register the network interface address to DNS"	<p>Two radio buttons are provided to choose one of the following: "Enable" / "Disable"</p>	-
"Proxy Server Setting"	"Do Not Use" / "Use"	-

"Proxy Server"	Set the proxy server address in the IPv4 address or FQDN format.	- If "Proxy Server Setting" is "Do Not Use", this item is grayed-out.
"Proxy Server Port Number"	A text box is provided. The string must be "0" to "65535" in decimals.	- If "Proxy Server Setting" is "Do Not Use", this item is grayed-out.
"Proxy Server User Name"	A text box is provided. The string must be from 0 to 255 bytes with characters in ASCII codes (0x20 - 0x7E).	- If "Proxy Server Setting" is "Do Not Use", this item is grayed-out.
"Proxy Server Password"	A text box is provided. The string must be from 0 to 255 bytes with characters in ASCII codes (0x20 - 0x7E). 10 asterisks (*) are displayed when "Proxy Server Setting" is "Use".	- If "Proxy Server Setting" is "Do Not Use", this item is grayed-out.
"IPv6 Setting"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable"	-
"IPv6 Privacy Extension"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable"	- If "IPv6 Setting" is "Disable", this item is grayed-out.
"IPv6 DHCP Server Setting"	Two radio buttons are provided to choose one of the following: "Do Not Use" / "Use"	- If "IPv6 Setting" is "Disable", this item is greyed-out. - Only DHCPv6 support printers.
"IPv6 Address"	<p>You can set empty or in the IPv6 address with prefix. Use the following IPv6 address formats, if you want to set.</p> <ul style="list-style-type: none"> · xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx/prefix <p>"xxxx" is Hexadecimal for one to four digits.</p> <p>"prefix" is 1 - 128 in decimal.</p> <p>You can abbreviate the contiguous "xxxx" consisting of all "0" as "::" on one place in IPv6 address.</p> <p>Shows the error if it consists of following address part.</p> <p>"::/128"</p> <p>"::1/128"</p> <p>"FF00::/8"</p> <p>This item is need to enter if the item of IPv6 Address Default Gateway is entered.</p>	- If "IPv6 Setting" is "Disable", this item is greyed-out.
"IPv6 Address Default Gateway"	<p>You can set empty or in the IPv6 address. Use the following IPv6 address formats, if you want to set.</p> <ul style="list-style-type: none"> · xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx <p>"xxxx" is Hexadecimal for one to four digits.</p> <p>You can abbreviate the contiguous "xxxx" consisting of all "0" as "::" on one place in IPv6 address.</p> <p>Shows the error if it consists of following address part.</p> <p>"::/128"</p> <p>"::1/128"</p> <p>"FF00::/8"</p>	- If "IPv6 Setting" is "Disable", this item is greyed-out.
"IPv6 Link-Local Address"	A valid IPv6 link-local address is shown.	-
"IPv6 Stateful Address "	Shows a valid stateful IPv6 address.	- Only DHCPv6 support printers.
"IPv6 Stateless Address 1"	A valid IPv6 stateless address is shown.	-
"IPv6 Stateless Address 2"	A valid IPv6 stateless address is shown.	-
"IPv6 Stateless Address 3"	A valid IPv6 stateless address is shown.	-

"IPv6 Primary DNS Server"	<p>Set this item in the IPv6 address. Use one of the following formats. xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx "xxxx" indicates one to four digits in Hexadecimal. For "xxxx", the first "0" can be abbreviated, but at least one character is required. Repeated "xxxx" in one location of an IPv6 address that are all "0" can be abbreviated as "::". Shows an error if it includes any of the following address parts. "/128" ":1/128" "FF00::/8" If "IPv6 Primary DNS Server" is blank but a value has been entered for "IPv6 Secondary DNS Server", an error occurs. You can leave this field blank.</p>	- If "IPv6 Setting" is "Disable", this item is greyed-out.
"IPv6 Secondary DNS Server"	<p>Set this item in the IPv6 address. Use one of the following formats. xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx "xxxx" indicates one to four digits in Hexadecimal. Repeated "xxxx" in one location of an IPv6 address that are all "0" can be abbreviated as "::". Shows an error if it includes any of the following address parts. "/128" ":1/128" "FF00::/8" You cannot register other IPv6 DNS server addresses that have already been registered. You can leave this field blank.</p>	- If "IPv6 Setting" is "Disable", this item is greyed-out.
"IEEE802.11k/v"	Two radio buttons are provided to choose either of the followings: "Enable" / "Disable"	For wireless LAN option dongle models, display when the dongle is inserted in the main unit, and hide when not inserted. Displayed on models supporting the IEEE802.11k/v/r function.
"IEEE802.11r"	Two radio buttons are provided to choose either of the followings: "Enable" / "Disable"	For wireless LAN option dongle models, display when the dongle is inserted in the main unit, and hide when not inserted. Displayed on models supporting the IEEE802.11k/v/r function.
"Power Saving(Wi-Fi)"	Two radio buttons are provided to choose either of the following: "Enable" / "Disable"	When selected Built-in Wi-Fi mode: Always displayed. When selected Dongle mode: Displayed if attached Wi-Fi dongle.
<Wi-Fi Direct compatible models> "Frequency Range (Wi-Fi · Wi-Fi Direct)" <Wi-Fi Direct non-compatible models> "Frequency Range"	A dropdown list is provided to choose either of the following: "Auto" / "2.4 GHz" / "5 GHz"	When selected Built-in Wi-Fi mode: Displayed on models with 5GHz Wi-Fi chip. Not displayed on models with 2.4GHz Wi-Fi chip. When selected Dongle mode: Displayed with 5GHz dongle. Not displayed with 2.4GHz dongle.

9.3.1.1.3 Button

Table 9-23 Button

Items	Description
"Next"	If pressed, Web Config goes to the Confirm Wi-Fi/Network Settings page.

If Web Config recognizes an error in the entered value after the Next button is pressed, the following error pop-up is shown. If the entered value error occurs multiple times, a high priority is displayed.

Table 9-24 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the value entered in the text box is invalid. The item names of the corrected values are shown under the message in the left cell. If there are two or more items whose values were corrected, those items are listed line by line.
"The combination of IP Address and Subnet Mask is incorrect." "All the bits in the host address part of the IP address cannot be set to 1."	This message is displayed if all of the bits in the host address portion of the IP address are 1.
"The combination of IP Address and Subnet Mask is incorrect." "All the bits in the host address part of the IP address cannot be set to 0."	This message is displayed if all of the bits in the host address portion of the IP address are 0.
"The combination of Default Gateway and Subnet Mask is incorrect." "All the bits in the host address part of the Default Gateway cannot be set to 1."	This message is displayed if all of the bits in the host address portion of the Default Gateway are 1.
"The combination of Default Gateway and Subnet Mask is incorrect." "All the bits in the host address part of the Default Gateway cannot be set to 0."	This message is displayed if all of the bits in the host address portion of the Default Gateway are 1.
"The combination of IP Address, Subnet Mask and Default Gateway is incorrect." "IP Address and Default Gateway must be on the same network segment as defined by the Subnet Mask."	This message is shown in the following cases. A default gateway has been set, and the network part that indicates the subnet mask is different in the IP address and default gateway.

9.3.1.2 Confirm Page

9.3.1.2.1 Image

EPSON

Administrator Logout

StatusPrintNetworkNetwork SecurityProduct SecurityDevice Management

Basic

Wi-Fi

Wi-Fi Direct

Basic

Confirm the following settings.

Device Name :EPSONC7615C

Location :

Obtain IP Address :Auto

IP Address Printing :Enable

Set using BOOTP :Disable

Set using Automatic Private IP Addressing (APIPA) :Enable

DNS Server Setting :Auto

DNS Host Name Setting :Manual

DNS Domain Name Setting :Auto

Register the network interface address to Disable DNS :

Proxy Server Setting :Do Not Use

IPv6 Setting :Enable

IPv6 Privacy Extension :Disable

IPv6 DHCP Server Setting :Do Not Use

IPv6 Address :

IPv6 Address Default Gateway :

IPv6 Primary DNS Server :

IPv6 Secondary DNS Server :

Power Saving (Wi-Fi) :Enable

Frequency Range (Wi-Fi • Wi-Fi Direct) :Auto

Communication will be shut down temporarily to enable the new settings.
You cannot access the network immediately after the settings are changed.

OK

Back

Input Information

Button

Figure 9-9 Confirm Page

9.3.1.2.2 Input Information

Table 9-25 Input Information

Items	Description
"Confirm the following settings."	This message is shown at the top of the page, followed by the setting items and their values.
"Communication will be shut down temporarily to enable the new settings. You cannot access the network immediately after the settings are changed."	This message is shown at the bottom of the page.

9.3.1.2.3 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 9-26 Button

Items	Description
"OK"	This button is used to apply the entered values to the system shown on the Confirm Wi-Fi/Network Settings page. If pressed, Web Config goes to the Result page.
"Back"	This button is used to go back to the Wi-Fi/Network Settings page.

9.3.1.3 Result Page

The following figure shows the page that is displayed after the network settings are processed. The content of the Result page will vary based on the result (success or failure).

9.3.1.3.1 Image

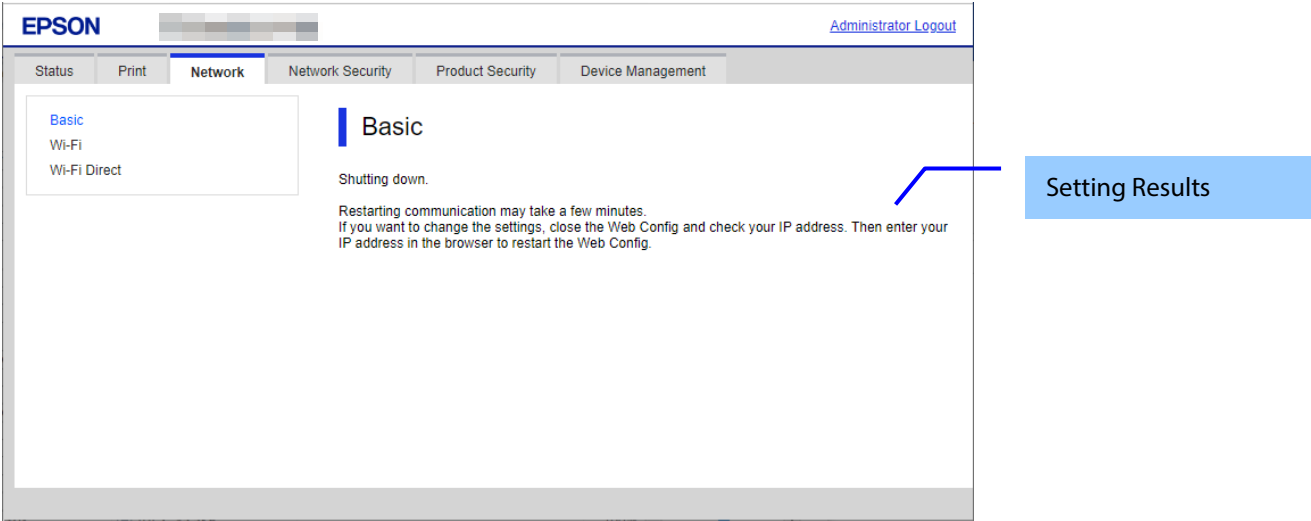


Figure 9-10 Result Page

9.3.1.3.2 Setting Result

Table 9-27 Setting Result

Items	Description
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown if Wi-Fi/Network setup is successful.
"Setup failed."	This message is shown if Wi-Fi/Network setup fails.

9.3.2 Wi-Fi

Only models that support wireless LAN are displayed.

9.3.2.1 Top Page

9.3.2.1.1 Image

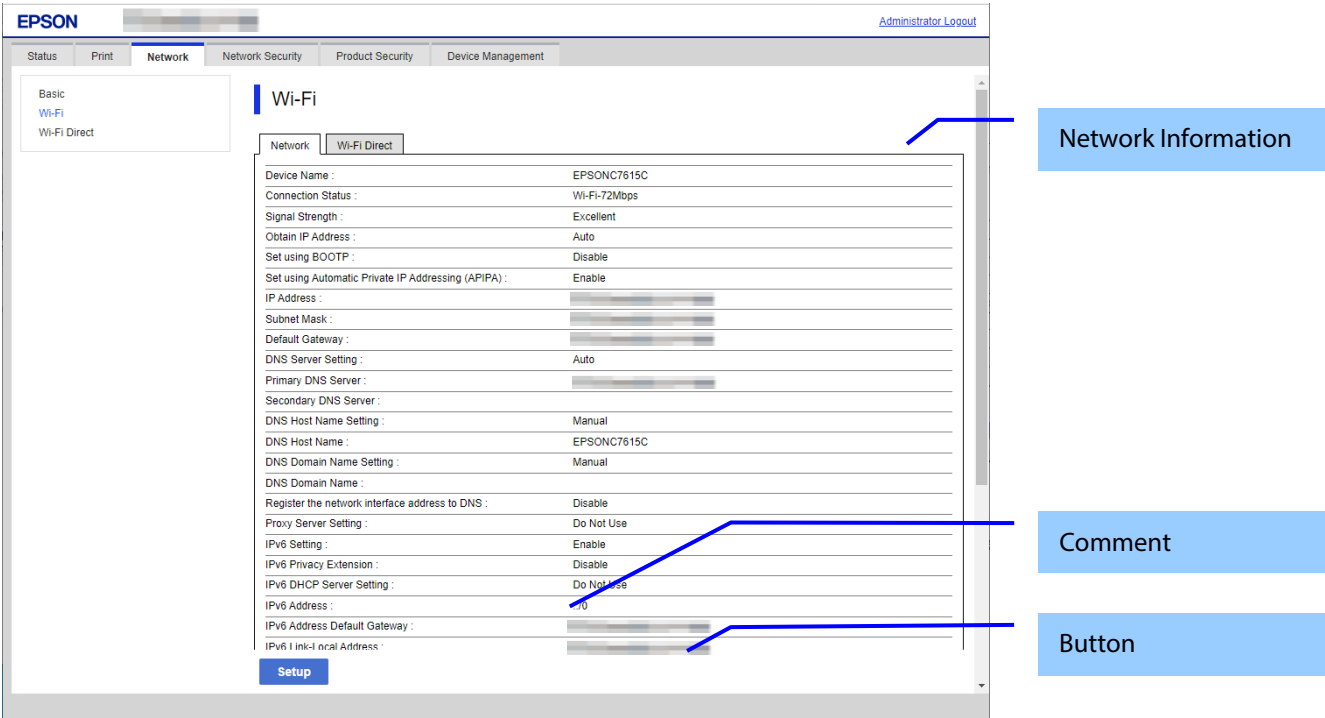


Figure 9-11 Wi-Fi Setup Top Page

9.3.2.1.2 Network Information

Display same contents as Network Status of Status tab.

9.3.2.1.3 Comment

The following table shows some comments.

Table 9-28 Comment

Comment	Description
"Wi-Fi is enabled. "	Is displayed above button when Wi-Fi is enabled.
"Wi-Fi is disabled "	Is displayed above button when Wi-Fi is disabled.

9.3.2.1.4 Button

The following buttons are supported.

Table 9-29 Button

Items	Description	Condition
"Change Wi-Fi Settings"	This button is used to begin Wi-Fi setup. If pressed, Web Config makes transition to the SSID Search page.	This item is displayed when Wi-Fi is enabled.
"Disable Wi-Fi"	This button is used to disable Wi-Fi. If pressed, Web Config shows a pop-up window with the OK/Cancel buttons. If the OK button is pressed on the pop-up, Web Config makes transition to the Setup Complete page. If the Cancel button is pressed, Web Config closes the pop-up.	This item is displayed when Wi-Fi is enabled.
"Enable Wi-Fi"	This button is used to enable Wi-Fi.	This item is displayed when Wi-Fi is disabled.

9.3.2.1.5 Confirmation Popup

When the Disable Wi-Fi button is pressed, Web Config shows a confirmation pop-up to confirm whether the user really wants to disable Wi-Fi. "Disable Wi-Fi?" is displayed on the pop-up.

9.3.2.2 SSID Search Page

9.3.2.2.1 Image

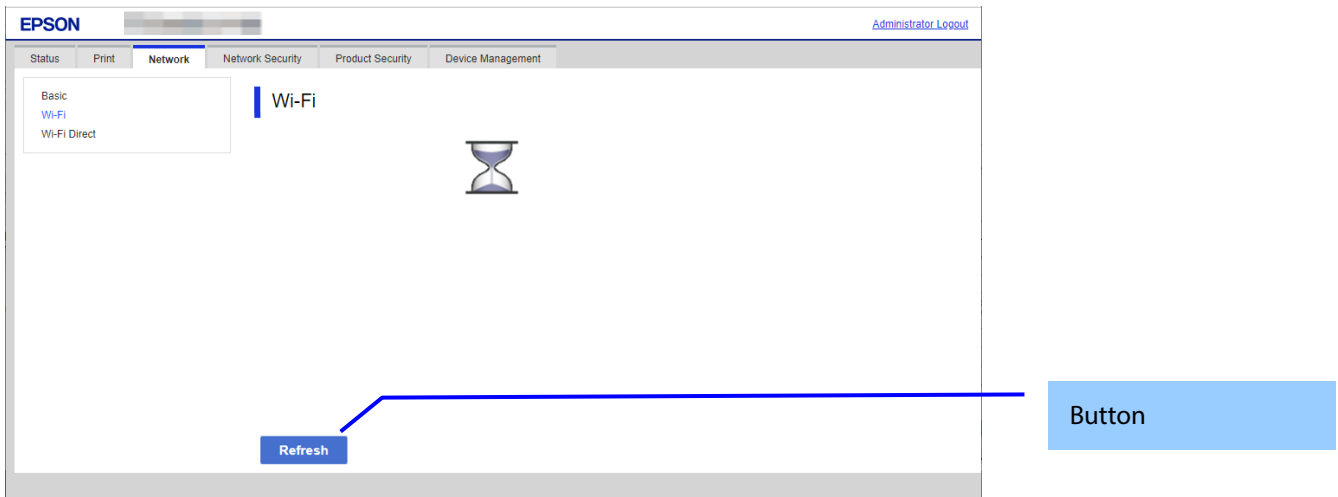


Figure 9-12 SSID Search Page

9.3.2.2.2 Button

Table 9-30 Button

Items	Description
"Refresh"	After the Refresh button is pressed, Web Config goes to the Wi-Fi Settings page if an SSID search has been completed. If an SSID search has not been completed, Web Config remains on the SSID Search page.

9.3.2.3 Wi-Fi Settings Page

If the Web Config confirms periodically that an SSID search has been done triggered by transition to this page or pressing the Refresh button, it goes to the Wi-Fi Settings page as below. You can choose a SSID on the searched SSID list by choosing a radio button or choose a radio button to specify any SSID manually.

9.3.2.3.1 Image

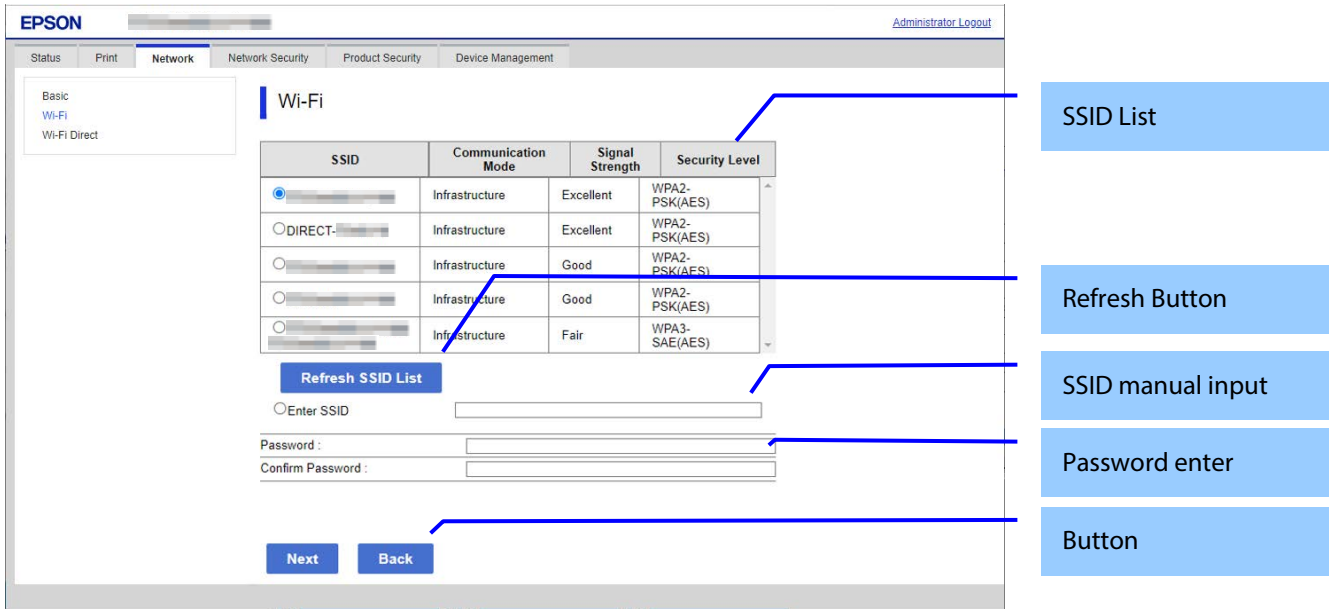


Figure 9-13 Wi-Fi Settings Page

9.3.2.3.2 SSID List

You can choose an SSID from the list of searched SSIDs as shown below. A list of up to 15 searched SSIDs (with up to 10 infrastructure mode SSIDs) regardless of coordination mode (Infrastructure or ad hoc) and sorted by signal strength level (strong -> weak).

Table 9-31 SSID List

Items	Description	Condition
"SSID"	Shows the name of each SSID.	-
"Communication Mode"	Shows one of the following communication modes: "Infrastructure"	-
"Signal Strength"	Shows one of the following signal strengths: "Excellent" / "Good" / "Fair"	Displays only models equipped with Wi-Fi chip.
"Security Level"	Shows one of the following security levels: "None" / "WPA-PSK(TKIP)" / "WPA2-PSK(AES)" "WPA3-SAE(AES)" / "Unknown"	-

9.3.2.3.3 SSID Manual Input

You can specify any SSID manually.

Table 9-32 SSID Manual Input

Items	Description
"Enter SSID"	A text box is provided so the user can enter an SSID manually. The string must have 1 to 32 characters (ASCII codes: 0x20 - 0x7E).

9.3.2.3.4 Refresh Button

The Refresh button provides the user with the updated SSID list.

Table 9-33 SSID Refresh Button

Items	Description
"Refresh SSID List"	If pressed, Web Config shows the SSID Search page.

9.3.2.3.5 Password Entering

Table 9-34 Password Entering

Items	Description
"Password"	A text box is provided. The string must have 1, 5, or 8 to 63 characters (ASCII codes: 0x20 - 0x7E). The entered values are masked by ^{1,96,†} .
"Confirm Password"	Same as Security Key.

9.3.2.3.6 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 9-35 Button

Items	Description
"Next"	This button is used to go forward with Wi-Fi Setup based on the values entered on the Wi-Fi Setup page. If pressed, Web Config goes to the Confirmation page without applying the changes.
"Back"	If pressed, Web Config discards the entered values and goes to the top page of Wi-Fi Setup.

When the “Apply” button is pressed, Web Config displays a pop-up window that shows the following message if it recognizes an error in the entered value.

Table 9-36 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the value entered for SSID, Password, or Confirm Password is invalid. The item names of the invalid values are shown under the message in the left cell. If there are two or more items whose values were invalid, those items are listed line by line.
"Passwords you entered do not match."	This message is shown if the values entered for Password and Confirm Password do not agree.

9.3.2.4 Confirm Wi-Fi Setup Page

9.3.2.4.1 Image

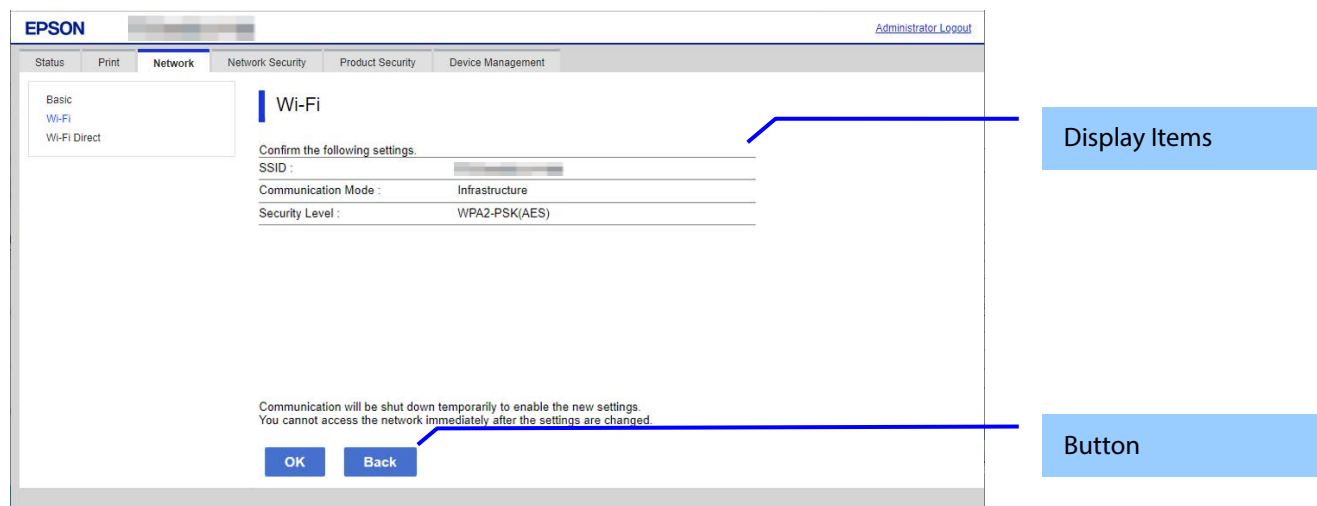


Figure 9-14 Confirm Wi-Fi Setup Page

9.3.2.4.2 Display Items

Table 9-37 Display Items

Items	Description
"Confirm the following settings."	This message is shown at the top of the page.
"SSID"	The value entered on the Wi-Fi Setup page is shown.
"Communication Mode"	The value entered on the Wi-Fi Setup page is shown.
"Security Level"	The value entered on the Wi-Fi Setup page is shown.
"Communication will be shut down temporarily to enable the new settings. You cannot access the network immediately after the settings are changed."	This message is shown at the bottom of the page.

“Security Level” is determined by the values on the Wi-Fi Setting page.

Table 9-38 Value for Security Level

the values of Wi-Fi Setting page			Security Level of Confirm Wi-Fi Setup Page
SSID	Security Level of selected SSID	Length of Security Level	
- Select "Enter SSID".	-	0	"None"
		Others	"Unknown"
- Select from list.	- "Unknown"	0	"None"
		Others	"Unknown"
	- Others	-	- Select Security Level

9.3.2.4.3 Button

There is a button to proceed to Wi-Fi Setup based on the values entered on the Confirm Wi-Fi Setup page, and a button to go back to the previous page.

Table 9-39 Button

Items	Description
"OK"	This button is used to go forward with Wi-Fi Setup based on the values entered on the Confirm Wi-Fi Setup page. If pressed, Web Config goes to the Result page.
"Back"	If pressed, Web Config discards the entered values and goes to the Wi-Fi Settings page.

9.3.2.5 Result Page

9.3.2.5.1 Image

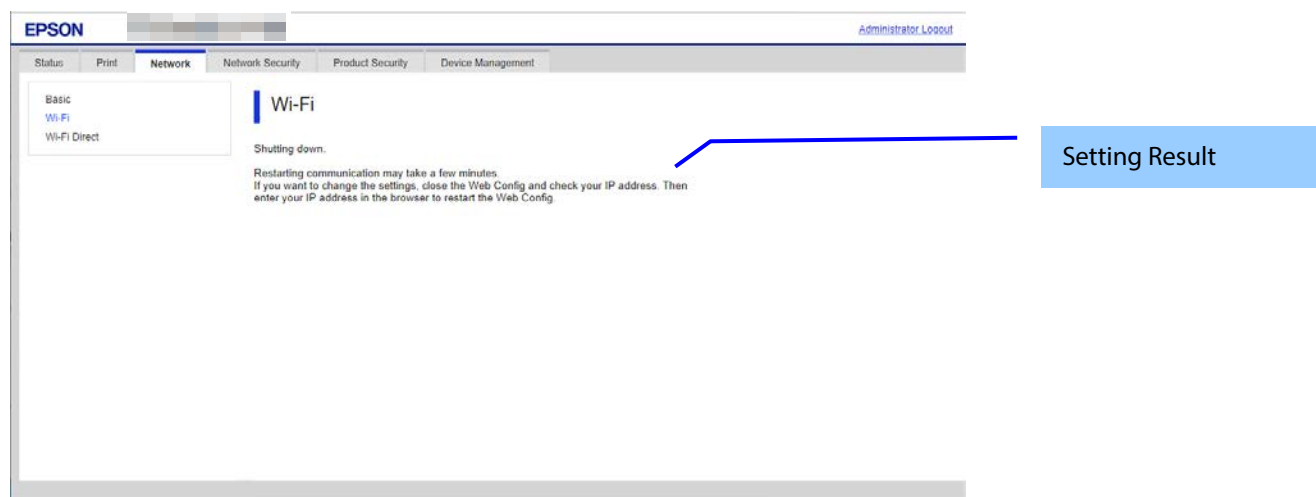


Figure 9-15 Result Page

9.3.2.5.2 Setting Result

Table 9-40 Setting Result

Items	Description
"Setup complete. Restarting communication may take a few minutes. If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown if setup is successful.
"Setup failed."	This message is shown if setup fails.

9.3.3 Wired LAN

Only models that support wired LAN are displayed.

9.3.3.1 Top page

9.3.3.1.1 Image

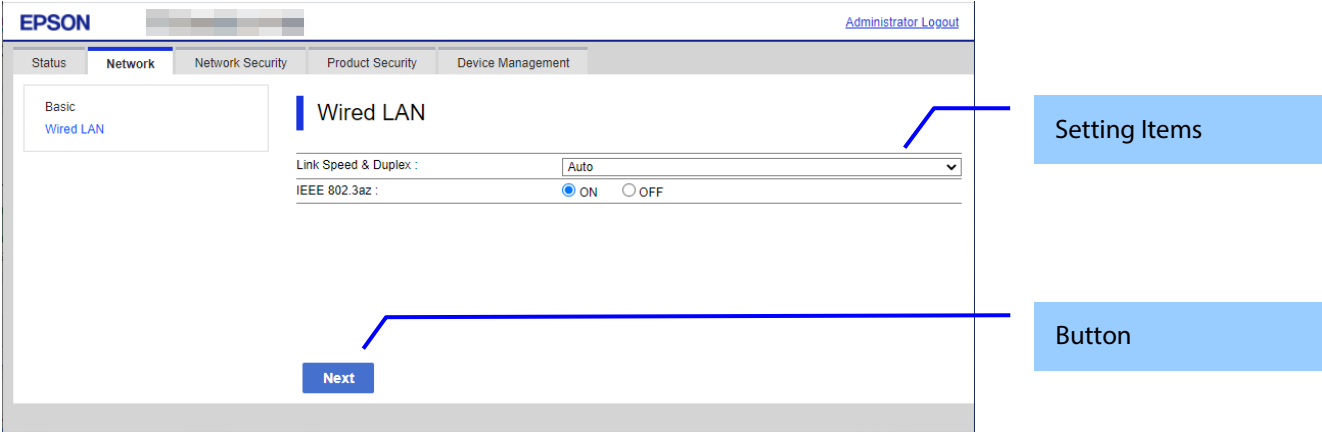


Figure 9-16 Top page

9.3.3.1.2 Setting Items

The following table shows the setting items in Wired LAN Settings.

Table 9-41 Setting Items

Items	Description	Condition
"Link Speed & Duplex"	A drop-down list is provided to choose one of the following: "Auto" / "10BASE-T Half Duplex" / "10BASE-T Full Duplex" / "100BASE-TX Half Duplex" / "100BASE-TX Full Duplex" / "100BASE-TX Auto"	Can be select "100BASE-TX Auto" if model is SoC12H.
"IEEE 802.3az"	Either "ON" / "OFF" can be chosen with a radio button.	This item is displayed on devices that support IEEE802.3az. (See NW Function Table.)

9.3.3.1.3 Button

The following table shows the setting button in Wired LAN Settings.

Table 9-42 Button

Items	Description
"Next"	If pressed, Web Config goes to the Confirm Wired LAN Settings page.

9.3.3.2 Confirm page

9.3.3.2.1 Image

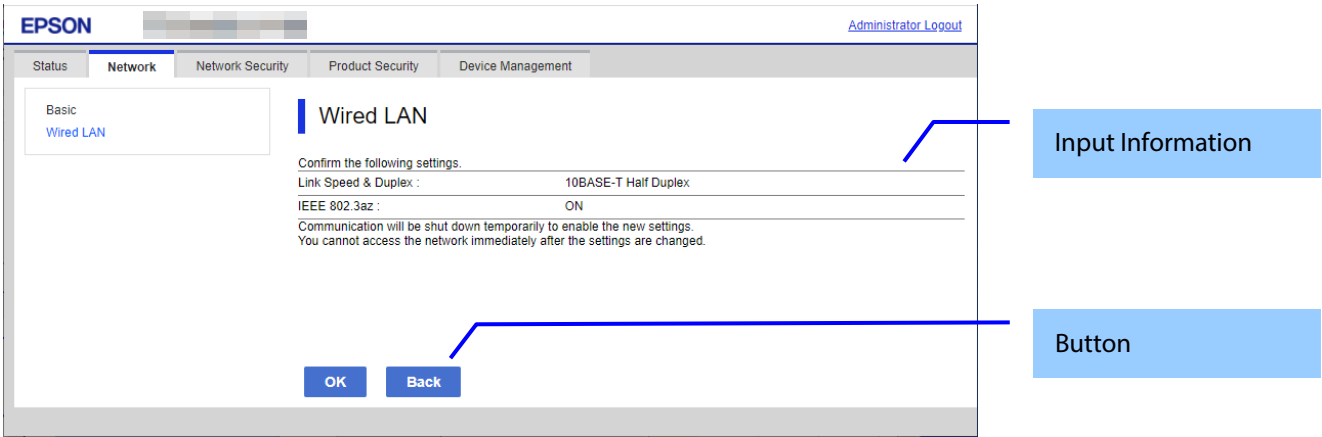


Figure 9-17 Confirm page

9.3.3.2.2 Input Information

Table 9-43 Input Information

Items	Description
"Confirm the following settings."	This message is shown at the top of the page, followed by the setting items and their values.
"Communication will be shut down temporarily to enable the new settings. You cannot access the network immediately after the settings are changed."	This message is shown at the bottom of the page.

9.3.3.2.3 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 9-44 Button

Items	Description
"OK"	This button is used to apply the entered values to the system shown on the Confirm Wired LAN Settings page. If pressed, Web Config goes to the Result page.
"Back"	This button is used to go back to the Wired LAN Settings page.

9.3.3.3 Result page

The following figure shows the page that is displayed after the network settings are processed. The content of the Result page will vary based on the result (success or failure).

9.3.3.3.1 Image

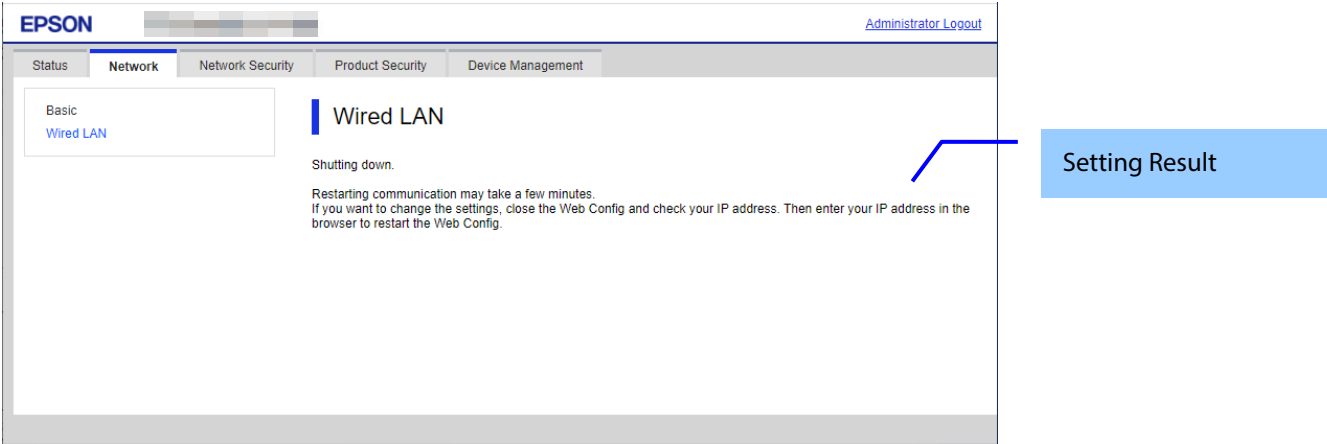


Figure 9-18 Result page

9.3.3.3.2 Setting Result

Table 9-45 Setting Result

Items	Description
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown if setup is successful.
"Setup failed."	This message is shown if Wi-Fi/Network setup fails.

9.3.4 Wi-Fi Direct

In the Wi-Fi Direct area, you can confirm the information for the Wi-Fi Direct connection and change the settings. Only models that support wireless LAN are displayed.

9.3.4.1 Top Page

9.3.4.1.1 Image

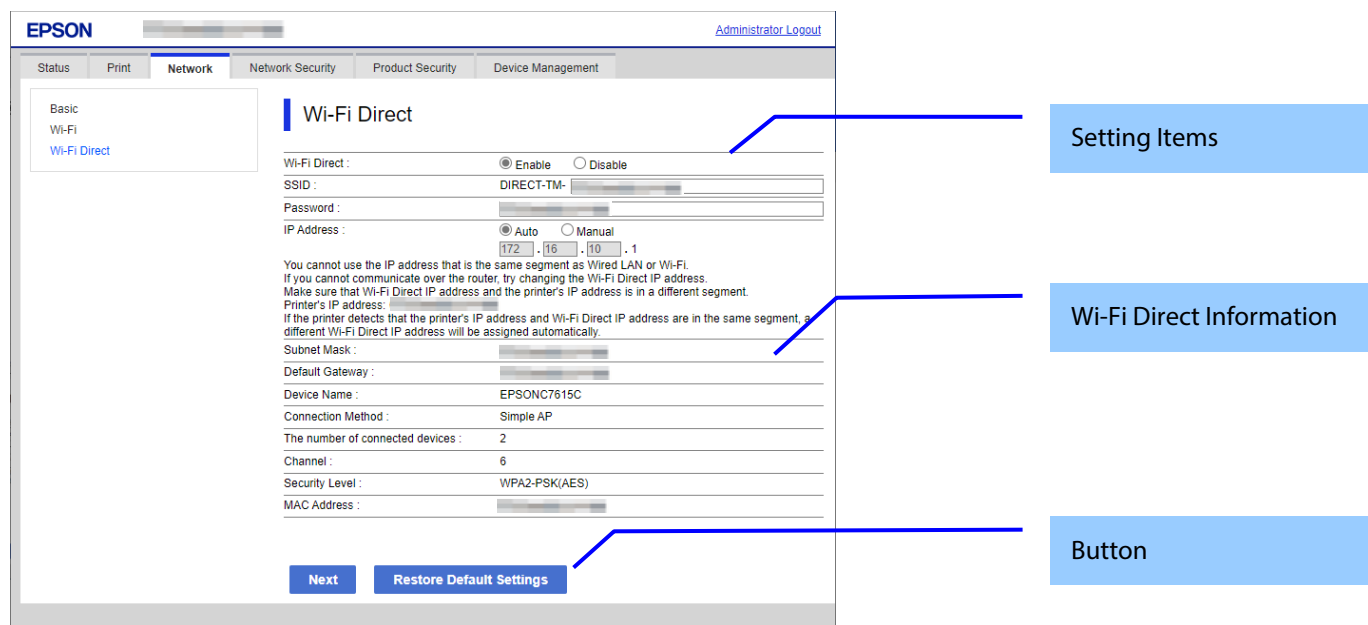


Figure 9-19 Top Page

9.3.4.1.2 Setting Items

The following table shows the items that can be set.

Table 9-46 Setting Items

Items	Description	Condition
"Wi-Fi Direct"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable" If you select "Disable", Wi-Fi Direct (Simple AP) is disabled. If you select "Enable", Wi-Fi Direct (Simple AP) is enabled.	-
"SSID"	Enter 0-22 0x20-0x7F ASCII characters in the text box. "DIRECT-TM-" is displayed as a fixed character string in front of the text box. "DIRECT-TM-" + the character string entered in this text box becomes the SSID name.	Displays only models equipped with Wi-Fi chip.
"Password"	The user can set a password for Wi-Fi Direct. 8 ~ 22 characters in ASCII.	This item is enabled when "Wi-Fi Direct" is "Enable", if it isn't supported other than Wi-Fi chips.
"Frequency Range"	Drop-down list is provided to choose either of the following: "2.4 GHz" / "5 GHz"	This item is displayed for models that use Wi-Fi chip.

<p>"IP Address"</p>	<p>Two radio buttons are provided to choose one of the following: "Auto" / "Manual"</p> <p>When "manual" is selected, a text box for entering an IP address is displayed. There are three input fields for entering the 8-bit delimiter of the IP address in decimals. The final byte is fixed as "1". "." is displayed between each input fields. If Wi-Fi Direct is enabled, the default value is displayed for the operation value. When it is disabled, the default value is displayed for the setting value if the IP address is set manually. Otherwise, it is blank.</p> <p>A value from 0 to 255 can be entered for each text box. Perform the following check for values that are entered for the IP address. "0.0.0.1"~"0.255.255.1" Loopback address ("127.0.0.1"~"127.255.255.1") Class D address ("224.0.0.1"~"239.255.255.1") Class E address ("240.0.0.1"~"255.255.255.1")</p> <p>A check is also performed for conflicts with IP addresses on wired LAN or wireless LAN (Wi-Fi). If there is an error, it will be displayed in a pop-up window. However, this check is not performed if there is no connection. (The check is performed for up to the 2nd byte of the IP address on wired or wireless LAN.)</p>	<p>If "Wi-Fi Direct" is "Disable", this item is grayed out. The text box is grayed out if the setting is Auto.</p>
<p>"You cannot use the IP address that is the same segment as Wired LAN or Wi-Fi. If you cannot communicate over the router, try changing the Wi-Fi Direct IP address. Make sure that Wi-Fi Direct IP address and the printer's IP address is in a different segment. Printer's IP address: %s If the printer detects that the printer's IP address and Wi-Fi Direct IP address are in the same segment, a different Wi-Fi Direct IP address will be assigned automatically."</p>	<p>Fixed character string displayed in the IP address setting items. "%s" indicates the IP address for the current wired LAN or Wi-Fi.</p>	<p>-</p>

9.3.4.1.3 Wi-Fi Direct Information

The content is the same as the description for the confirmation of the network information.

9.3.4.1.4 Button

The following table shows the buttons on the page.

Table 9-47 Button

Items	Description	Condition
"Next"	This button is for going to the confirmation page.	-
"Delete"	If the pop-up warning "Delete the device registration(s)?" appears and you press the OK button, the deleted results page will be displayed. If Cancel button is pressed, pop-up warning is deleted. Description of the function will appear above the button. "You can delete registered device information on the product."	Not displayed when "Restore Default Settings" button is displayed.
"Restore Default Settings"	If pressed, Web Config restores the setting values to the factory defaults.	This item is displayed for models that use the Wi-Fi chip.

When the "OK" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 9-48 Error Pop-up

Items	Description
"Invalid value below."	Shows a warning when a value is entered incorrectly.

9.3.4.2 Confirm Page

9.3.4.2.1 Image

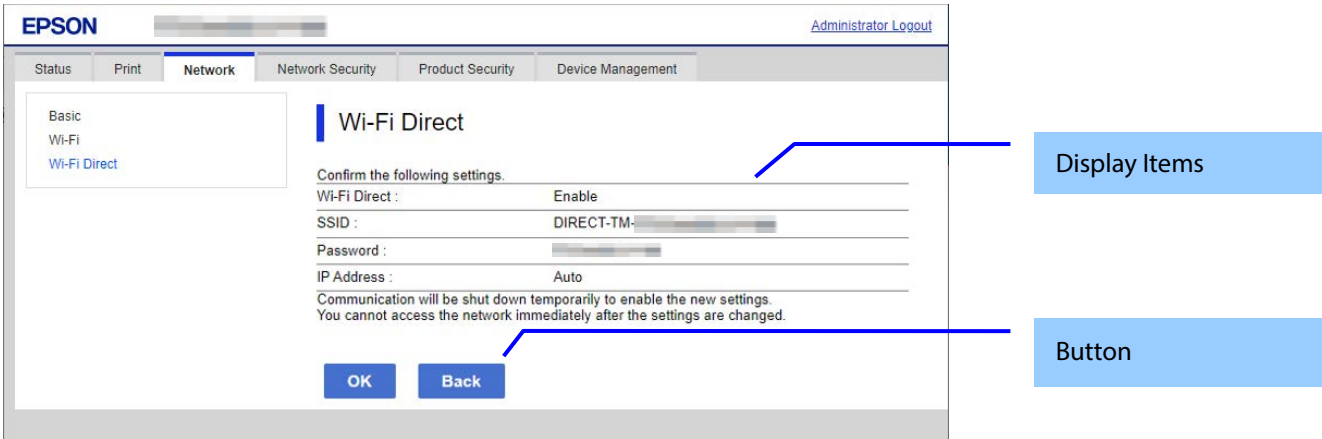


Figure 9-20 Confirm Page

9.3.4.2.2 Display Items

The settings that were entered on the previous page are shown for confirmation after the “Change the following settings” message. The following message is shown below the confirmed settings: “Communication will stop temporarily to enable the new settings. You will not be able to access the network immediately after the settings are changed.” If “Wi-Fi Direct” and “Wireless LAN Access Point” are both enabled, the following cautionary statement will be displayed: “The following settings will be disabled.
- Network > Tethering > Wi-Fi > Wireless LAN Access Point”

9.3.4.2.3 Button

The following table shows the buttons on the page.

Table 9-49 Button

Items	Description
"OK"	- Button at the bottom of the main frame to perform settings.
"Back"	- Button at the bottom of the main frame to go back to the previous page.

9.3.4.3 Result Page

The result page is shown in the main frame after the “OK” button is pressed. An error page is shown when Wi-Fi LAN mode is set to IEEE802.11g in the printer. The page is shown when “Delete” is pressed on the previous page.

9.3.4.3.1 Image

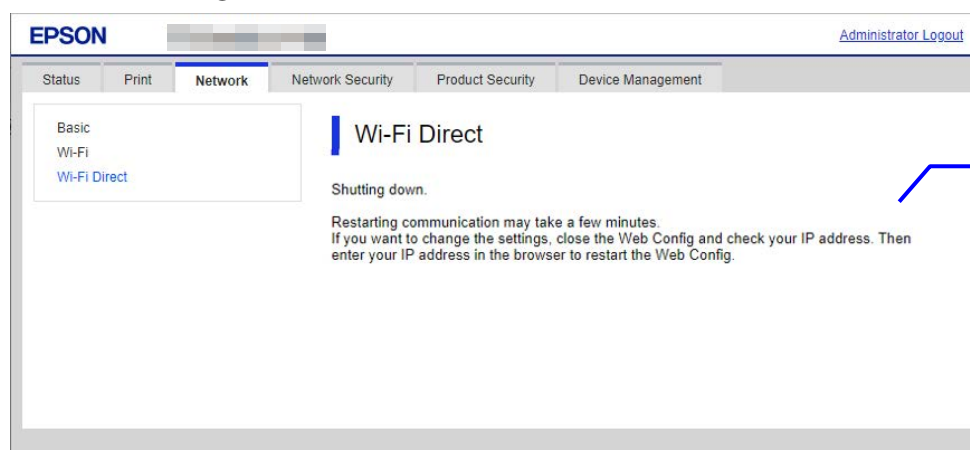


Figure 9-21 Result Page

9.3.4.3.2 Setting Result

Table 9-50 Setting Result

Items	Description	Condition
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	Displays a fixed string.	This text is shown if setup is successful.
"SSID"	Same content as SSID in Advanced Settings > Wi-Fi Direct is displayed under same conditions.	This item is displayed when "Wi-Fi Direct" is "Enable". [TM-S1000II-NW] : Not displayed.
"Password"	Same content as Password in Advanced Settings > Wi-Fi Direct is displayed under same conditions.	This item is displayed when "Wi-Fi Direct" is "Enable". [TM-S1000II-NW] : Not displayed.
"You can connect to a wireless LAN access point by scanning the two-dimensional code."	Displays a fixed string and a QR code below it.	This item is displayed when "Wi-Fi Direct" is "Enable". [TM-S1000II-NW] : Not displayed.

9.4 Network Security

9.4.1 Protocol

9.4.1.1 Top Page

9.4.1.1.1 Image

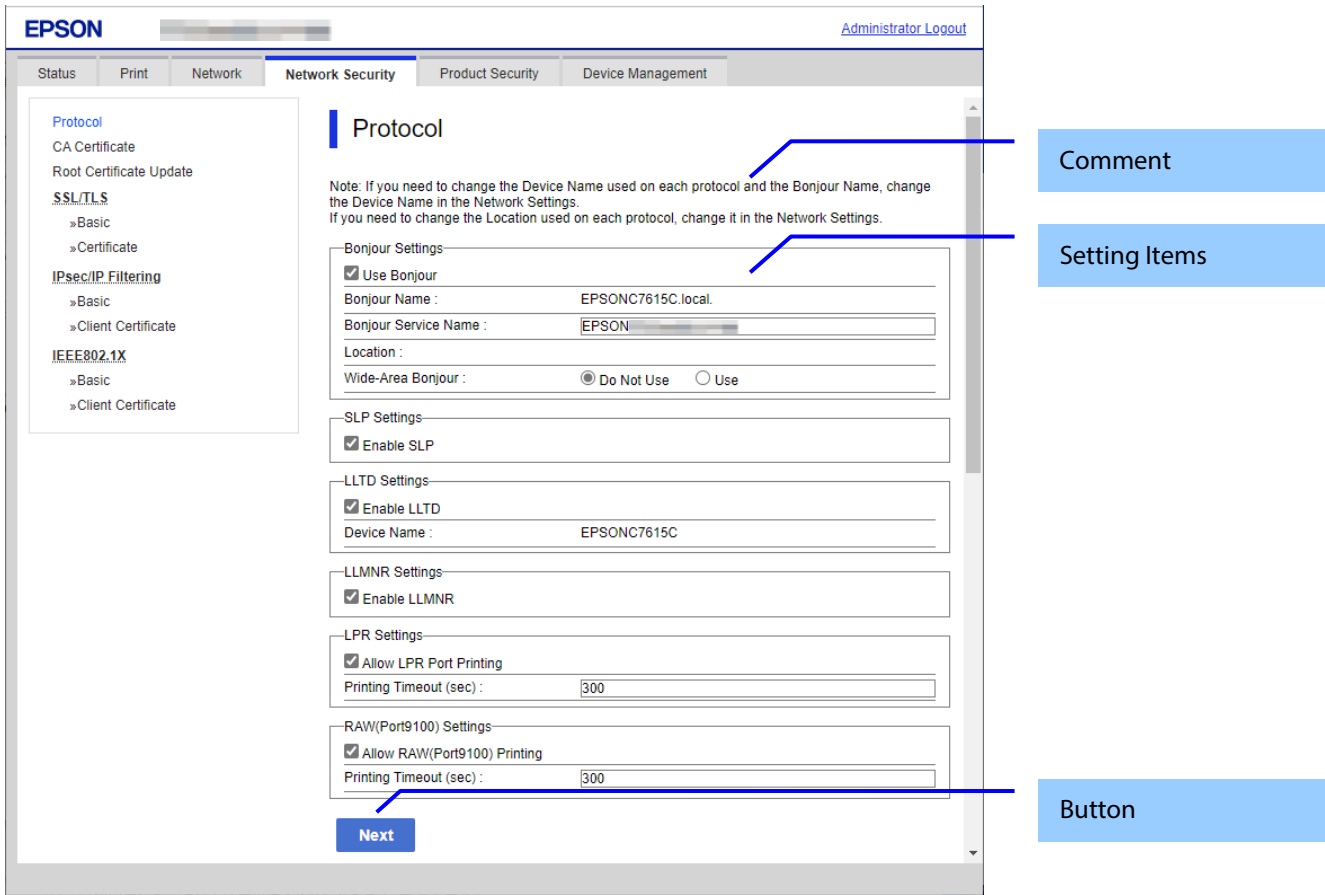


Figure 9-22 Top Page

9.4.1.1.2 Comment

Table 9-51 Comment

Comment	Description
"Note: If you need to change the Device Name and Bonjour Name used for each protocol , change the Device Name in the Network Settings. If you need to change the Location used for each protocol, change it in the Network Settings."	–Fixed Strings

9.4.1.1.3 Setting Items

Table 9-52 Setting Items

Items	Description	Condition
"Bonjour Settings"	Title	-
"Use Bonjour"	Use the check box to choose whether or not to use Bonjour.	-
"Bonjour Name"	Shows the bonjour name, consisting of the device name and '.local'.	Read only
"Bonjour Service Name"	Use the edit box to set the bonjour service name. The string must have up to 41 alphanumeric characters (0x20 ~ 0x7E).	Can be entered when "Use Bonjour" is checked.
"Location"	Shows the locations that use Bonjour protocol.	Read only
"Top Priority Protocol"	Use the drop-down list to choose the following options. "Port9100"	Only RAW (Port9100) support products. Can be entered, when "Use Bonjour" is checked.

"iBeacon Settings"	Title	Only printers that support iBeacon.
"Enable iBeacon Transmission"	Use the check box to choose whether or not to enable iBeacon .	Only iBeacon support printers.
"SLP Settings"	Title	-
"Enable SLP"	Use the check box to choose whether or not to enable SLP.	-
"WSD Settings"	Title	-
"Enable WSD"	Use the check box to choose whether or not to enable WSD.	-
"Scanning Timeout (sec)"	Use the edit box to set the timeout for WSD. (3 ~ 3600 seconds)	Can be entered, when "Enable WSD" is checked. Only printers that support WSD Scan.
"Device Name"	Shows the device name using WSD. The value can be changed from Wi-Fi/Network setup.	Read only
"Location"	Shows the locations that use WSD. The value can be change from the Wi-Fi/Network setup.	Read only
"LLTD Settings"	Title	-
"Enable LLTD"	Use the check box to choose whether or not to enable LLTD.	-
"Device Name"	Shows the device names that use LLTD. The value can be changed from Wi-Fi/Network setup.	Read only
"LLMNR Settings"	Title	-
"Enable LLMNR"	Use the check box to choose whether or not to enable LLMNR.	-
"LPR Settings"	Title	Only printers that support LPR.
"Allow LPR Port Printing"	Use the check box to choose whether or not to allow LPR port printing	Only LPR support printer.
"Printing Timeout (sec)"	Use the edit box to set the timeout for LPR port printing (0 ~ 3600 seconds)	Only LPR support printer. Can be entered, when "Allow LPR Port Printing" is checked.
"RAW (Port9100) Settings"	Title	Only printers that support RAW (Port9100).
"Allow RAW(Port9100) Printing"	Use the check box to choose whether or not to allow RAW port printing	Only RAW(Port9100) support printer.
"Printing Timeout (sec)"	Use the edit box to set the timeout for RAW port printing (0 ~ 3600 seconds)	Only printers that support RAW (Port9100). Can be entered, when "Allow RAW (Port9100) Printing" is checked.
"RAW(Custom Port) Settings"	Title	Only RAW(Custom Port) support device.
"Allow RAW(Custom Port) Printing"	Use the check box to choose whether or not to allow RAW (Custom Port) printing.	Only RAW(Custom Port) support device.
"Port Number"	The user can set the port number. 2014 ~ 65535 (Except for 9100, 1865, 2968)	Only RAW(Custom Port) support device. Enabled when checked "Allow RAW(Custom Port) Printing".
"Printing Timeout(sec)"	Use the edit box to set the timeout for RAW (Custom Port) printing. (0 ~ 3600 sec)	Only RAW(Custom Port) support device. Enabled when checked "Allow RAW(Custom Port) Printing".
"Printer Name"	Use the check box to choose whether or not to allow RAW port printing	Only RAW(Port9100) support printer.
"Location"	Use the edit box to set the timeout for RAW port printing (0 ~ 3600 seconds)	Only printers that support RAW (Port9100). Can be entered, when "Allow RAW (Port9100) Printing" is checked.

"SNMPv1/v2c Settings"	Title	Only SNMPv3 support printer.
"Enable SNMPv1/v2c"	You can choose whether or not to enable SNMPv1/v2c using the check box.	This item is displayed when the device supports SNMPv3 function and not support SNMPv1/v2c Individual Setting.
"Enable SNMPv1"	You can choose whether to enable SNMPv1 using the check box.	This item is displayed when the device supports SNMPv1/v2c Individual Setting.
"Enable SNMPv2c"	You can choose whether to enable SNMPv2c using the checkbox.	This item is displayed when the device supports SNMPv1/v2c Individual Setting.
"Access Authority"	Use the drop-down list to choose the following options. "Read Only" / "Read/Write"	Only SNMPv3 support printer. Can be entered, when "Enable SNMPv1/v2c" is checked.
"Community Name(Read Only)"	Use the text box to set the Community Name (Read Only). 0 ~ 32 characters in ASCII	Only SNMPv3 support printer. Can be entered, when "Enable SNMPv1/v2c" is checked.
"Community Name(Read/Write)"	Use the text box to set the Community Name (Read/Write). 0 ~ 32 characters in ASCII	Only SNMPv3 support printer. Can be entered, when "Enable SNMPv1/v2c" is checked.
"Allow access from Epson tools"	"Allowed" / "Not Allowed" can be selected by radio button.	Only SNMPv3 support printer. Can be entered when "Enable SNMPv1/v2c" is checked. If the device can set SNMPv1/v2c individually, this item is enabled when each checkbox is selected.
"SNMPv3 Settings"	Title	Only SNMPv3 support printer.
"Enable SNMPv3"	Use the check box to choose whether or not to enable SNMPv3.	Only printers that support SNMPv3.
"User Name"	Use the text box to set the User Name. 1 ~ 32 bytes in UTF-8	Only printers that support SNMPv3. Can be entered, when "Enable SNMPv3" is checked.
"Authentication Settings"	Title	Only SNMPv3 support printer.
"Algorithm"	Use the drop-down list to choose the following options. "MD5" / "SHA-1"	Only SNMPv3 support printer. Can be entered, when "Enable SNMPv3" is checked.
"Password"	Use the text box to set the Password. 8 ~ 32 bytes, in ASCII and masked. If 10 asterisks (*) are entered when the password field is blank, the setting fails.	Only SNMPv3 support printer. Can be entered, when "Enable SNMPv3" is checked.
"Confirm Password"	Same as Password.	Same as Password.
"Encryption Settings"	Title	Only SNMPv3 support printer.
"Algorithm"	You can choose the following options using the pull-down list. "MD5" / "SHA-1" / "SHA-224" / "SHA-256" / "SHA-384" / "SHA-512"	Only SNMPv3 support printer. Can be entered, when "Enable SNMPv3" is checked. "SHA-224" / "SHA-256" / "SHA-384" / "SHA-512" will only appear when the RED feature is enabled.
"Password"	Use the text box to set the Password. 8 ~ 32 bytes, in ASCII and masked. If 10 asterisks (*) are entered when the password field is blank, the setting fails.	Only SNMPv3 support printer. Can be entered, when "Enable SNMPv3" is checked.
"Confirm Password"	Same as Password.	Same as Password.
"Context Name"	Use the text box to set the Context Name. 0 ~ 32 bytes in UTF-8	Only SNMPv3 support printer. Can be entered, when "Enable SNMPv3" is checked.
"ePOS-Print"	Title	This item is displayed on devices which have ePOS-Print Lite.
"Enable ePOS-Print"	User can select whether or not to enable SpectroProofer using the check box.	This item is displayed on devices which have ePOS-Print Lite.
"Version"	ePOS-Print version is displayed.	This item is displayed on devices which have ePOS-Print Lite.

"Device ID"	A-Z, a-z, 0-9 and underscore, period, and hyphen character. You can set the Device ID using the text box.	This item is displayed on devices which have ePOS-Print Lite. This item is enabled when "Enable ePOS-Print" is checked.
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9.4.1.1.4 Button

The following table shows the buttons on the page.

Table 9-53 Button

Items	Description
"Next"	The button for going to the confirmation page is at the bottom of the main frame. For RED-compliant printers, a security warning pop-up will appear before transitioning to the confirm entry page.

When the "Next" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 9-54 Error Pop-up

Items	Description
"Invalid value below." "-WSD Settings > Timeout"	Shows a warning when a value is entered incorrectly.
"Passwords you entered do not match." "-SNMPv3 Settings > "	When the password and the confirmation password do not match, this message is shown.

When the "Next" button is pressed, assuming there is no error in the input value and the following display conditions are met, a warning dialog is displayed.

Table 9-55 Dialog

Items	Description	Display Condition
"A blank space is included in the Bonjour Service Name. Wide-Area Bonjour may not work."	If OK button is pressed, Web Config makes transition to the confirmation page. If Cancel button is pressed, operation is canceled.	This message is shown if "Use Bonjour" is checked, "Wide-Area Bonjour"-"Use" are selected, and the input value of Bonjour Service Name includes one-byte space.

Table 9-56 Security warning pop-up

Items	Description
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	For RED-compliant printers, clicking the "Next" button will display a confirmation pop-up. "Top Priority Protocol" "Enable WSD" "LPR Settings" "RAW (Port9100) Settings" "RAW(Custom Port) Settings" "IPP Settings" "Enable FTP Server" "SNMPv1/v2c Settings" "SNMPv3 Settings"

9.4.1.2 Confirmation Page

9.4.1.2.1 Image

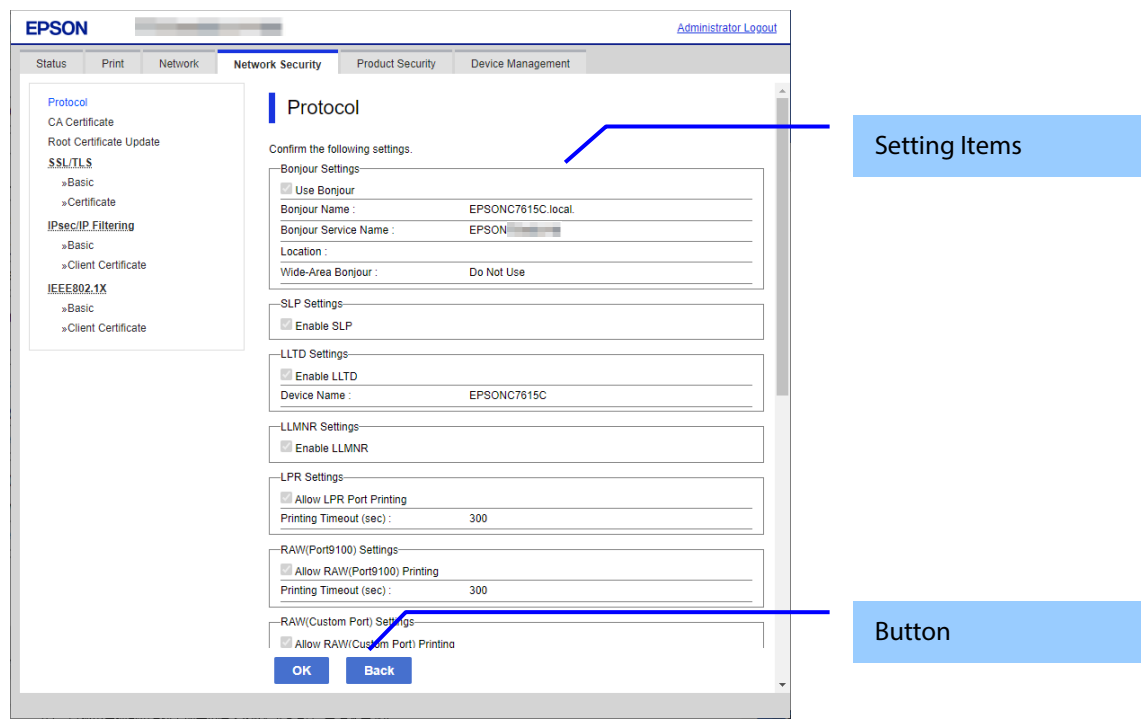


Figure 9-23 Confirmation Page

9.4.1.2.2 Setting Items

The settings entered on the previous page are shown for confirmation, after the message “Change the following settings”. The following message is shown below the confirmed settings.
“Communication will be shut down temporarily to enable the new settings.”
“ You will not be able to access the network immediately after the settings are changed.”

9.4.1.2.3 Button

The following table shows the buttons on the page.

Table 9-57 Button

Items	Description
"OK"	- Button at the bottom of the main frame to perform settings.
"Back"	- Button at the bottom of the main frame to go back to the previous page.

9.4.1.3 Result Page

9.4.1.3.1 Image

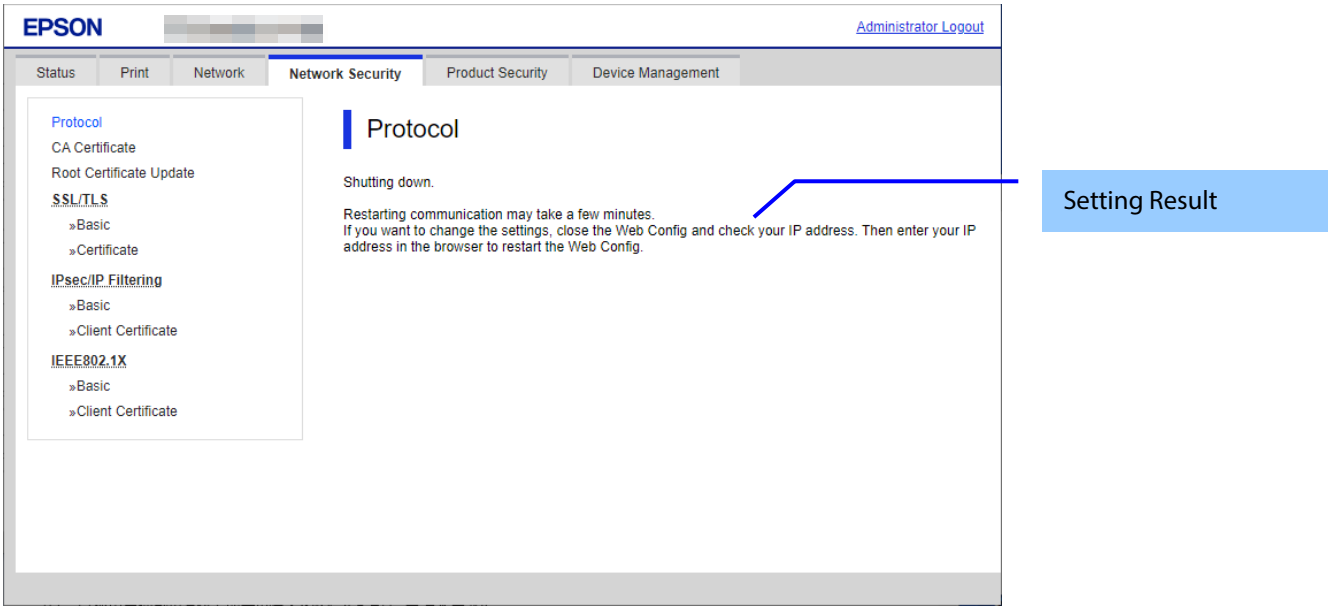


Figure 9-24 Result Page

9.4.1.3.2 Setting Result

Table 9-58 Setting Result

Items	Description
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	-This message is shown when the settings are completed. The network shuts down in order to update.
"Setup failed."	- This message is shown if the settings fail.

9.4.2 CA Certificate

9.4.2.1 Top Page

On the CA Certificate top page, you can import, display, and delete CA Certificate. If importing or deleting is successful, this page is shown. The following figure shows the layout of the CA Certificate top page.

9.4.2.1.1 Image

The following figure shows the layout of the top page.

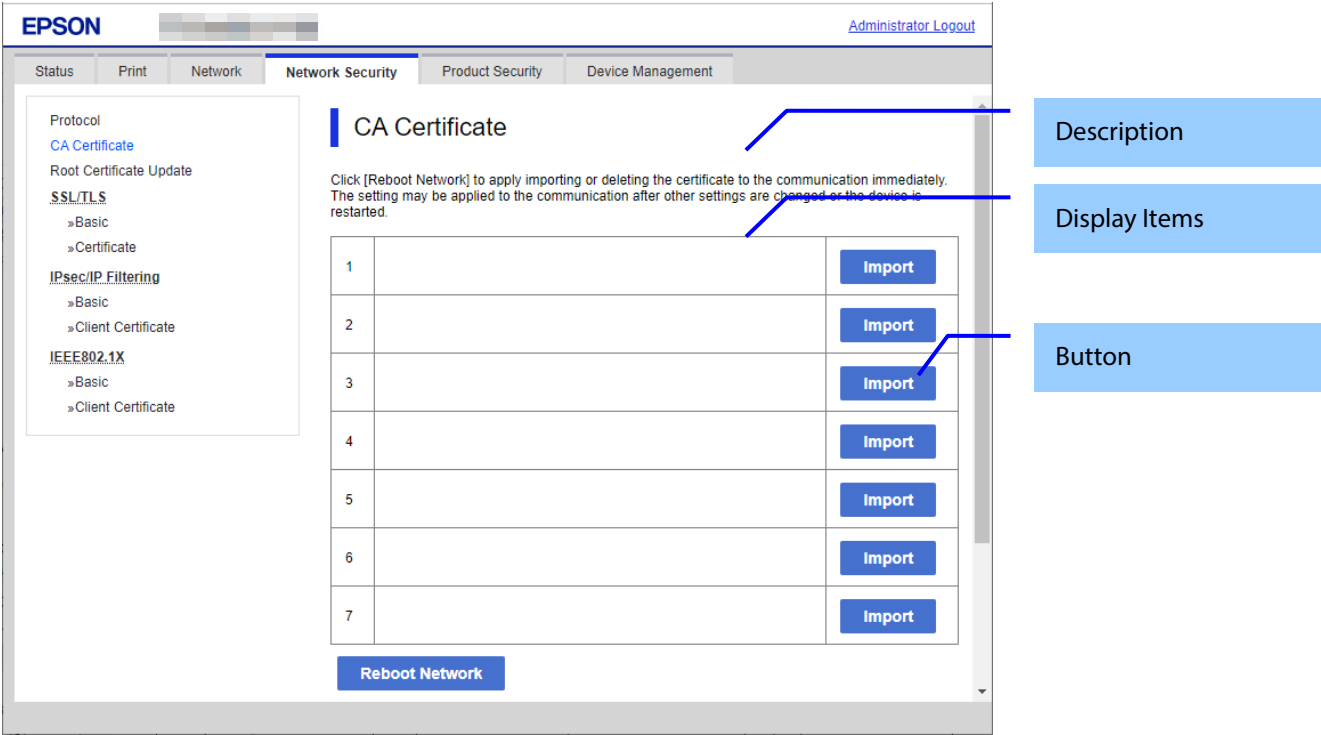


Figure 9-25 Top Page

9.4.2.1.2 Description Items

Table 9-59 Description

Items	Description
"Click [Reboot Network] to apply importing or deleting the certificate to the communication immediately."	Fixed Strings
"The setting may be applied to the communication after other settings are changed or the device is restarted."	Fixed Strings

9.4.2.1.3 Display Items

Table 9-60 Display Items

Items	Description
"1"	- Shows the content of the server certificate imported into the printer.
"2"	Same as above
"3"	Same as above
"4"	Same as above
"5"	Same as above
"6"	Same as above
"7"	Same as above
"8"	Same as above
"9"	Same as above
"10"	Same as above

9.4.2.1.4 Button

Table 9-61 Button

Items	Description	Condition
"Import"	Button used to import CA certificate	This button is shown when CA Certificate is not imported.
"Delete"	Button used to delete the imported CA certificate	This button is shown when CA Certificate is imported.
"Reboot Network"	Button used to reboot network functions	-

9.4.2.1.5 Delete

A pop-up window is shown when the "Delete" button in the CA certificate settings is pressed.
The following figure shows the layout of the page for deleting the CA certificate.

Table 9-62 Pop-up window

Items	Description
"The certificate of No. %d will be deleted."	Static strings
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	This is displayed for RED-compliant printers.

9.4.2.1.6 Reboot Network

A pop-up window is shown when the 'Reboot Network' button on the CA certificate page is pressed.
The following figure shows the layout of the reboot network page.

Table 9-63 Pop-up window

Items	Description
"The network will be rebooted." "Communication will be shut down temporarily."	Static strings.

9.4.2.2 Import Page

The page is shown after the 'Import' button is pressed.
The following figure shows the layout of the page for importing the CA certificate into the printer.

9.4.2.2.1 Image

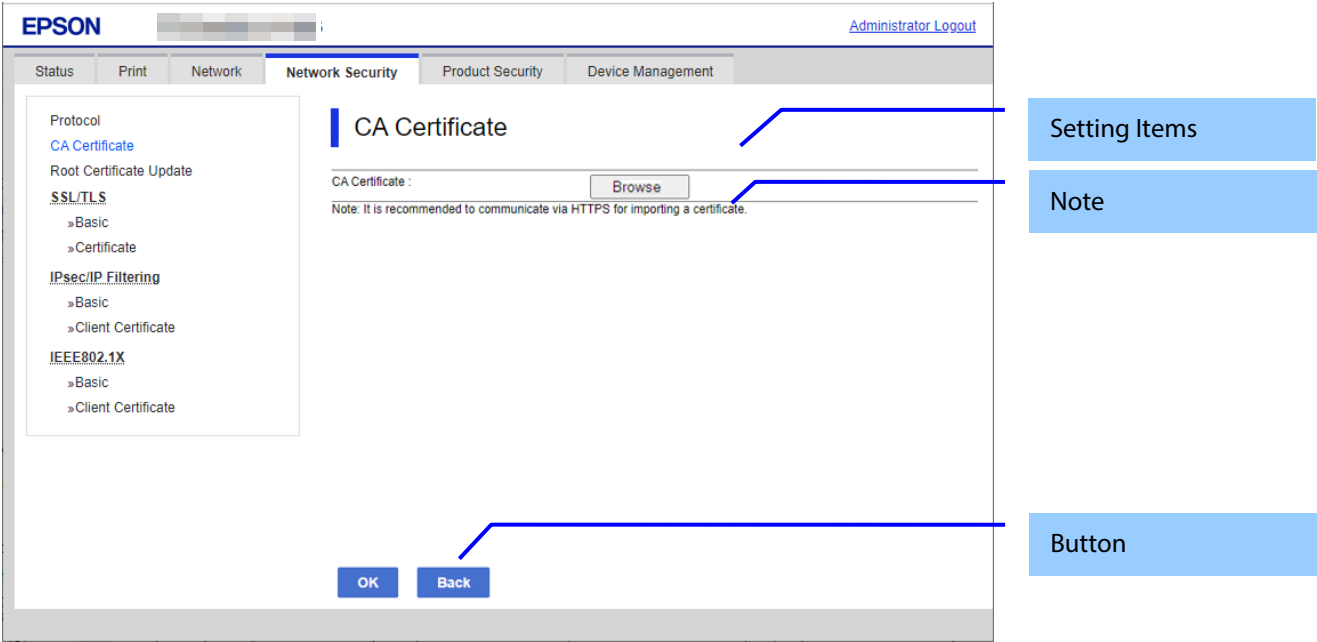


Figure 9-26 Import Page

9.4.2.2.2 Setting Items

Table 9-64 Setting Items

Items	Description
"CA Certificate"	-Enter the file of the CA certificate to import it into the printer. You can also use the file button to select the file.

9.4.2.2.3 Note

The following table shows the note on the CA Certificate Import page.

Table 9-65 Note

Items	Description
"CA Certificate"	You can input the file of the CA certificate for import into the printer. You can also select the file using file button.

9.4.2.2.4 Button

Table 9-66 Button

Items	Description
"OK"	Button at the bottom of the main frame to perform importing. After the "Import" button is pressed, Web Config displays one of the following pages depending on the result. - If importing is successful, the top page is shown in the main frame. - If importing fails, the result page is shown in the main frame. - If the entered value is invalid, a pop-up window is shown. - For RED-compliant printers, a security warning pop-up will appear before transitioning to the next page.
"Back"	Button at the bottom of the main frame for going back to the top page of the CA Certificate settings.

9.4.2.2.5 Error Pop-up Window

Table 9-67 Error Pop-up Window

Items	Description
"Select a CA Certificate."	This message is shown when the file of the CA certificate is not selected.

Table 9-68 Security warning pop-up

Items	Description
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	For RED-compliant printers, clicking the "Next" button will display a confirmation pop-up.

9.4.2.3 Result Page

After the "Import" button is pressed, the top page is shown in the main frame if importing is successful.
After the "Import" button is pressed, the result is shown in the main frame if importing fails.

9.4.2.3.1 Image

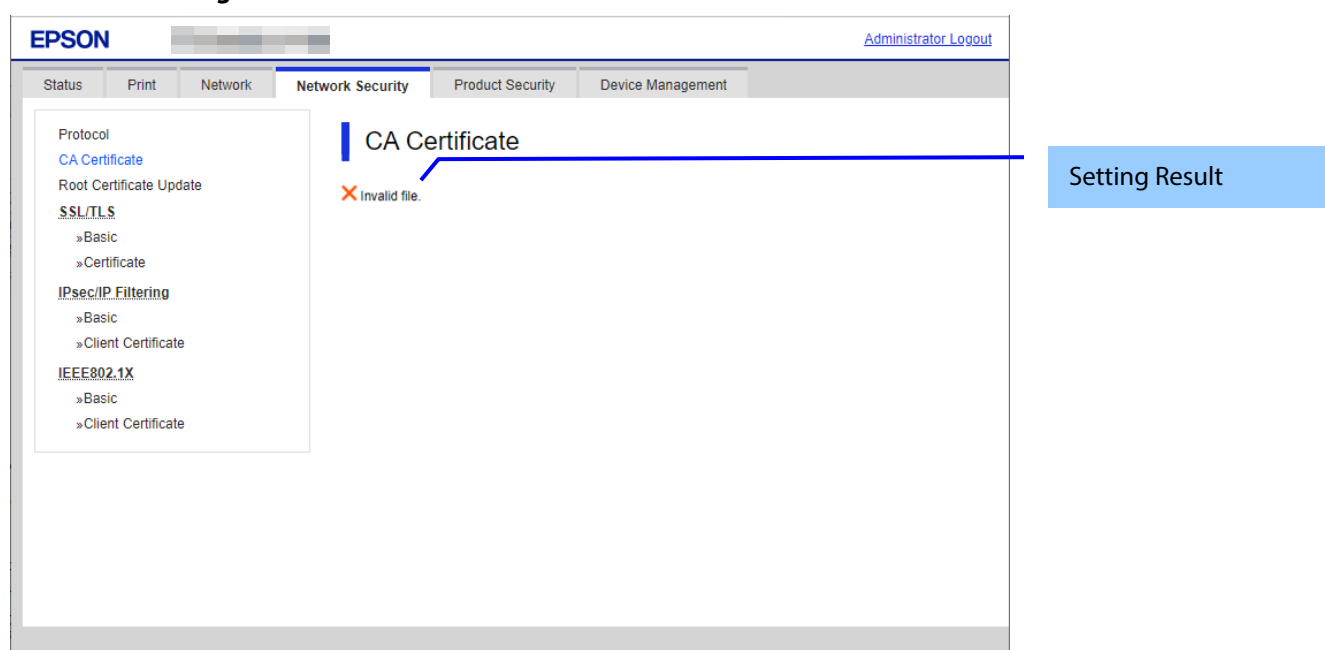


Figure 9-27 Result Page

9.4.2.3.2 Setting Result

Table 9-69 Result

Items	Description
"Invalid file."	This message is shown in the following cases. - The file uses an incorrect format or wrong interrelation. - The file size is greater than the stipulated range of 5k to 24k. (See the note.)
"Invalid date and time."	This message is shown when an expired certificate is imported, and the date and time are not set.
"The certificate has expired. Check if the certificate is valid, or check the date and time on the product."	This message is shown when an expired certificate is imported, and the date and time are already set.
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when network rebooting is successful.
"Setup failed."	This message is shown when importing or network rebooting fails.

Note: If the size of a certificate to be imported is larger than 24KBytes, the device is unable to read it and a Web browser error is shown.

9.4.3 Root Certificate Update

9.4.3.1 Top Page

The root certificate update function on the Web Config downloads a root certificate file from the server provided by Epson and updates the printer files.

9.4.3.1.1 Image

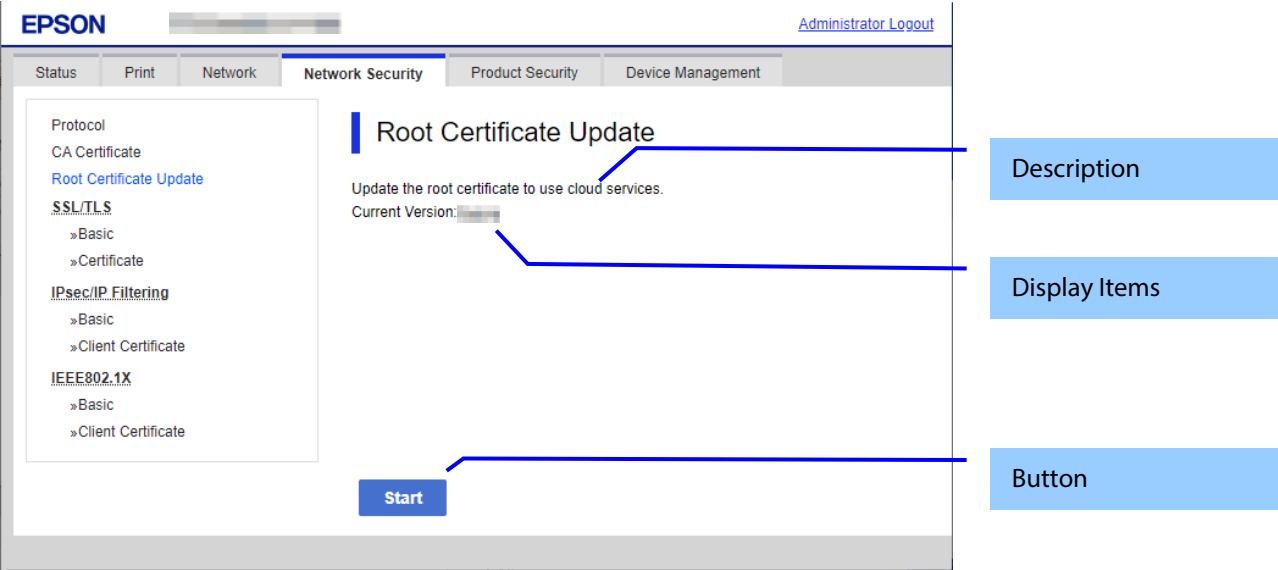


Figure 9-28 Top Page

9.4.3.1.2 Description

Table 9-70 Description

Items	Description
"Update the root certificate to use cloud services."	Fixed Strings

9.4.3.1.3 Display Items

Table 9-71 Display Items

Items	Description
"Current Version"	File version format: "MM.mm". "MM" means major version; "mm" means minor version.

9.4.3.1.4 Button

Table 9-72 Button

Items	Description
"Start"	Press to change to the progress page.

9.4.3.2 Progress Page

9.4.3.2.1 Image

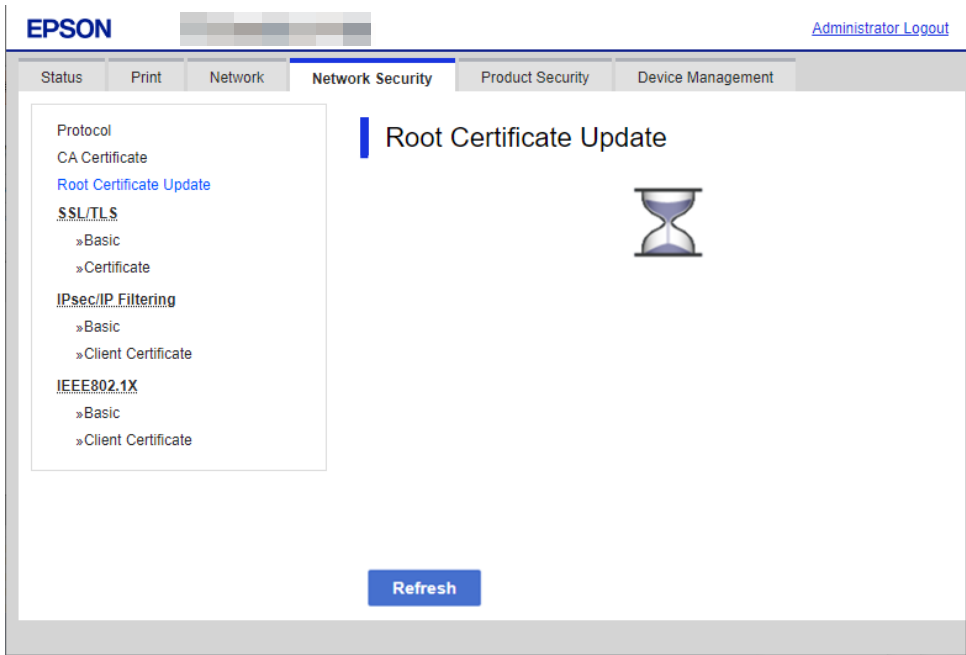
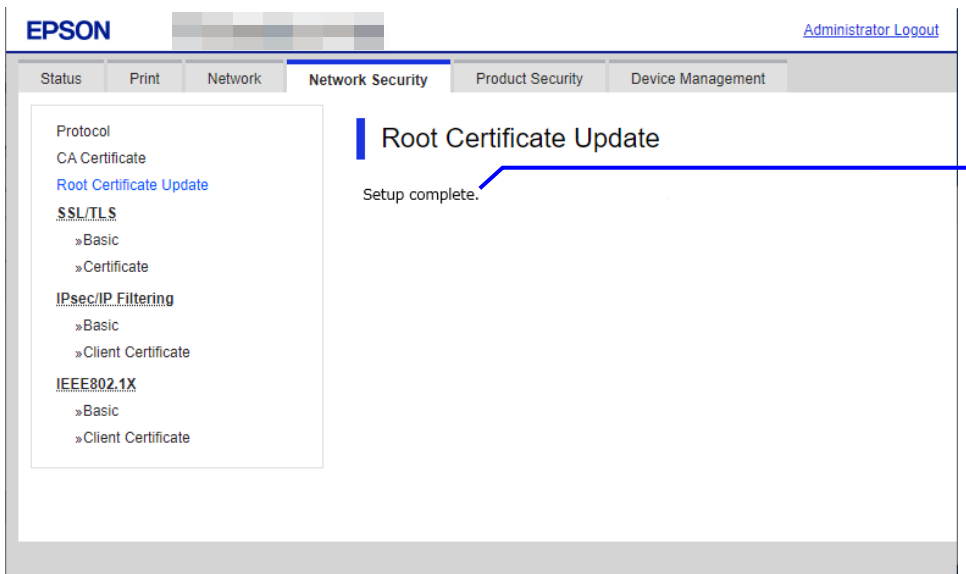


Figure 9-29 Progress Page

9.4.3.3 Result Page

9.4.3.3.1 Image



Result Page

Figure 9-30 Result Page

9.4.3.3.2 Result

Table 9-73 Result

Items	Description
"Setup complete."	This message is shown when the settings are completed.
"You have the latest root certificate."	The root certificate is the latest available.
"❌ Cannot connect to the Epson server."	The printer could not access the server.
"❌ The operation failed."	The product is processing. The printer is being configured.
"❌ Setup failed."	This message is shown if Wi-Fi/Network setup fails due to setup/token mismatch.

9.4.4 SSL/TLS

In the SSL/TLS settings area, you can configure the settings related to the HTTP server the printer supports.

Table 9-74 Sub menu

Sub menu
"Basic"
"Certificate"

9.4.4.1 Basic

9.4.4.1.1 Top Page

9.4.4.1.1.1 Image

The following figure shows the layout of the top page.

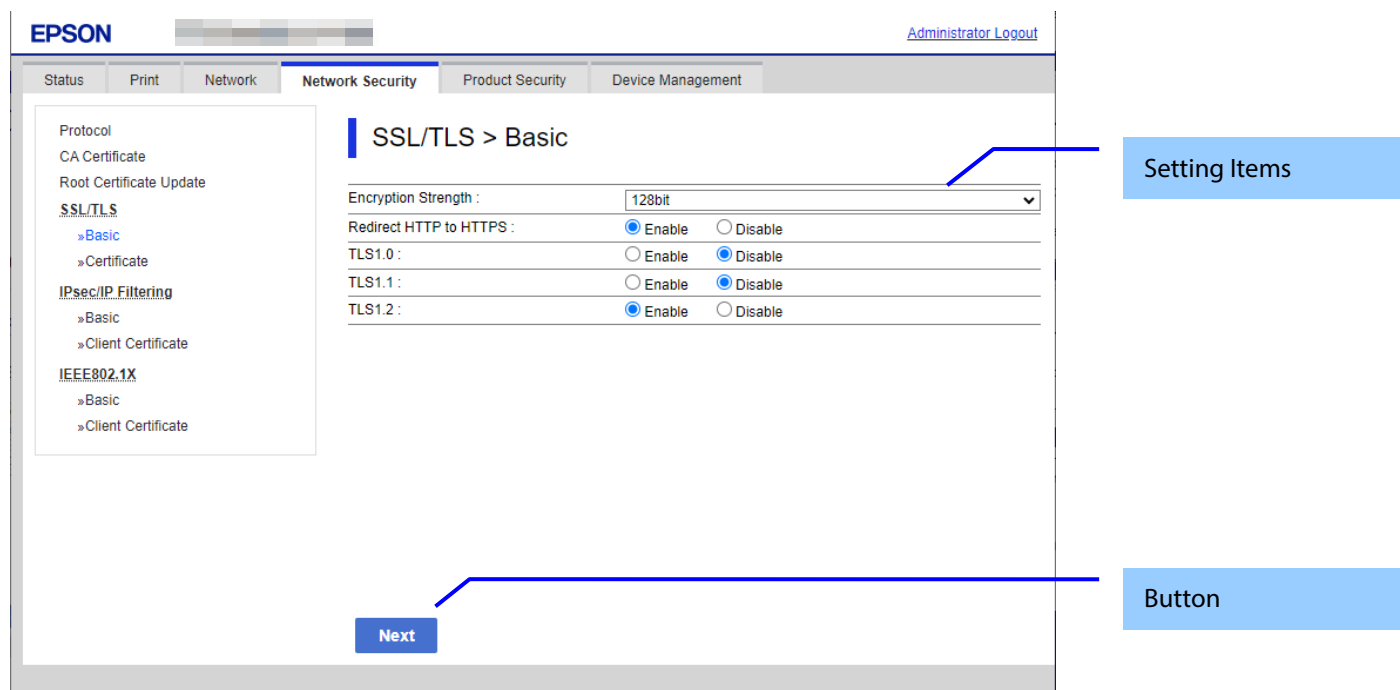


Figure 9-31 Top Page

9.4.4.1.1.2 Setting Items

Table 9-75 Setting Items

Items	Description	Condition
"Encryption Strength"	-Use the drop-down list to choose the strength of the encryption. "80bit" / "112bit" / "128bit" / "192bit" / "256bit"	
"Redirect HTTP to HTTPS"	- You can change whether or not the printer allows redirecting HTTP to HTTPS. "Enable" / "Disable"	
"TLS1.0"	Two radio buttons are provided to choose either of the following: "Enable" / "Disable"	
"TLS1.1"	Two radio buttons are provided to choose either of the following: "Enable" / "Disable"	
"TLS1.2"	Two radio buttons are provided to choose either of the following: "Enable" / "Disable"	Displayed on models that support TLS1.3.

Table 9-76 Button

Items	Description
"Next"	There is the button at the bottom of the confirmation page. For RED-compliant printers, a security warning pop-up will appear before transitioning to the confirm entry page.

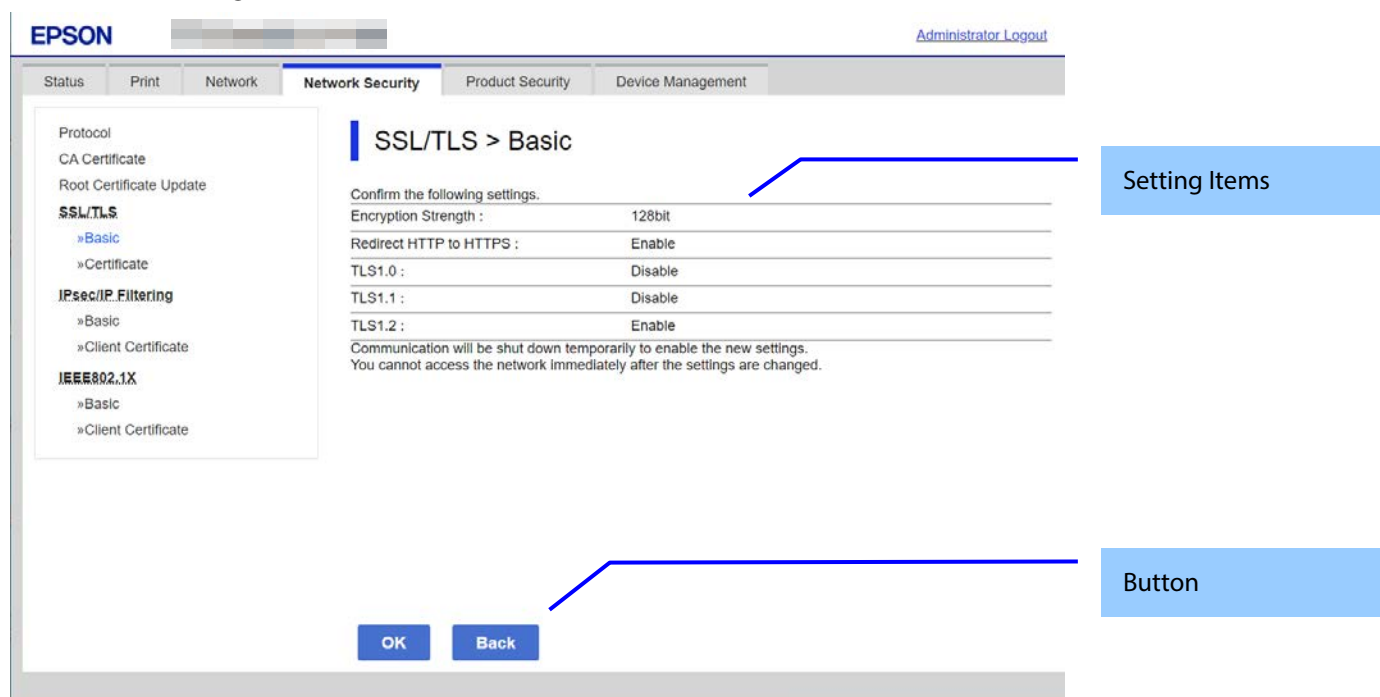
Table 9-77 Security warning pop-up

Items	Description
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	For RED-compliant printers, clicking the "Next" button will display a confirmation pop-up.

9.4.4.1.2 Confirming Page

The confirmation page appears when the “Next” button is pressed on the previous settings page.

9.4.4.1.2.1 Image

**Figure 9-32 Confirming Page**

9.4.4.1.2.2 Setting Items

The settings entered on the previous page are shown for confirmation, after the message “Change the following settings”.

The following message is shown below the confirmed settings.

“Communication will be shut down temporarily to enable the new settings.”

“ You will not be able to access the network immediately after the settings are changed.”

9.4.4.1.2.3 Button

The following table shows the buttons on the page.

Table 9-78 Button

Items	Description
"OK"	- Button at the bottom of the main frame to perform settings.
"Back"	- Button at the bottom of the main frame to go back to the previous page.

9.4.4.1.3 Result Page

The following result is shown in the main frame after the “OK” button is pressed.

9.4.4.1.3.1 Image

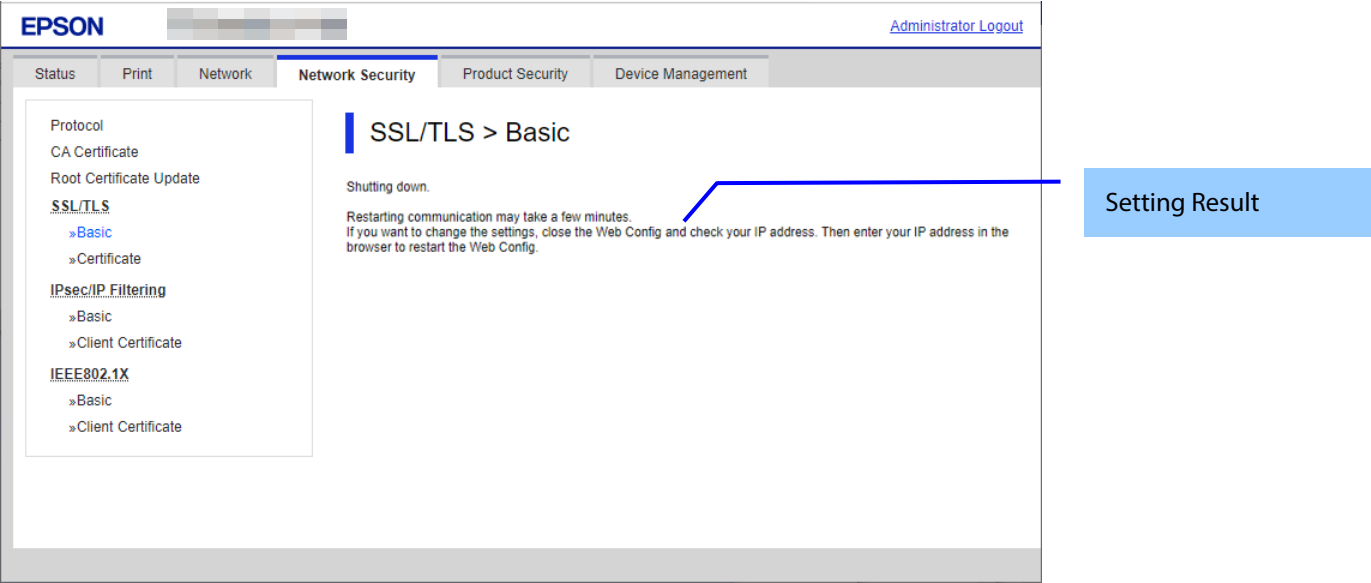


Figure 9-33 Result Page

9.4.4.1.3.2 Setting Result

Table 9-79 Setting Result

Items	Description
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	-This message is shown when the settings are completed. The network shuts down in order to update.
"Setup failed."	- This message is shown if the settings fail.

9.4.4.2 Certificate

9.4.4.2.1 Top Page

9.4.4.2.1.1 Image

The following figure shows the layout of the top page.

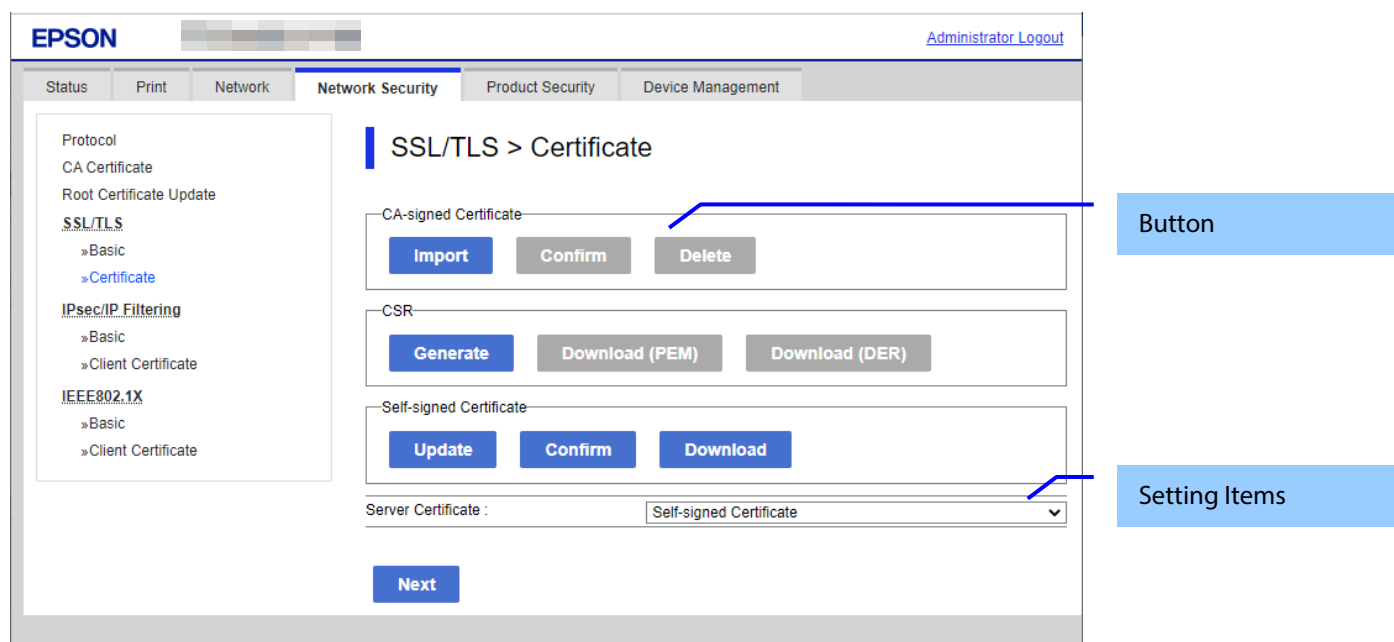


Figure 9-34 Top Page

9.4.4.2.1.2 Setting Items

You can choose the certificate used for the SSL/TLS connection.

Table 9-80 Setting Items

Items	Description
"Server Certificate"	Use the drop-down list to make a choice. "CA-signed Certificate" / "Self-signed Certificate" If a CA-signed certificate is not imported, a self-signed certificate is chosen automatically by the printer.

9.4.4.2.1.3 Button

The following table shows the button on the page.

Table 9-81 Button

Items (Group Name)	Items (Button Name)	Description	Condition
"CA-signed Certificate"	"Next"	-Button for changing the server certificate for SST/TLS. For RED-compliant printers, a security warning pop-up will appear before transitioning to the confirm entry page.	-
	"Import"	- Button for importing a CA-signed certificate	-
	"Confirm"	- Button for confirming the imported CA-signed certificate	CA-signed certificate imported
	"Delete"	- Button for deleting the imported CA-signed certificate	Enabled if a CA-signed certificate is imported but not in use

"CSR"	"Generate"	- Button for moving to the settings page to generate CSR	-
	"Download (PEM)"	- Button for downloading the CSR date in PEM format	-CSR created.
	"Download (DER)"	- Button for downloading the CSR date in PEM format	-CSR created.
"Self-signed Certificate"	"Update"	- Button for moving to the settings page to update the self-signed certificate If the date and time are not adjusted in the printer, the following message is shown in the main frame. "Invalid Date and Time."	-
	"Confirm"	- Button for moving to the confirmation page for the self-signed certificate	-
	"Download"	- Button to download the self-signed certificate date in PEM format (extension:.cer). The default name of the downloaded file is in the form of "SelfSigned_<Date and Time>". <Date and Time> is the date and time set for the product.	This button is always shown. (Only this button is shown on the page when the administrator is logged off or a registered user is logged on.)

Table 9-82 Security warning pop-up

Items	Description
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	The pop-up is displayed for RED-compliant printers.

9.4.4.2.1 Confirming Page

The confirming page appears when the changing of the server certificate for SST/TLS is performed.

9.4.4.2.1.1 Setting Items

The settings inputted at the previous page are shown for confirming following "Change the following settings".

And the following message is shown on bottom of the confirming settings.

"Communication will be shut down temporarily to enable the new settings."

"You cannot access the network immediately after the settings are changed."

9.4.4.2.1.2 Button

The following table shows the button on the page.

Table 9-83 Button

Items	Description
"OK"	The button on bottom of the main frame to perform setting.
"Back"	The button on bottom of the main frame to go back to previous page.

9.4.4.2.2 Result Page

When the "OK" button is pressed, result page will be displayed.

9.4.4.2.2.1 Setting Result

Table 9-84 Setting Result

Items	Description
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	-This message is shown when the settings are completed. The network shuts down in order to update.
"Setup failed."	- This message is shown if the settings fail.

9.4.4.2.3 Importing for CA-signed Certificate

9.4.4.2.3.1 Import Top Page

This page is shown after the 'Import' button in the CA-signed certificate settings is pressed.

The following figure shows the layout of the page for importing the CA-signed certificate into the printer.

9.4.4.2.3.1.1 Image

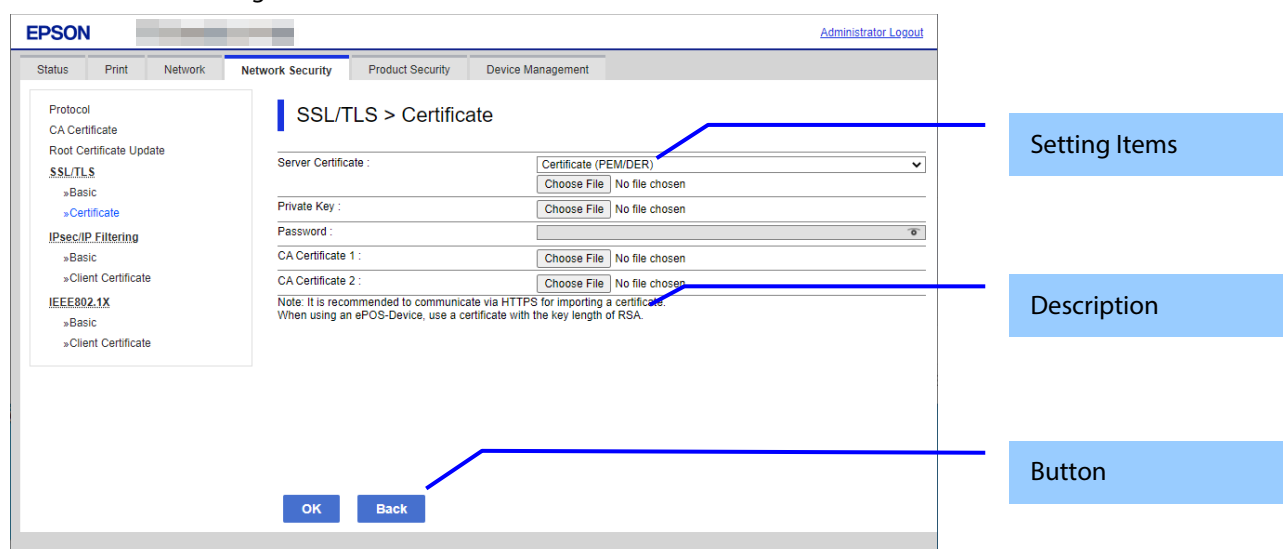


Figure 9-35 Import Top Page

9.4.4.2.3.1.2 Setting Items

On the Import Top Page, the following items can be controlled by the administrator.

Table 9-85 Setting Items

Items	Description	Condition
"Server Certificate"	-Enter the file of the server certificate to import it into the printer. You can also use the file button to select the file.	-
File Format	Choose the file format of the server certificate to import it into the printer. "Certificate (PEM/DER)"/ "Certificate with Private Key (PKCS#12)"	-
"Private Key"	-Enter the private key file of the server certificate to import it into the printer. You can also use the file button to select the file.	-Enabled if certificate (PEM/DER) selected
"Password"	-Enter the passphrase for encryption to create a private key. Usable string: ASCII code (0x20-0x7E) Max of 48 characters.	- Enabled if certificate with private key (PKCS#12) selected
"CA Certificate 1"	-Enter the file of the certificate signed by CA issuing the server certificate to import it into the printer. You can also use the file button to select the file.	- Enabled if certificate (PEM/DER) selected

"CA Certificate 2"	-Enter the file of the certificate signed by CA issuing the first CA certificate to import it into the printer. It also is able to select the file using file button.	- Enabled if certificate (PEM/DER) selected
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9.4.4.2.3.1.3 Description Items

Table 9-86 Description Items

Items	Description
"Note: It is recommended to communicate via HTTPS for importing a certificate."	Fixed Strings
"To use ePOS-Device, use a certificate with an RSA key length."	Fixed Strings

9.4.4.2.3.1.4 Button

The following table shows the buttons on the page.

Table 9-87 Button

Items	Description
"OK"	Button at the bottom of the main frame to perform importing. After the "OK" button is pressed, Web Config performs the following operations depending on conditions. - If the entered value is invalid, Web Config displays a pop-up window with an error message. - If the entered value is NOT invalid and a CA-signed Certificate was imported already, Web Config displays a pop-up window with a warning message. - If the entered value is NOT invalid and a CA-signed Certificate was NOT imported already, Web Config displays a Result page.
"Back"	- Button at the bottom of the main frame for going back to the top page of the certificate settings.

When the "OK" button is pressed, an error pop-up window is shown if the input value is invalid.

9.4.4.2.3.1.1 Confirmation message

Table 9-88 Error pop-up window

Items	Description
"Enter a Server Certificate."	This message is shown when the file of the server certificate is not selected.
"CA Certificate 1 is not entered."	When the file of the CA certificate1 is not selected but the CA certificate selected, this message is shown.
"Invalid value below."	-The items of the mis inputted value are shown.

9.4.4.2.3.1.2 Button

Wording of the OK button is displayed according to the display specifications of each Web browser.

Table 9-89 Button

Items	Description
"OK"	- The button to go back to the Import Top Page.

When the "OK" button is pressed, the error pop-up window is shown if the a Server Certificate was imported already.

Table 9-90 Warning pop-up window

Items	Description
"The certificate will be overwritten." "Communication will be shut down temporarily."	The pop-up window is displayed to show a warning message if the input value is NOT invalid and a CA-signed Certificate was imported already.
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	This is displayed for RED-compliant printers.

9.4.4.2.3.1.4 Button

Wording of the OK button and the Cancel button is displayed according to the display specifications of each Web browser.

Table 9-91 Button

Items	Description
"OK"	Performs to overwrite all of the imported certificates. The button to go to the result page.
"Cancel"	The button to go back to the Import Top Page.

9.4.4.2.3.2 Result Page

When the "OK" button is pressed, result page will be displayed.

9.4.4.2.3.2.1 Setting Result

Table 9-92 Setting Result

Items	Description	Transit from Import Top Page	Transit from Warning pop-up	Transit after pressing Reboot Network button
"Setup complete. "	This message is shown when the importing is completed.	Yes	No	No
"Setup complete. " "Restarting communication may take a few minutes. " "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config. "	This message is shown when importing overwrite is completed. The network shuts down for updating.	No	Yes	Yes
"Invalid password. "	This message is shown when inputted password is invalid.	Yes	Yes	No
"Invalid file. "	This message is shown when the below. -The file is used as mismatched format or wrong interrelation. -The file size is over 5k to 24k. (Reference the Note) -Mismatch the private key and the certificate. -Illegal chain.	Yes	Yes	No
"Invalid date and time. "	This message is shown when the expired certificate is used on the product which is not set the date and time.	Yes	Yes	No
"The certificate has expired. Check if the certificate is valid, or check the date and time on the product. "	This message is shown when the expired certificate is used on the product which is already set the date and time.	Yes	Yes	No

"Cannot use the Server Certificates that include more than three CA certificates. "	This message is shown when the server certificate which is included more than 3 CA-signed certs is imported in PSCS#12.	Yes	Yes	No
"Private key is required. "	This message is shown when the private key is set to the point.	Yes	Yes	No
"Setup failed. "	This message is shown when the importing is failed.	Yes	Yes	No
"Setup failed. " "Click [Reboot Network] to apply the settings. " "Communication will be shut down temporarily. " "The setting may be applied to the communication after other settings are changed or the device is restarted. "	This message is shown when the network reboot is failed.	No	Yes	Yes

Note: If the size of a certificate to be imported is larger than 24Kbytes, Web browser's error is shown because the device can't read it.

9.4.4.2.3.2.2 Button

Wording of the OK button and the Cancel button is displayed according to the display specifications of each Web browser.

Table 9-93 Button

Items	Description	Condition
"Reboot Network"	Performs to reboot network. The WebConfig displays success result page if the network reboot success. The WebConfig displays same result page if the network reboot failure.	If the network reboot failure

9.4.4.2.4 Confirm for CA-signed Certificate

This page is shown after ‘Confirm’ for the import is pressed in the CA-signed certificate settings. The following figure shows the layout of the page for confirming imported certificates.

9.4.4.2.4.1 Confirm Page

9.4.4.2.4.1.1 Image

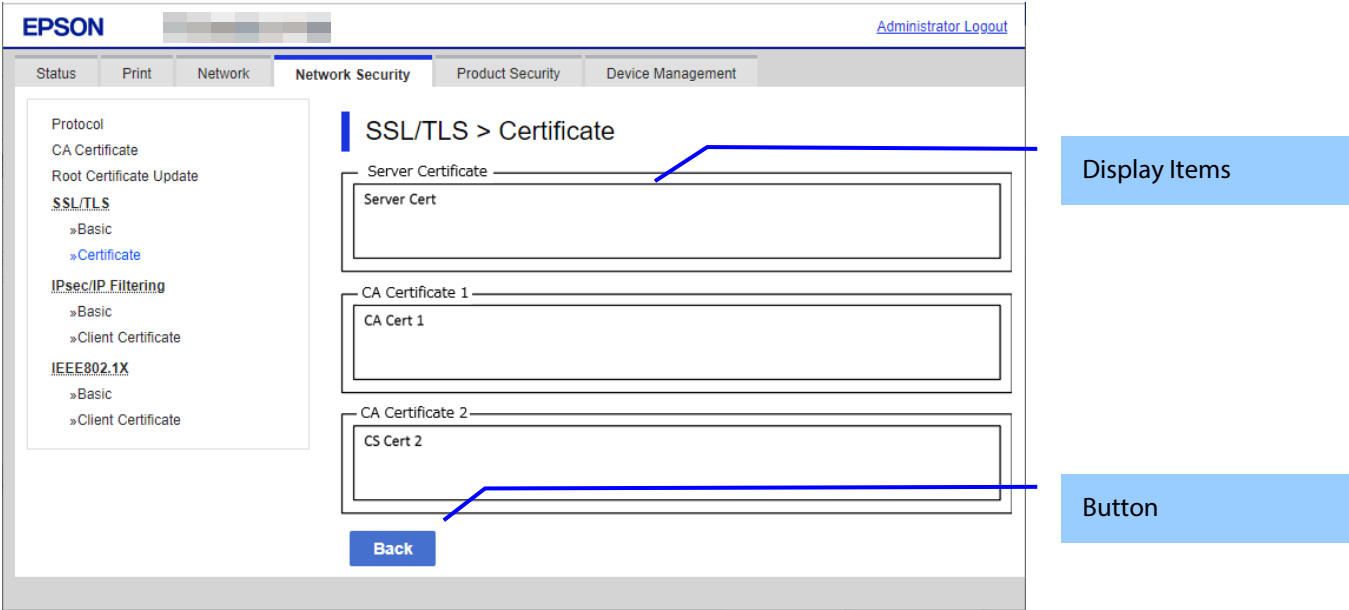


Figure 9-36 Confirm for CA-signed Certificate

9.4.4.2.4.1.2 Display Items

Table 9-94 Display Items

Items	Description
"Server Certificate"	Shows the content of the server certificate imported into the printer
"CA Certificate 1"	Shows the content of the first CA-signed certificate imported into the printer
"CA Certificate 2"	Shows the content of the second CA-signed certificate imported into the printer

9.4.4.2.4.1.3 Button

Table 9-95 Button

Items	Description
"Back"	- Button at the bottom of the main frame for going back to the top page of the certificate settings.

9.4.4.2.1 Delete for the CA-signed certificate

This page is shown after 'Confirm' for the import is pressed in the CA-signed certificate settings.

9.4.4.2.1.1 Warning pop-up Window

A pop-up window is shown when the import "Delete" button for the CA-signed certificate setting is pressed.

9.4.4.2.1.1.1 Confirmation message

Table 9-96 Pop-up window

Items	Description
"Certificate(s) will be deleted."	Static strings.
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	This is displayed for RED-compliant printers.

9.4.4.2.1.1.2 Button

Table 9-97 Button

Items	Description
"OK"	Deletes all of the imported certificates.
"Cancel"	The button to go back to the top page of the certificate settings.

9.4.4.2.1.2 Result Page

When the "OK" button is pressed, result page will be displayed.

9.4.4.2.1.2.1 Setting Result

Table 9-98 Setting Result

Items	Description
"Setup complete."	This message is shown when deletion of the certificate is successful.
"Setup failed."	This message is shown when deletion of the certificate fails.

9.4.4.2.2 Generate CSR(Certificate Signing Request)

9.4.4.2.2.1 Generate Top Page

This page is shown after 'Generate' for importing in the CSR settings is pressed.
The following figure shows the layout of the page for generating CSR.

9.4.4.2.2.1.1 Image

The screenshot shows the EPSON Network Security settings page. The sidebar on the left contains the following items: Protocol, CA Certificate, Root Certificate Update, **SSL/TLS** (selected), IPsec/IP Filtering, and IEEE802.1X. Under SSL/TLS, there are sub-items: Basic, Certificate (selected), Client Certificate, Basic, and Client Certificate. The main content area is titled 'SSL/TLS > Certificate' and contains the following form fields: Key Length (dropdown menu showing RSA 3072bit - SHA-256), Common Name (text box), Organization (text box), Organizational Unit (text box), Locality (text box), State/Province (text box), and Country (text box). At the bottom of the form are two buttons: OK and Back. A blue callout box labeled 'Setting Items' points to the form fields, and another blue callout box labeled 'Button' points to the OK and Back buttons.

Figure 9-37 Generate CSR(Certificate Signing Request)

9.4.4.2.2.1.2 Setting Items

The user must enter the following information to generate CSR.
The following table shows the items on the page.

Table 9-99 Setting Items

Items	Description
"Key Length"	Use the drop-down list to choose the public key size for generating CSR. "RSA 1024bit - SHA-1" / "RSA 2048bit - SHA-256" / "RSA 3072bit - SHA-256" / "EC 256bit - SHA-256" / "RSA 4096bit - SHA-384" / "EC 384bit - SHA-384" / "EC 521bit - SHA-512" The default value is "EC 256bit - SHA-256" only when the RED feature is enabled.
"Common Name"	Use the text box to input a common name for generating CSR. Entering information is mandatory for generating CSR. Set a string with from 1 to 128 characters in the IPv4 address, IPv6 address, host name, or FQDN format. Commas (",")(0x2c) have a special meaning as control characters. See the NOTE below.
"Organization"	Use the text box to input the organization for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Organizational Unit"	Use the text box to input the organization unit for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Locality"	Use the text box to input a locality for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"State/Province"	Use the text box to input a state or province for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Country"	Use the text box to input a country for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 2 characters If there is no string, the value is treated as a white space.
"Sender's Email Address"	Specify the source address for sending e-mail. Enter an ASCII character string in the range of 0 to 255 characters in the text box. (Excluding: () <> [] ; ¥ " , ')

NOTE: You can enter multiple names for these items.

9.4.4.2.2.1.3 Button

Table 9-100 Button

Items	Description
"OK"	- Button for generating CSR at the bottom of the main frame
"Back"	-Button at the bottom of the main frame for going back to the top page of the certificate settings.

When the "Generate" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 9-101 Error Pop-up Window

Items	Description
"Invalid value below. ¥n -%s¥n -%s¥n..."	Shows a warning when a value is entered incorrectly.

9.4.4.2.2.2 Result Page

After the OK button is pressed, Web Config shows the hourglass and then goes to the Result page.
(Refer to Deleting a CA-signed certificate.)

9.4.4.2.2.2.1 Result Page

Table 9-102 Setting Result

Items	Description
"Setup Complete."	This message is shown when the settings are completed.
"Setup failed."	This message is shown if the settings fail.

9.4.4.2.3 Download CSR(Certificate Signing Request)

This page is shown after 'Download' for importing in the CSR settings is pressed.
The default name of the downloaded file is in the form of "EXPORT_CSR_<Serial Number>_<Date and Time>".
<Serial Number> is the Product's Serial Number.
<Date and Time> is the Date and Time set for the product.

The method of downloading the CSR varies by Web browser.

9.4.4.2.4 Updating self-signed Certificates

9.4.4.2.4.1 Update Top Page

This page is shown after 'Update' for the import is pressed in the self-signed certificate settings.
The following figure shows the layout of the page for updating the self-signed certificate that is already embedded in the printer.

9.4.4.2.4.1.1 Image

The screenshot shows the EPSON Network Security settings page. The left sidebar contains a tree view with 'SSL/TLS' selected. The main content area is titled 'SSL/TLS > Certificate'. It contains the following fields:

- Key Length: RSA 3072bit - SHA-256 (dropdown menu)
- Common Name: (text input field)
- Organization: SEIKO EPSON CORP. (text input field)
- Valid Date (UTC): 2022-09-09 06:44:08 UTC (text input field)
- Certificate Validity (year): 10 (dropdown menu)

At the bottom, there are 'Next' and 'Back' buttons. A callout points to the 'Back' button, and another callout points to the 'Key Length' dropdown menu.

Figure 9-38 Updating self-signed Certificates

9.4.4.2.4.1.2 Setting Items

Table 9-103 Setting Items

Items	Description
"Key Length"	Use the drop-down list to choose the public key size for updating the self-signed certificate. "RSA 1024bit - SHA-1" / "RSA 2048bit - SHA-256" / "RSA 3072bit - SHA-256" / "EC 256bit - SHA-256" / "RSA 4096bit - SHA-384" / "EC 384bit - SHA-384" / "EC 521bit - SHA-512" The default value is "EC 256bit - SHA-256" only when the RED feature is enabled.
"Common Name"	Use the text box to input a common name for generating CSR. Entering information is mandatory for generating CSR. Set a string with from 1 to 128 characters in the IPv4 address, IPv6 address, host name, or FQDN format. Commas (",") (0x2c) have a special meaning as control characters. See the NOTE below.
"Organization"	"SEIKO EPSON CORP." -Fixed
"Valid Date (UTC)"	Shows the date and time for the client
"Certificate Validity (year)"	Use the drop-down list to select a year for the valid term of the self-signed certificate. "1" / "2" / "3" / "4" / "5" / "6" / "7" / "8" / "9" / "10" The units are years.
"To use ePOS-Device, use a Certificate which Key Length is RSA."	Fixed Strings

NOTE: You can enter multiple names.

9.4.4.2.4.1.3 Button

Table 9-104 Button

Items	Description
"Next"	Button at the bottom of the main frame for updating the self-signed certificate. For RED-compliant printers, a security warning pop-up will appear before transitioning to the next page.
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

When the "Next" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 9-105 Error Pop-up

Items	Description
"Invalid value below. ¥n -%s¥n -%s¥n..."	Shows the warning with the items of the mis inputted value.

Table 9-106 Security warning pop-up

Items	Description
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	The pop-up is displayed for RED-compliant printers.

9.4.4.2.4.2 Confirm Settings Page

The confirmation page appears when the self-signed certificate is changed.

9.4.4.2.4.2.1 Image

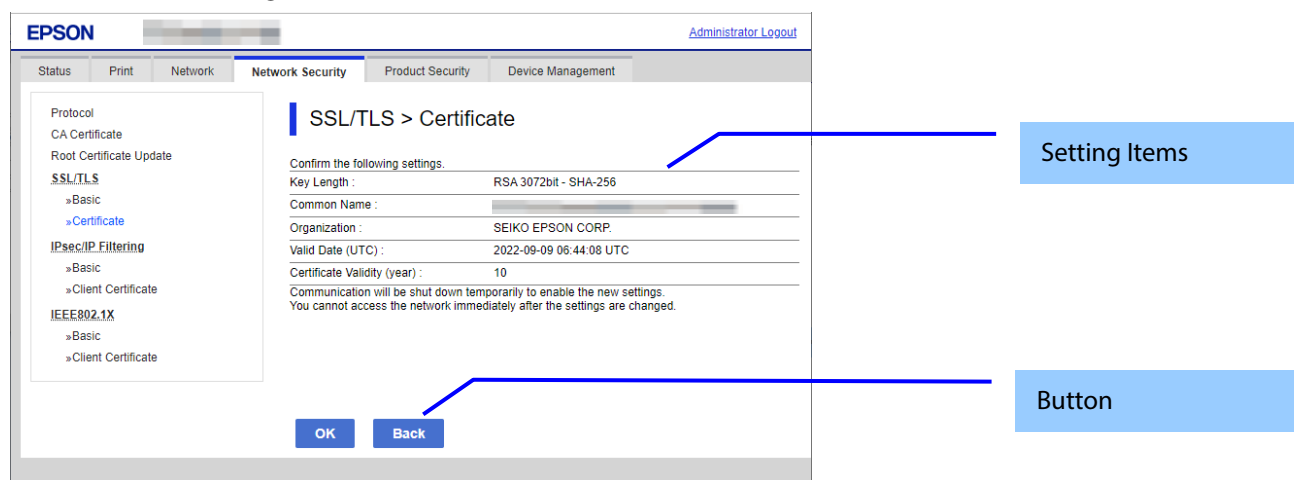


Figure 9-39 Confirm Settings Page

9.4.4.2.4.2.2 Setting Items

The settings entered on the previous page are shown for confirmation, after the message "Change the following settings". The following message is shown below the confirmed settings.

"Communication will be shut down temporarily to enable the new settings."

"You will not be able to access the network immediately after the settings are changed."

9.4.4.2.4.2.3 Button

Table 9-107 Button

Items	Description
"OK"	Button at the bottom of the main frame to perform settings.
"Back"	Button at the bottom of the main frame to go back to the previous page.

9.4.4.2.4.3 Result Page

The following result is shown in the main frame after the “OK” button is pressed.
(Refer to Deleting a CA-signed certificate)

9.4.4.2.4.3.1 Result Page

Table 9-108 Setting Result

Items	Description
" Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when the settings are completed. The network shuts down in order to update.
"Date and Time are not set"	This message is shown when the printer's date and time are not set.
"Setup failed."	This message is shown if the settings fail.

9.4.4.2.5 Confirm for the Self-signed Certificate

This page is shown after ‘Confirm’ for the import is pressed in the self-signed certificate settings.
The following figure shows the layout of the page for confirming certificates.

9.4.4.2.5.1 Confirm Top Page

9.4.4.2.5.1.1 Image

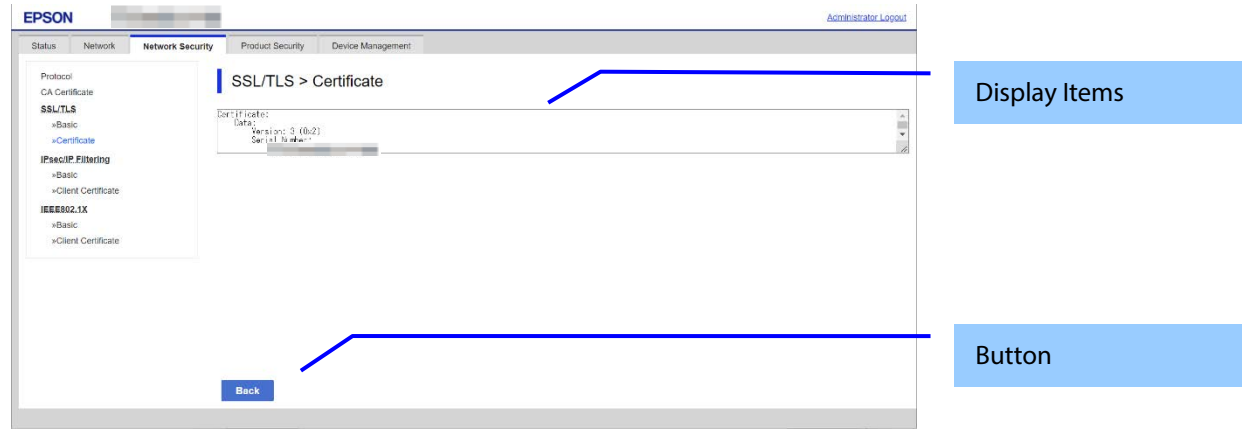


Figure 9-40 Confirming Self-signed Certificates

9.4.4.2.5.1.2 Display items

Table 9-109 Display Items

Items	Description
"Self-signed certificate"	Shows the content of the self-signed certificate. ASCII, Max. 8192 bytes

9.4.4.2.5.1.3 Button

Table 9-110 Button

Items	Description
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

9.4.4.2.6 Downloading the Self-signed Certificate

The self-signed certificate is downloaded by pressing the “Download” button on the certificate settings page of SSL/TLS settings.
The download file is in PEM format. (extension:.cer)
The default name of the downloaded file is in the form of “SelfSigned_<Date and Time>”.
<Date and Time> is the date and time set for the product.

The following dialog box is displayed when downloading.

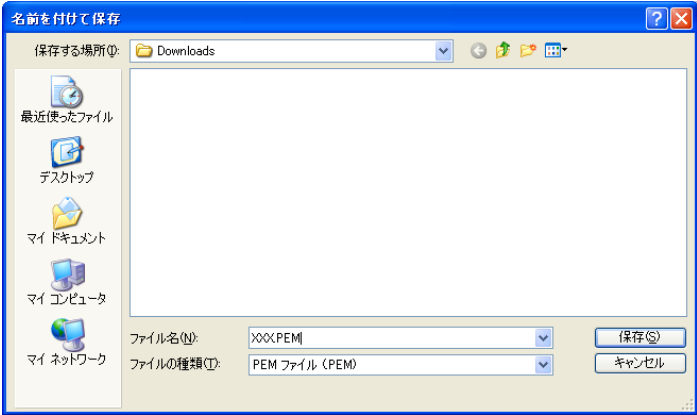


Figure 9-41 Windows Dialogue Box for the Self-signed Certificate Downloading

This dialogue box is displayed as a standard function of each Web browser and varies depending on the Web browser.

9.4.4.3 Automatic Certificate Update

9.4.4.3.1 Top page

9.4.4.3.1.1 Image

The following figure shows the layout of the top page.

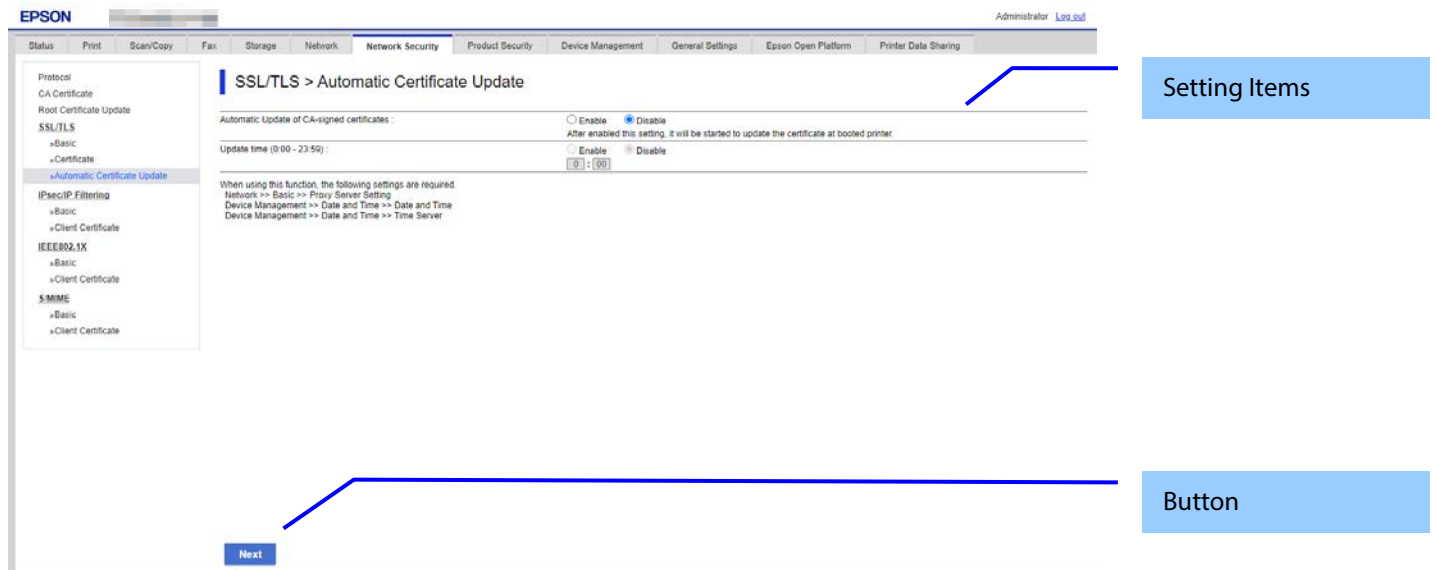


Figure 9-42 Top page

9.4.4.3.1.2 Setting Items

Table 9-111 Setting Items

Items	Description	Condition
"Automatic Update of CA-signed certificates"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable"	-
"After enabled this setting, it will be started to update the certificate at booted printer. "	Fixed character string	-
"Update time (0:00 – 23:59) "	Two radio buttons are provided to choose one of the following: "Enable" / "Disable"	This item is not grayed-out when "Automatic Update of CA-signed certificates" is enabled.
	This is enabled when the above Update time (radio button) is set to "Enable". The hour text box, ":", and the minutes text box are displayed, in that order. The following characters can be entered in each text box: "0" to "9". Only the 24-hour clock format can be used.	This item is not grayed-out when both "Update time (0:00 – 23:59) " and "Automatic Update of CA-signed certificates" are enabled.

9.4.4.3.1.3 Comment

Comments in the following table are displayed.

Table 9-112 Comment

Comment	Description
"When using this function, the following settings are required." "Network >> Basic >> Proxy Server Setting" "Device Management >> Date and Time >> Date and Time" "Device Management >> Date and Time >> Time Server"	These comments are displayed at the bottom of the page.

9.4.4.3.1.4 Button

Table 9-113 Button

Items	Description
"Next"	This button is provided at the bottom of the page. Click it to go to the confirmation page.

When the "Next" button is clicked, a pop-up window will be displayed if there is an error in the entered value.

Table 9-114 Error Popup

Items	Description
"Invalid value below."	This message is displayed if a value entered in a text box is incorrect. The item names for the incorrect values are shown under the message in the cell on the left. If there are two or more items with incorrect values, each item is displayed on a separate line.

9.4.4.3.2 Confirming page

When the “Next” button is clicked on the previous settings page, the confirmation page is displayed.

9.4.4.3.2.1 Image

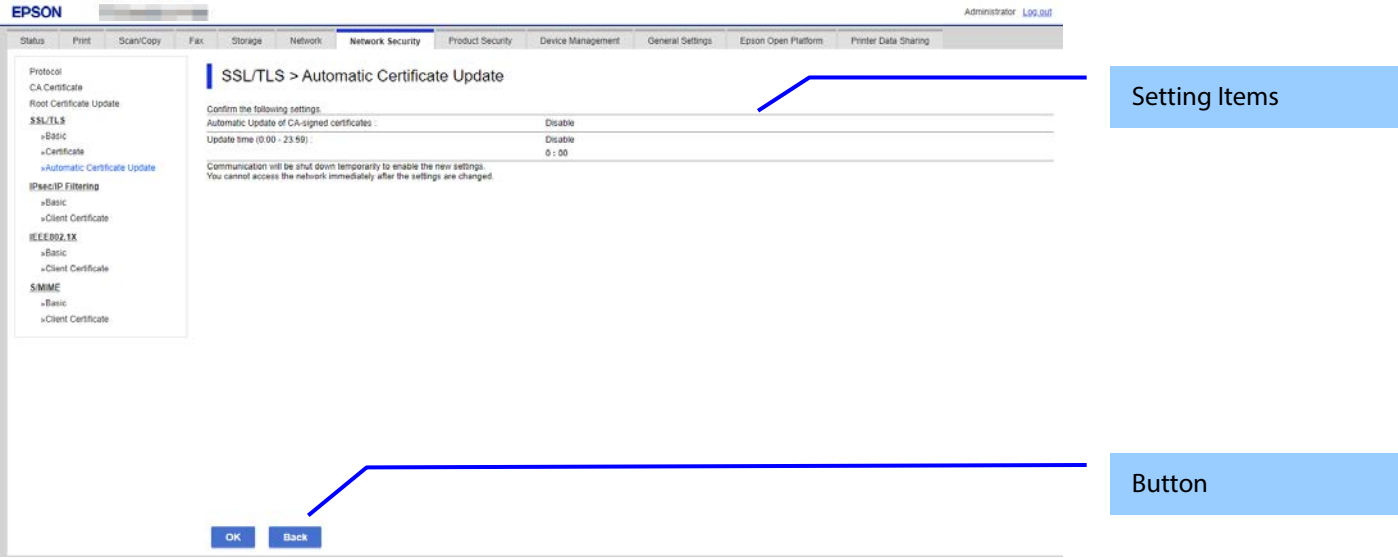


Figure 9-43 Confirming page

9.4.4.3.2.2 Setting Items

The message “Change the following settings?” is displayed, followed by the setting items and the values entered on the previous page. The following message is displayed below the setting items.

* “The network connection will be lost temporarily to enable the new settings.”

”You will be unable to access the network immediately after the settings are changed.”

9.4.4.3.2.3 Button

The buttons for setting values on the confirmation page are shown in the following table.

Table 9-115 Button

Items	Description
"OK"	This button is used to set the values displayed on the confirmation page. Click it to go to the results page.
"Back"	Click this button to return to the settings page.

9.4.4.3.3 Result page

When the “OK” button is clicked, the results page is displayed.

9.4.4.3.3.1 Image

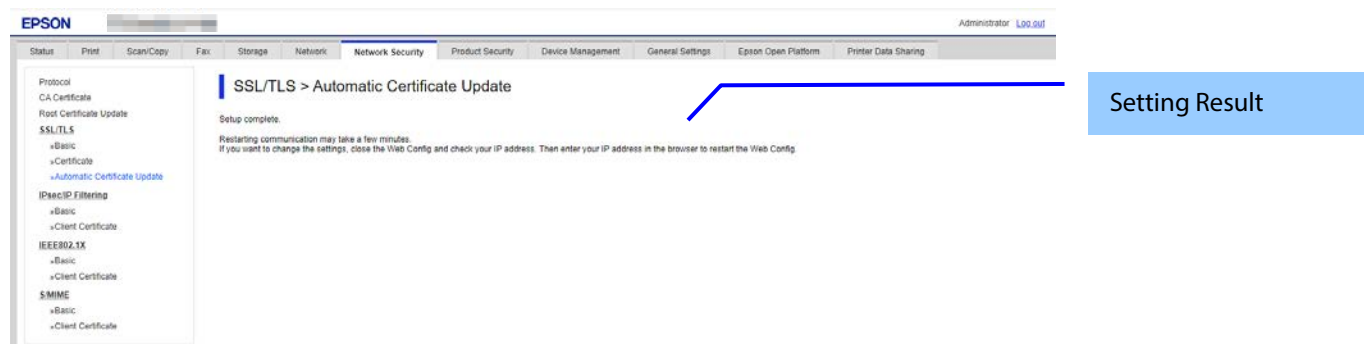


Figure 9-44 Result page

9.4.4.3.3.2 Setting Result

Table 9-116 Setting Result

Items	Description
"Setup complete. " "Restarting communication may take a few minutes. " "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config. "	This message is displayed if the settings are updated successfully. (A network reboot will occur.)
"Setup failed. "	This message is displayed if the settings are not updated successfully.

9.4.5 IPsec/IP Filtering

In the IPsec/IP Filtering settings, there are 2 submenus: “Basic” and “Client Certificate”.

9.4.5.1 Basic

A default policy and group policies 1 – 10 of IPsec/IP Filtering are available for setup in Basic setting.

9.4.5.1.1 Top Page

9.4.5.1.1.1 Default Policy

9.4.5.1.1.1 Image

The following figure shows the layout for the Setting Items of Default Policy page.

The screenshot displays the EPSON Network Security configuration interface. The top navigation bar includes links for Status, Print, Network, Network Security (active), Product Security, and Device Management. The left sidebar lists various security protocols and certificates. The main content area is titled 'IPsec/IP Filtering > Basic' and shows a tabbed interface for selecting a policy (Default Policy, 1-10). The 'Default Policy' tab is active, displaying the following settings:

- IPsec/IP Filtering: ☐ Enable ☒ Disable
- Default Policy: [Dropdown]
- Access Control: [Dropdown]
- IKE Version: ☒ IKEv1 ☐ IKEv2
- Authentication Method: [Dropdown]
- Pre-Shared Key: [Text Field]
- Confirm Pre-Shared Key: [Text Field]
- Encapsulation: [Dropdown]
- Remote Gateway(Tunnel Mode): [Text Field]
- Security Protocol: [Dropdown]
- Algorithm Settings:
 - IKE:
 - Encryption: [Dropdown]
 - Authentication: [Dropdown]
 - Key Exchange: [Dropdown]
 - ESP:
 - Encryption: [Dropdown]
 - Authentication: [Dropdown]
 - AH:
 - Authentication: [Dropdown]

Annotations on the right side of the image point to the 'Setting Items of Default Policy' (the main configuration area) and a 'Button' (the 'Next' button at the bottom).

Figure 9-45 IPsec Default Policy

The following figure shows the layout of this settings area.

Table 9-117 Setting Items

Items	Description	Condition
"Each policy is applied with following priorities:" "Group Policy 1 > Group Policy 2 > ... > Group Policy 10 > Default Policy"	Description of the policy	-
"IPsec/IP Filtering"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable"	-
"Default Policy"	Title	-
"Access Control"	Use the drop-down list to make a choice. "Permit Access" / "Refuse Access" / "IPsec"	If "IPsec/IP Filtering" is "Enabled", this item can be configured.
"IKE Version"	Use the radio buttons to choose "IKEv1" / "IKEv2".	If "IPsec/IP Filtering" is "Enabled" and "Access Control" is "IPsec", this item can be configured.
"Authentication Method"	Use the drop-down list to make a choice. "Pre-Shared Key" / "Certificate"	This item is displayed when "IKE Version" is "IKEv1". This item is enabled when "IPsec/IP Filtering" is "Enabled" and "Access Control" is "IPsec".
"Pre-Shared Key"	Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max of 127 characters.	This item is displayed when "IKE Version" is "IKEv1". This item is enabled when "IPsec/IP Filtering" is "Enabled" and "Access Control" is "IPsec".
"Confirm Pre-Shared Key"	Same as "Pre-Shared Key"	Same as "Pre-Shared Key".
"Local"	Title	This item is displayed when "IKE Version" is "IKEv2".
"Authentication Method"	Use the drop-down list to make a choice. "Pre-Shared Key" / "Certificate"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enabled" and "Access Control" is "IPsec".
"ID Type"	Use the drop-down list to make a choice. "Distinguished Name" / "IP Address" / "FQDN" / "Email Address" / "Key ID"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enabled", "Access Control" is "IPsec", and "Authentication Method" for "Local" is "Pre-Shared Key".

"ID"	The values that can be entered depends on the selection for "ID Type". [@][#][=] cannot be used as the first character, regardless of the type selected. "Distinguished Name": ASCII, 1-255 characters. Must use [=]. "IP Address": IPv4, IPv6 "FQDN": ASCII (alphanumeric, dot, hyphen), 1-255 characters "Email Address": ASCII, 1-255 characters. Must use [@]. [=] cannot be used. "Key ID": ASCII, 1-255 characters	This item is displayed when "IKE Version" is "IKEv2" and "ID Type" for "Local" is anything other than "IP Address". This item is enabled when "IPsec/IP Filtering" is "Enabled", "Access Control" is "IPsec", and "Authentication Method" for "Local" is "Pre-Shared Key".
"Pre-Shared Key"	Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max. 127 characters.	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enabled", "Access Control" is "IPsec", and "Authentication Method" for "Local" is "Pre-Shared Key".
"Confirm Pre-Shared Key"	Same as "Pre-Shared Key".	- Same as "Pre-Shared Key".
"Remote"	Title	This item is displayed when "IKE Version" is "IKEv2".
"Authentication Method"	Use the drop-down list to make a choice. "Pre-Shared Key" / "Certificate"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enabled" and "Access Control" is "IPsec".
"ID Type"	Use the drop-down list to make a choice. "Distinguished Name" / "IP Address" / "FQDN" / "Email Address" / "Key ID"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enabled", "Access Control" is "IPsec", and "Authentication Method" for "Remote" is "Pre-Shared Key".
"ID"	The values that can be entered depends on the selection for "ID Type". [@][#][=] cannot be used as the first character, regardless of the type selected. "Distinguished Name": ASCII, 1-255 characters. Must use [=]. "IP Address": IPv4, IPv6 "FQDN": ASCII (alphanumeric, dot, hyphen), 1-255 characters "Email Address": ASCII, 1-255 characters. Must use [@] and [=] is not usable. "Key ID": ASCII, 1-255 characters	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enable", "Access Control" is "IPsec" and "Authentication Method" of "Remote" is "Pre-Shared Key".
"Pre-Shared Key"	Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max of 127 characters.	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enable", "Access Control" is "IPsec" and "Authentication Method" of "Remote" is "Pre-Shared Key".
"Confirm Pre-Shared Key"	Same as "Pre-Shared Key".	- Same as "Pre-Shared Key".
"Encapsulation"	Use the drop-down list to make a choice. "Transport Mode" / "Tunnel Mode"	If "IPsec/IP Filtering" is "Enable" and "Access Control" is "IPsec", it is possible to set this item.

"Remote Gateway(Tunnel Mode)"	Enter an IPv4 address or IPv6 address. Max of 39 characters.	If "IPsec/IP Filtering" is "Enable" , "Access Control" is "IPsec" and "Encapsulation" is "Tunnel Mode" ,it is possible to set this item.
"Security Protocol"	Use the drop-down list to make a choice. "ESP" / "AH"	If "IPsec/IP Filtering" is "Enable" and "Access Control" is "IPsec" , it is possible to set this item.
"Algorithm Settings"	Title strings. "IKE", "ESP", and "AH" are included.	-
"IKE"	Title strings. "Encryption", "Authentication" and "Key Exchange" are contained.	-
"Encryption"	Use the drop-down list to choose from the following. "AES-CBC-128" / "AES-CBC-192" / "AES-CBC-256" / "3DES" / "Any"	This item is displayed when "IKE Version" is "IKEv1". This item is enabled when "IPsec/IP Filtering" is "Enable", "Access Control" is "IPsec".
"Encryption"	Use the drop-down list to choose from the following. "AES-CBC-128" / "AES-CBC-192" / "AES-CBC-256" / "AES- GCM-128" / "AES-GCM-192" / "AES-GCM-256" / "3DES" / "Any"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enable", "Access Control" is "IPsec".
"Authentication"	Use the drop-down list to choose from the following. "SHA-1" / "SHA-256" / "SHA-384" / "SHA-512" / "MD5" / "Any"	This item is enabled when "IPsec/IP Filtering" is "Enable", "Access Control" is "IPsec".
"Key Exchange"	Use the drop-down list to choose from the following. "DH Group 1" / "DH Group 2" / "DH Group5" / "DH Group14" / "DH Group15" / "DH Group16" / "DH Group17" / "DH Group18" / "DH Group19" / "DH Group20" / "DH Group21" / "DH Group22" / "DH Group23" / "DH Group24" / "DH Group25" / "DH Group26" / "Any"	This item is displayed when "IKE Version" is "IKEv1". This item is enabled when "IPsec/IP Filtering" is "Enable", "Access Control" is "IPsec".
"Key Exchange"	Use the drop-down list to choose from the following. "DH Group 1" / "DH Group 2" / "DH Group5" / "DH Group14" / "DH Group15" / "DH Group16" / "DH Group17" / "DH Group18" / "DH Group19" / "DH Group20" / "DH Group21" / "DH Group22" / "DH Group23" / "DH Group24" / "DH Group25" / "DH Group26" / "DH Group27" / "DH Group28" / "DH Group29" / "DH Group30" / "Any"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "IPsec/IP Filtering" is "Enable", "Access Control" is "IPsec".
"ESP"	Title strings. "Encryption" and "Authentication" are contained.	-
"Encryption"	Use the drop-down list to choose from the following. "AES-CBC-128" / "AES-CBC-192" / "AES-CBC-256" / "AES- GCM-128" / "AES-GCM-192" / "AES-GCM-256" / "3DES" / "Any"	This item is enabled when "IPsec/IP Filtering" is "Enable", "Access Control" is "IPsec" and "Security Protocol" is "ESP".
"Authentication"	Use the drop-down list to choose from the following. "SHA-1" / "SHA-256" / "SHA-384" / "SHA-512" / "MD5" / "Any"	This item is enabled when "IPsec/IP Filtering" is "Enable", "Access Control" is "IPsec" and "Security Protocol" is "ESP". This item is disabled when "Encryption" of "ESP" is "AES-GCM- 128" or "AES-GCM-192" or "AES- GCM-256".

"AH"	Title strings. "Authentication" is contained.	-
"Authentication"	Use the drop-down list to choose from the following.. Support algorithms refer to the Network Functional Specifications. "SHA-1" / "SHA-256" / "SHA-384" / "SHA-512" / "MD5" / "Any"	This item is enabled when "IPsec/IP Filtering" is "Enable", "Access Control" is "IPsec" and "Security Protocol" is "AH".

9.4.5.1.1.1.3 Button

Table 9-118 Button

Items	Description
"Next"	If pressed, Web Config goes to the Confirm IPsec Settings page. For RED-compliant printers, a security warning pop-up will appear before transitioning to the next page.

If Web Config recognizes an error in the entered value after the Next button is pressed, the following error pop-up is shown.

Table 9-119 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the value entered in the text box is invalid. The item names of the corrected values are shown under the message in the left cell. If there are two or more items whose values were corrected, those items are listed line by line.
<The case of products with printing function > "The combination of Local Address (Printer) and Remote Address (Host) is incorrect."	This message is displayed if the combination of the Local Address (Printer/Scanner) and Remote Address (Host) is incorrect. See the following table.
<The case of scanner> "The combination of Local Address (Scanner) and Remote Address (Host) is incorrect."	
"Select 1 to 10 service names."	Displayed if there are 0 or 11 or more checks for "Service Name".
"Pre-shared keys you entered do not match."	Displayed if the values you entered for the Pre-shared keys do not match

Table 9-120 Security warning pop-up

Items	Description
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	The pop-up is displayed for RED-compliant printers.

-Permit Access or Refuse Access

Permit Access or Refuse Access		Local Address (Printer/Scanner)			
		IPv4	fe80::~	Except fe80::~	Any *
Remote Address (Host)	(Specify IP Address)IPv4	✓	-	-	✓
	(Specify IP Address) fe80::~	-	✓	-	-
	(Specify IP Address)fe80::~	-	-	✓	✓
	(Specify IP Address Range) IPv4	✓	-	-	✓
	(Specify IP Address Range) fe80::~	-	✓	-	-
	(Specify IP Address Range) Except fe80::~	-	-	✓	✓
	(Blank) Any	✓	-	✓	✓

IPsec

IPsec		Local Address (Printer/Scanner)			
		IPv4	fe80::~	Except fe80::~	Any *
Remote Address (Host)	(Specify IP Address)IPv4	✓	-	-	✓
	(Specify IP Address) fe80::~	-	-	-	-
	(Specify IP Address)fe80::~	-	-	✓	✓
	(Specify IP Address Range) IPv4	-	-	-	-
	(Specify IP Address Range) fe80::~	-	-	-	-
	(Specify IP Address Range) Except fe80::~	-	-	-	-
	(Blank) Any	✓	-	✓	✓

✓: Cannot be set.

-: Cannot be set. The message “The combination of Local Address (Printer/Scanner) and Remote Address (Host) is incorrect.” is displayed.

*: Does not include IPv6 link-local address

9.4.5.1.1.2 Group Policy

9.4.5.1.1.2.1 Image

The following figure shows the layout of the Setting Items on the Group Policy page.

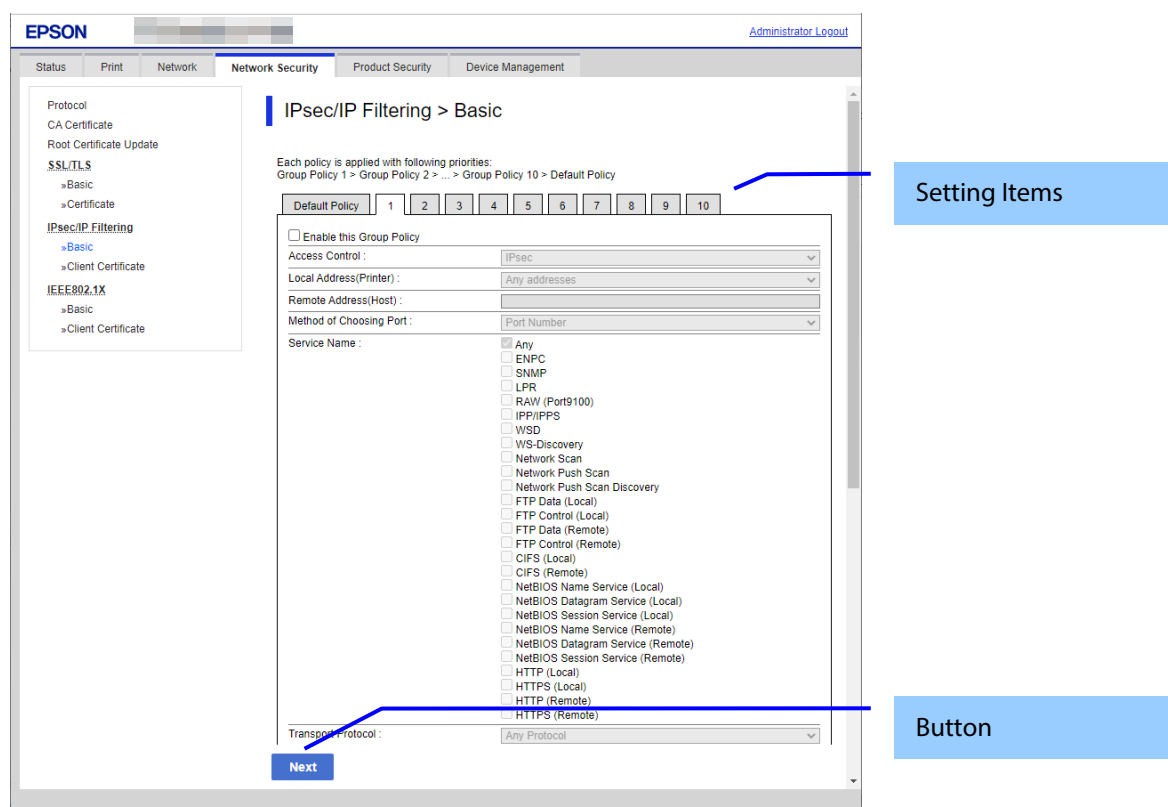


Figure 9-46 Group Policy of IPsec Basic Top Page

9.4.5.1.1.2.2 Setting Items of Group Policy

The following figure shows a layout of this settings area.

Table 9-121 Setting Items

Items	Description	Description
"Each policy is applied with following priorities:" "Group Policy 1 > Group Policy 2 > ... > Group Policy 10 > Default Policy"	Description of the policy.	-
"Enable this Group Policy"	Enabled if the check box is selected	-
"Access Control"	- Use the drop-down list to make a choice. "Permit Access" / "Refuse Access" / "IPsec"	- If "Enable this Group Policy" is enabled, this item can be configured.
<The case of products with printing function > "Local Address(Printer)" <The case of scanner > "Local Address (Scanner)"	-Use the drop-down list to make a choice. "Unavailable" / "Any addresses" / IPv4 Address / IPv6 Address / IPv6 Link-Local Address / IPv6 Stateful Address / IPv6 Stateless Address 1 / IPv6 Stateless Address 2 / IPv6 Stateless Address 3 IPv6Address, IPv6LinklocalAddress, IPv6StatelessAddress1, IPv6StatelessAddress2, and IPv6StatelessAddress3 are displayed when the address is set. "Unavailable" is displayed when the Local Address and IP Address for the printer are incorrect. "Unavailable" is not set. If the method for IP Address is auto, you can select "Use automatically acquired IPv4 address (xxx.xxx.xxx.xxx)".	- If "Enable this Group Policy" is enable, it is possible to set this item.

"Remote Address(Host)"	-Enter up to 43 characters. You can enter in the IPv4 and IPv6 formats You can enter the empty. It is possible to use the prefix. You can not enter 255.255.255.255 and 0.0.0.0.	- If "Enable this Group Policy" is enabled, this item can be configured.
"Method of Choosing Port"	-Use the drop-down list to make a choice. "Service Name" / "Port Number"	- If "Enable this Group Policy" is enable, it is possible to set this item.
"Service Name"	From 1 to 10 of the following can be selected for "Service Name". However, if "Any" is selected, no other item can be selected. "Any" / "ENPC" / "SNMP" / "LPR" / "RAW (Port9100)" / "WSD" / "WS-Discovery" / "NetBIOS Name Service (Remote)" / "NetBIOS Datagram Service (Remote)" / "NetBIOS Session Service (Remote)" / "HTTP (Local)" / "HTTPS (Local)" / "HTTP (Remote)" / "HTTPS (Remote)"	- If "Enable this Group Policy" is enabled and "Method of Choosing PORT" is "Service Name", it is possible to configure this item. If the printer has these features, they can be selected. -LPR function "LPR" - RAW (Port9100)function "RAW (Port9100)" WSD Scan "WSD" / "WS-Discovery" - Push Scan Function "Network Push Scan" / "Network Push Scan Discovery" -ScanToFolder "FTP Data (Remote)" / "FTP Control (Remote)" / "NetBIOS Name Service (Remote)" / "NetBIOS Datagram Service (Remote)" / "NetBIOS Session Service (Remote)" /
"Transport Protocol"	-Use the drop-down list to make a choice. "Any Protocol" / "TCP" / "UDP" / "ICMPv4"	- If "Enable this Group Policy" is enable and "Method of Choosing Port" is "Port Number", it is possible to set this item.
"Local Port"	Enter up to 60 characters. Numbers, commas, spaces, and empty strings can be input. Enter up to 10 numbers, separated by commas. The range is 1-65535.	- If "Enable this Group Policy" is enabled, "Method of Choosing Port" is "Port Number", and "Transport Protocol" is "TCP" or "UDP", it is possible to configure this item.
"Remote Port"	Enter up to 60 characters. Numbers, commas, spaces, and empty strings can be input. Enter up to 10 numbers, separated by commas. The range is 1-65535.	- If "Enable this Group Policy" is enable, "Method of Choosing Port" is "Port Number" and "Transport Protocol" is "TCP" or "UDP", it is possible to set this item.
"IKE Version"	Use the radio buttons to choose "IKEv1" / "IKEv2"..	- If "Enable this Group Policy" is enabled and "Access Control" is "IPsec", it is possible to configure this item.
"Authentication Method"	-Use the drop-down list to make a choice. "Pre-Shared Key" / "Certificate"	This item is displayed when "IKE Version" is "IKEv1". This item is enabled when "Enable this Group Policy" is enable and "Access Control" is "IPsec".

"Pre-Shared Key"	- Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max of 127 characters.	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enable, "Access Control" is "IPsec" and "Authentication Method" of "Local" is "Pre-Shared Key".
"Confirm Pre-Shared Key"	- Same as "Pre-Shared Key".	- Same as "Pre-Shared Key".
"Local"	Title	This item is displayed when "IKE Version" is "IKEv2".
"Authentication Method"	-Use the drop-down list to make a choice. "Pre-Shared Key" / "Certificate"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enable and "Access Control" is "IPsec".
"ID Type"	Use the drop-down list to make a choice. "Distinguished Name" / "IP Address" / "FQDN" / "Email Address" / "Key ID"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enable, "Access Control" is "IPsec" and "Authentication Method" of "Local" is "Pre-Shared Key".
"ID"	The values that can be entered depends on the selection for "ID Type". [@][#][=] cannot be used as the first character, regardless of the type selected. "Distinguished Name": ASCII, 1-255 characters. Must use [=]. "IP Address": IPv4, IPv6 "FQDN": ASCII(alphanumeric, dot, hyphen), 1-255 characters "Email Address": ASCII, 1-255 characters. Must use [@] and [=] is not usable. "Key ID": ASCII, 1-255 characters	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enable, "Access Control" is "IPsec" and "Authentication Method" of "Remote" is "Pre-Shared Key".
"Pre-Shared Key"	-Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max of 127 characters.	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enable, "Access Control" is "IPsec" and "Authentication Method" of "Remote" is "Pre-Shared Key".
"Confirm Pre-Shared Key"	- Same as "Pre-Shared Key".	- Same as "Pre-Shared Key".
"Remote"	Title	This item is displayed when "IKE Version" is "IKEv2".
"Authentication Method"	-Use the drop-down list to make a choice. "Pre-Shared Key" / "Certificate"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enable and "Access Control" is "IPsec".
"ID Type"	Use the drop-down list to make a choice. "Distinguished Name" / "IP Address" / "FQDN" / "Email Address" / "Key ID"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enabled, "Access Control" is "IPsec", and "Authentication Method" for "Remote" is "Pre-Shared Key".
"ID"	The values that can be entered depends on the selection for "ID Type". [@][#][=] cannot be used as the first character, regardless of the type selected. "Distinguished Name": ASCII, 1-255 characters. Must use [=]. "IP Address": IPv4, IPv6 "FQDN": ASCII(alphanumeric, dot, hyphen), 1-255 characters "Email Address": ASCII, 1-255 characters. Must use [@] and [=] is not usable.	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enable, "Access Control" is "IPsec" and "Authentication Method" of "Remote" is "Pre-Shared Key".

	"Key ID": ASCII, 1-255 characters	
"Pre-Shared Key"	-Enter the passphrase. Usable string: ASCII code (0x20-0x7E) Max of 127 characters.	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enable, "Access Control" is "IPsec" and "Authentication Method" of "Remote" is "Pre-Shared Key".
"Confirm Pre-Shared Key"	- Same as "Pre-Shared Key".	- Same as "Pre-Shared Key".
"Encapsulation"	-Use the drop-down list to make a choice. "Transport Mode" / "Tunnel Mode"	- If "Enable this Group Policy" is enabled and "Access Control" is "IPsec", it is possible to configure this item.
"Remote Gateway(Tunnel Mode)"	-It is possible to enter up to 39 characters. You can enter in the IPv4 and IPv6 formats You can enter the empty. You can not enter 255.255.255.255 and 0.0.0.0.	- If "Enable this Group Policy" is enable, "Access Control" is "IPsec" and "Encapsulation" is "Tunnel Mode", it is possible to set this item.
"Security Protocol"	-Use the drop-down list to make a choice. "ESP" / "AH"	- If "Enable this Group Policy" is enabled and "Access Control" is "IPsec", it is possible to configure this item.
"Algorithm Settings"	Title strings. "IKE", "ESP" and "AH" are contained.	-
"IKE"	Title strings. "Encryption", "Authentication" and "Key Exchange" are contained.	-
"Encryption"	Use the drop-down list to choose from the following. "AES-CBC-128" / "AES-CBC-192" / "AES-CBC-256" / "3DES" / "Any"	This item is displayed when "IKE Version" is "IKEv1". This item is enabled when "Enable this Group Policy" is enabled and "Access Control" is "IPsec"..
"Encryption"	Use the drop-down list to choose from the following. "AES-CBC-128" / "AES-CBC-192" / "AES-CBC-256" / "AES-GCM-128" / "AES-GCM-192" / "AES-GCM-256" / "3DES" / "Any"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enable, "Access Control" is "IPsec".
"Authentication"	Use the drop-down list to choose from the following. "SHA-1" / "SHA-256" / "SHA-384" / "SHA-512" / "MD5" / "Any"	This item is enabled when "Enable this Group Policy" is enabled and "Access Control" is "IPsec".
"Key Exchange"	Use the drop-down list to choose from the following. "DH Group 1" / "DH Group 2" / "DH Group5" / "DH Group14" / "DH Group15" / "DH Group16" / "DH Group17" / "DH Group18" / "DH Group19" / "DH Group20" / "DH Group21" / "DH Group22" / "DH Group23" / "DH Group24" / "DH Group25" / "DH Group26" / "Any"	This item is displayed when "IKE Version" is "IKEv1". This item is enabled when "Enable this Group Policy" is enable, "Access Control" is "IPsec".
"Key Exchange"	Use the drop-down list to choose from the following. "DH Group 1" / "DH Group 2" / "DH Group5" / "DH Group14" / "DH Group15" / "DH Group16" / "DH Group17" / "DH Group18" / "DH Group19" / "DH Group20" / "DH Group21" / "DH Group22" / "DH Group23" / "DH Group24" / "DH Group25" / "DH Group26" / "DH Group27" / "DH Group28" / "DH Group29" / "DH Group30" / "Any"	This item is displayed when "IKE Version" is "IKEv2". This item is enabled when "Enable this Group Policy" is enable, "Access Control" is "IPsec".

"ESP"	Title strings. "Encryption" and "Authentication" are contained.	-
"Encryption"	Use the drop-down list to choose from the following. "AES-CBC-128" / "AES-CBC-192" / "AES-CBC-256" / "AES-GCM-128" / "AES-GCM-192" / "AES-GCM-256" / "3DES" / "Any"	This item is enabled when "Enable this Group Policy" is enabled, "Access Control" is "IPsec", and "Security Protocol" is "ESP".
"Authentication"	Use the drop-down list to choose from the following. "SHA-1" / "SHA-256" / "SHA-384" / "SHA-512" / "MD5" / "Any"	This item is enabled when "Enable this Group Policy" is enabled, "Access Control" is "IPsec", and "Security Protocol" is "ESP". This item is disabled when "Encryption" for "ESP" is "AES-GCM-128", "AES-GCM-192", or "AES-GCM-256".
"AH"	Title strings. "Authentication" is contained.	-
"Authentication"	Use the drop-down list to choose from the following.. Support algorithms refer to the Network Functional Specifications. "SHA-1" / "SHA-256" / "SHA-384" / "SHA-512" / "MD5" / "Any"	This item is enabled when "Enable this Group Policy" is enabled, "Access Control" is "IPsec", and "Security Protocol" is "ESP".

Table 9-122 Button

Items	Description
"Next"	If pressed, Web Config goes to the Confirm IPsec Settings page. For RED-compliant printers, a security warning pop-up will appear before transitioning to the next page.

If Web Config recognizes an error in the entered value after the Next button is pressed, the following error pop-up is shown.

Table 9-123 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the value entered in the text box is invalid. The item names of the corrected values are shown under the message in the left cell. If there are two or more items whose values were corrected, those items are listed line by line.
<The case of products with printing function > "The combination of Local Address (Printer) and Remote Address (Host) is incorrect." <The case of scanner> "The combination of Local Address (Scanner) and Remote Address (Host) is incorrect."	- This message is displayed if the combination of the Local Address (Printer/Scanner) and Remote Address (Host) is incorrect. See the following table.
"Select 1 to 10 service names."	- Displayed if there are 0 or 11 or more checks for "Service Name".
"Pre-shared keys you entered do not match."	- Displayed if the values you entered for the Pre-shared keys do not match

Table 9-124 Security warning pop-up

Items	Description
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	The pop-up is displayed for RED-compliant printers.

-Permit Access or Refuse Access

Permit Access or Refuse Access		Local Address (Printer/Scanner)			
		IPv4	fe80::~	Except fe80::~	Any *
Remote Address (Host)	(Specify IP Address)IPv4	✓	-	-	✓
	(Specify IP Address) fe80::~	-	✓	-	-
	(Specify IP Address)fe80::~	-	-	✓	✓
	(Specify IP Address Range) IPv4	✓	-	-	✓
	(Specify IP Address Range) fe80::~	-	✓	-	-
	(Specify IP Address Range) Except fe80::~	-	-	✓	✓
	(Blank) Any	✓	-	✓	✓

IPsec

IPsec		Local Address (Printer/Scanner)			
		IPv4	fe80::~	Except fe80::~	Any *
Remote Address (Host)	(Specify IP Address)IPv4	✓	-	-	✓
	(Specify IP Address) fe80::~	-	-	-	-
	(Specify IP Address)fe80::~	-	-	✓	✓
	(Specify IP Address Range) IPv4	-	-	-	-
	(Specify IP Address Range) fe80::~	-	-	-	-
	(Specify IP Address Range) Except fe80::~	-	-	-	-
	(Blank) Any	✓	-	✓	✓

✓: This setting can be configured.

-: Cannot be configured. The message “The combination of Local Address (Printer/Scanner) and Remote Address (Host) is incorrect.” is displayed.

*: Does not include IPv6 link-local address

9.4.5.1.2 Confirm IPsec Settings Page

If the Next button is pressed on the IPsec Group Settings page, Web Config goes to the Confirm IPsec Group Policy Settings page.

9.4.5.1.2.1 Image

The screenshot displays the 'Confirm IPsec/IP Filtering > Basic' page in the EPSON Web Config interface. The page is divided into a left sidebar with navigation links (Protocol, CA Certificate, Root Certificate Update, SSL/TLS, IPsec/IP Filtering, IEEE802.1X) and a main content area. The main content area contains a confirmation message and a list of settings to be confirmed. The 'IPsec/IP Filtering' section is highlighted, showing a 'Default Policy' and ten 'Group Policy' entries. Each entry has an 'Enable this Group Policy' checkbox. A blue arrow points from the 'Input Items' label to the 'IPsec/IP Filtering' section. Another blue arrow points from the 'Button' label to the 'OK' and 'Back' buttons at the bottom. A warning message at the bottom states: 'Communication will be shut down temporarily to enable the new settings. You cannot access the network immediately after the settings are changed.'

Figure 9-47 Confirm IPsecDefault Policy Settings Page

9.4.5.1.2.2 Input Information

Table 9-125 Input Information

Items	Description
"Confirm the following settings."	If the Next button is pressed on the IPsec Group Settings page, Web Config goes to the Confirm IPsec Group Policy Settings page.
"Default Policy"	If the Next button is pressed on the IPsec Group Settings page, Web Config goes to the Confirm IPsec Group Policy Settings page.
"Group Policy 1"/ "Group Policy 2"/ "Group Policy 3"/ "Group Policy 4"/ "Group Policy 5"/ "Group Policy 6"/ "Group Policy 7"/ "Group Policy 8"/ "Group Policy 9"/ "Group Policy 10"	If the Next button is pressed on the IPsec Group Settings page, Web Config goes to the Confirm IPsec Group Policy Settings page.
"Communication will be shut down temporarily to enable the new settings." "You cannot access the network immediately after the settings are changed." "Depending on the changes, you may not be able to connect to Web Config."	If the Next button is pressed on the IPsec Group Settings page, Web Config goes to the Confirm IPsec Group Policy Settings page.

<The case of product without LCD panel> "If connection is lost unintentionally, initialize the network settings on the product's control panel. And then configure it again." < The case of scanner with LCD panel > "If connection is lost unintentionally, disable IPsec/IP Filtering on the product's control panel. And then configure it again."	This message is shown on the bottom of the page.
--	--

9.4.5.1.2.3 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 9-126 Button

Items	Description
"OK"	This button is used to apply the entered values to the system shown on the Confirm IEEE802.1X Settings page. If pressed, Web Config goes to the Result page.
"Back"	This button is used to go back to the IPsec Default Policy Settings page.

9.4.5.1.2.4 Result Page

The following figures show pages displayed after processing network setup.

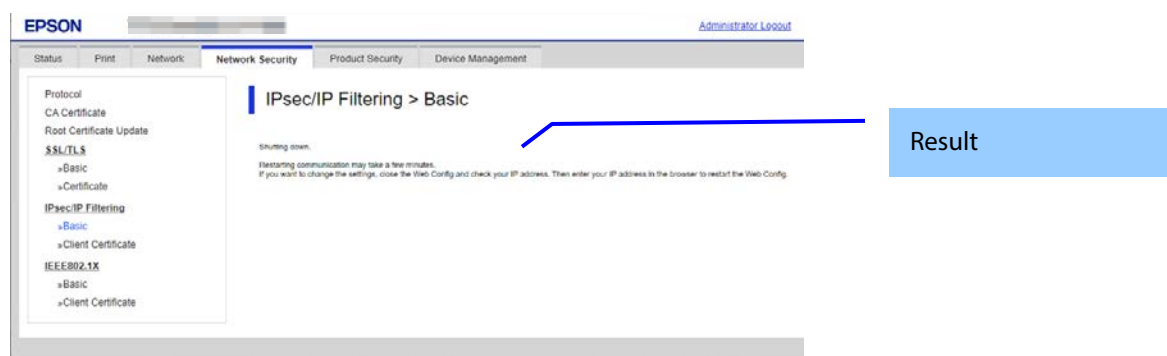


Figure 9-48 Success Page

9.4.5.1.2.5 Setting Result

Table 9-127 Setting Result

Items	Description
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	-This message is shown when the settings are completed. The network shuts down in order to update.
"Setup failed."	- This message is shown if the settings fail..

9.4.5.2 Client Certificate

9.4.5.2.1 Top Page

9.4.5.2.1.1 Image

The following figure shows the layout of the top page.

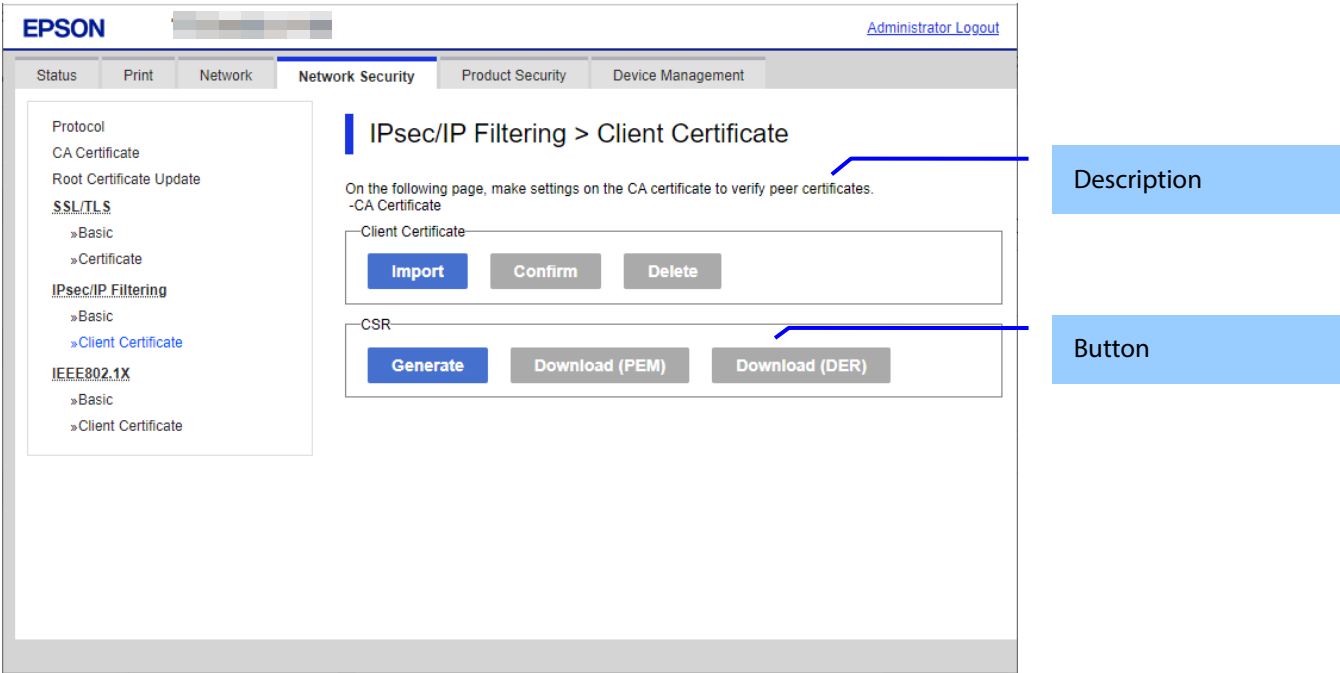


Figure 9-49 Top Page

9.4.5.2.1.2 Description

Table 9-128 Description

Items	Description
"On the following page, configure the settings on the CA certificate to verify peer certificates." "-CA Certificate"	Fixed Strings

9.4.5.2.1.3 Copy list

You can choose other functions to copy the certificate to this function.

Table 9-129 Copy list

Items	Description	Condition
"Copy From"	Use the drop-down list to make a choice. "Certificate for SSL/TLS" / "Certificate for IEEE802.1X" "Certificate for SSL/TLS" is displayed when the Client Certificate is imported on the SSL/TLS page. "Certificate for IEEE802.1X" is displayed when the Client Certificate is imported on the IEEE802.1X page. "Certificate for S/MIME" is displayed when the Client Certificate is imported on the S/MIME page. "Certificate for S/MIME" is displayed when the Client Certificate is imported on the S/MIME page.	"Copy From" is displayed when the Client Certificate is imported on the following page: · SSL/TLS page · IEEE802.1X page · S/MIME page

9.4.5.2.1.4 Button

The following table shows the buttons on the page.

Table 9-130 Button

Items (Group Name)	Items (Button Name)	Description	Condition
"Client Certificate"	"Import"	- Button for importing Client certificate	-
	"Confirm"	- Button for confirming the imported Client certificate	-Client certificate imported
	"Delete"	- Button for deleting the imported Client certificate	-Client certificate imported
	"Copy"	- Button for copying client certificates from other functions If the client certificate has already been imported with this feature, or if the printer is a RED-compliant printer, a warning pop-up will appear. Web Config displays a result page if a Client Certificate was NOT imported in this function.	The "Copy" button is displayed when the Client Certificate is imported on the following page: · SSL/TLS page · IEEE802.1X page
"CSR"	"Generate"	- Button for moving to the settings page to generate CSR	-
	"Download (PEM)"	- Button for downloading the CSR data in PEM format	-CSR created.
	"Download (DER)"	- Button for downloading the CSR data in PEM format	-CSR created.

Table 9-131 Warning pop-up Window

Items	Description
"The certificate will be overwritten." "Communication will be shut down temporarily."	The pop-up window is displayed to show a warning message if the input value is NOT invalid and a Client Certificate was imported already.
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	The pop-up is displayed for RED-compliant printers.

9.4.5.2.2 Result Page

9.4.5.2.2.1 Image

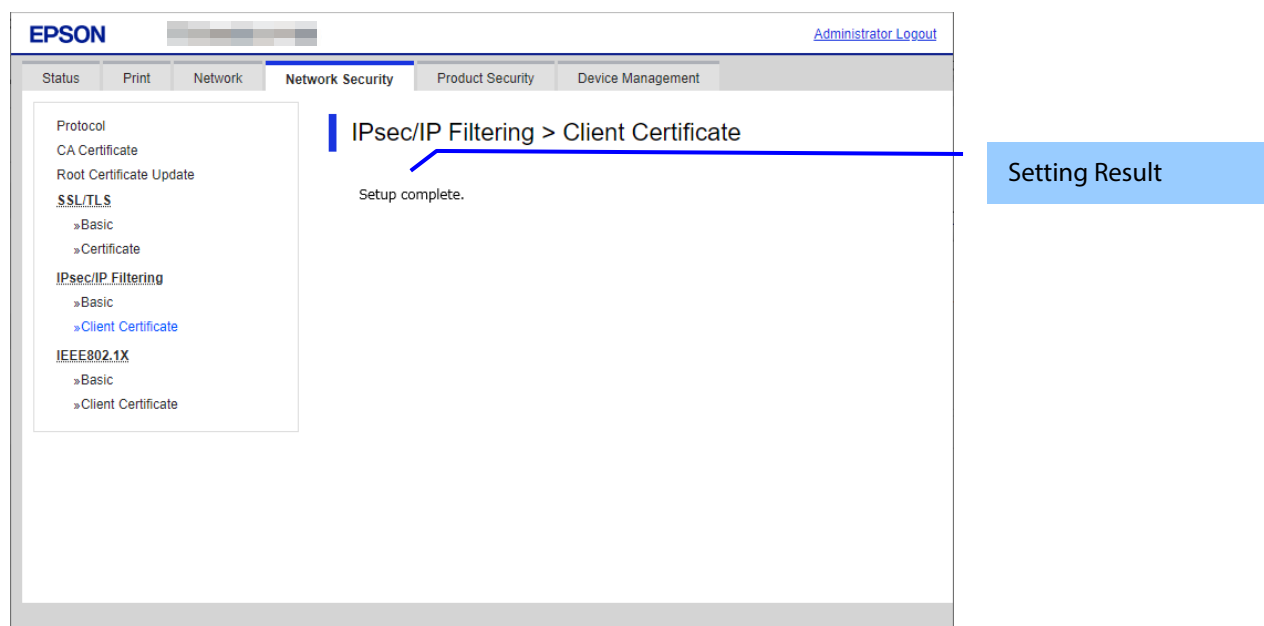


Figure 9-50 Result Page

9.4.5.2.2.2 Setting Results

The following result is shown in the main frame after the “Copy” button is pressed.

Table 9-132 Result Page

Items	Description
"Setup complete."	- This message is shown when importing without overwriting is completed.
"Setup failed."	- This message is shown if the settings fail.

9.4.5.2.3 Importing for Client Certificate

9.4.5.2.3.1 Import Top Page

This page is shown after the 'Import' button in the Client certificate settings is pressed.
The following figure shows the layout of the page for importing the Client certificate into the printer.

9.4.5.2.3.1.1 Image

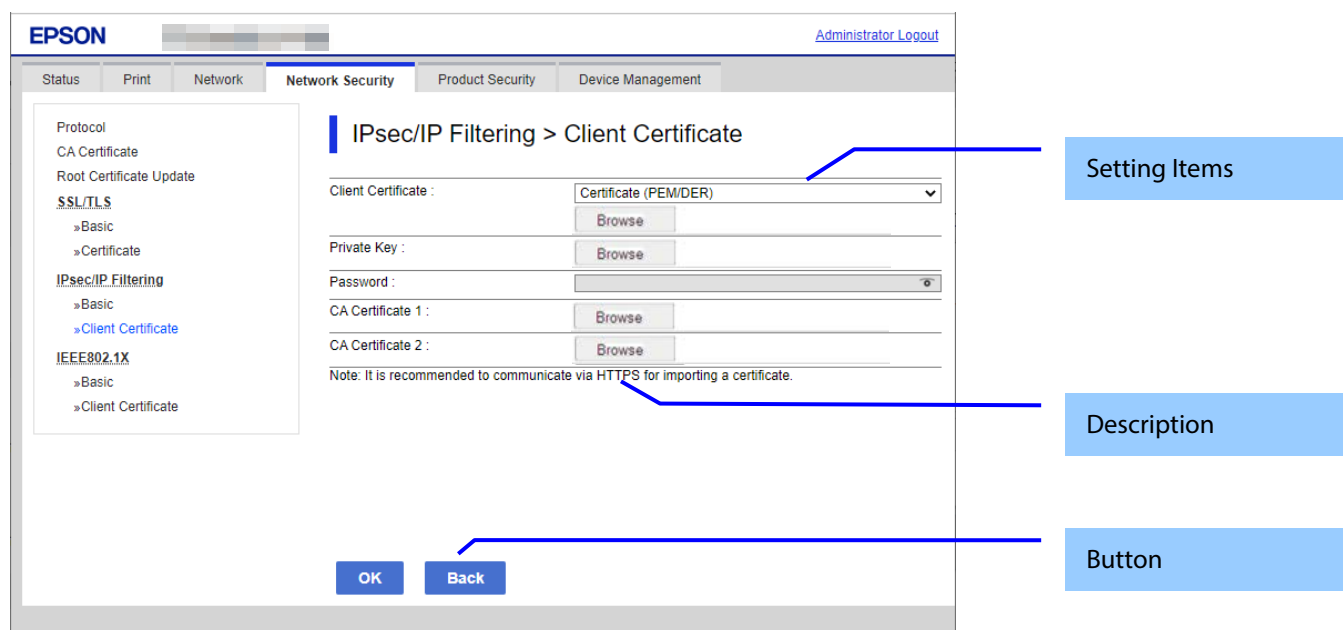


Figure 9-51 Import Top Page

9.4.5.2.3.1.2 Setting Items

On the Import Top Page, the following items can be controlled by the administrator.

Table 9-133 Setting Items

Items	Description	Condition
"Client Certificate"	Enter the file of the Client certificate to import it into the printer. You can also use the file button to select the file.	-
File Format	Choose the file format of the server certificate to import it into the printer. "Certificate (PEM/DER)"/ "Certificate with Private Key (PKCS#12)"	-
"Private Key"	Enter the private key file of the server certificate to import it into the printer. You can also use the file button to select the file.	Only when certificate (PEM/DER) is selected
"Password"	Enter the passphrase for encryption to create a private key. Usable string: ASCII code (0x20-0x7E) Max of 48 characters.	In certificate with private key (PKCS#12) selected only.
"CA Certificate 1"	Enter the file of the certificate signed by CA issuing the server certificate to import it into the printer. You can also use the file button to select the file. Max of 255 characters.	In certificate (PEM/DER) selected only.
"CA Certificate 2"	Enter the file of the certificate signed by CA issuing the first CA certificate to import it into the printer. It also is able to select the file using file button.	In certificate (PEM/DER) selected only.

9.4.5.2.3.1.3 Description

Table 9-134 Description

Items	Description
"Note: It is recommended to communicate via HTTPS when importing a certificate."	Fixed Strings

9.4.5.2.3.1.4 Button

The following table shows the buttons on the page.

Table 9-135 Button

Items	Description
"OK"	Button at the bottom of the main frame to perform importing. After the "OK" button is pressed, Web Config performs the following operations depending on conditions. - If the entered value is invalid, Web Config displays a pop-up window with an error message. - If the entered value is NOT invalid and a Client Certificate was imported already, Web Config displays a pop-up window with a warning message. - If the entered value is NOT invalid and a Client Certificate was NOT imported already, Web Config displays a Result page. - For RED-compliant printers, a security warning pop-up will appear before transitioning to the next page.
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

9.4.5.2.3.2 Error pop-up Window

9.4.5.2.3.2.1 Confirmation message

Table 9-136 Error pop-up window

Items	Description
"Select a Client Certificate."	This message is shown when the file of the client certificate is not selected.
"CA Certificate 1 is not entered."	When the file of CA certificate1 is not selected but the CA certificate is selected, this message is shown.
"Invalid value below."	The value that was entered incorrectly is shown.

9.4.5.2.3.2.2 Button

The wording of the OK button is displayed according to the display specifications for each Web browser.

Table 9-137 Button

Items	Description
"OK"	The button to go back to the Import Top Page.

9.4.5.2.3.3 Warning pop-up Window

9.4.5.2.3.3.1 Confirmation message

Table 9-138 Warning pop-up window

Items	Description
"The certificate will be overwritten." "Communication will be shut down temporarily."	The pop-up window is displayed to show a warning message if the input value is NOT invalid and a Client Certificate was imported already.
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	The pop-up is displayed for RED-compliant printers.

9.4.5.2.3.3.2 Button

The wording of the OK button and the Cancel button is displayed according to the display specifications for each Web browser.

Table 9-139 Button

Items	Description
"OK"	Overwrites all of the imported certificates. The button to go to the result page.
"Cancel"	The button to go back to the Import Top Page.

9.4.5.2.3.4 Result Page

The following result is shown in the main frame after the “OK” button is pressed.

9.4.5.2.3.4.1 Image

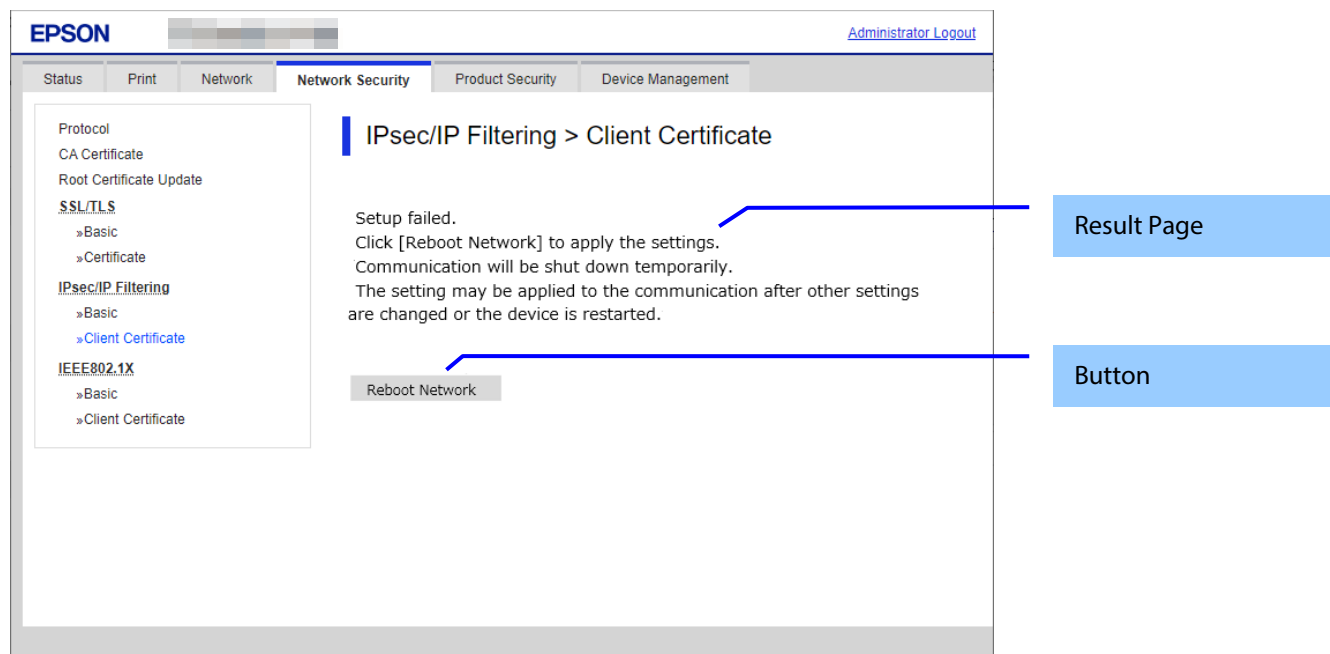


Figure 9-52 Result Page

9.4.5.2.3.4.2 Result

Table 9-140 Result

Items	Description	Redirect from Import Top Page	Redirect from Warning Pop-up	Redirect after Pressing Reboot Network Button
"Setup complete."	This message is shown when importing is completed.	Yes	No	No
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when importing and overwriting are completed. The network shuts down in order to update.	No	Yes	Yes
"Invalid password."	This message is shown when the entered password is invalid.	Yes	Yes	No
"Invalid file."	This message is shown in the following cases. - The file uses an incorrect format or wrong interrelation. - The file size is greater than the stipulated range of 5k to 24k. (See the note.) - The private key and certificate do not match. - Incorrect chain.	Yes	Yes	No
"Invalid date and time."	This message is shown when an expired certificate is imported, and the date and time are not set.	Yes	Yes	No
"The certificate has expired. Check if the certificate is valid, or check the date and time on the product."	This message is shown when an expired certificate is imported, and the date and time are already set.	Yes	Yes	No

"Cannot use the Client Certificates that include more than three CA certificates."	- This message is shown when a server certificate that includes more than 3 CA-signed certs is imported in PSCS#12.	Yes	Yes	No
"Private key is required."	This message is shown when a private key is required.	Yes	Yes	No
"Setup failed."	This message is shown when importing fails.	Yes	Yes	No
"Setup failed." "Click [Reboot Network] to apply the settings." "Communication will be shut down temporarily." "The setting may be applied to the communication after other settings are changed or the device is restarted."	This message is shown when a network reboot fails.	No	Yes	Yes

Note: If the size of a certificate to be imported is larger than 24KBytes, the device is unable to read it and a Web browser error is shown.

9.4.5.2.3.4.3 Button

Table 9-141 Button

Items	Description	Condition
"Reboot Network"	Reboots the network If the network reboot is successful, Web Config displays the successful result page. If the network reboot fails, Web Config displays the same page.	If the network reboot fails

9.4.5.2.4 Confirm for Client certificate

9.4.5.2.4.1 Top Page

This page is shown after 'Confirm' for the import is pressed in the Client certificate settings.
The format of the indicated page is the same as "Confirm for CA-signed certificate".

9.4.5.2.4.1.1 Display Items

Table 9-142 Display Items

Items	Description
"Client Certificate"	Shows the content of the server certificate imported into the printer
"CA Certificate 1"	Shows the content of the first CA-signed certificate imported into the printer
"CA Certificate 2"	Shows the content of the second CA-signed certificate imported into the printer

9.4.5.2.4.1.2 Button

Table 9-143 Button

Items	Description
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

9.4.5.2.5 Delete for the Client certificate

9.4.5.2.5.1 Warning pop-up Window

A pop-up window is shown when the import "Delete" button for the CA-signed certificate setting is pressed.

9.4.5.2.5.1.1 Confirmation message

Table 9-144 Pop-up window

Items	Description
"Certificate(s) will be deleted."	Static strings.
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	This is displayed for RED-compliant printers.

9.4.5.2.5.1.2 Button

Table 9-145 Button

Items	Description
"OK"	Deletes all of the imported certificates.
"Cancel"	The button to go back to the top page of the certificate settings.

9.4.5.2.5.2 Result Page

When the "OK" button is pressed, result page will be displayed.

9.4.5.2.5.2.1 Setting Result

Table 9-146 Setting Result

Items	Description
"Setup complete."	This message is shown when deletion of the certificate is successful.
"Setup failed."	This message is shown when deletion of the certificate fails.

9.4.5.2.6 Copy overwrite for the Client certificate

9.4.5.2.6.1 Warning pop-up Window

The pop-up window is shown when the "Copy" button is pressed if the Client Certificate was imported in this function. The form of the indicated page is the same as for "Importing for CA-signed certificate".

9.4.5.2.6.1.1 Confirmation message

Table 9-147 Warning pop-up window

Items	Description
"The certificate will be overwritten." "Communication will be shut down temporarily."	The pop-up window is displayed to show a warning message if a Client Certificate was imported already.

9.4.5.2.6.1.2 Button

The wording of the OK button and the Cancel button is displayed according to the display specifications for each Web browser.

Table 9-148 Button

Items	Description
"OK"	Copies and overwrites all of the imported certificates. The button to go to the result page.
"Cancel"	The button to go back to the Import Top Page.

9.4.5.2.6.2 Result Page

When the "OK" button is pressed, result page will be displayed.

9.4.5.2.6.2.1 Setting Result

Table 9-149 Setting Result

Items	Description	Transit from Warning pop-up	Result page
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when copying and overwriting is completed. The network shuts down for updating.	Yes	Yes
"Setup failed."	This message is shown when copying and overwriting fails.	Yes	Yes

9.4.5.2.7 Generate CSR(Certificate Signing Request)

9.4.5.2.7.1 Generate Top Page

This page is shown after 'Generate' for importing in the CSR settings is pressed.
The format of the indicated page is the same as "SSL/TLS > Certificate> Generate CSR".

9.4.5.2.7.1.1 Image

The screenshot shows the EPSON Network Security interface. The left sidebar contains a tree view with categories like Protocol, CA Certificate, Root Certificate Update, SSL/TLS, IPsec/IP Filtering, and IEEE802.1X. The main content area is titled 'IPsec/IP Filtering > Client Certificate'. It features several input fields: 'Key Length' (a dropdown menu set to 'RSA 2048bit - SHA-256'), 'Common Name' (a text box containing 'EPSONC7615C, EPSONC7615C.local, 0.0.0.0'), 'Organization', 'Organizational Unit', 'Locality', 'State/Province', 'Country', and 'Sender's Email Address'. At the bottom, there are 'OK' and 'Back' buttons. Two blue callout boxes are present: one labeled 'Setting Items' pointing to the input fields, and another labeled 'Button' pointing to the 'Back' button.

Figure 9-53 Generate CSR(Certificate Signing Request)

9.4.5.2.7.1.2 Setting Items

The user must enter the following information to generate CSR.
The following table shows the items on the page.

Table 9-150 Setting Items

Items	Description
"Key Length"	Use the drop-down list to choose the public key size for generating CSR. "RSA 1024bit- SHA-1" / "RSA 2048bit- SHA-256" / "RSA 3072bit - SHA-256" / "EC 256bit- SHA-256" / "RSA 4096bit - SHA-384" / "EC 384bit - SHA-384" / "EC 521bit- SHA-512"
"Common Name"	Use the text box to input a common name for generating CSR. Entering information is mandatory for generating CSR. Set a string with from 1 to 128 characters in the IPv4 address, IPv6 address, host name, or FQDN format. Commas (",")(0x2c) have a special meaning as control characters. See the NOTE below.
"Organization"	Use the text box to input the organization for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Organizational Unit"	Use the text box to input the organization unit for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Locality"	Use the text box to input a locality for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"State/Province"	Use the text box to input a state or province for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Country"	Use the text box to input the country for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 2 characters If there is no string, the value is treated as a white space.
"Sender's Email Address"	Specify the source address for sending e-mail. Enter an ASCII character string in the range of 0 to 255 characters in the text box. (Excluding: () <> [] ; ¥ " , ')

NOTE: You can enter multiple names for these items.

9.4.5.2.7.1.3 Button

When the “Generate” button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 9-151 Button

Items	Description
"OK"	Button for generating CSR at the bottom of the main frame.
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

Table 9-152 Error Pop-up

Items	Description
"Invalid value below. ¥n -%s¥n -%s¥n..."	Shows a warning when a value is entered incorrectly.

9.4.5.2.7.2 Result Page

After the Generate CSR button is pressed, Web Config goes to the Result page.

9.4.5.2.7.2.1 Image

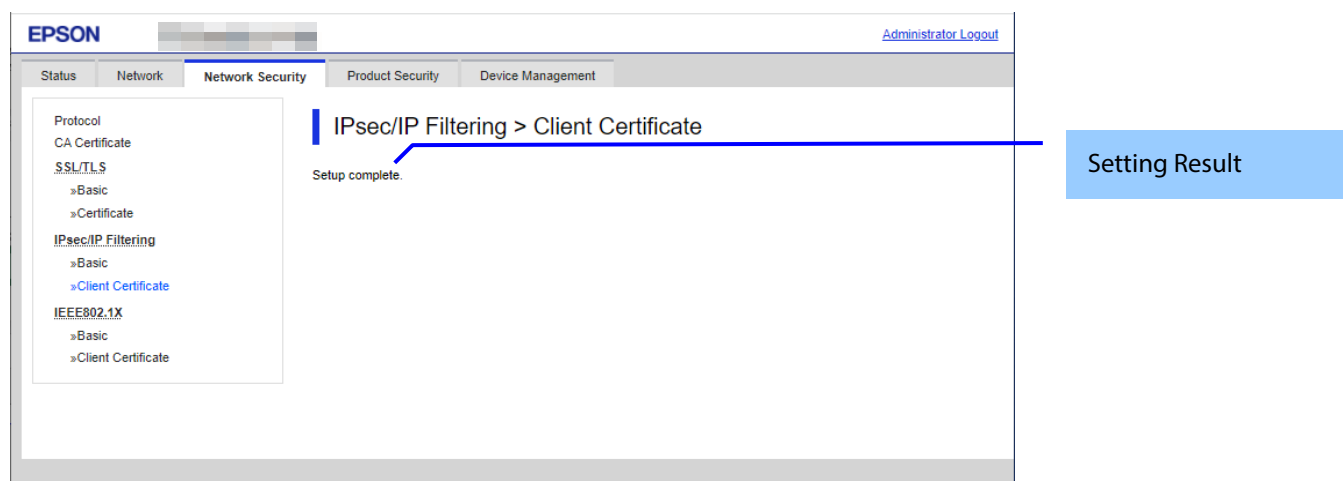


Figure 9-54 Result Page

9.4.5.2.7.2.2 Setting Result

Table 9-153 Setting Result

Items	Description
"Setup complete."	This message is shown when the settings are completed.
"Setup failed."	This message is shown if the settings fail.

9.4.5.2.8 Download CSR(Certificate Signing Request)

This page is shown after ‘Download’ for importing in the CSR settings is pressed.

The default name of the downloaded file is in the form of “EXPORT_CSR_<Serial Number>_<Date and Time>”.

<Serial Number> is the Product’s Serial Number.

<Date and Time> is the Date and Time set for the product.

The method of downloading the CSR varies by Web browser.

9.4.6 IEEE802.1X

In the IEEE802.1X settings area, you can configure the settings related to the HTTP server the printer supports.

Table 9-154 Sub menu

Sub menu
"Basic"
"Client Certificate"

9.4.6.1 Basic

9.4.6.1.1 Top Page in Basic Settings

9.4.6.1.1.1 Image

The following figure shows the layout of the settings for IEEE802.1X basic.

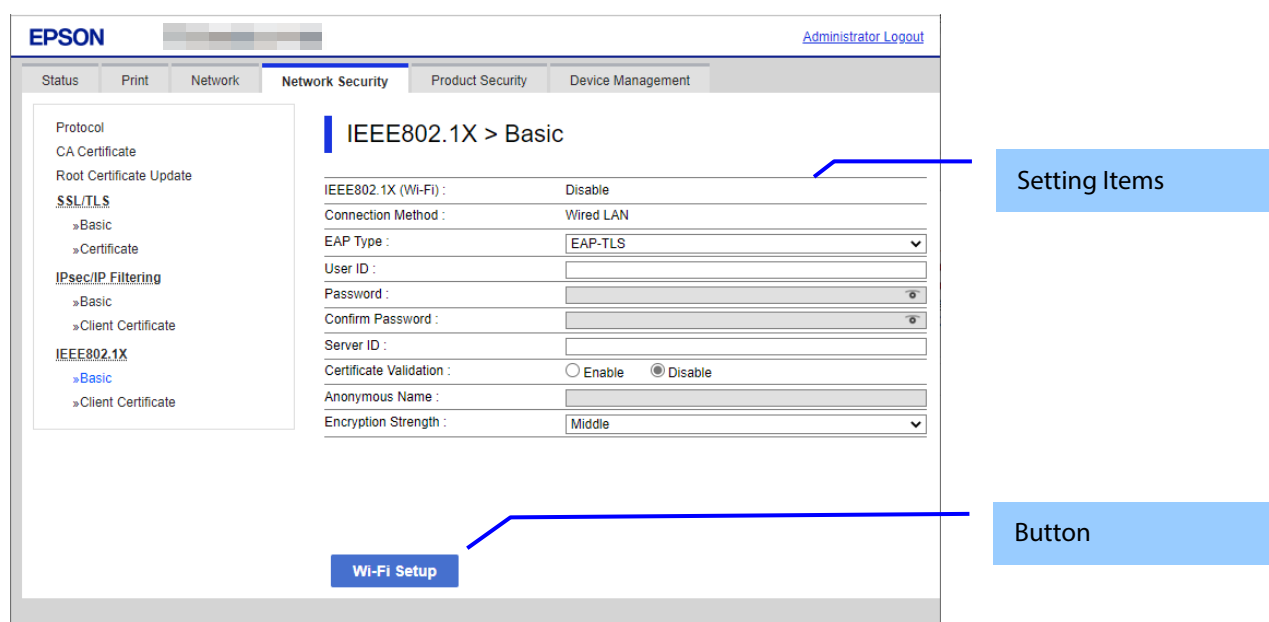


Figure 9-55 IEEE802.1X Top Page in Basic Settings

9.4.6.1.1.2 Setting Items

The following figure shows the layout of this settings area.

Table 9-155 Setting Items

Items	Description	Condition
"IEEE802.1X (Wired LAN)"	Use the radio buttons to select "Enabled" or "Disabled".	Only products that support Wired LAN.
"IEEE802.1X (Wi-Fi)"	Display "Enable" or "Disable"	Read Only - Only printers that support WPA2/WPA3-Enterprise.
"Connection Method"	Display "Wired LAN" / "Wi-Fi" / "Disable".	Read Only - Only WPA2/WPA3-Enterprise support printers.
"EAP Type"	- If it is not equipped with Wi-Fi chip. Select "EAP-TLS" / "PEAP-TLS" / "PEAP/MSCHAPv2" by drop-down list. - If it is equipped with Wi-Fi chip. Select "EAP-TLS" / "EAP-TTLS" / "PEAP-TLS" / "PEAP/MSCHAPv2" by drop-down list.	-
"User ID"	A text box is provided. The string must be from 0 to 128 bytes with characters in ASCII codes. (0x20 - 0x7E)	-

"Password"	A text box is provided. The string must be from 1 to 128 bytes with characters in ASCII codes. (0x20 - 0x7E) If "EAP Type" is "PEAP/MSCHAPv2" or "EAP-TTLS", character must be entered.	- Not equipped with Wi-Fi chip Can be entered by the user when "EAP Type" is "PEAP/MSCHAPv2". - Equipped with Wi-Fi chip Can be entered by the user when "EAP Type" is "PEAP/MSCHAPv2" or "EAP-TTLS".
"Confirm Password"	Same as Password.	Same as Password
"Server ID"	A text box is provided. The string must be from 0 to 128 bytes with characters in ASCII codes. (0x20 - 0x7E)	-
"Certificate Validation"	Two radio buttons are provided to choose one of the following: "Enable" / "Disable"	Display only models other than TM-m50II-H.
"Certificate Validation (Wired LAN)"	A radio button is provided to choose either of the following: "Enable" / "Disable"	Displayed only for the TM-m50II-H.
"Anonymous Name"	A text box is provided. The string must be from 0 to 128 bytes with characters in ASCII codes. (0x20 - 0x7E)	- When "EAP Type" is "PEAP-TLS", "PEAP/MSCHAPv2" or "EAP-TTLS", user can enter.
"Encryption Strength"	Select "Middle" / "High" by drop-down list.	-

9.4.6.1.1.3 Button

Table 9-156 Button

Items	Description	Condition
"Next"	If pressed, Web Config goes to the Confirm IEEE802.1X Settings page. For RED-compliant printers, a security warning pop-up will appear before transitioning to the next page.	Only Wired LAN support products.
"Wi-Fi Setup"	This is displayed for RED-compliant printers. If pressed, the WebConfig transitions to the SSID Search page.	Only products that support WPA2/WPA3-Enterprise.

If Web Config recognizes an error in the entered value after the button is pressed, the following error pop-up is shown.

Table 9-157 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the value entered in the text box is invalid. The item names of the corrected values are shown under the message in the left cell. If there are two or more items whose values were corrected, those items are listed line by line.
"Passwords you entered do not match."	When the password and the confirmation password do not match, this message is shown.

Table 9-158 Security warning pop-up

Items	Description
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	For RED-compliant printers, clicking the "Next" button will display a confirmation pop-up.

9.4.6.1.2 SSID Search Page

When the “Wi-Fi Setup” button is pressed, Web Config goes to the SSID Search page as shown below. If Web Config confirms periodically that an SSID search has been triggered by access to this page or by pressing the Refresh button, it goes to the Wi-Fi Settings page. If the SSID search has not been completed, Web Config remains on this page. If an SSID search is not possible, Web Config shows the failure result page.

9.4.6.1.2.1 Image

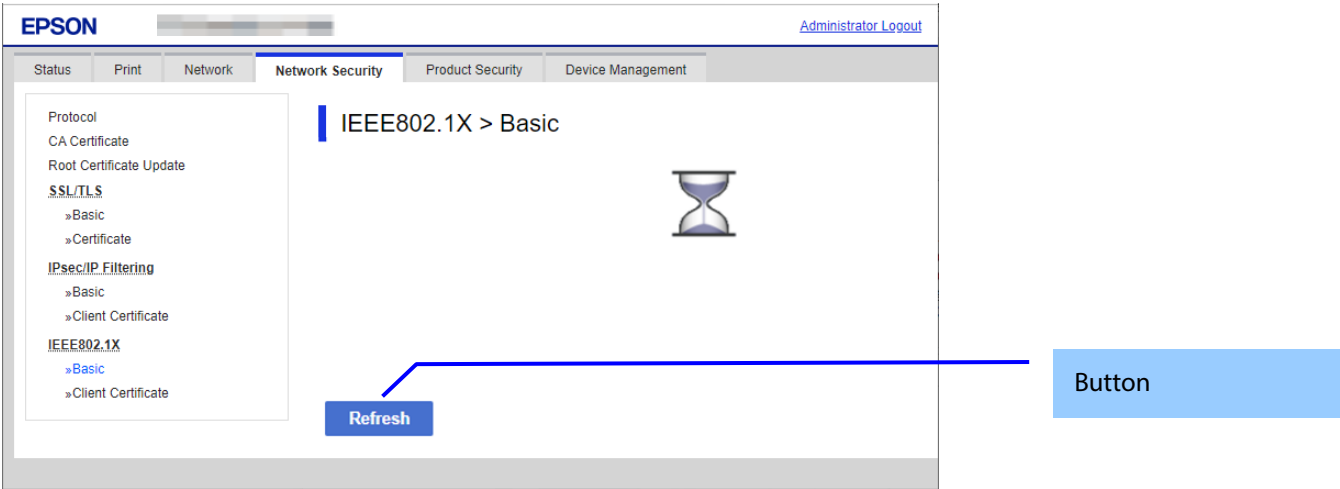


Figure 9-56 SSID Search Page

9.4.6.1.2.2 Button

Table 9-159 Button

Items	Description
"Refresh"	After the Refresh button is pressed, Web Config goes to the Wi-Fi Settings page if an SSID search has been completed. If an SSID search has not been completed, Web Config remains on the SSID Search page.

9.4.6.1.3 Wi-Fi Settings Page

If the Web Config confirms periodically that an SSID search has been done triggered by transition to this page or pressing the Refresh button, it goes to the Wi-Fi Settings page as below. You can choose a SSID on the searched SSID list by choosing a radio button or choose a radio button to specify any SSID manually.

9.4.6.1.3.1 Image

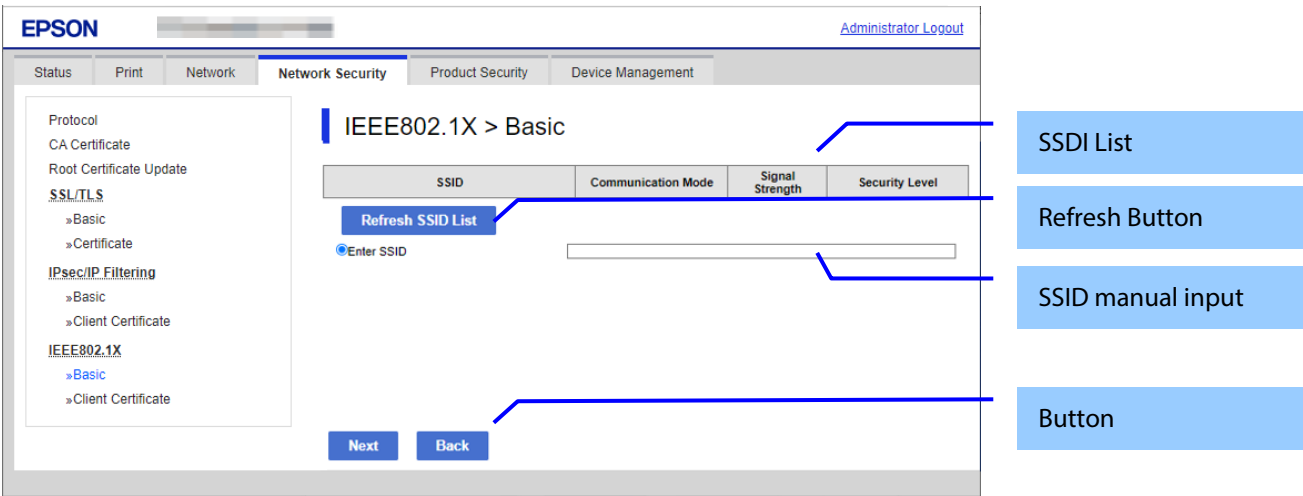


Figure 9-57 Wi-Fi Settings Page

9.4.6.1.3.2 SSID List

Choose an SSID from the list of searched SSIDs as shown below. A list of up to 10 searched SSIDs (only WPA2/WPA3-Enterprise SSIDs) is sorted by signal strength level (strong -> weak).

Table 9-160 SSID List

Items	Description	Condition
"SSID"	Shows the name of each SSID.	-
"Communication Mode"	Shows either of the following communication modes: "Infrastructure"	-
"Signal Strength"	Shows one of the following signal strengths: "Excellent" / "Good" / "Fair" / "No Good" / "Unknown"	This item is displayed for models that use the Wi-Fi chip.
"Security Level"	Shows one of the following security levels: "WPA2/WPA3-Enterprise"	-

9.4.6.1.3.3 SSID Manual Input

You can specify any SSID manually.

Table 9-161 SSID Manual Input

Items	Description
"Enter SSID"	A text box is provided so the user can enter an SSID manually. The string must have 1 to 32 characters. (ASCII codes: 0x20 - 0x7E)

9.4.6.1.3.4 Refresh Button

The Refresh button provides the user with the updated SSID list.

Table 9-162 Refresh Button

Items	Description
"Refresh SSID List"	If pressed, Web Config shows the SSID Search page.

9.4.6.1.3.5 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 9-163 Button

Items	Description
"Next"	This button is used to go forward with Wi-Fi Setup based on the values entered on the Wi-Fi Setup page. If pressed, Web Config goes to the Confirmation page without applying the changes.
"Back"	If pressed, Web Config discards the entered values and goes to the top page of Wi-Fi Setup.

When the "Apply" button is pressed, Web Config displays a pop-up window that shows the following message if it recognizes an error in the entered value.

Table 9-164 Error Pop-up

Items	Description
"Invalid value below."	This message is shown when the value entered for SSID is invalid. The item name of the invalid value is shown under the message in the left cell.

9.4.6.1.4 Confirm IEEE802.1X Settings Page

If the Next button is pressed on the IEEE802.1X Top page or Wi-Fi Settings page, Web Config goes to the Confirm IEEE802.1X Settings page.

9.4.6.1.4.1 Image

The screenshot shows the 'Confirm IEEE802.1X > Basic' page in the EPSON Web Config interface. The page has a sidebar with navigation links like 'Protocol', 'CA Certificate', 'Root Certificate Update', 'SSL/TLS', 'IPsec/IP Filtering', and 'IEEE802.1X'. The main content area displays a list of settings to be confirmed, including SSID, Communication Mode, Security Level, EAP Type, User ID, Server ID, Certificate Validation, and Encryption Strength. A blue box labeled 'Input Information' points to the 'User ID' field, and another blue box labeled 'Button' points to the 'Back' button at the bottom.

Figure 9-58 Confirm IEEE802.1X Settings Page

9.4.6.1.4.2 Input Information

The display items for entered information are changed from the top page or the Wi-Fi settings page.

Display items of input information is changed from top page or Wi-Fi settings page.

Table 9-165 Comparison of Display Items

Items	From Top Page	From Wi-Fi Settings Page
"SSID"	-	✓
"Communication Mode"	-	✓
"Security Level"	-	✓
"IEEE802.1X(Wired LAN)"	✓	✓
"EAP Type"	✓	✓
"User ID"	✓	✓
"Password"	✓	✓
"Server ID"	✓	✓
"Anonymous Name"	✓	✓
"Encryption Strength"	✓	✓

✓ : display, - : hide

Disabled items on the top page are hidden.

Table 9-166 Description

Items	Description	Condition
"Confirm the following settings."	This message is shown at the top of the page, followed by the setting items and their values.	-
"Communication will be shut down temporarily to enable the new settings." "You cannot access the network immediately after the settings are changed." "Depending on the changes, you may not be able to connect to Web Config."	This message is shown at the bottom of the page.	-

<The case of product without LCD panel> "If connection is lost unintentionally, initialize the network settings on the product's control panel. And then configure it again." <The case of scanner with LCD panel> "If connection is lost unintentionally, disable IEEE802.1X on the product's control panel. And then configure it again."	This message is shown at the bottom of the page.	- Only from top page
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9.4.6.1.4.3 Button

There is a button to proceed to the remaining settings based on the values entered on this page, and a button to go back to the previous page.

Table 9-167 Button

Items	Description
"Apply"	This button is used to apply the entered values to the system shown on the Confirm IEEE802.1X Settings page. If pressed, Web Config goes to the Result page.
"Back"	This button is used to go back to the IEEE802.1X Top page in Basic Settings or on the Wi-Fi Settings page.

9.4.6.1.5 Result Page

The following figure shows the page that is displayed after the network settings are processed.

9.4.6.1.5.1 Image

The content of the Result page will vary based on the result (success or failure).

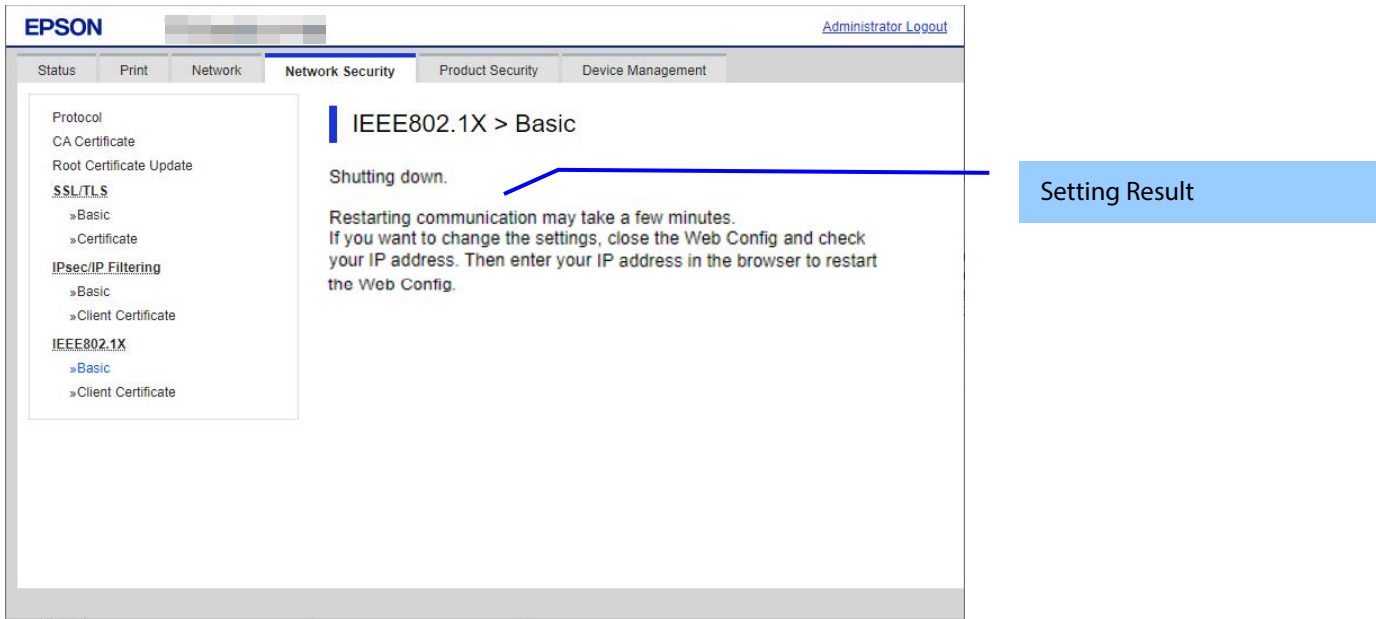


Figure 9-59 Result Page

9.4.6.1.5.2 Setting Result

Table 9-168 Setting Result

Items	Description
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when the settings are completed. The network shuts down in order to update.
"Setup failed."	- This message is shown if the settings fail.

9.4.6.2 Client Certificate

9.4.6.2.1 Top Page

The following figure shows the layout of the top page for certificate settings.
The format of the indicated page is the same as “IPsec/IP Filtering > Importing for Client certificate”.

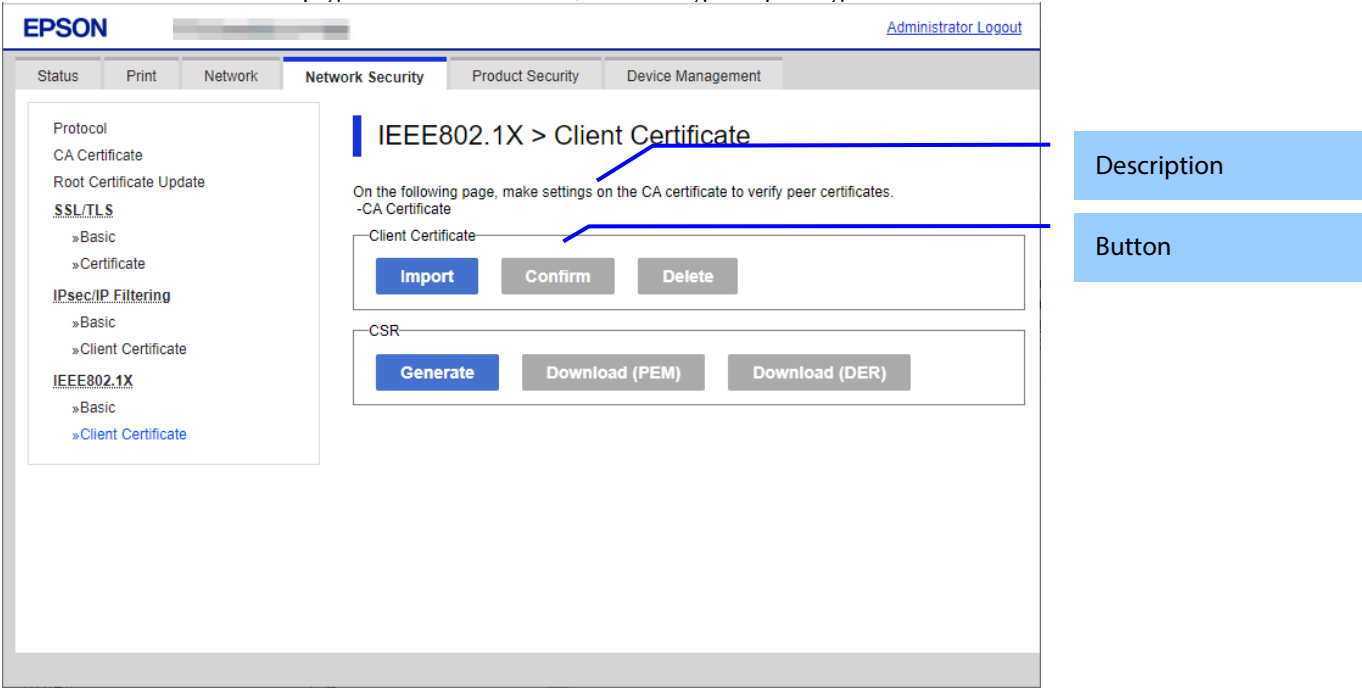


Figure 9-60 Top Page

9.4.6.2.1.1 Description Items

Table 9-169 Description Items

Items	Description
"On the following page, make settings on the CA certificate to verify peer certificates." "-CA Certificate"	Fixed Strings

9.4.6.2.1.2 Copy List

You can choose other functions to copy the certificate to this function.

9-170 Copy List

Items	Description	Condition
"Copy From"	Use the drop-down list to make a choice. "Certificate for SSL/TLS" / "Certificate for IPsec" "Certificate for SSL/TLS" is displayed when Client Certificate is imported in SSL/TLS page. "Certificate for IPsec" is displayed when Client Certificate is imported in IPsec page. "Certificate for S/MIME" is displayed when Client Certificate is imported in S/MIME page.	"Copy From" is displayed when the Client Certificate is imported on the following page: · SSL/TLS page · IPsec page · S/MIME page

The following table shows the buttons on the page.

Table 9-171 Button

Items (Group Name)	Items (Button Name)	Description	Condition
"Client Certificate"	"Import"	Button for importing Client certificate	-
	"Confirm"	Button for confirming the imported Client certificate	Client certificate imported.
	"Delete"	Button for deleting the imported Client certificate	Client certificate imported
	"Copy"	Button for copying client certificates from other functions If the client certificate has already been imported with this feature, or if the printer is a RED-compliant printer, a warning pop-up will appear. Web Config displays a result page if a Client Certificate was NOT imported in this function.	The "Copy" button is displayed when the Client Certificate is imported on the following page · SSL/TLS page · IPsec page
"CSR"	"Generate"	- Button for moving to the settings page to generate CSR	-
	"Download (PEM)"	- Button for downloading the CSR data in PEM format	-CSR created.
	"Download (DER)"	- Button for downloading the CSR data in PEM format	-CSR created.

Table 9-172 Warning pop-up window

Items	Description
"The certificate will be overwritten." "Communication will be shut down temporarily."	The pop-up window is displayed to show a warning message if the input value is NOT invalid and a Client Certificate was imported already.
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	The pop-up is displayed for RED-compliant printers.

9.4.6.2.2 Result Page

The following result is shown in the main frame after the “Copy” button is pressed.

9.4.6.2.2.1 Image

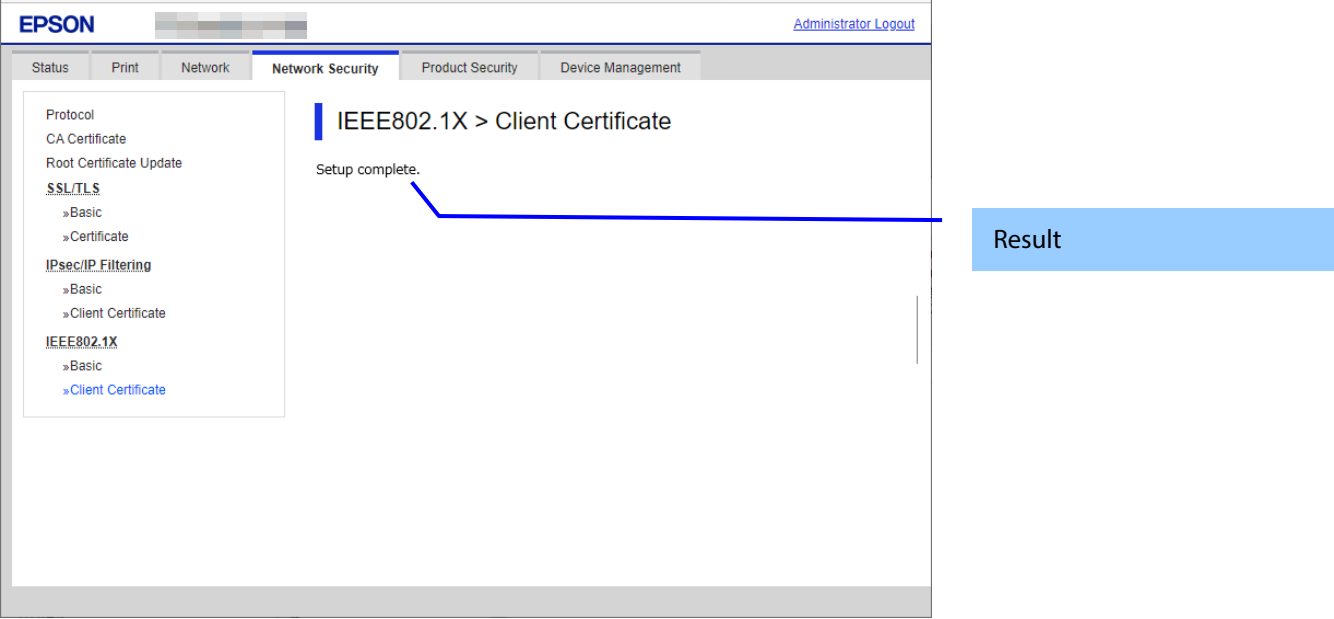


Figure 9-61 Result Page

9.4.6.2.2.2 Result

Table 9-173 Result Page

Items	Description
"Setup complete."	This message is shown when importing without overwriting is completed.
"Setup failed."	This message is shown if the settings fail.

9.4.6.2.3 Importing for Client Certificate

9.4.6.2.3.1 Import Top Page

This page is shown after the 'Import' button in the Client certificate settings is pressed.
The format of the indicated page is the same as "IPsec/IP Filtering > Importing for Client certificate".

9.4.6.2.3.1.1 Setting Items

On the Import Top Page, the following items can be controlled by the administrator.

Table 9-174 Setting Items

Items	Description	Condition
"Client Certificate"	Enter the file of the Client certificate to import it into the printer. You can also use the file button to select the file.	-
File Format	Choose the file format of the server certificate to import it into the printer. "Certificate (PEM/DER)" / "Certificate with Private Key (PKCS#12)"	-
"Private Key"	Enter the private key file of the server certificate to import it into the printer. You can also use the file button to select the file.	Only when certificate (PEM/DER) is selected
"Password"	Enter the passphrase for encryption to create a private key. Usable string: ASCII code (0x20-0x7E) Max of 48 characters.	Only if certificate with private key (PKCS#12) is selected
"CA Certificate 1"	Enter the file of the certificate signed by CA issuing the server certificate to import it into the printer. You can also use the file button to select the file. Max of 255 characters.	In certificate (PEM/DER) selected only.
"CA Certificate 2"	Enter the file of the certificate signed by CA issuing the first CA certificate to import it into the printer. It also is able to select the file using file button.	In certificate (PEM/DER) selected only.

9.4.6.2.3.1.2 Description Items

Table 9-175 Description Items

Items	Description
"Note: It is recommended to communicate via HTTPS for importing a certificate."	Fixed Strings

9.4.6.2.3.1.3 Button

The following table shows the button on the page.

Table 9-176 Button

Items	Description
"OK"	Button at the bottom of the main frame to perform importing. After the "OK" button is pressed, Web Config performs the following operations depending on conditions. - If the entered value is invalid, Web Config displays a pop-up window with an error message. - If the entered value is NOT invalid and a Client Certificate was imported already, Web Config displays a pop-up window with a warning message. - If the entered value is NOT invalid and a Client Certificate was NOT imported already, Web Config displays a Result page. - For RED-compliant printers, a security warning pop-up will appear before transitioning to the next page.
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

9.4.6.2.3.2 Error Pop-up Window

If the “OK” button is pressed, the error pop-up window is shown if the entered value is invalid.
The format of the indicated page is the same as “IPsec/IP Filtering > Importing for Client certificate”.

9.4.6.2.3.2.1 Confirmation Message

Table 9-177 Error Pop-up Window

Items	Description
"Select a Client Certificate."	This message is shown when the file of the client certificate is not selected.
"CA Certificate 1 is not entered."	If the file of the CA certificate1 is not selected but the CA certificate is selected, this message is shown.
"Invalid value below."	Shown if an entered value error occurs

9.4.6.2.3.2.2 Button

The wording of the OK button is displayed according to the display specifications for each Web browser.

Table 9-178 Button

Items	Description
"OK"	Button for going back to the Import Top Page.

9.4.6.2.3.3 Warning Pop-up Window

If the “OK” button is pressed, the error pop-up window is shown if the Server Certificate was imported already.
The format of the indicated page is the same as “IPsec/IP Filtering > Importing for Client certificate”.

9.4.6.2.3.3.1 Confirmation Message

Table 9-179 Warning Pop-up Window

Items	Description
"The certificate will be overwritten." "Communication will be shut down temporarily."	If the entered value is NOT invalid and a Client Certificate was imported already, a pop-up window with a warning message is displayed.
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	The pop-up is displayed for RED-compliant printers.

9.4.6.2.3.3.2 Button

The wording of the OK button and the Cancel button is displayed according to the display specifications for each Web browser.

Table 9-180 Button

Items	Description
"OK"	Overwrites all of the imported certificates Button for going to the result page.
"Cancel"	Button for going back to the Import Top Page.

9.4.6.2.3.4 Result Page

The following result is shown in the main frame after the “OK” button is pressed.
The format of the indicated page is the same as “IPsec/IP Filtering > Importing for Client certificate”.

9.4.6.2.3.4.1 Result

Table 9-181 Result

Items	Description	Redirect from Import Top Page	Redirect from Warning Pop-up	Redirect after Pressing Reboot Network Button
"Setup complete."	This message is shown when importing is completed.	Yes	No	No
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when importing and overwriting are completed. The network shuts down in order to update.	No	Yes	Yes
"Invalid password."	This message is shown when the entered password is invalid.	Yes	Yes	No
"Invalid file."	This message is shown in the following cases. - The file uses an incorrect format or wrong interrelation. - The file size is greater than the stipulated range of 5k to 24k. (See the note.) - The private key and certificate do not match. - Incorrect chain.	Yes	Yes	No
"Invalid date and time."	This message is shown when an expired certificate is imported, and the date and time are not set.	Yes	Yes	No
"The certificate has expired. Check if the certificate is valid, or check the date and time on the product."	This message is shown when an expired certificate is imported, and the date and time are already set.	Yes	Yes	No
"Cannot use the Client Certificates that include more than three CA certificates."	This message is shown when a server certificate that includes more than 3 CA-signed certs is imported in PSCS#12.	Yes	Yes	No
"Private key is required."	This message is shown when a private key is required.	Yes	Yes	No
"Setup failed."	This message is shown when importing fails.	Yes	Yes	No
"Setup failed." "Click [Reboot Network] to apply the settings." "Communication will be shut down temporarily." "The setting may be applied to the communication after other settings are changed or the device is restarted."	This message is shown when a network reboot fails.	No	Yes	Yes

Note: If the size of a certificate to be imported is larger than 24KBytes, the device is unable to read it and a Web browser error is shown.

9.4.6.2.3.4.2 Button

Table 9-182 Button

Items	Description	Condition
"Reboot Network"	Reboots the network If the network reboot is successful, Web Config displays the successful result page. If the network reboot fails, Web Config displays the same page.	If the network reboot fails

9.4.6.2.4 Confirm for Client Certificate

This page is shown after 'Confirm' for the import is pressed in the Client certificate settings.
The format of the indicated page is the same as "IPsec/IP Filtering > Confirm for Client certificate".

9.4.6.2.4.1 Display Items

Table 9-183 Display Items

Items	Description
"Client Certificate"	Shows the content of the server certificate imported into the printer
"CA Certificate 1"	Shows the content of the first CA-signed certificate imported into the printer
"CA Certificate 2"	Shows the content of the second CA-signed certificate imported into the printer

9.4.6.2.4.2 Button

Table 9-184 Button

Items	Description
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

9.4.6.2.5 Delete for the Client Certificate

9.4.6.2.5.1 Warning Pop-up Window

A pop-up window is shown when the import "Delete" button for the Client certificate setting is pressed.

9.4.6.2.5.1.1 Confirmation message

Table 9-185 Pop-up window

Items	Description
"Certificate(s) will be deleted."	Static strings.
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	This is displayed for RED-compliant printers.

9.4.6.2.5.1.2 Button

Table 9-186 Button

Items	Description
"OK"	Deletes all of the imported certificates.
"Cancel"	The button to go back to the top page of the certificate settings.

9.4.6.2.5.2 Result Page

The following result is shown in the main frame after the “OK” button is pressed.

9.4.6.2.5.2.1 Image



Figure 9-62 Result Page

9.4.6.2.5.2.2 Result

Table 9-187 Result Page

Items	Description
"Setup complete."	This message is shown when deleting the certificate is successful.
"Setup failed."	This message is shown when deleting the certificate fails.

9.4.6.2.6 Copying and Overwriting a Client Certificate

9.4.6.2.6.1 Warning Pop-up Window

A pop-up window is shown when the 'Copy' is pressed if the Client Certificate was imported with this function. The format of the indicated page is the same as "Importing for CA-signed certificate".

9.4.6.2.6.1.1 Confirmation Message

Table 9-188 Warning Pop-up Window

Items	Description
"The certificate will be overwritten." "Communication will be shut down temporarily."	If the Client Certificate was imported already, a pop-up window with a warning message is displayed.

9.4.6.2.6.1.2 Button

The wording of the OK button and the Cancel button is displayed according to the display specifications for each Web browser.

Table 9-189 Button

Items	Description
"OK"	Overwrites all of the imported certificates Button for going to the result page.
"Cancel"	Button for going back to the Import Top Page.

9.4.6.2.6.2 Result Page

The following result is shown in the main frame after the "OK" button is pressed. The format of the indicated page is the same as "IPsec/IP Filtering > Copying and overwriting Client certificate".

9.4.6.2.6.2.1 Result

Table 9-190 Result

Items	Description	Transit from Warning Pop-up	Result Page
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This message is shown when copying and overwriting are completed. The network shuts down in order to update.	Yes	Yes
"Setup failed."	This message is shown when copying and overwriting fail.	Yes	Yes

9.4.6.2.7 Generate CSR(Certificate Signing Request)

9.4.6.2.7.1 Generate Top Page

This page is shown after 'Generate' for importing in the CSR settings is pressed.
The format of the indicated page is the same as "SSL/TLS > Certificate> Generate CSR".

9.4.6.2.7.1.1 Setting Items

The user must enter the following information to generate CSR.
The following table shows the items on the page.

Table 9-191 Setting Items

Items	Description
"Key Length"	Use the drop-down list to choose the public key size for generating CSR. "RSA 1024bit - SHA-1" / "RSA 2048bit - SHA-256" / "RSA 3072bit - SHA-256" / "EC 256bit - SHA-256" / "RSA 4096bit - SHA-384" / "EC 384bit - SHA-384" / "EC 521bit - SHA-512"
"Common Name"	Use the text box to input a common name for generating CSR. Entering information is mandatory for generating CSR. Set a string with from 1 to 128 characters in the IPv4 address, IPv6 address, host name, or FQDN format. Commas (",")(0x2c) have a special meaning as control characters. See the NOTE below.
"Organization"	Use the text box to input the organization for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Organizational Unit"	Use the text box to input the organization unit for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Locality"	Use the text box to input a locality for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"State/Province"	Use the text box to input a state or province for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 64 characters If there is no string, the value is treated as a white space.
"Country"	Use the text box to input the country for generating CSR. Usable string: US-ASCII (0x20-0x7e), Max. 2 characters If there is no string, the value is treated as a white space.
"Sender's Email Address"	Specify the source address for sending e-mail. Enter an ASCII character string in the range of 0 to 255 characters in the text box. (Excluding: () <> [];¥",')

NOTE: You can enter multiple names for these items.

9.4.6.2.7.1.2 Button

Table 9-192 Button

Items	Description
"OK"	Button for generating CSR at the bottom of the main frame
"Back"	Button at the bottom of the main frame for going back to the top page of the certificate settings.

When the "Generate" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 9-193 Error Pop-up

Items	Description
"Invalid value below. ¥n -%s¥n -%s¥n..."	Shows a warning when a value is entered incorrectly.

9.4.6.2.7.1.3 Result Page

After the Generate CSR button is pressed, Web Config goes to the Result page.

Table 9-194 Setting Result

Items	Description
"Setup complete."	This message is shown when the settings are completed.
"Setup failed."	This message is shown if the settings fail.

9.4.6.2.8 Download CSR(Certificate Signing Request)

This page is shown after 'Download' for importing in the CSR settings is pressed.

The default name of the downloaded file is in the form of "EXPORT_CSR_<Serial Number>_<Date and Time>".

<Serial Number> is the Product's Serial Number.

<Date and Time> is the Date and Time set for the product.

The method of downloading the CSR varies by Web browser.

9.5 Product Security

9.5.1 Password Encryption

9.5.1.1 Top Page

9.5.1.1.1 Image

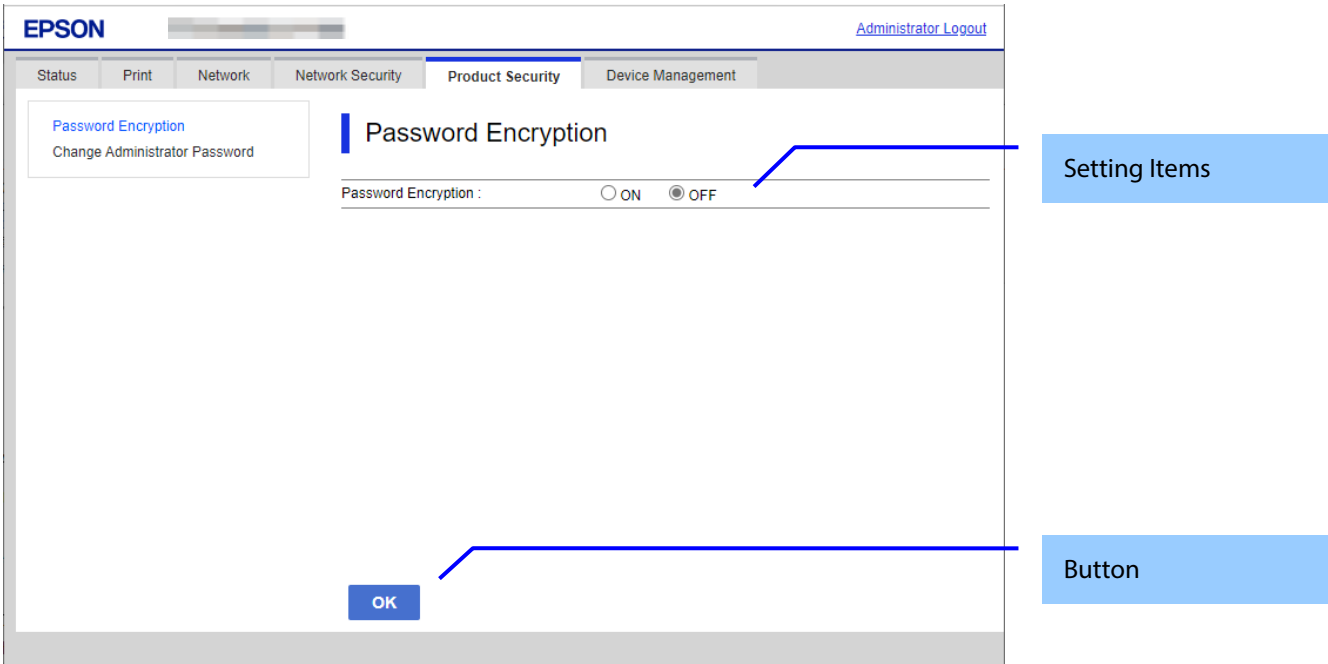


Figure 9-63 Password Encryption

9.5.1.1.2 Setting Items

The following table shows the item on the page.

Table 9-195 Setting Items

Items	Description	Condition
"Password Encryption"	Two radio buttons are provided to choose either of the followings: "ON" / "OFF"	Display only on software encryption models.
"Password Encryption"	Display the following set values as a string. "ON" / "OFF"	Display only on TPM encryption models.

9.5.1.1.3 Button

The following table shows the button on the page.

Table 9-196 Button

Items	Description	Condition
"OK"	The button on bottom of the main frame to perform setting.	Display only on software encryption models.

9.5.1.1.4 Confirmation Dialog

Table 9-197 Confirmation Dialog

Items	Description
"Restart the printer to apply the password encryption setting. If you turn the power off while restart is in progress, data may be damaged and the printer settings are restored to defaults."	Displayed when "Setting" button is pressed.
"Changing this setting may affect the protection of your personal information. For information about security risks resulting from changing the settings, please refer to the Security Guidebook at the following URL: https://support.epson.net/security Change the setting?"	This is displayed for RED-compliant printers.

9.5.1.2 Result Page

The result message is shown on the main frame after “OK” button is pressed.

9.5.1.2.1 Image



Figure 9-64 Result Page

9.5.1.2.2 Setting Result

Table 9-198 Result Page

Items	Description
"Setup complete."	This message is shown when the settings are completed successfully.
"Setup failed."	This message is shown if setup is failed.

9.5.2 Audit Log

This is displayed when RED is enabled.

9.5.2.1 Top Page

9.5.2.1.1 Setting Items

The following table shows the setting items for "Audit log setting".

Table 9-199 Setting Items

Items	Description
"Audit log setting"	Two radio buttons are provided to choose either of the followings: "ON" / "OFF"

9.5.2.1.2 Display Items

The following table shows the display items for outputting audit logs.

Table 9-200 Display Items

Items	Description
"Exports the audit logs to the CSV file."	Fixed string

The following table shows the display items for deleting all audit logs.

Table 9-201 Display Items

Items	Description
"Deletes all audit logs."	Fixed string

9.5.2.1.3 Button

The following table shows the buttons on the page.

Table 9-202 Button

Items	Description
"OK"	The button on the bottom of the "Audit log setting" to perform settings.
"Export"	When the "Export" button is pressed, the CSV file for the recorded audit log is output. If creating of the CSV file fails, an error page is shown. The default name of the downloaded file is in the form of "Devlog_<Serial Number>_<Date and Time>". <Serial Number> is the Serial Number for the product. <Date and Time> is Date and Time set for the product.
"Delete"	When the "Delete" button is pressed, the error pop-up window is shown.

Table 9-203 Pop-up

Items	Description
"Delete all?"	When the "Delete" button is pressed, this pop-up is shown. If the "OK" button is pressed, all audit logs are deleted and the result page is shown. If the "Cancel" button is pressed, the screen returns to the Audit log top page.

9.5.2.2 Result Page

When the "OK" button is pressed, result page will be displayed.

9.5.2.2.1 Setting Result

Table 9-204 Result

Items	Description
"Setup complete."	This message is shown when the "OK" button is pressed and the settings are completed.
"Failed to export the file." "Try again later."	This message is shown when the "Export" button is pressed and log output failed. If log output is executed simultaneously with other interfaces, output will fail.(This case is very rare)
"All logs deleted successfully."	This message is shown when the "Delete" button is pressed and all items are cleared.
"Setup failed."	This message is shown if setup fails.

9.5.3 Change Administrator Password

In this area, the user can change the authentication information for an administrator.
The settings that are configured by the user in this area are used when an administrator logs on.

9.5.3.1 Top Page

9.5.3.1.1 Image

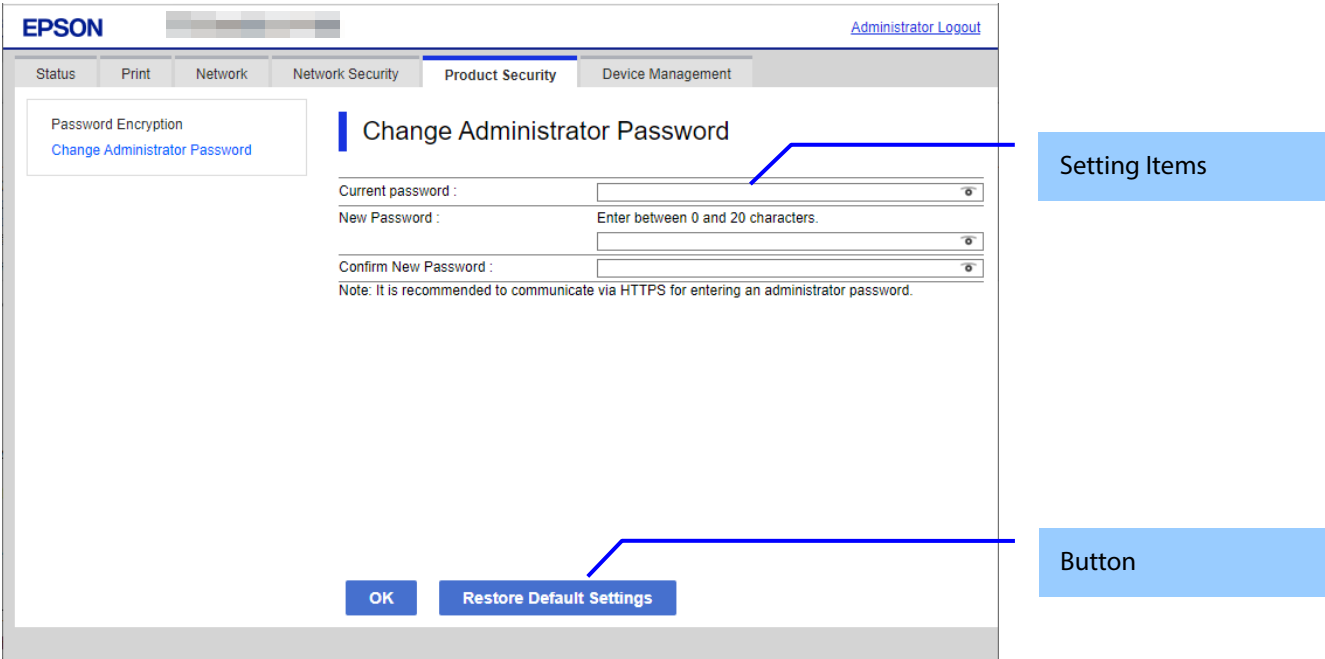


Figure 9-65 Change Administrator Password

9.5.3.1.2 Setting Items

The following table shows the items on the page.

Table 9-205 Setting Items											
Items	Description	Condition									
"Current password"	Text box for entering the current password	-									
"User Name"	A text box to input current user name. Usable string: ASCII code (0x20-0x7E) between 0 and 20 characters.	-									
"Enter between 0 and 20 characters."	A message for inputting characters.	-									
"New Password"	Text box for entering the current user's name. Usable string: ASCII code (0x20-0x7E) from 0 to 20 characters.	-									
"Enter between %d and 20 characters. "	A message for inputting characters. *Max: Refer to Network Function Table. <table><tr><th>Model</th><th>"Password Policy"</th><th>*Min</th></tr><tr><td>RED/UK PSTI</td><td>-</td><td>8</td></tr><tr><td>Other</td><td>-</td><td>1</td></tr></table>	Model	"Password Policy"	*Min	RED/UK PSTI	-	8	Other	-	1	-
Model	"Password Policy"	*Min									
RED/UK PSTI	-	8									
Other	-	1									
"Confirm New Password"	A text box to confirm the inputted password. Usable string: ASCII code (0x20-0x7E) Maximum of (*Max) characters. *Max: Refer to Network Function Table.	-									

9.5.3.1.3 Button

The following table shows the buttons on the page.

Table 9-206 Button

Items	Description	Condition
"OK"	Button at the bottom of the page	-
"Restore Default Settings"	If pressed, Web Config restores the setting values to the factory defaults.	Displayed only on models that support the initial value for the administrator password.

When the "OK" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 9-207 Error Pop-up

Items	Description
"Invalid value below."	When the format of the entered user name or password is not correct, this message is shown.
"Password and confirm password do not match."	When new password and the confirmation password do not match, this message is shown.

9.5.3.2 Result Page

The result message is shown in the main frame after the “OK” button is pressed.

9.5.3.2.1 Image

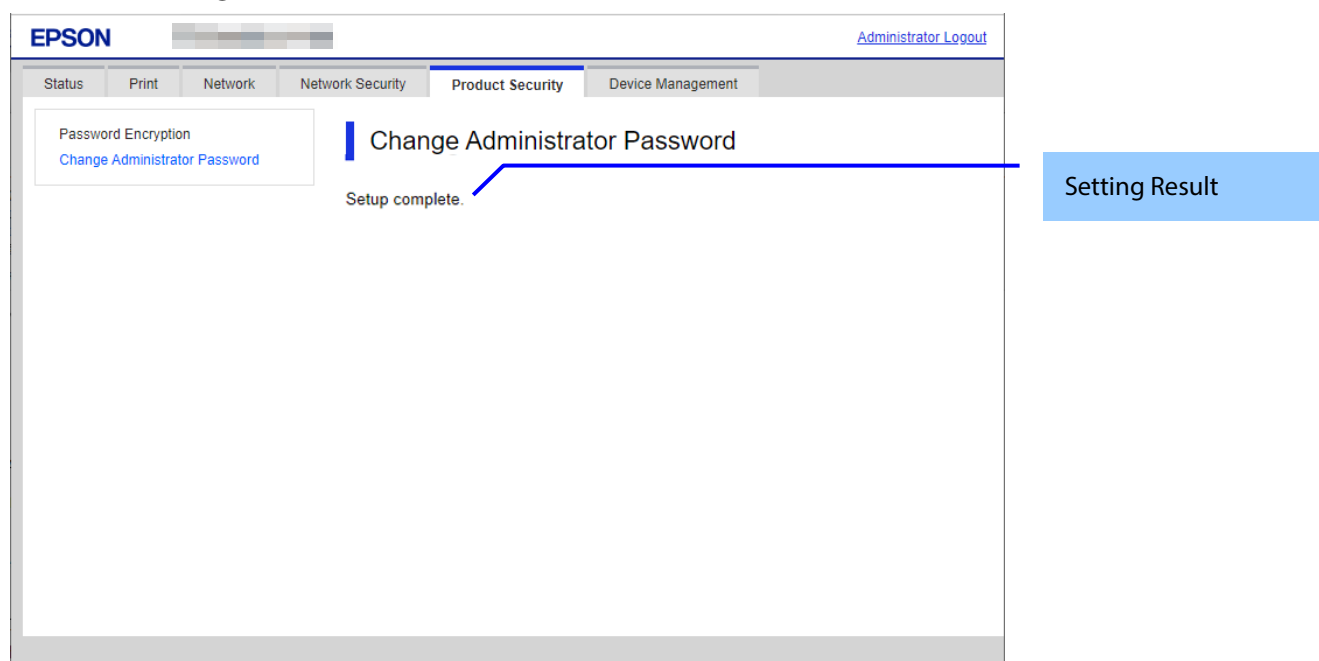


Figure 9-66 Image

9.5.3.2.2 Setting Result

Table 9-208 Result

Items	Description
"Setup complete."	This message is shown when the settings are completed. After that, Web Config reloads the page and displays the product status page. If an administrator was logged on previously, Web Config maintains administrator logon mode. If a user other than an administrator was logged on, Web Config exits administrator logon mode.
"Failed to make the settings." "The password you entered is incorrect."	This message is shown if the current password entered by the user is incorrect. None of the setting items on this page are applied to the printer.
"The password does not meet the password policy requirements. Check the requirements."	This message is shown if setup fails due to a violation of the Password Policy.
"Setup failed."	This message is shown if setup fails for a reason other than those described above.

9.5.4 Program Verification on Start Up

9.5.4.1 Top page

9.5.4.1.1 Image

The following figure shows the layout of the top page.



Figure 9-67 Image

9.5.4.1.2 Setting Items

Table 9-209 Setting Items		
Items	Description	Condition
"Program Verification on Start Up"	User can select "ON" / "OFF" by radio button.	This item is displayed only on models that support program verification at startup.

9.5.4.1.3 Button

The button for setting the information included in the settings items is shown in the following table.

Table 9-210 Button	
Items	Description
"OK"	This button is provided at the bottom of the page.

9.5.4.2 Result page

When the “OK” button is clicked, the results page is displayed.

9.5.4.2.1 Image

The results page is shown in the following figure.

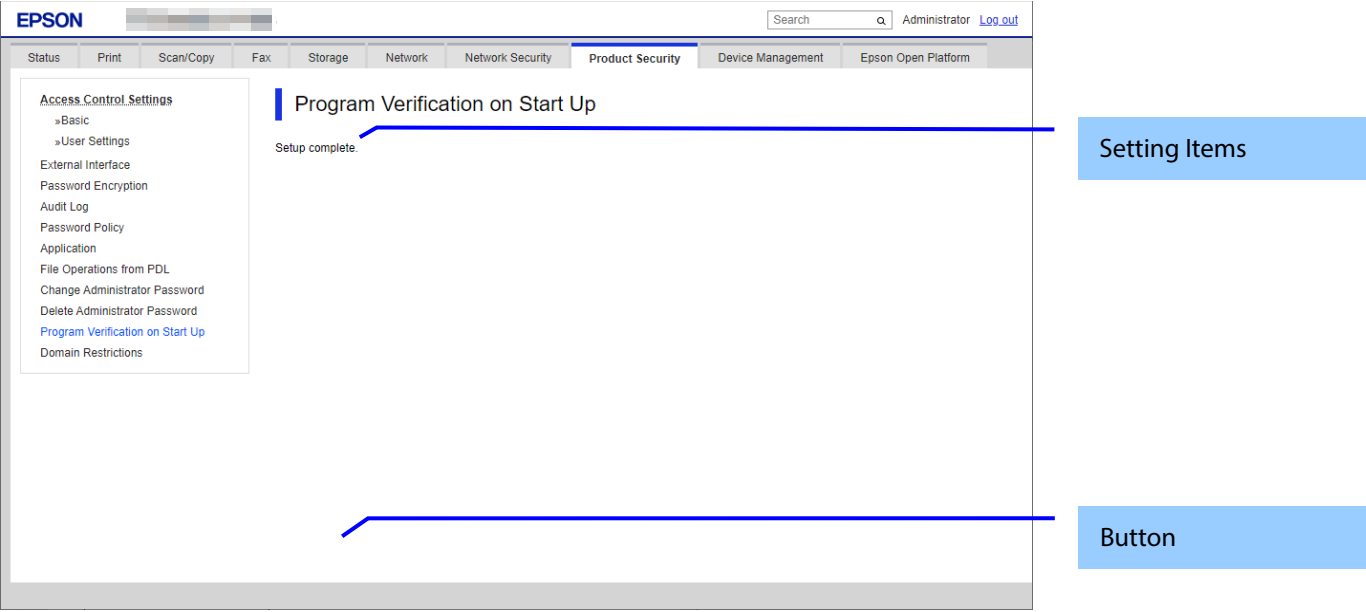


Figure 9-68 Image

9.5.4.2.2 Setting Result

Table 9-211 Setting Result

Items	Description
"Setup complete. "	This message is displayed if the settings are updated successfully.
"Setup failed. "	This message is displayed if the settings are not updated successfully.

9.6 Device Management

9.6.1 Basic

Using Basic, you can configure the device management function’s behavior.

9.6.1.1 Top page

9.6.1.1.1 Image

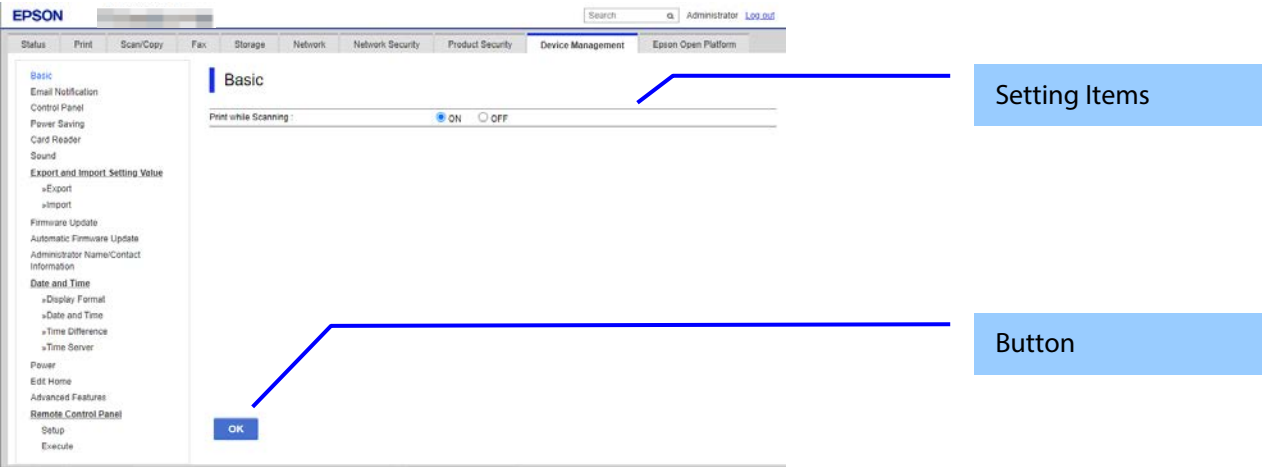


Figure 9-69 Basic

9.6.1.1.2 Button

Table 9-212 Button

Items	Description	Condition
"Next"	This button is used to go to the confirmation page.	-

9.6.1.2 Confirm page

9.6.1.2.1 Image

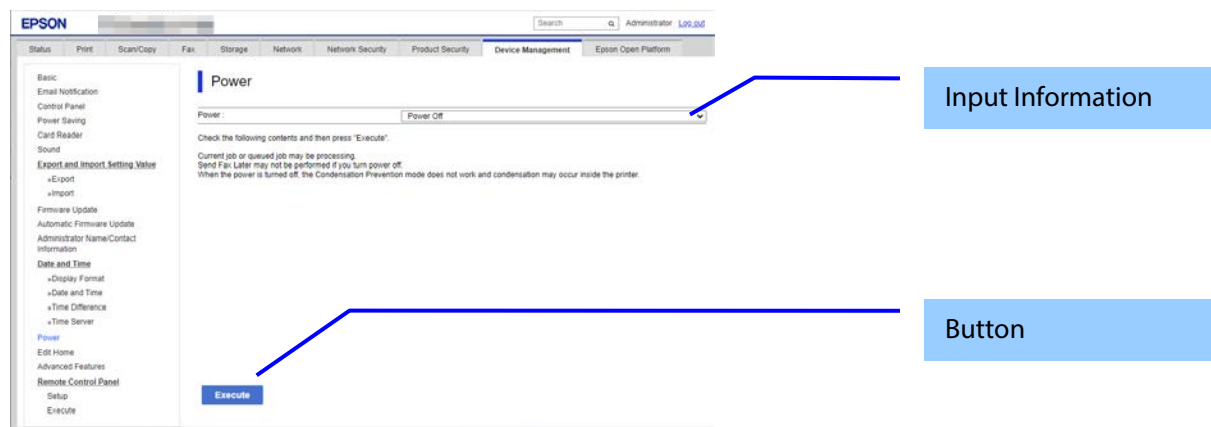


Figure 9-70 Confirm page

9.6.1.2.2 Input Information

Table 9-213 Input Information

Items	Description
" Confirm the following settings."	This message is shown on top of the page, followed by setting items and their values.
" Communication will be shut down temporarily to enable the new settings. You cannot access the network immediately after the settings are changed."	This message is shown on the bottom of the page.

9.6.1.3 Result page

The following figures show pages displayed after network setup. The content of the Result page varies according to the result (success or failure).

9.6.1.3.1 Image

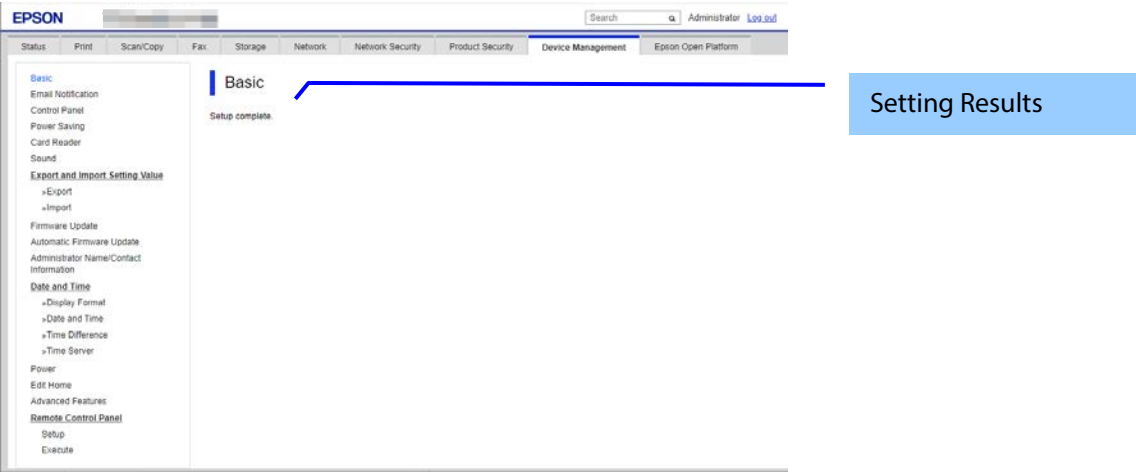


Figure 9-71 Result page

9.6.1.3.2 Setting Result

Table 9-214 Setting Result

Items	Description
"Setup complete." "Restarting communication may take a few minutes." "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config."	This text is shown if Basic setup is successful.
"Setup failed."	This message is shown if Basic setup fails.

9.6.2 Export and Import Setting Value

On the Setting Export and Import page, the user can export Web Config advanced settings to a file, and import those settings from a configuration file.

Table 9-215 Sub menu of Export/Import

Sub menu
"Export"
"Import"

9.6.2.1 Export/Import Category

The user can select an export/import category that includes multiple setting items. The categories and setting items are shown below. Some categories contain sub-categories. If the parent category is selected, all sub-categories are selected.

Table 9-216 Export/Import Category.

Category	Description
"All"	All categories are selected.
"Print"	All subcategories are selected.
"Print Settings"	For print settings on the menu.
"Secure Printing"	It intends Secure Printing on the menu.
"Network"	All sub-categories are selected.
"Basic"	All sub-categories are selected.
"Settings except below"	Network Settings > Basic in the menu is selected, except for the following settings.
"Device Name"	Printer Name in Network Basic is selected.
"Location"	Location in Network Basic is selected.
"Obtain IP Address, IP Address, Subnet Mask, and Default Gateway"	Obtain IP Address, IP Address, Subnet Mask, and Default Gateway in Network Basic are selected.
"IPv6 Address and IPv6 Address Default Gateway"	IPv6 Address and IPv6 Address Default Gateway in Network Basic are selected.
"Wi-Fi"	Wi-Fi in the menu is selected.
"Wired LAN"	Wired LAN in the menu is selected.
"Wi-Fi Direct"	Not equipped with Wi-Fi chip Wi-Fi Direct in the menu is selected.
"Settings except below"	Equipped with Wi-Fi chip All sub-categories are selected.
"SSID and Password"	Equipped with Wi-Fi chip Network > Wi-Fi Direct in the menu is selected, except for the following settings.
"SSID and Password"	If it is equipped with Wi-Fi chip. It intends SSID and Password of Wi-Fi Direct.
"Network Security"	All sub-categories are selected.
"Protocol"	All sub-categories are selected.
"Settings except below"	Services > Protocol in the menu is selected except for the following settings.
"Bonjour Service Name"	Bonjour Service Name of Protocol is selected.
"SSL/TLS"	All sub-categories are selected.
"Basic"	Basic of SSL/TLS in the menu is selected.
"Certificate"	Server Certificate of SSL/TLS in the menu is selected.
"Automatic Certificate Update"	Intended for Automatic Certificate Update of SSL/TLS (on menu).
"IPsec/IP Filtering"	All sub-categories are selected.
"Basic"	Basic of IPsec/IP Filtering in the menu is selected.
"Client Certificate"	Client Certificate Settings in IPsec/IP Filtering Certificate is selected.
"IEEE802.1X"	All sub-categories are selected.
"Basic"	Basic of IEEE802.1X in the menu is selected.
"Client Certificate"	Client Certificate Settings in IEEE802.1X Certificate is selected.
"CA Certificate"	CA Certificate in the menu is selected.
"Product Security"	All sub-categories are selected.
"Password Encryption"	Password Encryption in the menu is selected.
"Administrator Password"	Administrator Password in the menu is selected.
"Program Verification on Start Up"	Intended for Program Verification at Start Up (on menu).
"Device Management"	All sub-categories are selected.
"Administrator Name/Contact Information"	Administrator Name/Contact Information in the menu is selected.
"Date and Time"	Date and Time (Display Format, Time Difference, and Time Server) in the menu are selected.

9.6.2.2 Export

The Export page consists of a Top page and a Result page.

9.6.2.2.1 Top Page

9.6.2.2.1.1 Image

When “Export” is chosen in the menu frame, the top page for export is displayed as shown below.

Figure 9-72 Top Page

9.6.2.2.1.2 Comment

The following table shows the layout for comments.

Table 9-217 Comment

Items	Description
"Enter a password to encrypt a file." "Enter between 0 and 20 characters."	This is displayed above the field for entering the password. The minimum password length is shown below. Minimum Password Length setting value: Password Policy is enabled. 8 – 20: Password Policy is disabled and PSTI or RED is enabled. 0 – 20: Password Policy is disabled and PSTI and RED are disabled.
"Select check box(es) of category to export. "	This is displayed above the category selection.

9.6.2.2.1.3 Password Enter

Enter a password for file encryption.

Table 9-218 Password Enter

Items	Description
"Password"	Use the text box to set a password for file encryption. 0 – 20 bytes in characters (ASCII 0x20 – 0x7E). The values are masked. The range is the minimum number displayed in the comment to a maximum of 20 characters.
"Confirm Password"	Same as the Encryption password.

9.6.2.2.1.4 Device Unique Settings Select

The following table shows the description of items for which unique device settings can be selected.

Table 9-219 Device Unique Settings Select

Items	Description
"Enable to select the individual settings of device"	This setting allows the Unique Device Settings to be selected.

9.6.2.2.1.5 Category Select

This item is for checking the export categories. Selectable categories are shown in “Export/Import Category”. No categories are selected at first. The following table shows the features of each export category.

Table 9-220 Features of Export Categories

Categories	Feature
Device Name	Check box is grayed-out, when "Enable to select the individual settings of device" is not checked. This item is displayed when "Obtain IP Address" is "Manual".
Network > Network Basic > Location	
Obtain IP Address, IP Address, Subnet Mask, Default Gateway	
IPv6 Address, IPv6 Address Default Gateway	
Network Security Settings > SSL/TLS > Certificate	
Network Security Settings > IPsec/IP Filtering > Client Certificate Settings	
Network Security Settings > IEEE802.1X > Client Certificate Settings	
Network Security > Protocol > Bonjour Service Name	
SSID and Password	Displayed only on models with software encryption enabled.
Product Security > Password Encryption	

9.6.2.2.1.6 Button

The following table shows the buttons on the page.

Table 9-221 Button

Items	Description
"Export"	If pressed, the printer starts to create an export file. If file creation fails, Web Config goes to the Result page. After it is pressed, all items on the top page are grayed-out.

When the “Export” button is pressed, the Web Config displays a pop-up window showing the following message if it recognizes an error in the entered value.

Table 9-222 Export Error Pop-up

Items	Description
"Select at least one category."	This message is shown when the category is not checked.
"Invalid value below."	Shows a warning when a value is entered incorrectly.
"Passwords you entered do not match."	When the password and the confirmation password do not match, this message is shown.

The default name of the downloaded file is in the format of “Config_<Serial Number>_<Date and Time>”.

<Serial Number> is the Product’s Serial Number.

<Date and Time> is the Date and Time set for the product.

9.6.2.2.2 Result Page

The Result page is shown if the file download fails.

Table 9-223 Export Result

Items	Description
"Creating a file failed." "Export the file again."	This message is shown if file creation fails.

9.6.2.3 Import

Import page consists of Top page, Category Select page, Confirmation page, and Result page. Items not contained in imported data can be set as current values or default values.

9.6.2.3.1 Top Page

9.6.2.3.1.1 Image

When "Import" is chosen in the menu frame, the top page is displayed as shown below.

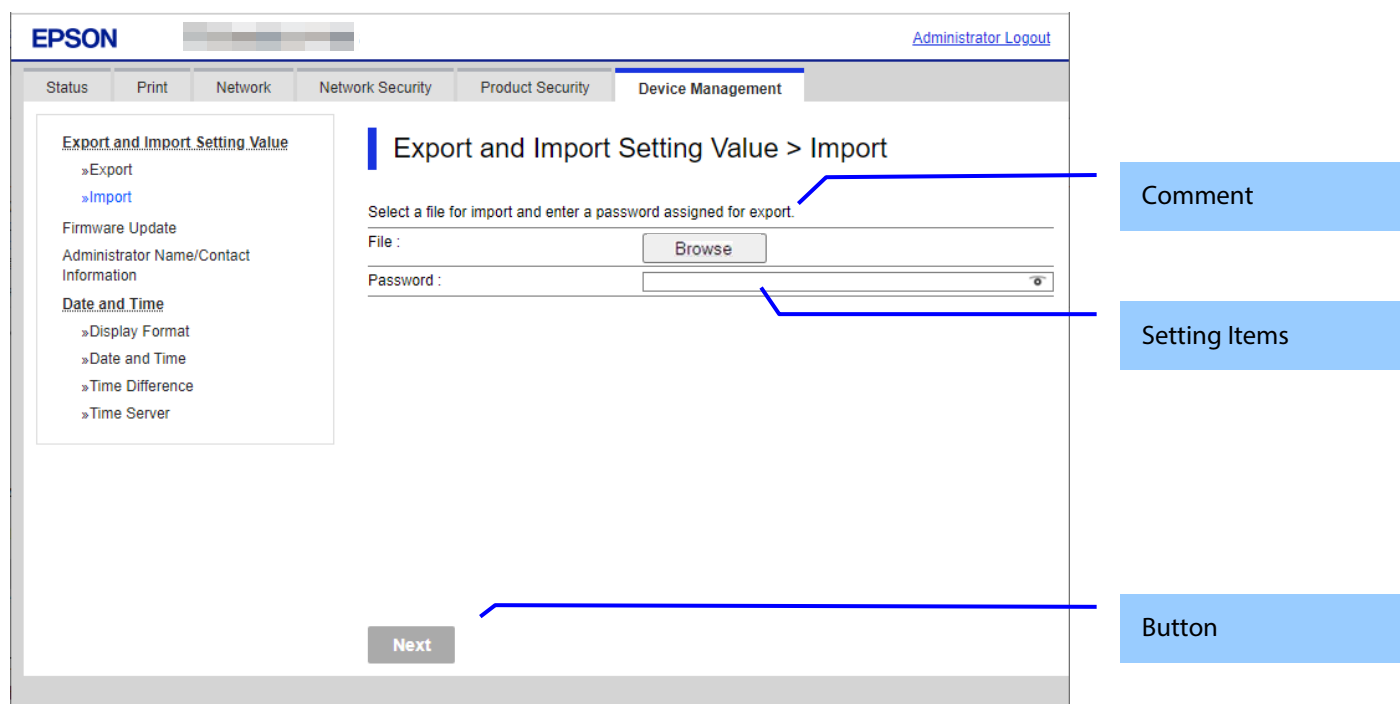


Figure 9-73 Top Page

9.6.2.3.1.2 Comment

The following table shows the comments.

Table 9-224 Comment

Items	Description	Condition
"Select a file for import and enter a password assigned for export. "	Displayed at the top of the page.	-
"Sending file. Please wait..."	Displayed above the next button.	Displayed after the next button is pressed.

9.6.2.3.1.3 Setting Items

The following table shows the layout of this settings area.

Table 9-225 Setting Items

Items	Description
"File"	The user can enter the import file. Use the file button to select a file.
"Password"	Use the text box to set a password for file decryption. 0 – 20 bytes in characters. (ASCII 0x20 – 0x7E) The values are masked.

9.6.2.3.1.4 Button

The following table shows the buttons on the page.

Table 9-226 Button

Items	Description	Condition
"Next"	If pressed, the Web Config makes transition to the Category Select page. If file analysis is failed, the Web Config makes transition to the Result page. After pressed, all items in top page are grayed-out.	This button is enabled only when an import file is selected.

When the "Next" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value. All items are grayed out and comments are not displayed.

Table 9-227 Error Pop-up

Items	Description
"Invalid value below."	Shows a warning when a value is entered incorrectly.

9.6.2.3.2 Category Select Page

9.6.2.3.2.1 Image

When the file analysis has been done, the Web Config shows Category Select page. This page is as below.

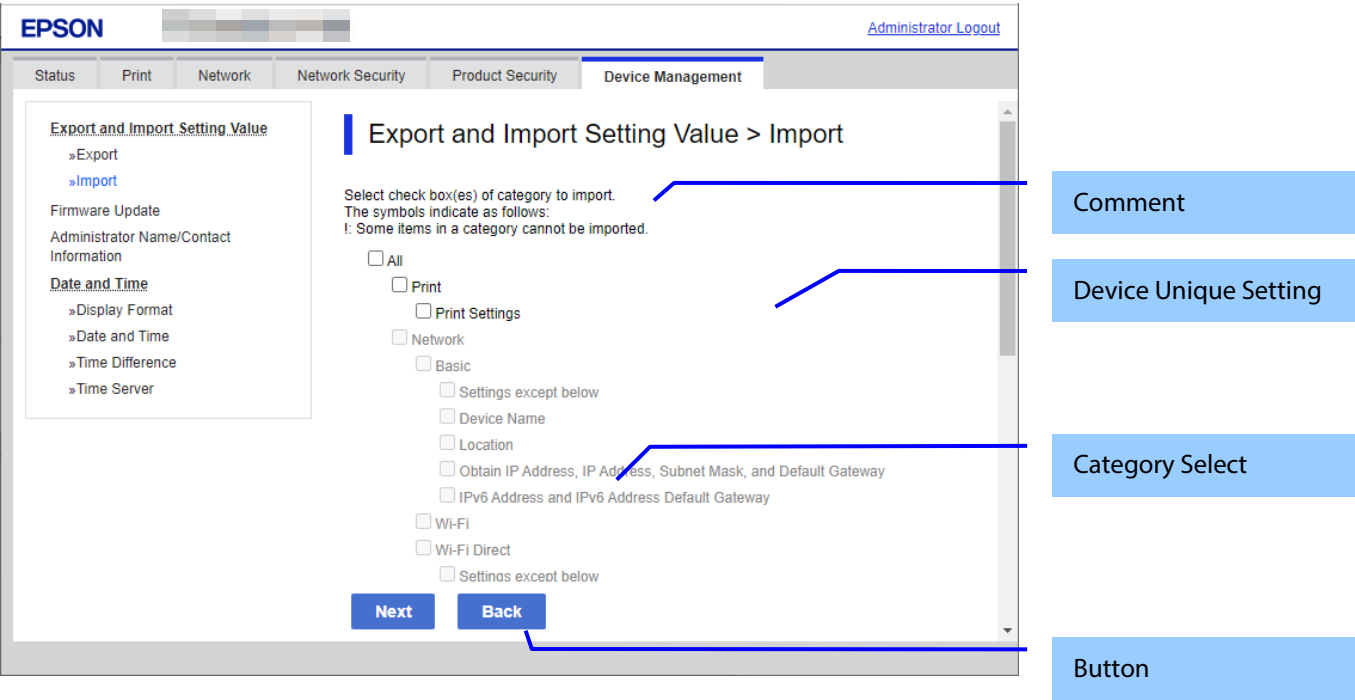


Figure 9-74 Category Select page

9.6.2.3.2.2 Comment

The following table shows the layout for comments.

Table 9-228 Comment

Comment	Description	Condition
"Select check box(es) of category to import."	This is displayed above the category selection.	-
"The symbols indicate as follows:" "!": Some items in a category cannot be imported."	This is displayed above the category selection.	-

9.6.2.3.2.3 Device Unique Settings Select

The following table shows the description of items for which unique device settings can be selected.

Table 9-229 Device Unique Settings Select

Items	Description	Condition
"Enable to select the individual settings of device"	This setting allows the Unique Device Settings to be selected.	Grayed-out if import file does not contain unique device settings

9.6.2.3.2.4 Category Select

All categories are not selected at first. The following table shows features of import categories.

Table 9-230 Features of Import Categories.

Category	Feature
All Categories	The check box is enabled only when the import file includes settings. "!" is displayed in front of a category if some of the settings in that category are not imported.
Device Name	Check box is grayed-out, when "Enable to select the individual settings of device" is not checked. This item is grayed-out if setting data is not contained in the import file.
Network > Network Basic > Location	
Obtain IP Address, IP Address, Subnet Mask, Default Gateway	Check box is grayed-out, when "Enable to select the individual settings of device" is not checked. This item is not displayed when "Obtain IP Address" is "Auto". This item is grayed-out if setting data is not contained in the import file.
IPv6 Address, IPv6 Address Default Gateway	
Network Security Settings > SSL/TLS > Certificate	Check box is grayed-out, when "Enable to select the individual settings of device" is not checked. This item is grayed-out if setting data is not contained in the import file.
Network Security Settings > IPsec/IP Filtering > Client Certificate Settings	
Network Security Settings > IEEE802.1X > Client Certificate Settings	
Network Security > Protocol > Bonjour Service Name	
SSID and Password	
Network Security Settings > IPsec/IP Filtering > Basic	When importing from a model with few setting items, missing items are set to their default values. Items that are grayed out and items with different IKE versions are not overwritten.
Network Security Settings > IEEE802.1X > Basic	When importing from a model with few setting items, missing items are set to their default values.
Product Security > Password Encryption	Displayed only on models with software encryption enabled.

9.6.2.3.2.5 Button

The following table shows the buttons on the page.

Table 9-231 Button

Items	Description
"Next"	If pressed, Web Config transitions to the Confirmation page.
"Back"	If pressed, Web Config goes to the Top page.

When the "Next" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 9-232 Error Pop-up

Items	Description
"Select at least one category. "	This message is shown when the category is not checked.

9.6.2.3.3 Confirmation Page

9.6.2.3.3.1 Image

The page is shown when “Next” on the previous page is pressed.

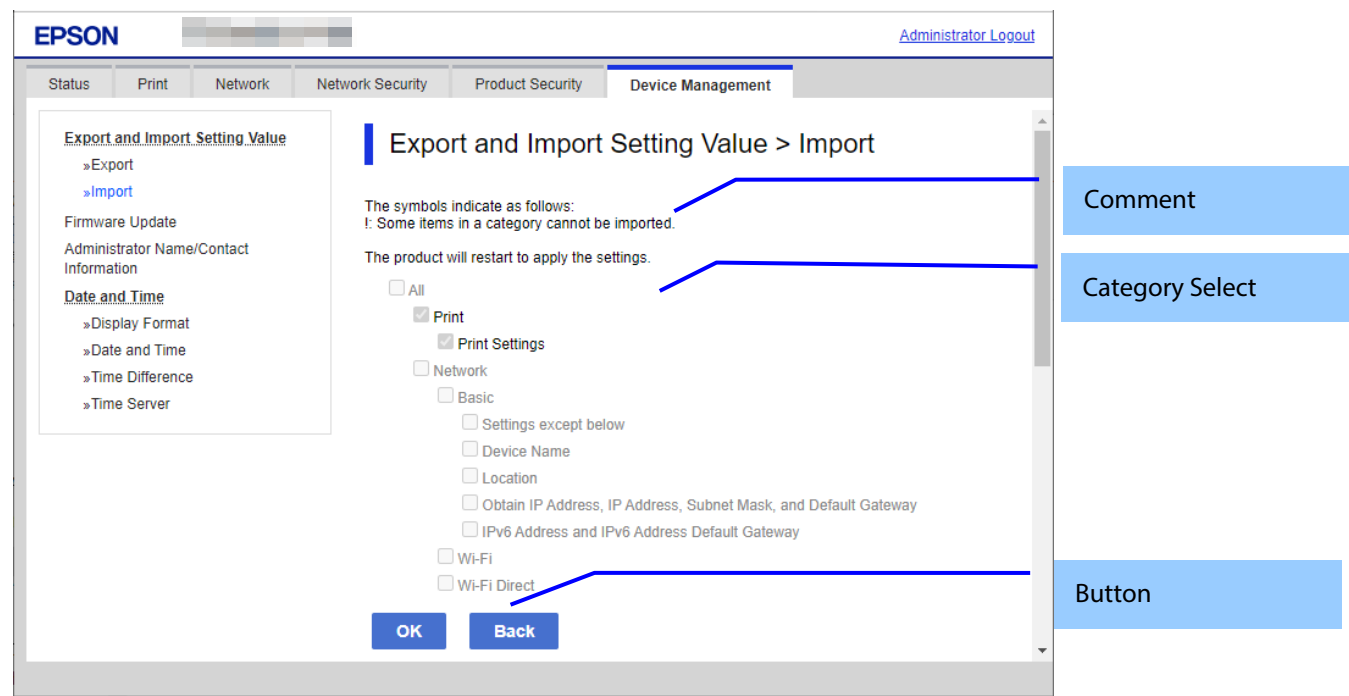


Figure 9-75 Confirmation Page

9.6.2.3.3.2 Comment

The following table shows the layout for comments.

Table 9-233 Comment

Comment	Description	Condition
"The symbols indicate as follows: " "!: Some items in a category cannot be imported."	This is displayed above the category selection.	-
"Some categories cannot be selected. Check the following."	Displayed above category selection.	Displayed when Contacts or Fax Settings are displayed.
"Communication will be shut down temporarily to enable the new settings. You cannot access the network immediately after the settings are changed."	This message is shown on the bottom of the page.	-

9.6.2.3.3.3 Category Confirm

The category information that was entered on the previous page is shown. Categories that weren't selected are grayed out.

9.6.2.3.3.4 Button

The following table shows the button on the page.

Table 9-234 Button

Items	Description
"OK"	If pressed, Web Config goes to the Result page.
"Back"	If pressed, Web Config goes to the Category Select page.

9.6.2.3.4 Result Page

9.6.2.3.4.1 Result

The content of the Result page will vary based on the result.

Table 9-235 Result

Items	Description
"Setup complete. " "Restarting communication may take a few minutes. " "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config. "	This message is shown when the settings are completed. The network shuts down for updating.
"Setup complete."	This message is shown when the settings are completed. The network does not shut down.
"Setup failed."	This message is shown when the settings have failed or import file was changed. When the device is in interrupt mode, the settings fail.
"Loading file failed." "Check if the file and password are correct and then import the file again."	This message is shown when file is not correct or password is not correct.

9.6.2.4 Firmware Update

9.6.2.5 Top Page

9.6.2.5.1 Image

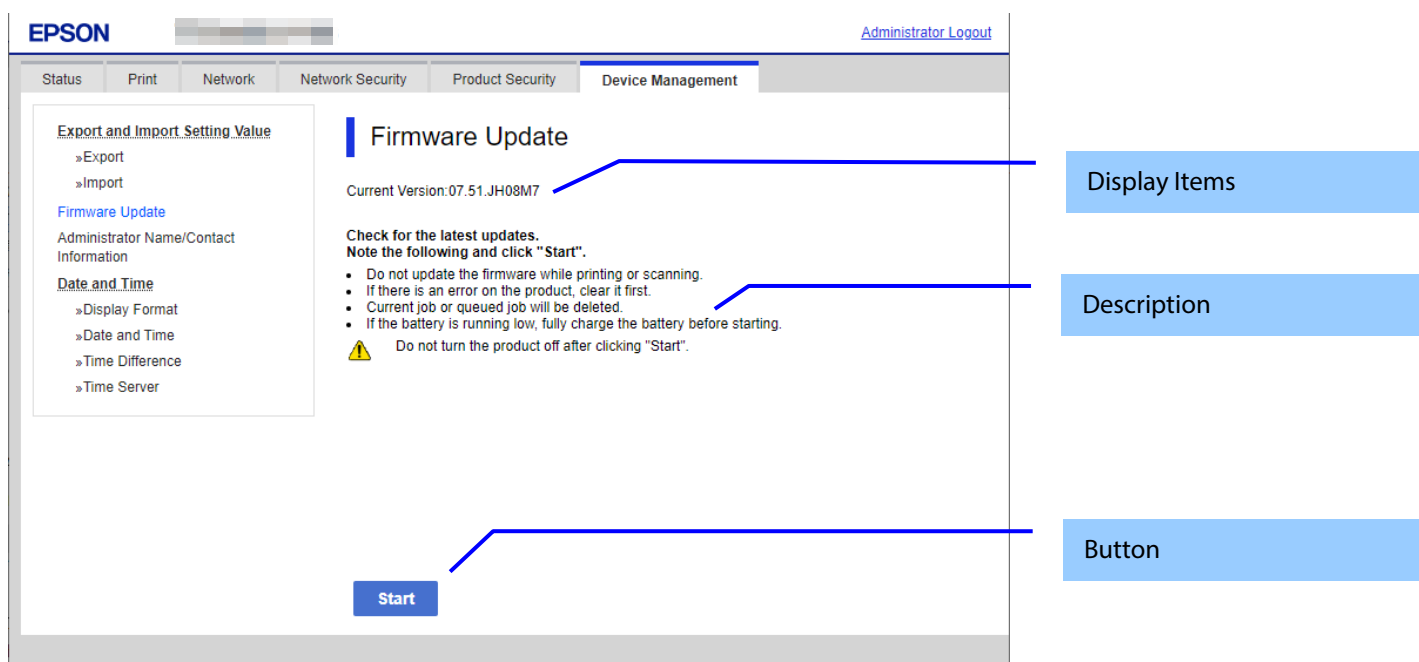


Figure 9-76 Top Page

9.6.2.5.2 Display Items

Table 9-236 Display Items

Items	Description
"Current Version"	Up to 12 characters in ASCII codes XX.YY.ZZZZZZ -XX: Linux Kernel version -YY: Linux Appli version -ZZZZZ: Main version

9.6.2.5.3 Description

Table 9-237 Description

Items	Description	Condition
"Check for the latest updates."	Fixed Strings	-
"Note the following and click "Start"."	Fixed Strings	-
"Do not update the firmware while printing or scanning."	Fixed Strings	-
"If there is an error on the product, clear it first."	Fixed Strings	-
"Remove the roll paper if loaded."	Fixed Strings	This message is shown on destinations with Roll Paper Feed.
"Current job or queued job will be deleted."	Fixed Strings	-
"Do not turn the product off after clicking "Start"."	Fixed Strings ! icon is shown in front of the string.	-
"Connect an AC adapter if not connected."	Fixed Strings	This message is shown on models with installed battery.

9.6.2.5.4 Button

Table 9-238 Button

Items	Description
"Start"	The button to Firmware search page.

9.6.2.6 Firmware Search Process Page

The page is shown after the ‘Start’ button is pressed.
The following figure shows a layout of the Firmware search process page.

9.6.2.6.1 Image

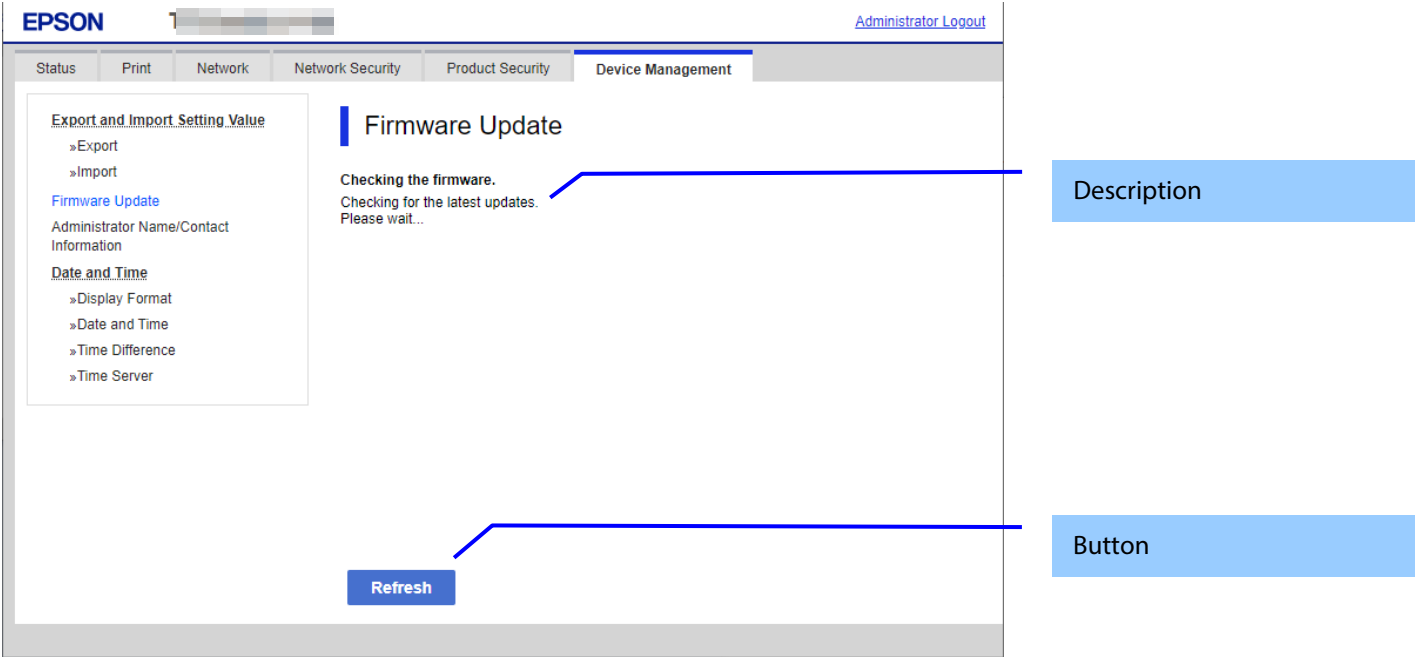


Figure 9-77 Firmware Search Process Page

9.6.2.6.2 Description Items

Table 9-239 Description

Items	Description
"Checking the firmware." "Checking for the latest updates." Please wait..."	Fixed Strings

9.6.2.6.3 Button

Table 9-240 Button

Items	Description
"Refresh"	The button on bottom of the main frame to refresh the page. If you click, the page is refreshed.

9.6.2.7 Before Update Confirm Page

The page is shown if new firmware is found.

The following figure shows a layout of the Before update confirm page.

If no operation continues for 20 minutes after displaying this page, the update process will be canceled.

9.6.2.7.1 Image

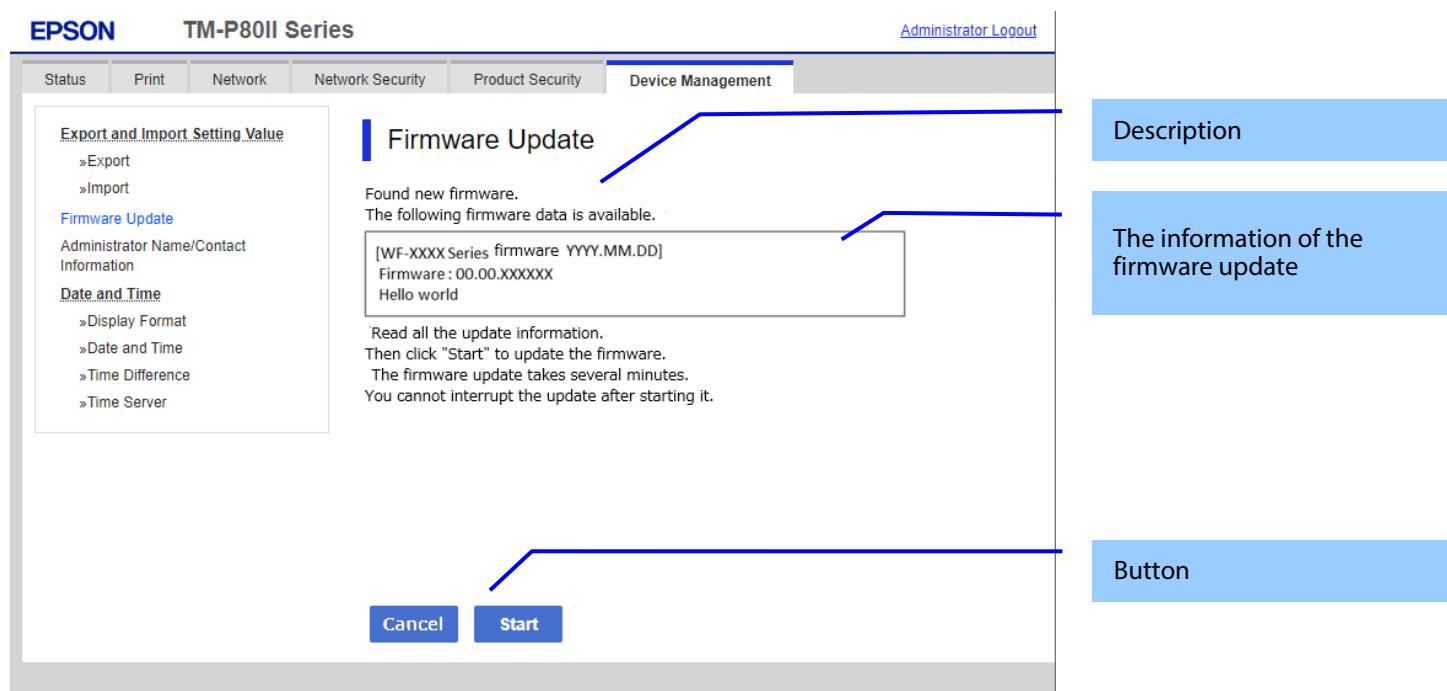


Figure 9-78 Before Update Confirm Page

9.6.2.7.2 Description

Table 9-241 Description

Items	Description
"Found new firmware."	Fixed Strings
"The following firmware data is available."	
"Read all the update information. Then click "Start" to update the firmware." "The firmware update takes several minutes. You cannot interrupt the update after starting it."	Fixed Strings
"By using the firmware, you agree to the End User License Agreement. FOR USERS IN THE UNITED STATES, YOU AGREE TO IMPORTANT LEGAL TERMS AND CONDITIONS, INCLUDING A CLASS ACTION WAIVER AND ARBITRATION. PLEASE READ CAREFULLY: https://support.epson.net/eula/ "	EULA
"Accept"	Check box. When this item is checked then "Start" button is enable.

9.6.2.7.3 The Information of the Firmware Update

Table 9-242 The Information of the Firmware Update

Items	Description
Product name and release date.	Up to 10 characters in ASCII codes YYYY.MM.DD
Firmware	Up to 12 characters in ASCII codes XX.YY.ZZZZZZ -XX: Linux Kernel version -YY: Linux Appli version -ZZZZZ: Main version
Description	Up to 1024 bytes in UTF-8

9.6.2.7.4 Button

Table 9-243 Button

Items	Description
"Cancel"	If you click, Firmware update is canceled.
"Start"	If you click, Firmware update is started.

9.6.2.8 Cancel Process Page

9.6.2.8.1 Image

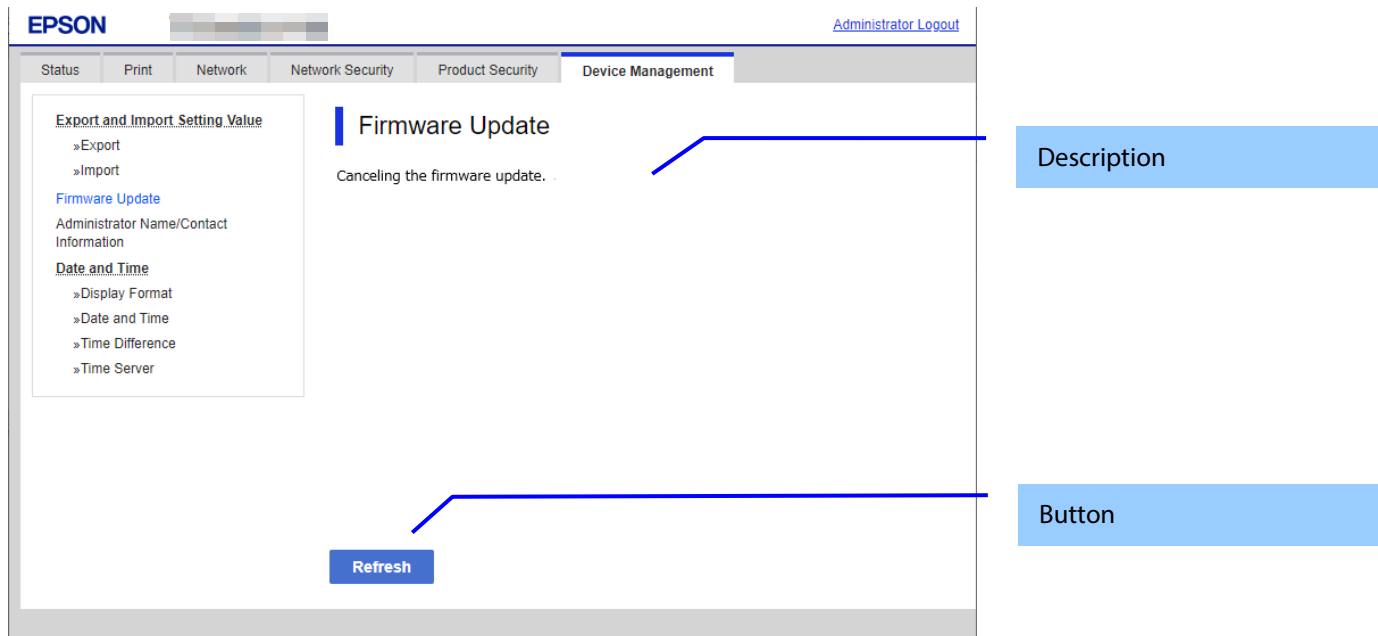


Figure 9-79 Cancel Process Page

9.6.2.8.2 Description

Table 9-244 Description

Items	Description
"Canceling the firmware update."	Fixed Strings

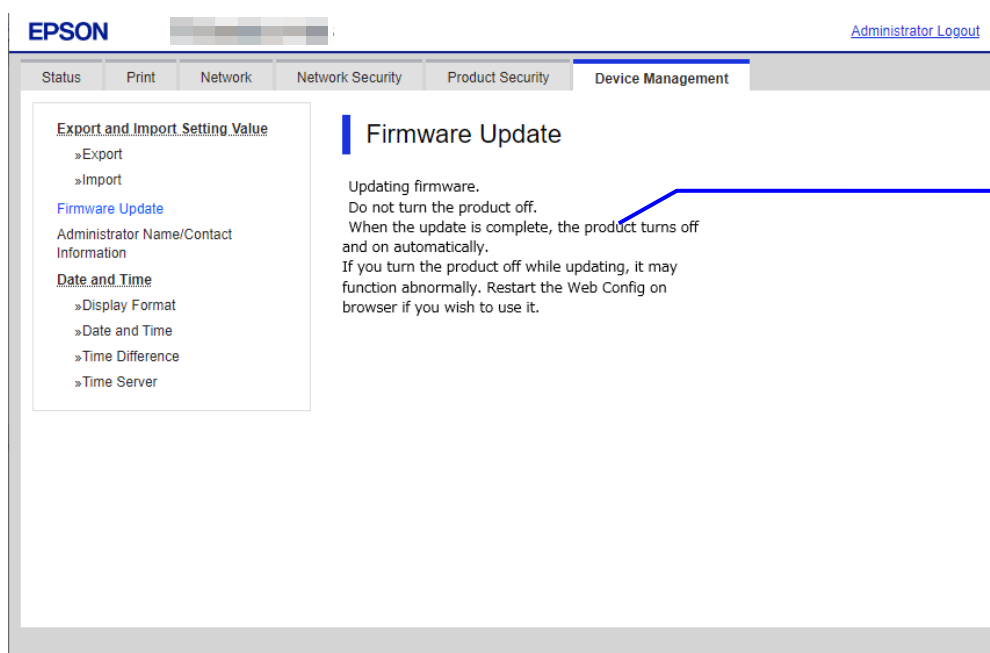
9.6.2.8.3 Button

Table 9-245 Button

Items	Description
"Refresh"	The button on bottom of the main frame to refresh the page. If you click, the page is refreshed.

9.6.2.9 Result Page

9.6.2.9.1 Image



Setting Result

Figure 9-80 Result Page

9.6.2.9.2 Setting Result

Table 9-246 Result

Items	Description
"Updating firmware." "Do not turn the product off." "Do not disconnect an AC adapter." "When the update is complete, the product turns off and on automatically." "If you turn the product off while updating, it may function abnormally. Restart the Web Config on browser if you wish to use it."	This message is shown when Firmware update is started successfully. ! icon is shown in front of "Do not turn the product off." The message "Do not disconnect an AC adapter" is shown on models with an installed battery.
"The firmware update was canceled."	This message is shown when Firmware update is canceled successfully.
"You have the latest firmware."	This message is shown when the current version of the firmware is latest.
"Cannot connect to the Epson server."	This message is shown when the printer could not access to the server. The X icon is shown in front of the string.
"Cannot update the firmware." "Quit printing or scanning." "Remove the roll paper if loaded." "When an error message appears on the screen or status lights indicate an error, solve the problem." "Note: There might be an error regarding the consumables such as ink supply units." "Connect an AC adapter if not connected." "Remove the memory card." "If the problem is not solved, close the Web browser and then launch it."	This message is shown when the printer cannot update the firmware. The X icon is shown in front of "Cannot update the firmware." "Remove the roll paper if loaded." is shown on destinations with Roll Paper Feed.
"The operation failed." "Another computer may be communicating with the product."	This message is shown when another computer may be communicating with the product. The X icon is shown in front of "The operation failed."

9.6.3 Firmware Update

9.6.3.1 Top Page

9.6.3.1.1 Image

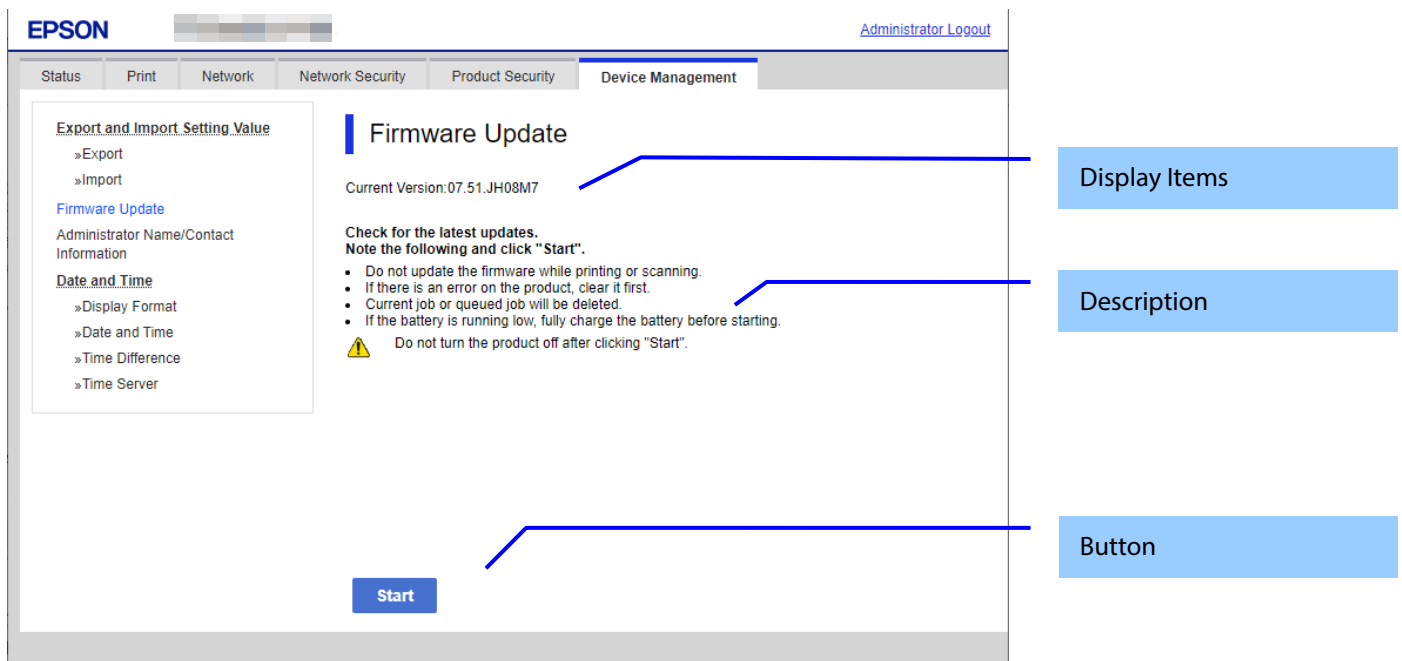


Figure 9-81 Top Page

9.6.3.1.2 Display Items

Table 9-247 Display Items

Items	Description
"Current Version"	Up to 12 characters in ASCII codes XX.YY.ZZZZZZ -XX: Linux Kernel version -YY: Linux Appli version -ZZZZZZ: Main version

9.6.3.1.3 Description

Table 9-248 Description

Items	Description	Condition
"Check for the latest updates."	Fixed Strings	-
"Note the following and click "Start"."	Fixed Strings	-
"Do not update the firmware while printing or scanning."	Fixed Strings	-
"If there is an error on the product, clear it first."	Fixed Strings	-
"Remove the roll paper if loaded."	Fixed Strings	This message is shown on destinations with Roll Paper Feed.
"Current job or queued job will be deleted."	Fixed Strings	-
"Do not turn the product off after clicking "Start"."	Fixed Strings ! icon is shown in front of the string.	-
"Connect an AC adapter if not connected."	Fixed Strings	This message is shown on models that is installed battery.

9.6.3.1.4 Button

Table 9-249 Button

Items	Description
"Start"	The button to Firmware search page.

9.6.3.2 Firmware Search Process Page

The page is shown after the ‘Start’ button is pressed.
The following figure shows a layout of the Firmware search process page.

9.6.3.2.1 Image

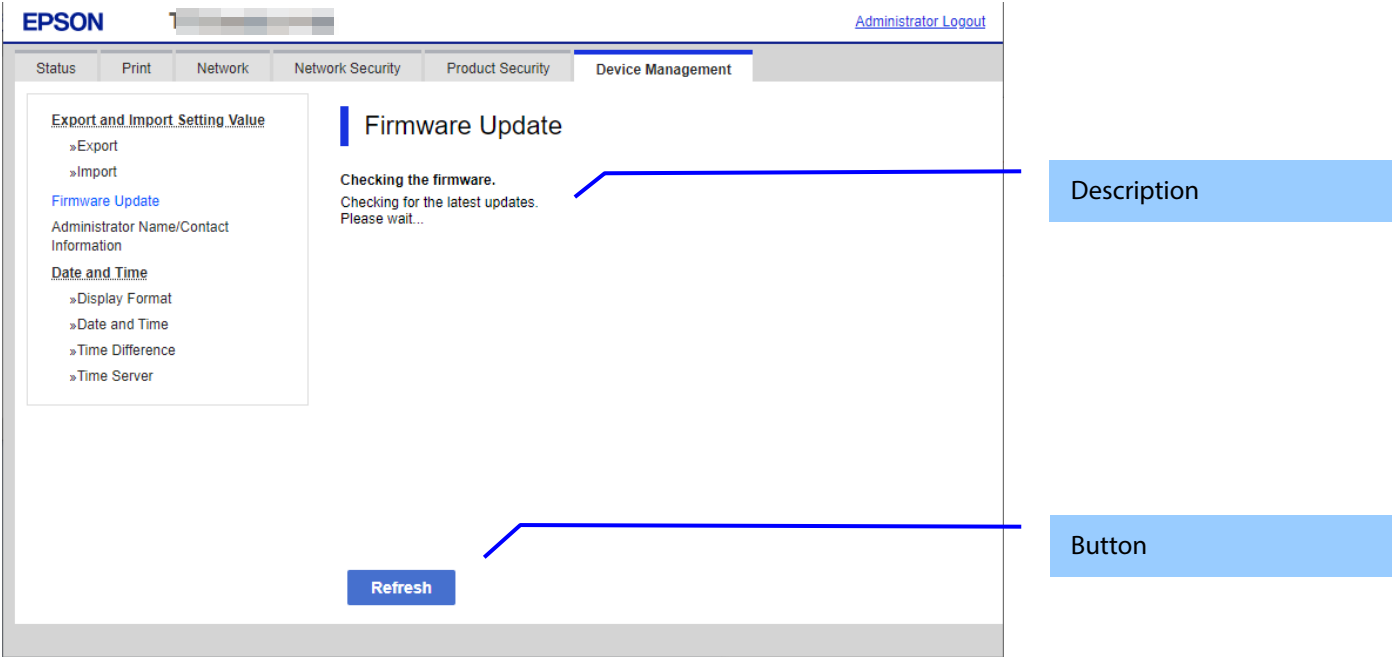


Figure 9-82 Firmware Search Process Page

9.6.3.2.2 Description Items

Table 9-250 Description

Items	Description
"Checking the firmware." "Checking for the latest updates.¥n Please wait..."	Fixed Strings

9.6.3.2.3 Button

Table 9-251 Button

Items	Description
"Refresh"	The button on bottom of the main frame to refresh the page. If you click, the page is refreshed.

9.6.3.3 Before Update Confirm Page

The page is shown if new firmware is found.

The following figure shows a layout of the Before update confirm page.

If no operation continues for 20 minutes after displaying this page, the update process will be canceled.

9.6.3.3.1 Image

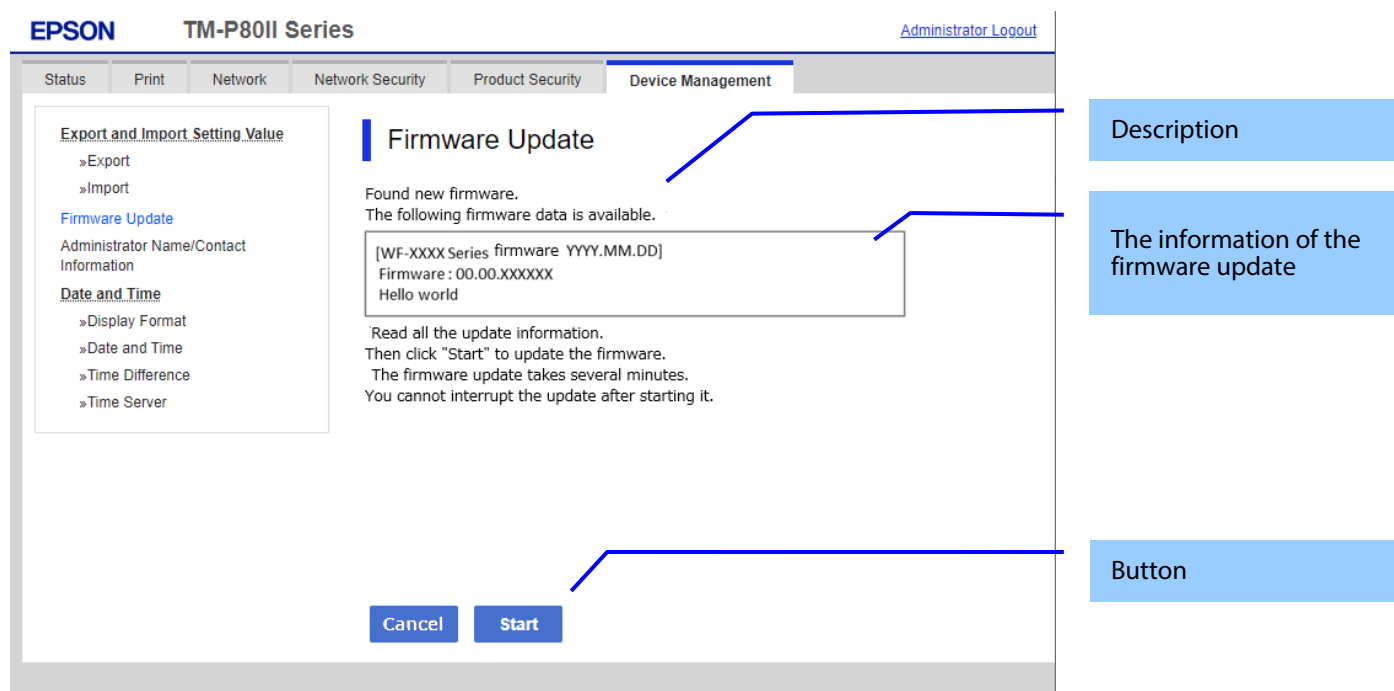


Figure 9-83 Before Update Confirm Page

9.6.3.3.2 Description

Table 9-252 Description

Items	Description
"Found new firmware." "The following firmware data is available."	Fixed Strings
"Access below URL for check update details." "https://epson.sn/eui/"	Fixed strings. Displayed under the information for the firmware update. This is displayed for RED-compliant printers. A URL is displayed with a link.
"Read all the update information.¥n Then click "Start" to update the firmware." "The firmware update takes several minutes.¥n You cannot interrupt the update after starting it."	Fixed Strings
"By using the firmware, you agree to the End User License Agreement. FOR USERS IN THE UNITED STATES, YOU AGREE TO IMPORTANT LEGAL TERMS AND CONDITIONS, INCLUDING A CLASS ACTION WAIVER AND ARBITRATION. PLEASE READ CAREFULLY: https://support.epson.net/eula/"	EULA
"Accept"	Check box. When this item is checked then "Start" button is enable.

9.6.3.3.3 The Information of the Firmware Update

Table 9-253 The Information of the Firmware Update

Items	Description
Product name and release date.	Up to 10 characters in ASCII codes YYYY.MM.DD
Firmware	Up to 12 characters in ASCII codes XX.YY.ZZZZZZ -XX: Linux Kernel version -YY: Linux Appli version -ZZZZZ: Main version

9.6.3.3.4 Button

Table 9-254 Button

Items	Description
"Cancel"	If you click, Firmware update is canceled.
"Start"	If you click, Firmware update is started.

9.6.3.4 Cancel Process Page

9.6.3.4.1 Image

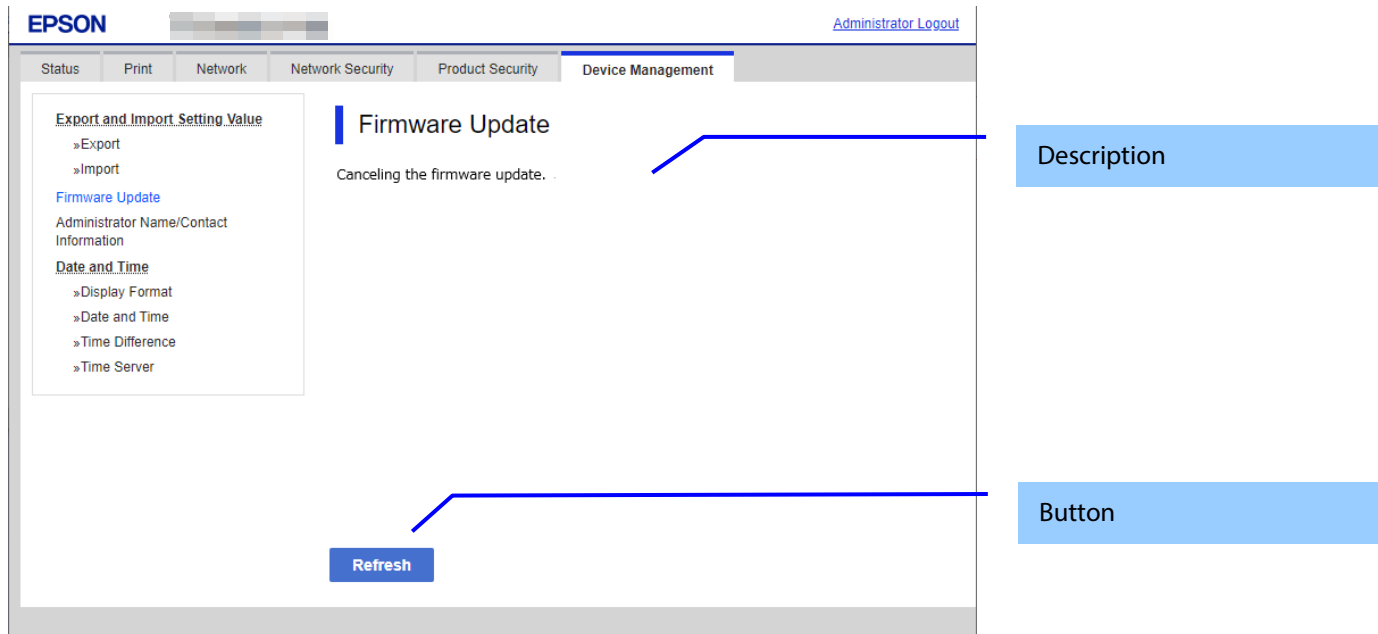


Figure 9-84 Cancel Process Page

9.6.3.4.2 Description

Table 9-255 Description

Items	Description
"Canceling the firmware update."	Fixed Strings

9.6.3.4.3 Button

Table 9-256 Button

Items	Description
"Refresh"	The button on bottom of the main frame to refresh the page. If you click, the page is refreshed.

9.6.3.5 Result Page

9.6.3.5.1 Image

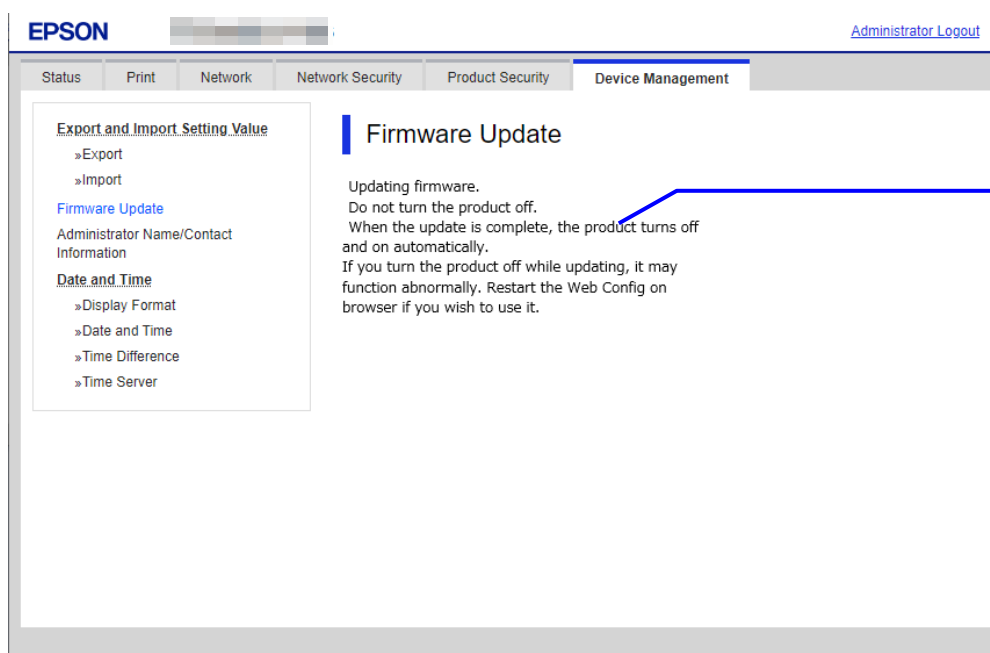


Figure 9-85 Result Page

9.6.3.5.2 Setting Result

Table 9-257 Result

Items	Description
"Updating firmware." "Do not turn the product off." "When the update is complete, the product turns off and on automatically.¥n If you turn the product off while updating, it may function abnormally. Restart the Web Config on browser if you wish to use it."	This message is shown when Firmware update is started successfully. ! icon is shown in front of "Do not turn the product off."
"The firmware update was canceled."	This message is shown when Firmware update is canceled successfully.
"You have the latest firmware."	This message is shown when the current version of the firmware is latest.
"Cannot connect to the Epson server."	This message is shown when the printer could not access to the server. The X icon is shown in front of the string.
"Cannot update the firmware." "Quit printing or scanning." "Remove the roll paper if loaded." "When an error message appears on the screen or status lights indicate an error, solve the problem." "Note: There might be an error regarding the consumables such as ink supply units." "Connect an AC adapter if not connected." "Remove the memory card." "If the problem is not solved, close the Web browser and then launch it."	This message is shown when the printer cannot update the firmware. The X icon is shown in front of "Cannot update the firmware." "Remove the roll paper if loaded." is shown on destinations with Roll Paper Feed.
"The operation failed." "Another computer may be communicating with the product."	This message is shown when another computer may be communicating with the product. The X icon is shown in front of "The operation failed."

9.6.4 Administrator Name / Contact Information

In this area, the user can set the contact information for the administrator.

9.6.4.1 Top Page

9.6.4.1.1 Image

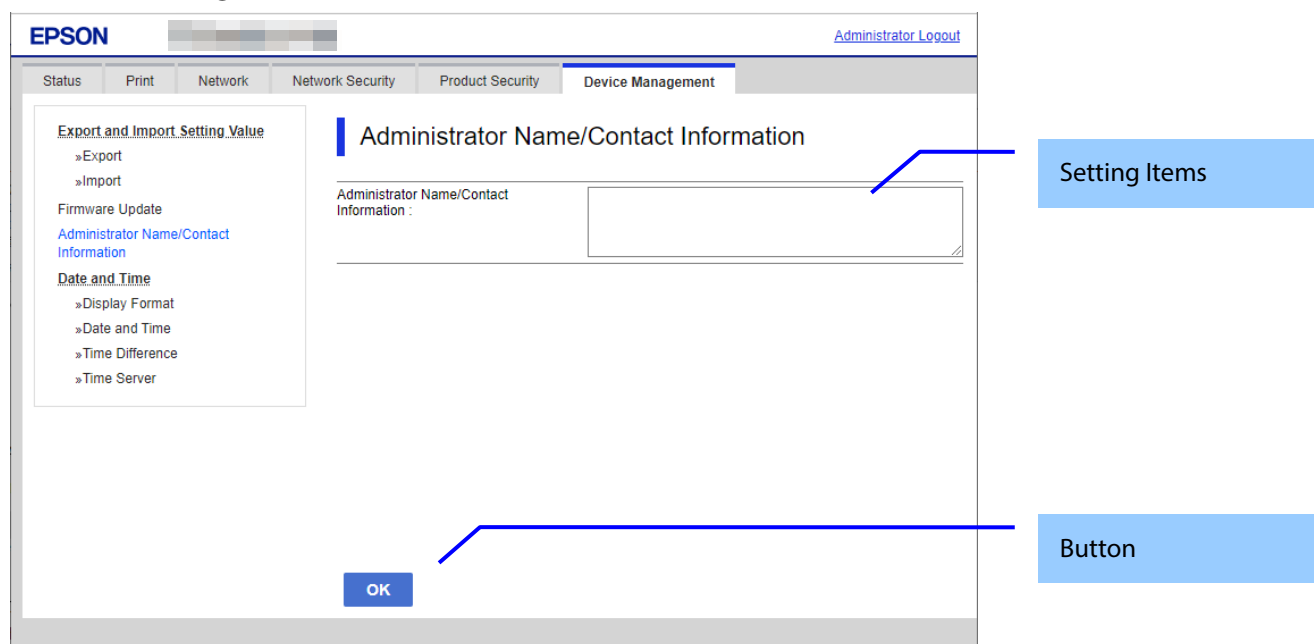


Figure 9-86 Contact Information Settings

9.6.4.1.2 Setting Items

The following table shows the items on the page..

Table 9-258 Setting Items

Items	Description
"Administrator Name/Contact Information"	UTF-8: 0 ~ 255Byte Text box for entering contact information Usable string: UTF-8 code, Max. of 255 bytes.

9.6.4.1.3 Button

The following table shows the buttons on the page.

Table 9-259 Button

Items	Description
"OK"	Button at the bottom of the main frame

9.6.4.2 Result Page

The result message is shown in the main frame or in an error pop-up after the "OK" button is pressed.

9.6.4.2.1 Result

Table 9-260 Result

Items	Description
"Setup complete."	This message is shown when the settings are completed.
"Setup failed."	This message is shown if setup fails.
"Invalid value below." " – Administrator Name/Contact Information"	Shows an error pop-up when a value is entered incorrectly.

9.6.5 Date and Time

In the settings area, you can set the date and time supported by the printer. You can also change the settings related to the NTP server.

Table 9-261 Sub menu of Date and Time

Sub menu	Condition
"Display Format"	-
"Date and Time"	-
"Time Difference"	-
"Time Server"	Only printers that support NTP.

9.6.5.1 Display Format

The following figure shows the layout of this settings area.

9.6.5.1.1 Top Page

9.6.5.1.1.1 Image

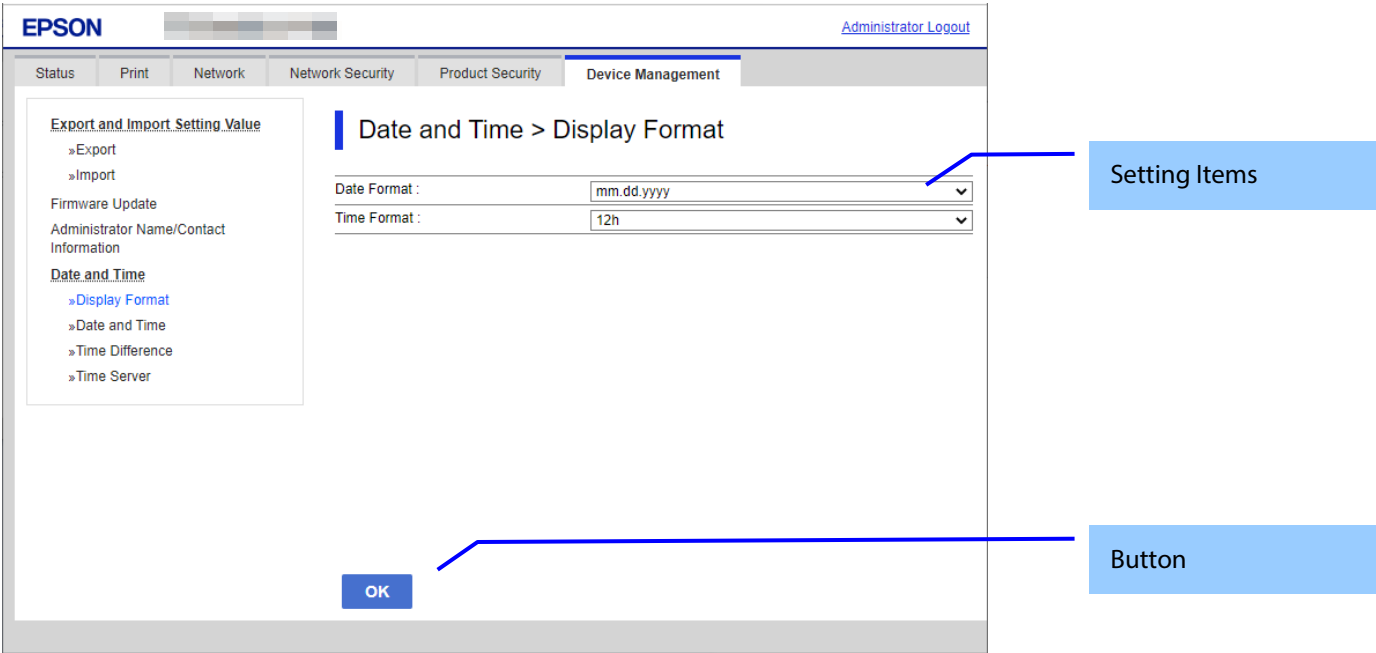


Figure 9-87 Display Format Settings

9.6.5.1.1.2 Setting Items

Table 9-262 Items in the Display Format Settings

Items	Description
"Date Format"	Use the drop-down list to change the display format for date. "yyyy.mm.dd" "mm.dd.yyyy" "dd.mm.yyyy"
"Time Format"	Use the drop-down list to select one of the following. "12h" / "24h"

9.6.5.1.1.3 Button

The following table shows the button on the page.

Table 9-263 Button

Items	Description
"OK"	-Button at the bottom of the main frame to perform settings.

9.6.5.1.2 Result Page

The result message is shown in the main frame after the “OK” button is pressed.

9.6.5.1.2.1 Image

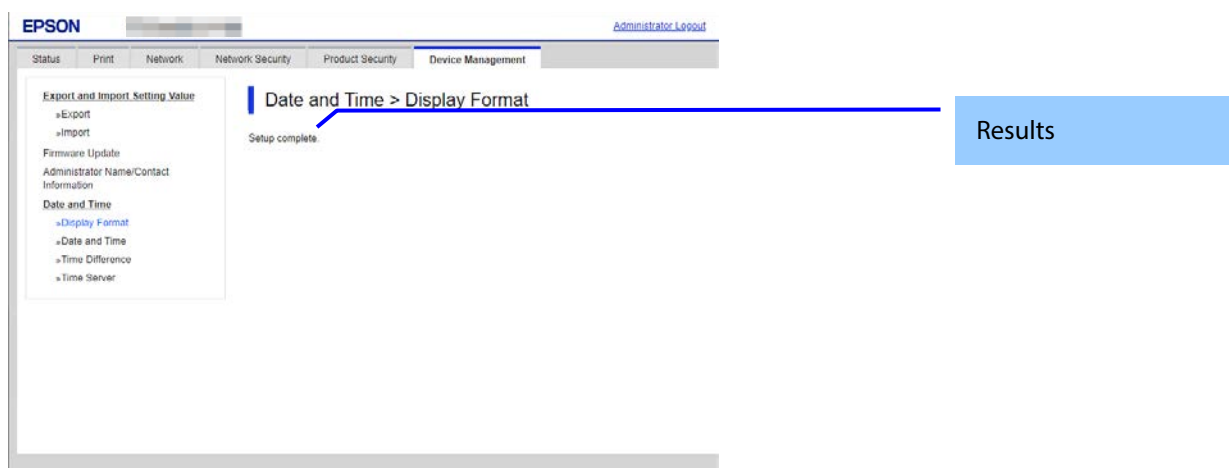


Figure 9-88 Result Page

9.6.5.1.2.2 Result

Table 9-264 Results

Items	Description
"Setup complete"	This message is shown when the settings are completed.
"Setup failed"	This message is shown if the settings fail.

9.6.5.2 Date and Time

9.6.5.2.1 Top Page

9.6.5.2.1.1 Image

Figure 9-89 Date and Time settings

9.6.5.2.1.2 Setting Items

The following table shows the items on the page.

Table 9-265 Setting Items

Items	Description	Condition
"Year"	Text box for entering a year. Four digits. (20XX-2099). XX: Indicates the product's launch year.	-
"Month"	Text box for entering the month(1-12)	-
"Day"	Text box for entering the date (1-31)	-
"AM/PM"	Use the drop-down list to select one of the following. "AM" / "PM"	Can be use this settings if the "Time Format" setting is "24h".
"Hour"	Text box for entering time in hours If the time format is 24h: (0-23) If the time format is 12h: (0-11)	-
"Minute"	Text box for entering minutes.(0-59)	-
"You can retrieve date and time information from this computer or mobile device."	Description of "Retrieve Information" button.	
"Note: Depending on the network or device, there may be a short delay before the setting is applied."	Fixed message	-

9.6.5.2.1.3 Button

The following table shows the buttons on the page.

Table 9-266 Button

Items	Description
"Retrieve Information"	You can retrieve date and time information from this computer or mobile device.
"OK"	-Button at the bottom of the main frame to perform settings.

When the "OK" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 9-267 Error Pop-up

Items	Description
"Invalid value below." "-Year""-Month""-Day""-Hour""-Minute"	Shows a warning when a value is entered incorrectly. If "-Year" or "-Month" is not entered, "-Day" is not verified.

9.6.5.2.2 Result Page

The following result is shown in the main frame after the “OK” button is pressed.

9.6.5.2.2.1 Image

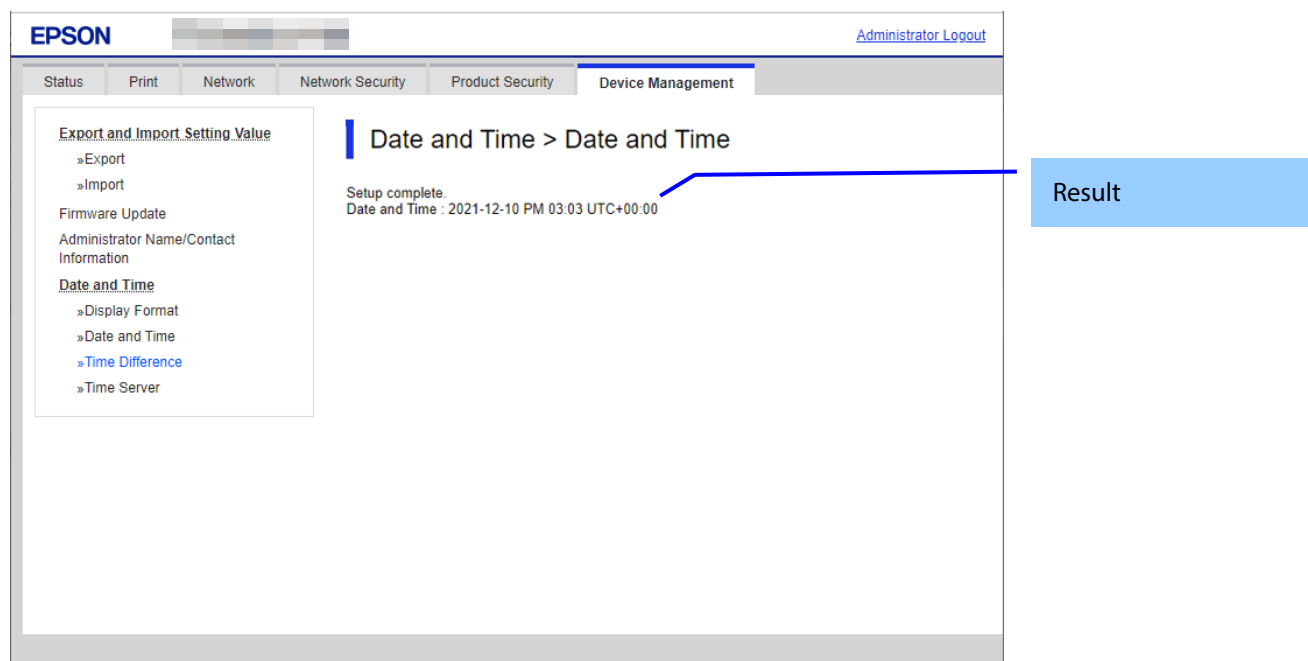


Figure 9-90 Result Page

9.6.5.2.2.2 Result

Result is below.

Table 9-268 Result

Items	Description	Condition
"Setup complete"	This message is shown when the settings are completed.	-
"Setup failed"	This message is shown if the settings fail.	-
"Date and Time"	The current date and time are displayed in the specified format.	When successful

9.6.5.3 Time Difference

9.6.5.3.1 Top Page

9.6.5.3.1.1 Image

The following figure shows the layout of this settings area.

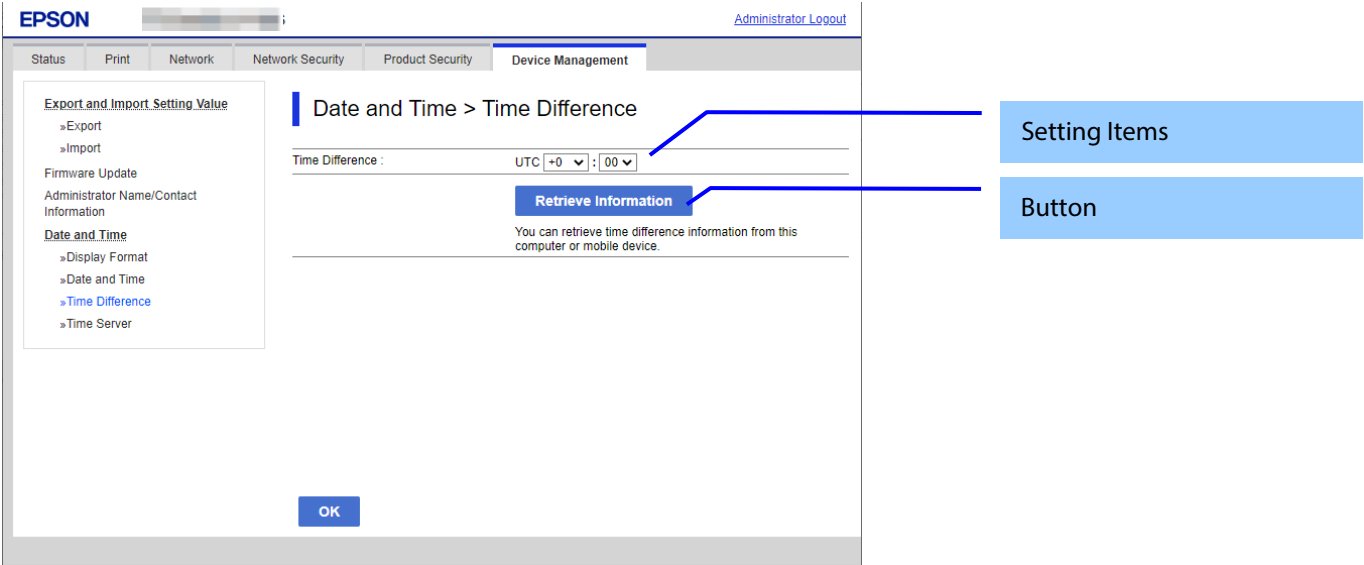


Figure 9-91 Time Difference

9.6.5.3.1.2 Setting Items

The following table shows the items on the page.

Table 9-269 Setting Items

Items	Description
"Daylight Saving Time"	Use the radio buttons to change summer time setting. <EAI/Euro> "OFF" / "ON"
"Time Difference"	Use the drop-down list to set the time difference. HH indicates the hour, and can be configured from -12 to +13. You can also select "+0" and "-0". MM indicates minutes, which can be set to 00, 15, 30 or 45. "0:00" is displayed as "+0:00".
"You can retrieve time difference information from this computer or mobile device."	Fixed strings

9.6.5.3.1.3 Button

The following table shows the buttons on the page.

Table 9-270 Button

Items	Description
"Retrieve Information"	Button used to get data from computer. This item is displayed next to "Time Difference".
"OK"	Button at the bottom of the main frame to perform settings.

9.6.5.3.2 Result Page

The result message is shown in the main frame after the “OK” button is pressed.

9.6.5.3.2.1 Image

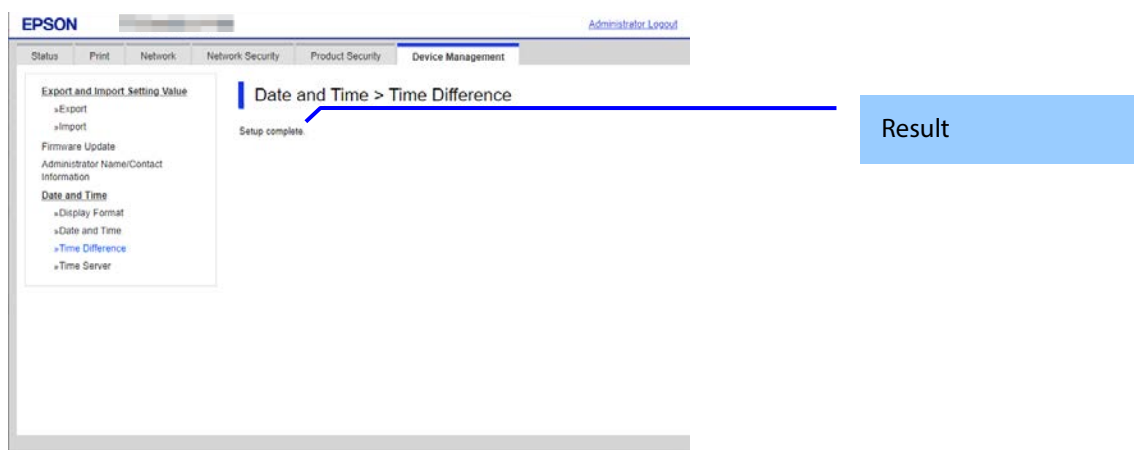


Figure 9-92 Result Page

9.6.5.3.2.2 Result

Table 9-271 Results

Items	Description
"Setup complete"	This message is shown when the settings are completed.
"Setup failed"	-This message is shown if the settings fail.

9.6.5.4 Time Server

9.6.5.4.1 Top Page

9.6.5.4.1.1 Image

The following figure shows the layout of this settings area.

The screenshot shows the EPSON Web Config interface. The top navigation bar includes 'Status', 'Print', 'Network', 'Network Security', 'Product Security', and 'Device Management'. The left sidebar lists various settings categories, with 'Date and Time' expanded to show 'Display Format', 'Date and Time', 'Time Difference', and 'Time Server'. The main content area is titled 'Date and Time > Time Server' and contains the following settings:

- Use Time Server :** Radio buttons for 'Use' and 'Do Not Use'.
- Time Server Address :** Text input field.
- Update Interval (min) :** Text input field.
- Time Server Status :** Displayed as 'Disable'.

An 'OK' button is located at the bottom of the main content area. Blue callout boxes with arrows point to the settings area and the OK button.

Figure 9-93 Time Server Settings

9.6.5.4.1.2 Setting Items

The following table shows the items on the page.

Table 9-272 Time Server Settings

Items	Description	Condition
"Use Time Server"	You can choose whether to use a time server. "Use" / "Do Not Use"	-
"Time Server Address"	Enter an NTP server address by IP address or FQDN.	Enabled if "Use" is chosen in "Use Time Server"
"Update Interval (min)"	Set the interval for updating the time on the printer.	Enabled if "Use" is chosen in "Use Time Server"
"Time Server Status"	Shows the latest connection status between the printer and the server. "Completed synchronizing" / "Synchronizing" / "Failed to synchronize" / "Disable"	Enabled if "Use" is chosen in "Use Time Server"

9.6.5.4.1.3 Button

The following table shows the buttons on the page.

Table 9-273 Button

Items	Description
"OK"	- Button at the bottom of the main frame for configuring settings.

When the "OK" button is pressed, Web Config displays a pop-up window with the following message if it recognizes an error in the entered value.

Table 9-274 Error Pop-up

Items	Description
"Invalid value below." "-Time Server Address" "-Update Interval(min)"	Shows a warning when a value is entered incorrectly.

9.6.5.4.2 Result Page

As soon as the result is determined, the following result message is shown in the main frame.

9.6.5.4.2.1 Image

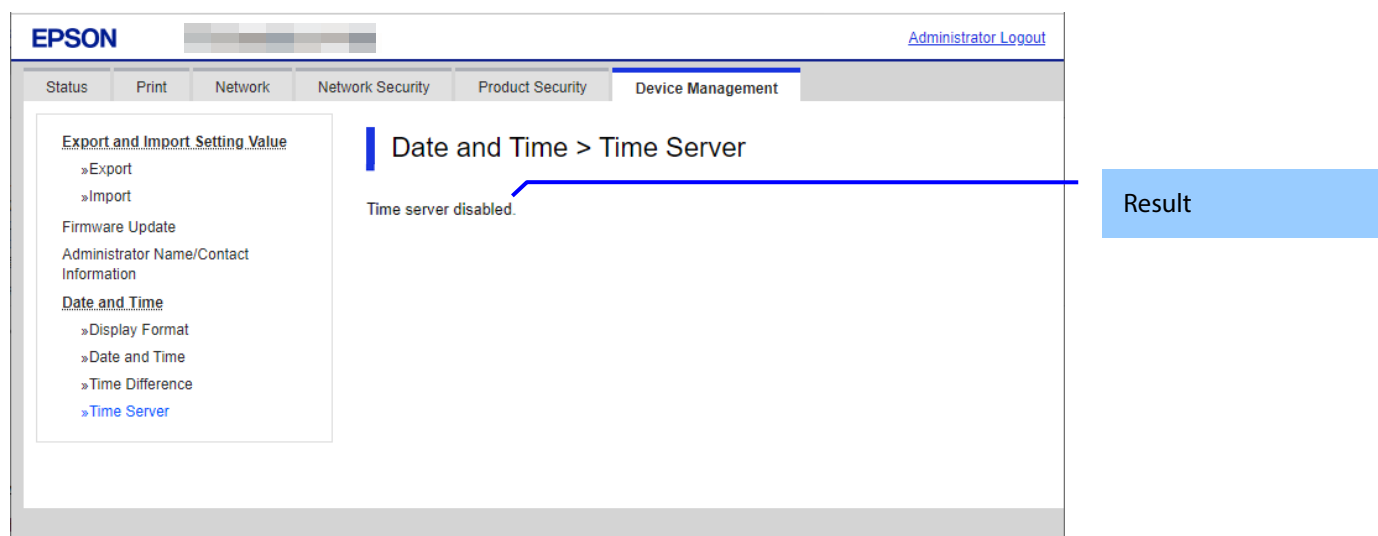


Figure 9-94 Result Page

9.6.5.4.2.2 Setting Result

The result is shown below.

Table 9-275 Result

Items	Description	Condition
"Setup complete"	This message is shown when the settings are completed.	-
"Setup failed"	This message is shown when the settings have failed.	-
"Cannot access the product until processing is complete."	This message is shown if the settings cannot be configured because the device is busy.	-

9.6.6 Restore Default Settings

9.6.6.1 Top page

9.6.6.1.1 Image

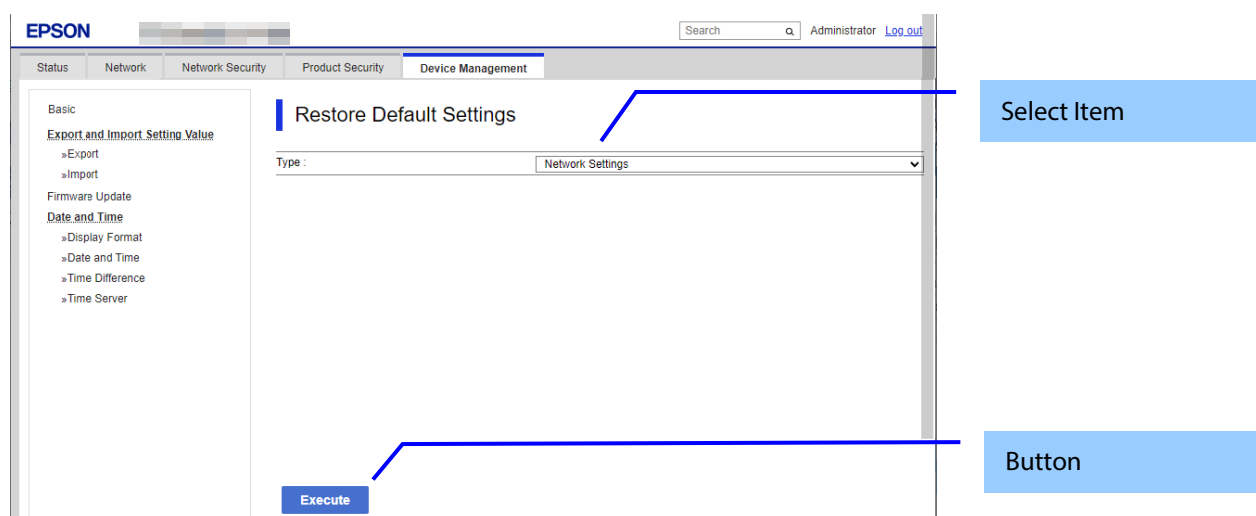


Figure 9-95 Top Page

9.6.6.1.2 Select Item

Table 9-276 Select Item

Items	Description	Condition
"Type"	Select "Network Settings" / "Erase All Memory" / "Clear All Data and Settings" in the drop-down list.	-
	Select "High Speed" / "Overwrite" / "Triple Overwrite" in the drop-down list.	This item is enabled when "Type" is set to "Erase All Memory" or "Clear All Data and Settings".

9.6.6.1.3 Button

Table 9-277 Button

Items	Description
"Execute"	Confirmation popup is displayed.

9.6.6.1.4 Confirmation popup

In Confirmation popup, below description and OK/Cancel button are displayed. When user select OK, reset would be executed and result page is displayed.

Table 9-278 Confirmation popup

Items	Description
"Restore the settings to defaults? "	This message is displayed when the user selects "Network Settings" and clicks the "Execute" button.
"Clear data in HDD? "	This message is displayed when the user selects "Erase All Memory" and clicks the "Execute" button.
"Clear all data and restore default settings? " "It may take several minutes. " "Continue? "	This message is displayed when the user selects "Clear All Data and Settings" and clicks the "Execute" button.

9.6.6.2 Result page

9.6.6.2.1 Image

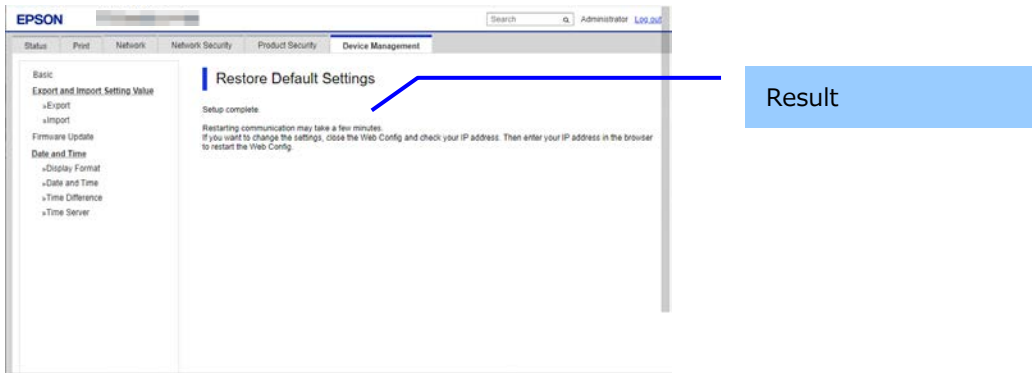


Figure 9-96 Result Page

9.6.6.2.2 Result

Table 9-279 Result

Items	Description
"Printer receives the request. "	This message is displayed when initialization without NW initialization starts successfully.
"Setup complete. " "Restarting communication may take a few minutes. " "If you want to change the settings, close the Web Config and check your IP address. Then enter your IP address in the browser to restart the Web Config. "	This message is displayed when initialization with NW initialization starts successfully.
"Printer cannot perform the request. "	This message is displayed if the printer cannot be initialized.

9.7 Cloud Services

9.7.1 Basic

9.7.1.1 Top page

9.7.1.1.1 Image

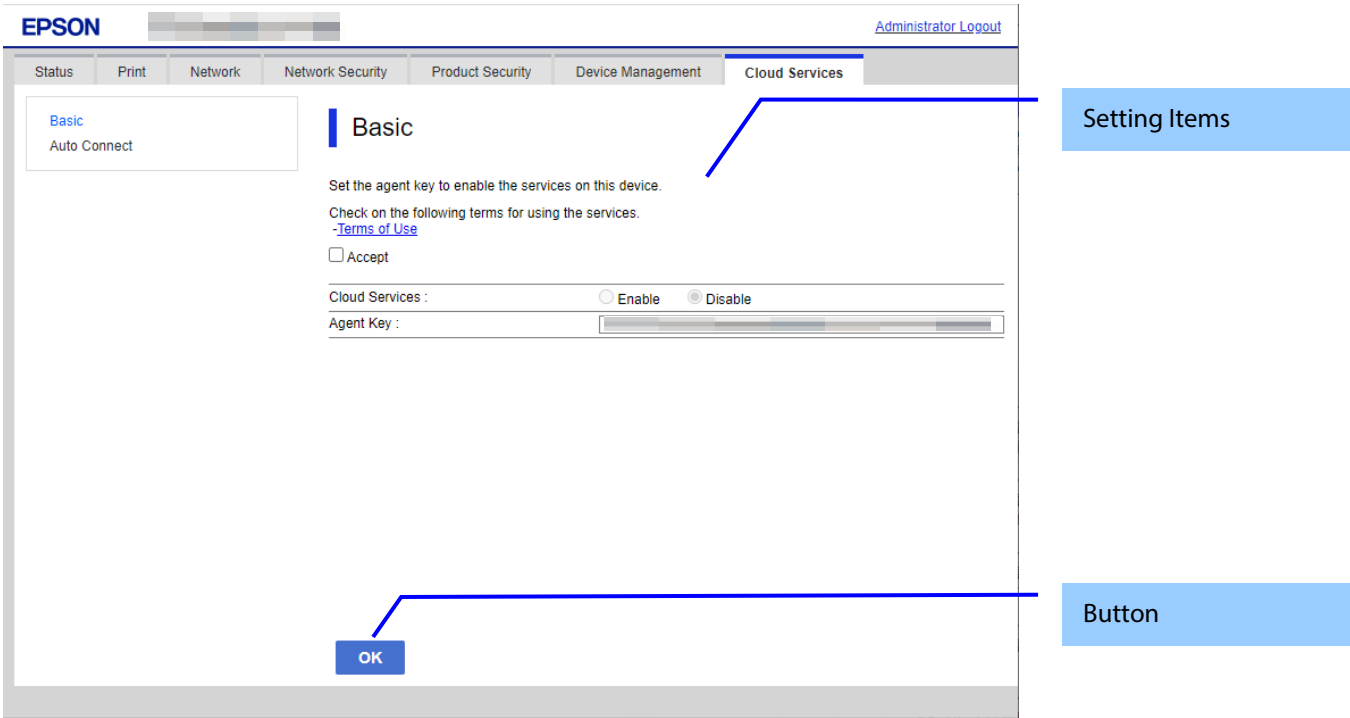


Figure 9-97 Top page

9.7.1.1.2 Setting items

Table 9-280 Setting items

Items	Description	Condition
"Cloud Services"	Displays whether it is possible to connect to Cloud Services. "Enable" / "Disable"	-
"Check on the following terms for using the services."	Fixed Strings	-
"Terms of Use"	If you click "Terms of Use", the Web Config accesses the following link in another window. <i>https://pos-cloud-link.epson.com/documents/license.html</i>	-
"Accept"	Check box. When this item is checked, the "OK" button is enabled.	-

9.7.1.1.3 Button

The following table shows the button on the page.

Table 9-281 Button

Items	Description
"OK"	- Button at the bottom of the main frame for configuring settings.

9.7.1.2 Result page

The result message is shown in the main frame after the “OK” button is pressed.

9.7.1.2.1 Image

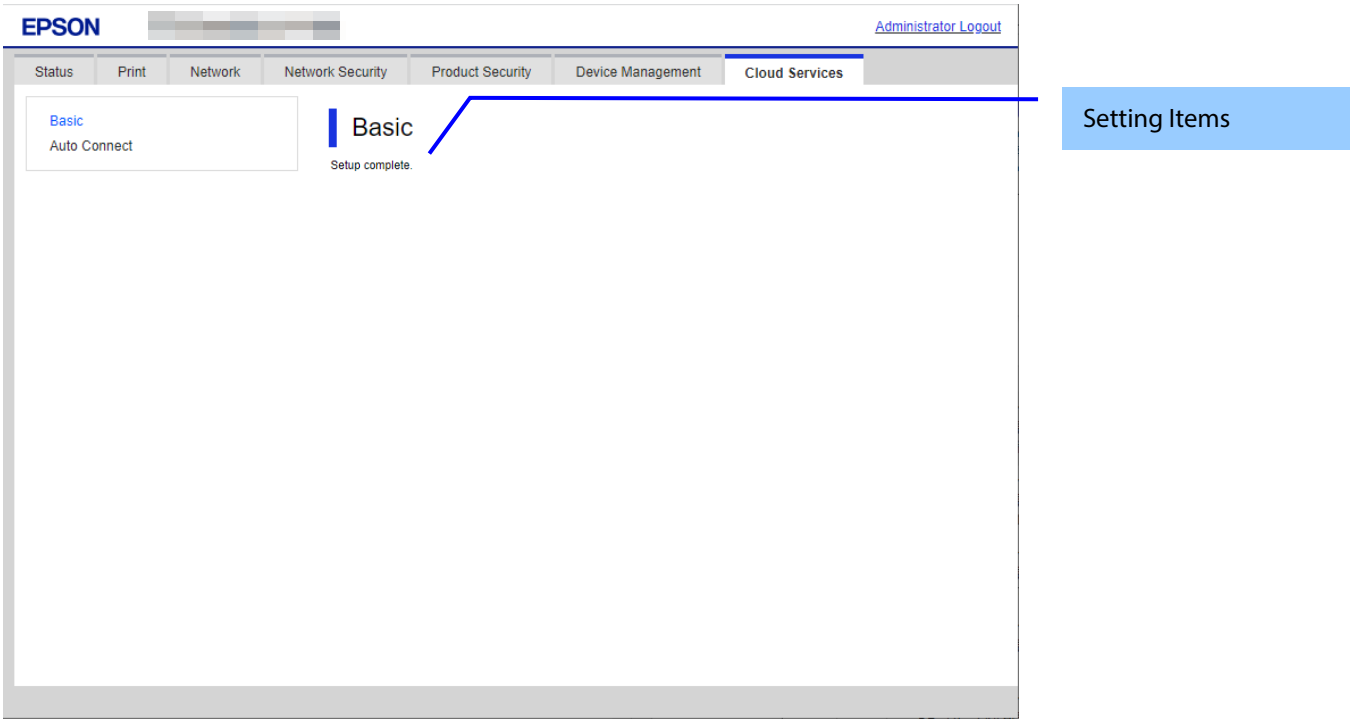


Figure 9-98 Result page

9.7.1.2.2 Setting items

Table 9-282 Setting items

Items	Description
"Setup complete"	This message is shown when the settings are completed.
"Setup failed"	-This message is shown if the settings fail.

9.7.2 Auto Connection

9.7.2.1 Top page

9.7.2.1.1 Image

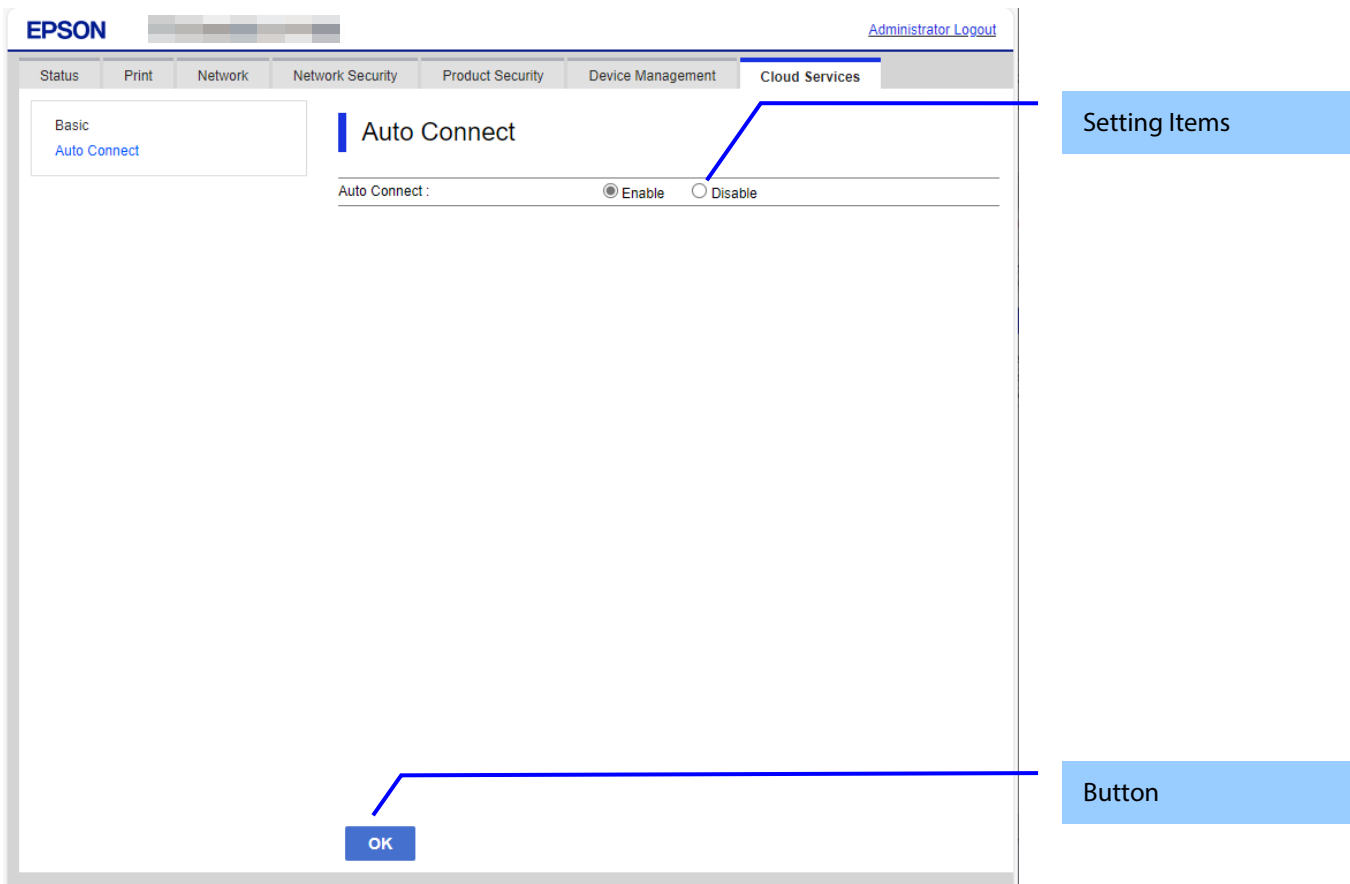


Figure 9-99 Top page

9.7.2.1.2 Setting items

Table 9-283 Setting items		
Items	Description	Condition
"Auto Connect"	Two radio buttons are provided to choose either of the following: "Enable" / "Disable" The default setting is "Enable". If you select "Disable", cloud service auto connection will be disabled.	-

9.7.2.1.3 Button

The following table shows the button on the page.

Table 9-284 Button	
Items	Description
"OK"	Button on bottom of the main frame used to perform setting.

9.7.2.2 Result page

The result message is shown on the main frame after "OK" button is pressed.

9.7.2.2.1 Image

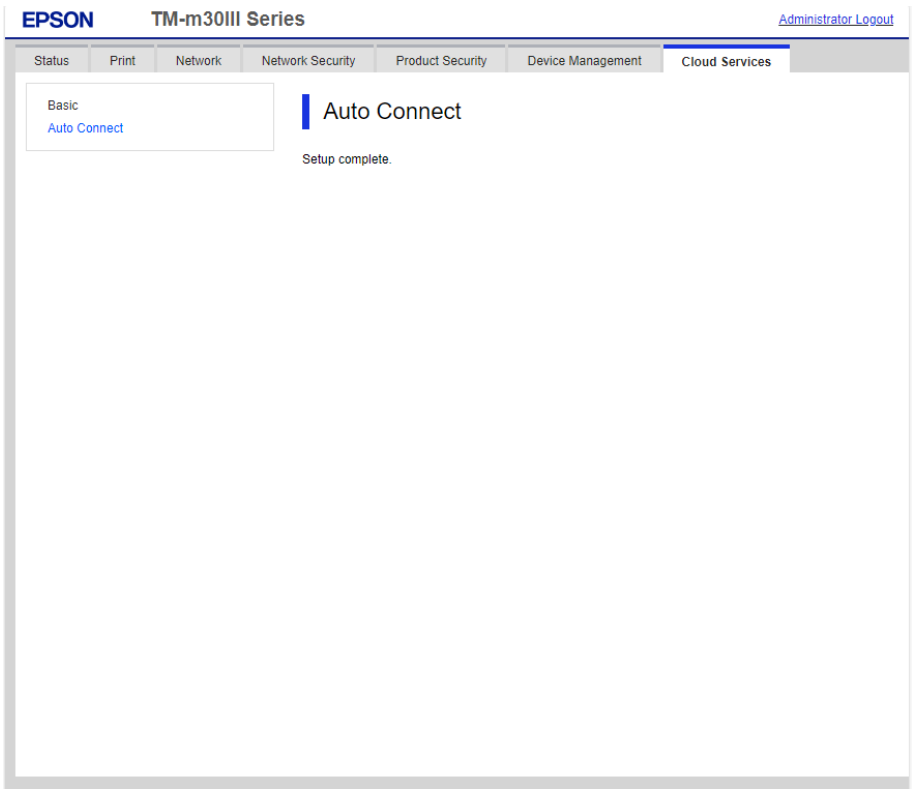


Figure 9-100 Result page

9.7.2.2.2 Setting items

Table 9-285 Setting Result

Items	Description
"Setup complete."	This message is shown when setup is completed.
"Setup failed."	This message is shown when setup has failed.

10. TM-i Settings

WebConfig-i provides support for changing settings related to TM-i from the UI displayed in the browser.

10.1 Authentication

The WebConfig-i screen is displayed only if the administrator is already logged on to WebConfig. If the administrator is not logged in to WebConfig, the authentication error page shown in Figure 10-1 Authentication Error Page is displayed.

10.1.1 Image



Figure 10-1 Authentication Error Page

10.2 Page Layout

The page is divided into three sections as shown below. A screen image is shown in Figure 10-2 Page Layout. Title window: Upper pane showing title and button to apply settings. Menu window: Left pane showing menu of settings. Settings window: Right pane showing actual setting values.

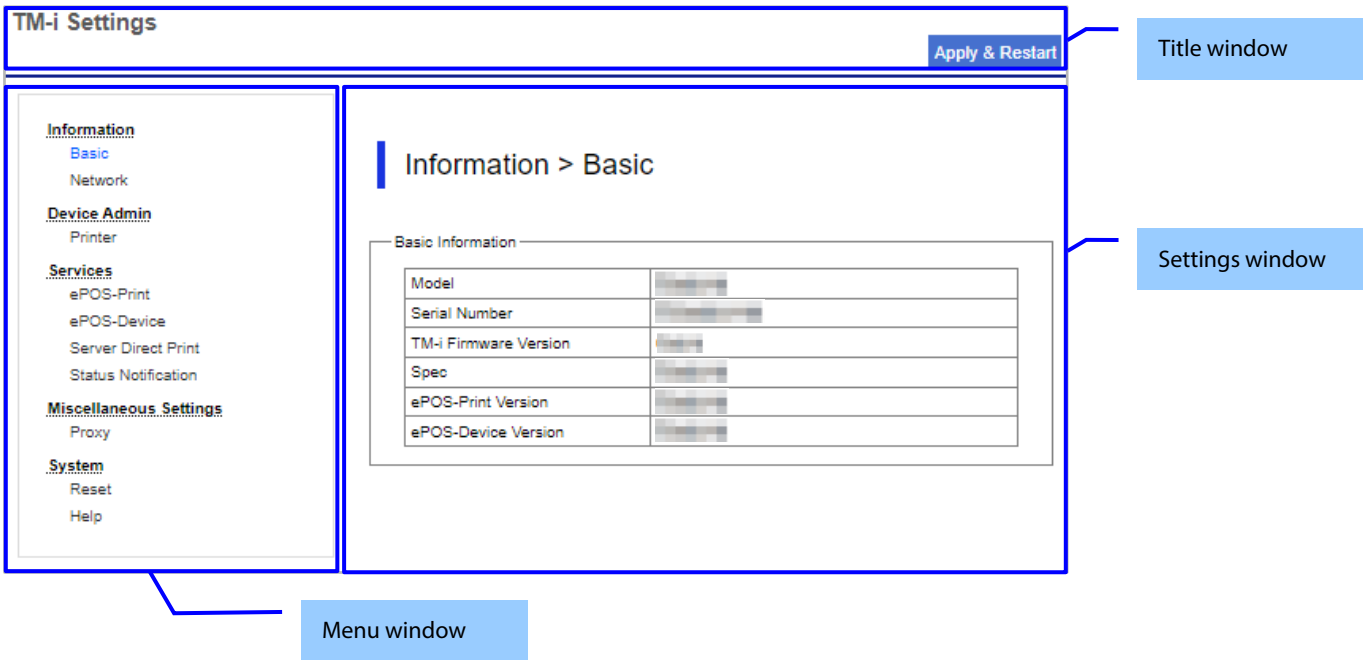


Figure 10-2 Page Layout

10.3 Title Window

10.3.1 Display Items

Table 10-1 Display Items

Items	Description										
"TM-i Settings"	The title is displayed in the upper left corner of the title window.										
"Apply & Restart" button	<div><p>A button for applying the settings and restarting the system is found in the lower right corner of the title window.</p><p>If the button is pressed, the dialog shown below will be displayed. However, if there is an error in the settings, the button will not respond.</p><div><div>Confirm</div><div>Apply and restart ?</div><div>OKCancel</div></div><table><tr><th>Items</th><th>Description</th></tr><tr><td>"Confirm"</td><td>Title</td></tr><tr><td>"Apply and restart ?"</td><td>Text</td></tr><tr><td>"OK" button</td><td>Applies the settings and restarts. For details on restarting, see 10.3.2 Restarting.</td></tr><tr><td>"Cancel" button</td><td>Closes the dialog.</td></tr></table></div>	Items	Description	"Confirm"	Title	"Apply and restart ?"	Text	"OK" button	Applies the settings and restarts. For details on restarting, see 10.3.2 Restarting.	"Cancel" button	Closes the dialog.
Items	Description										
"Confirm"	Title										
"Apply and restart ?"	Text										
"OK" button	Applies the settings and restarts. For details on restarting, see 10.3.2 Restarting.										
"Cancel" button	Closes the dialog.										

10.3.2 Restarting

When restarting, wait for the following screen to appear and the restarting process to be completed. Restart completion is determined by whether index_options.json has been successfully read. The timeout period is 3 minutes. If the timeout period expires, close the screen and reload the page.



Figure 10-3

Table 10-2 Display Items

Items	Description
"Restarting ... Elapsed time : x seconds"	Character string indicating the restart status.

10.4 Menu Window

Depending on the model, the menu shown in Table 10-3 may be displayed. The sub-items are links, which, when clicked, change the screen of the settings window.
Only the Network menu links to the WebConfig screen.

Table 10-3 Menu Layout	
Main items	Sub-items
"Information"	"Basic"
	"Network"
"Device Admin"	"Printer"
	"Slip"
"Services"	"ePOS-Print"
	"ePOS-Device"
	"Server Direct Print"
	"Status Notification"
"Miscellaneous Settings"	"Proxy"
"System"	"Reset"
	"Help"

Menu main items and sub-items are also displayed in the title of the settings window. An example is shown in Figure 10-4.

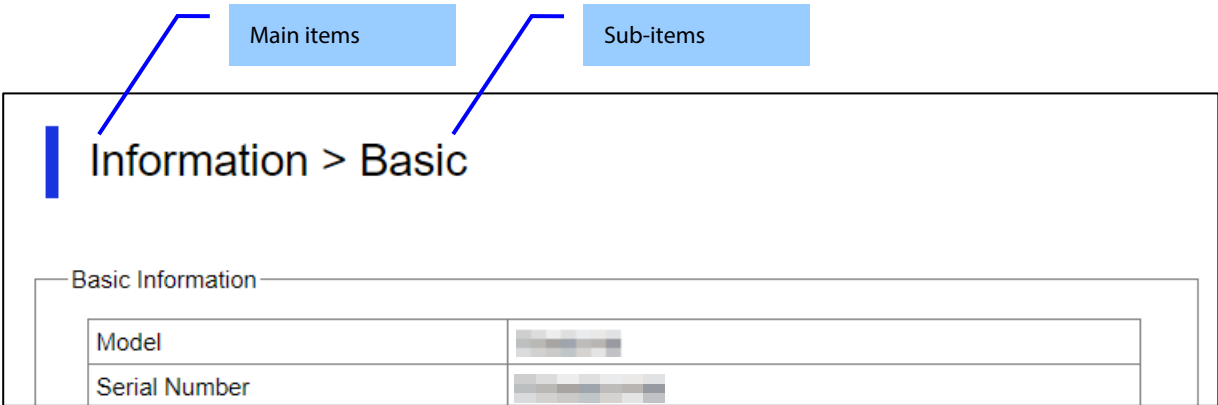


Figure 10-4 Relationship Between Menu Name and Title of Settings Window

10.5 Settings Window

10.5.1 Common Items

10.5.1.1 Error Display in Text Box

If the input value is invalid, the background color of the text box will be yellow and the error content will be displayed in red text on the right side.
An example of the display is shown in Figure 10-5.

Port	<input type="text" value="80"/>
ID	<input type="text" value="aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"/> Too long
Password	<input type="password"/>

Figure 10-5 Error Display in Text Box

10.5.1.2 Dialog

An example of a dialog displaying an error and message is shown in Figure 10-6.

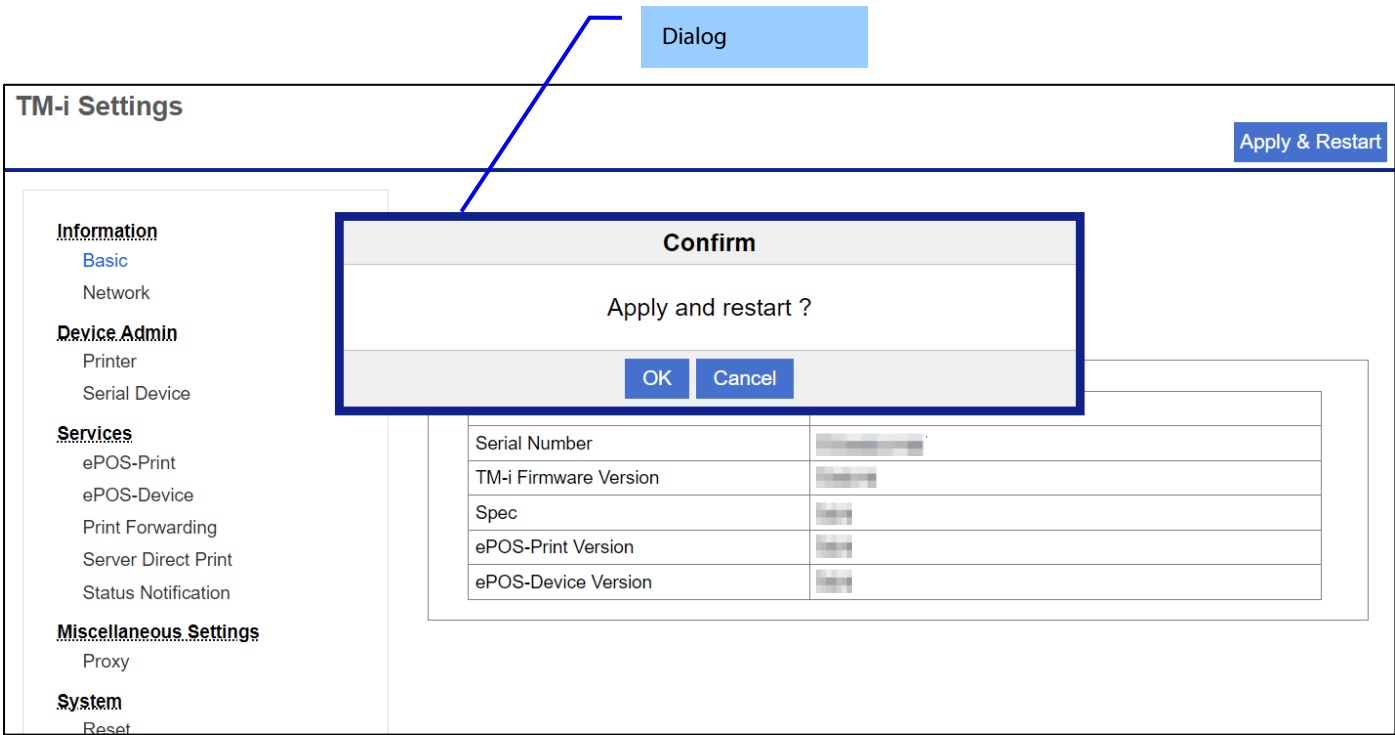


Figure 10-6 Example of Dialog Display

10.5.1.3 Input Limits

The fields shown in Table 10-4 on each page have limits on input values. If a value is outside the limit, the string/value will be treated as invalid.

Table 10-4 Field Input Limits

Items	Limit
URL	Must start with [http(s)://] and not exceed 2043 characters.
ID	Only [A-Z, a-z, 0-9, underscores, periods, and hyphens] are allowed, up to 30 characters.
Password	Only [A-Z, a-z, 0-9, underscores, periods, and hyphens] are allowed, up to 30 characters.
Name	Only [A-Z, a-z, 0-9, underscores, periods, and hyphens] are allowed, up to 30 characters.
DeviceID	Only [A-Z, a-z, 0-9, underscores, periods, and hyphens] are allowed, up to 30 characters.

10.5.2 Basic Screen

Displays basic information about TM-i.

10.5.2.1 Image

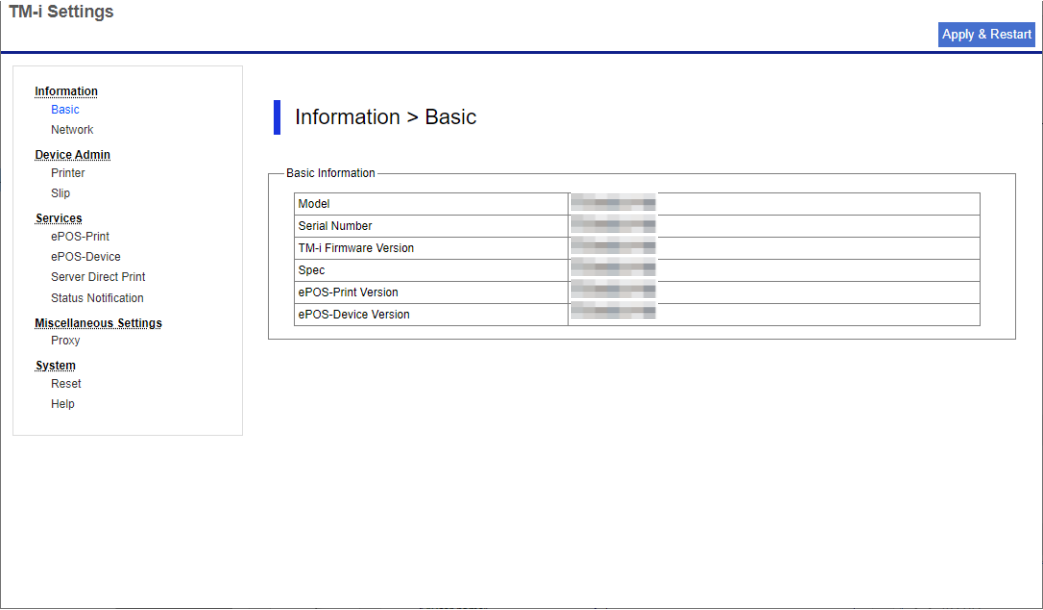


Figure 10-7 Basic

10.5.3 Display Items

Table 10-5 Display Items

Items	Description
"Basic Information"	Group title
"Model"	Displays the model name.
"Serial Number"	Displays the serial number. If the serial number is not stored, "(none)" is displayed.
"TM-i Firmware Version"	Displays version information for TM-i.
"Spec"	Displays the destination.
"ePOS-Print Version"	Display the version of ePOS-Print.
"ePOS-Device Version"	Displays the version of ePOS-Device.

10.6 Printer Screen

Displays a screen for registering network printers.

10.6.1 Image

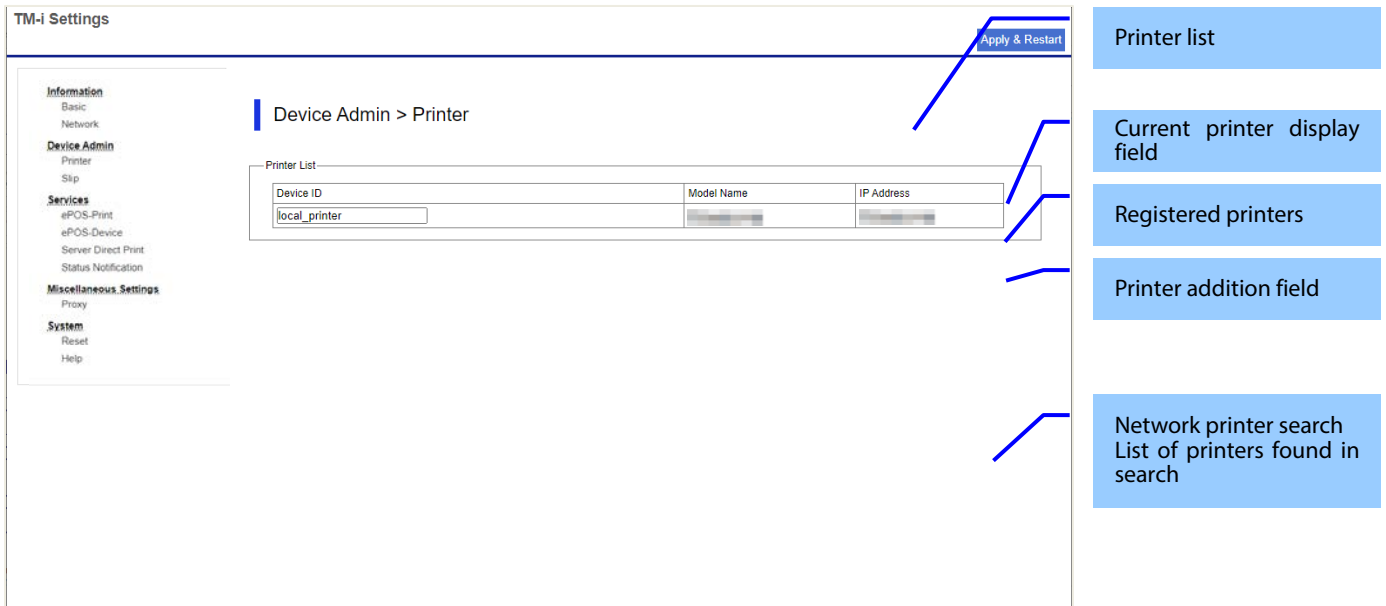


Figure 10-8 Printer

10.6.2 Printer List

10.6.2.1 Display Items

Displays a table listing of registered printers. Also has the ability to add, delete, and edit printers.

- The top row displays information about the current printer. Values cannot be changed.

Table 10-6 Display Items

Items	Description
"Printer List"	Group that displays a list of information on registered printers
"Delete/New"	Displays buttons for adding and deleting printers. <ul style="list-style-type: none">● The top row shows the current printer, so buttons are not displayed.● Displays a Delete button for registered printers.● Displays a New button on the bottom row.
"Device ID"	A text box displays the device ID assigned to the printer. <ul style="list-style-type: none">● In a printer addition field on the bottom row, "network_printer_####" is displayed in a text box. Assigns sequential numbers to ####, starting from 0001. Assigns the lowest unused number up to 9999 for which an ID already exists. If the number exceeds 9999, "network_printer_Too_many_printer" is displayed in a text box.
"Model Name"	Displays the model name or model series in a drop-down list. <ul style="list-style-type: none">● For the current printer in the top row, the model name is displayed in text and cannot be changed.● The list of model names to be displayed in the drop-down list is as follows: "TM-T88 series" (default) / "TM-T82 series" / "TM-T70 series" / "TM-T20 series" / "TM-m50 series" / "TM-m30 series" / "TM-m10 series" / "TM-P80 series" / "TM-P60 series" / "TM-P20 series" / "TM-U220 series" / "TM-H6000 series" / "TM-T90 series" / "TM-L90" / "TM-L100"
"IP Address"	Displays IPv4 address in a text box. <ul style="list-style-type: none">● The initial (default) value is an empty string.● For the current printer in the top row, a fixed value (127.0.0.1) is displayed in text and cannot be changed.

10.6.3 Error Dialog

The content of an error dialog showing that an input value is incorrect is shown below.



Figure 10-9 Error Dialog

Table 10-7 Error Dialog

Items	Description	
"Warning"	Title	
Text (see table at right)	"Device ID:{devid} is already registered."	Will be displayed if the device ID has already been registered. {devid} will contain the entered device ID.
	"Invalid string"	Will be displayed if the device ID is invalid.
	"Too long"	Will be displayed if the length of the device ID exceeds the limit.
	"Device ID is missing."	Will be displayed if the device ID is missing (empty).

10.7 Slip Screen

Displays the slip print setting screen.

10.7.1 Image

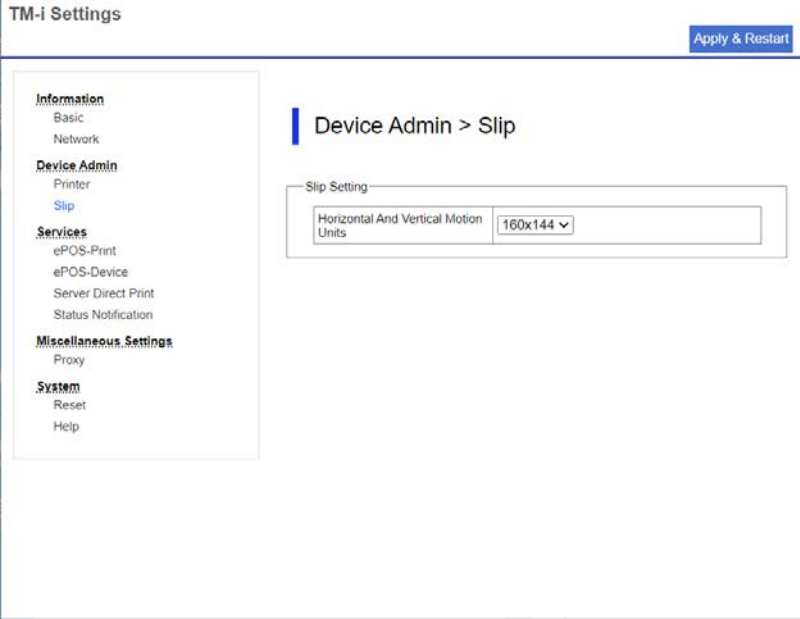


Figure 10-10 Slip

10.7.2 Display Items

Table 10-8 Display Items

Items	Description
"Slip Setting"	Group title
"Horizontal And Vertical Motion Units"	Provides a drop-down list to select from among the following resolutions for slip printing: "160x144" / "80x72"

10.8 ePOS-Print

Displays the ePOS-Print setting screen.

10.8.1 Image

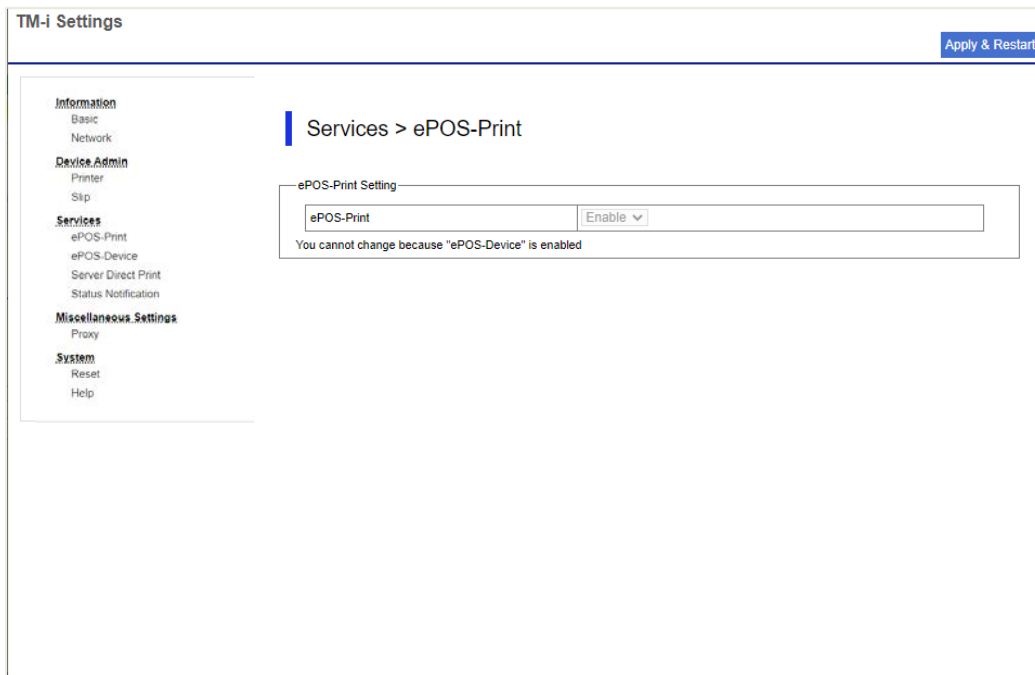


Figure 10-11 ePOS-Print

10.8.2 Display Items

Table 10-9 Display Items

Items	Description	Condition
"ePOS-Print Setting"	Group title	-
"ePOS-Print"	Provides a drop-down list with the following options to enable or disable ePOS-Print: "Enable" / "Disable"	Grayed out if either of these conditions is met: ● "ePOS-Device" is "Enable". ● "Server Direct Print" is "Enable".
"You cannot change because "Server Direct Print" and "ePOS-Device" are enabled"	Fixed string indicating the cause when ePOS-Print setting cannot be changed.	Will be displayed when both ePOS-Device and Server Direct Print are enabled.
"You cannot change because "ePOS-Device" is enabled"	Fixed string indicating the cause when ePOS-Print setting cannot be changed.	Will be displayed when ePOS-Device is enabled.
"You cannot change because "Server Direct Print" is enabled"	Fixed string indicating the cause when ePOS-Print setting cannot be changed.	Will be displayed when Server Direct Print is enabled.

10.9 ePOS-Device

Displays the ePOS-Device setting screen.

10.9.1 Image

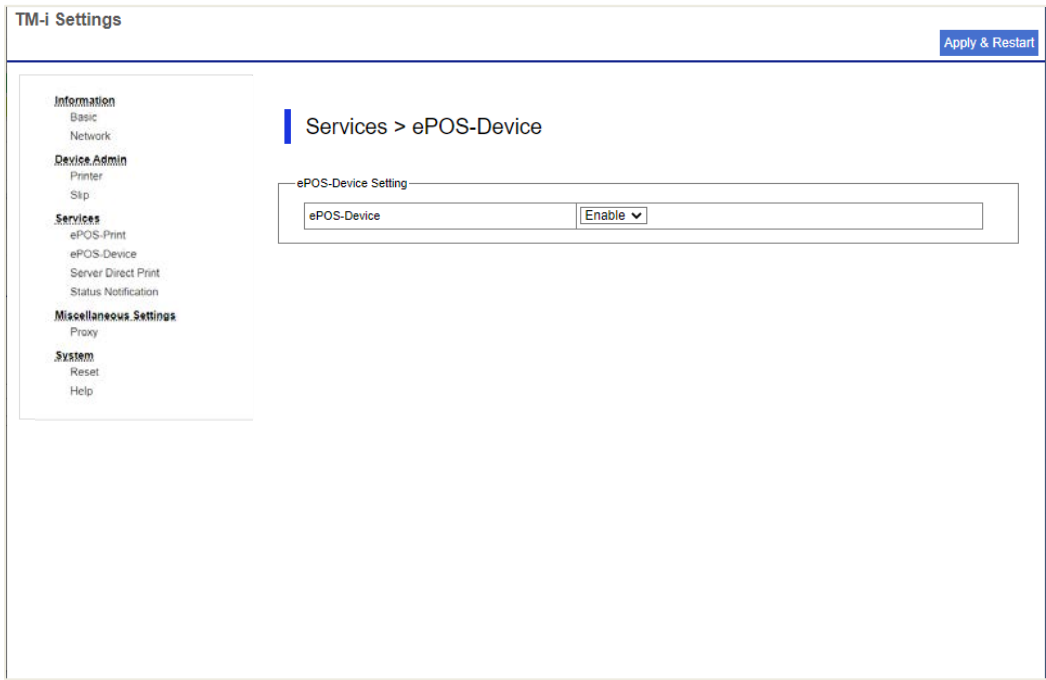


Figure 10-12 ePOS-Device

10.9.2 Display Items

Table 10-10 Display Items

Items	Description
"ePOS-Device Setting"	Group title
"ePOS-Device"	Provides a drop-down list with the following options to enable or disable ePOS-Device: "Enable" / "Disable"

10.10 Server Direct Print

10.10.1 Image

The screenshot displays the 'TM-i Settings' application. On the left is a sidebar menu with categories: Information, Basic, Network, Device Admin, Printer, Slip, Services, ePOS-Print, ePOS-Device, Server Direct Print, Status Notification, Miscellaneous Settings, Proxy, System, Reset, and Help. The 'Server Direct Print' option under 'Services' is selected. The main panel shows the 'Services > Server Direct Print' configuration. At the top right is an 'Apply & Restart' button. The 'Server Direct Print Setting' form includes a toggle for 'Server Direct Print' (set to 'Enable'). Below are three server configuration blocks (Server1, Server2, Server3), each with a 'URL (Input with http:// or https://)' field and an 'Interval(s) [0-86400]' field (set to 5). At the bottom are fields for 'ID', 'Password', 'URL Encode' (set to 'Enable'), 'Name', and 'Server Authentication' (set to 'Disable').

Figure 10-13 Server Direct Print

10.10.2 Display Items

Table 10-11 Display Items

Items		Description	Condition
"Server Direct Print Setting"		Group title	-
"Server Direct Print"		Provides a drop-down list with the following options to enable or disable Server Direct Print: "Enable" / "Disable"	-
"Server1"	"URL (Input with http:// or https://)"	Provides a text box to enter the URL of the first server. Error messages are displayed in the following cases: ● When URL is invalid: "Invalid URL"	Will be grayed out when "Server Direct Print" is "Disable."
	"Interval(s) [0-86400]"	Provides a text box to enter the access interval to the first server. Error messages are displayed in the following cases: ● When character other than [0-9] is included: "Only numerics" ● When outside the [0-86400] range: "Invalid range"	Will be grayed out when "Server Direct Print" is "Disable."
Server2	Same as above	Displays second server's settings. Content is same as Server 1.	Will be grayed out when "Server Direct Print" is "Disable."
Server3	Same as above	Displays third server's settings. Content is same as Server 1.	Will be grayed out when "Server Direct Print" is "Disable."
"ID"		Provides a text box to enter the ID used for server authentication. Error messages are displayed in the following cases: ● When more than 30 characters: "Too long" ● When input value is invalid: "Invalid string"	Will be grayed out when "Server Direct Print" is "Disable."
"Password"		Provides a text box to enter the password used for server authentication. The input value is masked and displayed. Error messages are displayed in the following cases: ● When more than 30 characters: "Too long" ● When input value is invalid: "Invalid string"	Will be grayed out when "Server Direct Print" is "Disable."

"URL Encode"	Provides a drop-down list with the following options to enable or disable URL encoding: "Enable" / "Disable"	Will be grayed out when "Server Direct Print" is "Disable."
"Name"	Provides a text box to enter the name for identifying the printer. Error messages are displayed in the following cases: <ul style="list-style-type: none"> ● When more than 30 characters: "Too long" ● When input value is invalid: "Invalid string" 	Will be grayed out when "Server Direct Print" is "Disable."
"Server Authentication"	Provides a drop-down list with the following options to enable or disable server authentication: "Enable" / "Disable"	Will be grayed out when "Server Direct Print" is "Disable."

10.11 Status Notification Screen

10.11.1 Image

TM-i Settings Apply & Restart

Information
Basic
Network

Device Admin
Printer
Slip

Services
ePOS-Print
ePOS-Device
Server Direct Print
Status Notification

Miscellaneous Settings
Proxy

System
Reset
Help

Services > Status Notification

Status Notification Setting

Status Notification Enable

URL(Input with http:// or https://)

Interval(s) [1-86400]

ID

Password

URL Encode Enable

Name

Server Authentication Disable

Figure 10-14 Status Notification

10.11.2 Display Items

Table 10-12 Display Items

Items	Description	Condition
"Status Notification Setting"	Group title	-
"Status Notification"	Provides a drop-down list with the following options to enable or disable status notifications: "Enable" / "Disable"	-
"URL (Input with http:// or https://)"	Provides a text box to enter the server URL. Error messages are displayed in the following cases: ● When URL is invalid: "Invalid URL"	Will be grayed out when "Status Notification" is "Disable."
"Interval(s)"	Provides a text box to enter the access interval to the server. ● When character other than [0-9] is included: "Only numerics" ● When outside the [0-86400] range: "Invalid range"	Will be grayed out when "Status Notification" is "Disable."
"ID"	Provides a text box to enter the ID used for server authentication. ● When more than 30 characters: "Too long" ● When input value is invalid: "Invalid string"	Will be grayed out when "Status Notification" is "Disable."
"Password"	Provides a text box to enter the password used for server authentication. ● When more than 30 characters: "Too long" ● When input value is invalid: "Invalid string"	Will be grayed out when "Status Notification" is "Disable."
"URL Encode"	Provides a drop-down list with the following options to enable or disable URL encoding: "Enable" / "Disable"	Will be grayed out when "Status Notification" is "Disable."
"Name"	Provides a text box to enter the name for identifying the printer. ● When more than 30 characters: "Too long" ● When input value is invalid: "Invalid string"	Will be grayed out when "Status Notification" is "Disable."

"Server Authentication"	Provides a drop-down list with the following options to enable or disable server authentication: "Enable" / "Disable"	Will be grayed out when "Status Notification" is "Disable."
-------------------------	--	---

10.12 Proxy Screen

10.12.1 Image

TM-i Settings

Apply & Restart

Information
Basic
Network

Device Admin
Printer
Slip

Services
ePOS-Print
ePOS-Device
Server Direct Print
Status Notification

Miscellaneous Settings
Proxy

System
Reset
Help

Miscellaneous Settings > Proxy

Proxy Setting

Proxy: Enable

URL (Input with http:// or https://):

Port: 80

ID:

Password:

Services

Server Direct Print: Disable

Status Notification: Disable

Figure 10-15 Proxy

10.12.2 Display Items

Table 10-13 Display Items

Items	Description	Condition
"Proxy Setting"	Group title	-
"Proxy"	Provides a drop-down list with the following options to enable or disable proxy use: "Enable" / "Disable"	-
"URL (Input with http:// or https://)"	Provides a text box to enter the proxy server URL. Error messages are displayed in the following cases: <ul style="list-style-type: none">● When URL is invalid: "Invalid URL"	Will be grayed out when "Proxy" is "Disable."
"Port"	Provides a text box to enter the port of the proxy server. <ul style="list-style-type: none">● When character other than [0-9] is included: "Only numerics"● When outside the [0-65535] range: "Invalid range"	Will be grayed out when "Proxy" is "Disable."
"ID"	Provides a text box to enter the ID used for proxy authentication. <ul style="list-style-type: none">● When more than 30 characters: "Too long"● When input value is invalid: "Invalid string"	Will be grayed out when "Proxy" is "Disable."
"Password"	Provides a text box to enter the password used for proxy authentication. <ul style="list-style-type: none">● When more than 30 characters: "Too long"● When input value is invalid: "Invalid string"	Will be grayed out when "Proxy" is "Disable."
"Services"	Group title	-
"Server Direct Print"	Provides a drop-down list with the following options to enable or disable the use of proxies for Server Direct Print: "Enable" / "Disable"	Will be grayed out when "Proxy" is "Disable."
"Status Notification"	Provides a drop-down list with the following options to enable or disable proxy use in status notifications: "Enable" / "Disable"	Will be grayed out when "Proxy" is "Disable."

10.13 Reset Screen

10.13.1 Image

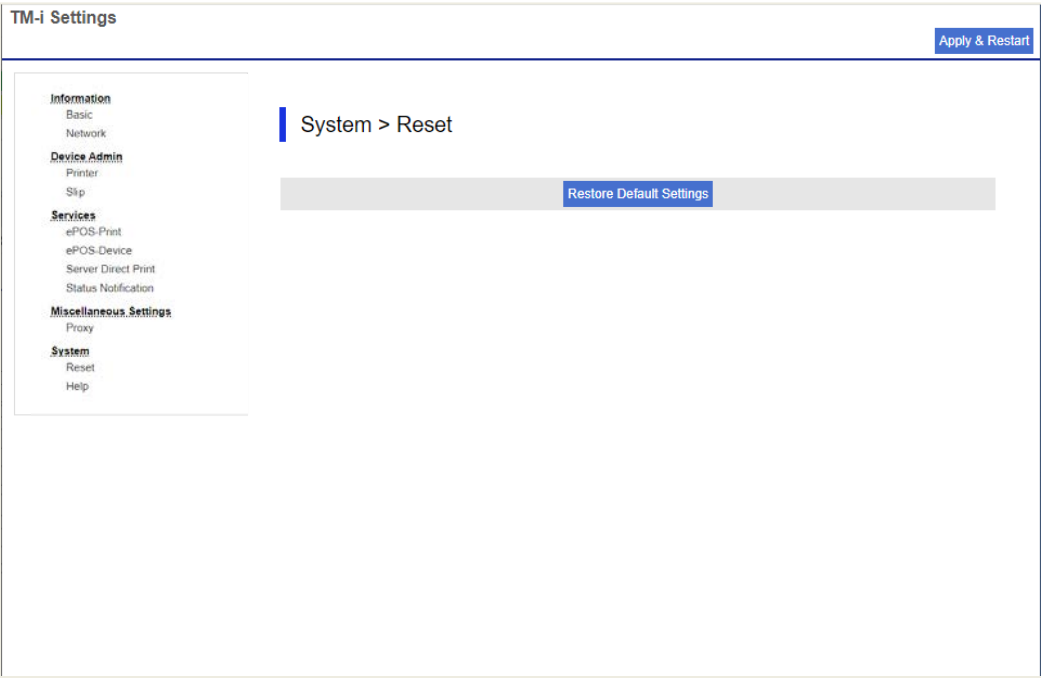


Figure 10-16 Reset

10.13.2 Button

Table 10-14 Button

Items	Description																
"Restore Default Settings" button	<div>The following dialog will be displayed.</div> <div><table><tr><th colspan="2">Confirm</th></tr><tr><td colspan="2">Restore default settings?</td></tr><tr><td>OK</td><td>Cancel</td></tr></table></div> <div><table><tr><th>Items</th><th>Description</th></tr><tr><td>"Confirm"</td><td>Dialog title</td></tr><tr><td>"Restore default settings?"</td><td>Text</td></tr><tr><td>"OK" button</td><td>Restores the settings to those at the time of purchase and then restarts. For details on restarting, see 10.3.2 Restarting.</td></tr><tr><td>"Cancel" button</td><td>Closes the dialog.</td></tr></table></div>	Confirm		Restore default settings?		OK	Cancel	Items	Description	"Confirm"	Dialog title	"Restore default settings?"	Text	"OK" button	Restores the settings to those at the time of purchase and then restarts. For details on restarting, see 10.3.2 Restarting.	"Cancel" button	Closes the dialog.
Confirm																	
Restore default settings?																	
OK	Cancel																
Items	Description																
"Confirm"	Dialog title																
"Restore default settings?"	Text																
"OK" button	Restores the settings to those at the time of purchase and then restarts. For details on restarting, see 10.3.2 Restarting.																
"Cancel" button	Closes the dialog.																

10.14 Help Screen

10.14.1 Image

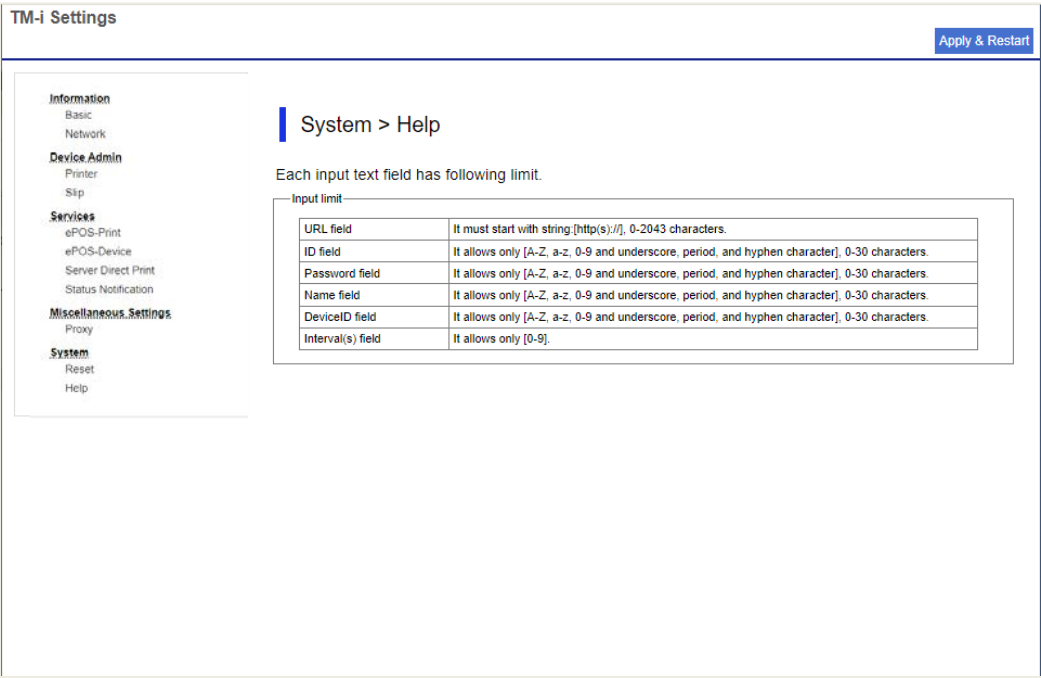


Figure 10-17 Basic

10.14.2 Display Items

Table 10-15 Display Items

Items	Description
"Each input text field has following limit."	Displays a description of the input limitations.
"Input limit"	Group title
"URL field"	Displays a description of the input limitations for URL. "It must start with string:[http(s)://], 0-2043 characters."
"ID field"	Displays a description of the input limitations for ID. "It allows only [A-Z, a-z, 0-9 and underscore, period, and hyphen character], 0-30 characters."
"Password field"	Displays a description of the input limitations for Password. "It allows only [A-Z, a-z, 0-9 and underscore, period, and hyphen character], 0-30 characters."
"Name field"	Displays a description of the input limitations for Name. "It allows only [A-Z, a-z, 0-9 and underscore, period, and hyphen character], 0-30 characters."
"DeviceID field"	Displays a description of the input limitations for Device ID. "It allows only [A-Z, a-z, 0-9 and underscore, period, and hyphen character], 0-30 characters."
"Interval(s) field"	Displays a description of the input limitations for Interval. "It allows only [0-9]."

11. List of Functions by Model

Functions	TM-H6000VI	TM-S1000II-NW	TM-T20IV-L TM-T20X-II TM-T82IV-L TM-T82X-II TM-T83IV	TM-T20IV TM-T20IV-SP TM-T82IV
Password authentication	✓	✓	✓	✓
Basic Settings	✓	✓	✓	✓
Wi-Fi	✓	✓	-	✓
Wi-Fi Direct	✓	-	-	✓
Network Settings	-	✓	-	-
Print Settings	✓	-	✓	✓
Firmware Update	✓	✓	✓	✓
Root Certificate Update	-	✓	-	-
Cloud Services	-	-	-	✓*
Product Status	-	✓	-	-
Advanced Settings	✓	✓	✓	✓
Advanced Settings	✓	✓	✓	✓
Status	✓	✓	✓	✓
Product Status	✓	✓	✓	✓
Network Status	✓	✓	✓	✓
TM-Intelligent	✓	-	-	-
TM-i Setting	✓	-	-	-
Print	✓	-	✓	✓
Print Settings	✓	-	✓	✓
Secure Printing	✓	-	-	✓
Network	✓	✓	✓	✓
Basic	✓	✓	✓	✓
Wi-Fi	✓	✓	-	✓
Wired LAN	✓	✓	✓	✓
Wi-Fi Direct	✓	-	-	✓
Network Security	✓	✓	✓	✓
Protocol	✓	✓	✓	✓
CA Certificate	✓	✓	-	✓
Root Certificate Update	✓	✓	✓	✓
SSL/TLS	✓	✓	✓	✓
Basic	✓	✓	✓	✓
Certificate	✓	✓	✓	✓
Automatic Certificate Update	-	-	-	✓
IPsec/IP Filtering	✓	✓	-	-
Basic	✓	✓	-	-
Client Certificate	✓	✓	-	-
IEEE802.1X	✓	✓	-	✓
Basic	✓	✓	-	✓
Client Certificate	✓	✓	-	✓
Product Security	✓	✓	✓	✓
Password Encryption	✓	✓	✓	✓
Change Administrator Password	✓	✓	✓	✓
Program Verification on Start Up	-	✓	-	-
Device Management	✓	✓	✓	✓
Basic	✓	✓	✓	✓
Export and Import Setting Value	✓	✓	✓	✓
Export	✓	✓	✓	✓
Import	✓	✓	✓	✓
Firmware Update	✓	✓	✓	✓
Administrator Name /Contact Information	✓	✓	✓	✓
Date and Time	✓	✓	-	✓
Display Format	✓	✓	-	-
Date and Time	✓	✓	-	-
Time Difference	✓	✓	-	-
Time Server	✓	✓	-	✓
Restore Default Settings	-	✓	-	-

Functions		TM-H6000VI	TM-S1000II-NW	TM-T20IV-L TM-T20X-II TM-T82IV-L TM-T82X-II TM-T83IV	TM-T20IV TM-T20IV-SP TM-T82IV
	Cloud Services	-	-	-	✓*
	Basic	-	-	-	✓*
	Auto Connection	-	-	-	✓*
TM-i Settings		✓	-	-	-

*: Display only devices that support cloud services.