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CPD-38765R1
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Chapter 1

Introduction

Important Safety Instructions

Read all of these instructions before using the printer. Also be sure to follow all warnings and instructions marked on the printer.

When choosing a location for this product

- Place this product on a flat, stable surface that is larger than this product. This product will not operate properly if it is tilted or at an angle.

- Avoid places subject to rapid changes in temperature and humidity. Also keep it away from direct sunlight, strong light, or heat sources.

- Avoid places subject to shocks and vibrations.

- Keep this product away from dusty areas.

- Place this product near a wall outlet where the plug can be easily unplugged.

When setting up this product

- Do not block or cover the openings in this product’s cabinet.

- Do not insert objects through the slots. Take care not to spill liquid on this product.

- This product’s power cord is for use with this product only. Use with other equipment may result in fire or electric shock.

- Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as copiers or air control systems that regularly switch on and off.

- Avoid electrical outlets controlled by wall switches or automatic timers.

- Keep the entire computer system away from potential sources of electromagnetic interference, such as loudspeakers or the base units of cordless telephones.

- Use only the type of power source indicated on the product’s label.
Use only the power cord that comes with this product. Use of another cord may result in fire or electric shock.

Do not use a damaged or frayed power cord.

If you use an extension cord with this product, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord’s ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet’s ampere rating.

Do not attempt to service this product yourself.

Unplug this product and refer servicing to qualified service personnel under the following conditions: The power cord or plug is damaged; liquid has entered the product; the product has been dropped or the cabinet damaged; the product does not operate normally or exhibits a distinct change in performance.

If damage occurs to the plug, replace the cord set or consult a qualified electrician. If there are fuses in the plug, make sure you replace them with fuses of the correct size and rating.

**When using this product**

- Do not put your hand inside this product.
- Do not move the print head by hand; otherwise you may damage this product.
- Always turn the product off using the Power button on the control panel. When this button is pressed, the Power light flashes briefly then goes off. Do not unplug the power cord or turn off the product until the Power light stops flashing.

**When handling the ink packs**

- Keep ink packs out of the reach of children and do not drink the ink.
- Wear protective eyewear and gloves when refilling ink tanks.
- Should ink contact your skin or enter your eyes or mouth, immediately take the following actions:
  
  If fluid adheres to your skin, immediately wash it off using large volumes of soapy water. Consult a physician if the skin appears irritated or is discolored.

  If fluid enters your eyes, rinse immediately with water. Failure to observe this precaution could result in bloodshot eyes or mild inflammation.
If swallowed, induce vomiting and consult a physician immediately.

The lithium batteries in this product contain Perchlorate Material - special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

**Warnings, Cautions, Important and Notes**

<table>
<thead>
<tr>
<th><strong>Warning:</strong></th>
<th>Warnings must be followed to avoid serious bodily injury.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Caution:</strong></td>
<td>Cautions must be followed to avoid damage to this product or bodily injury.</td>
</tr>
<tr>
<td><strong>Important:</strong></td>
<td>Important must be followed to avoid damage to this product.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>Notes contain useful or additional information on the operation of this product.</td>
</tr>
</tbody>
</table>

**Illustrations**

The illustrations in this manual may differ slightly from the actual objects they are intended to represent.

**Operating System Versions**

In this documentation, the following abbreviations are used.

**Windows refers to Windows® 8, Windows 7, Windows Vista®, Windows XP.**

- Windows 8 refers to Windows 8, Windows 8 Pro, and Windows 8 Enterprise.

**Printer Parts**

### Front

1. **Printer cover**  
   Open this cover when cleaning the printer or clearing jams.

2. **Maintenance box covers**  
   Open these covers when replacing the maintenance box.  
   See “Replacing Maintenance Boxes” on page 74.

3. **Casters**  
   There are two casters on each leg. The casters are normally kept locked once the printer is in place.
4 Ink tanks
Hold ink used for printing.

5 Slider (chip holder)
See “Slider (chip holder)” on page 11.

6 Side cover
Open the side cover to remove the slider for chip unit replacement. Always close the side cover securely after inserting the slider.

7 AC inlet
Connect the supplied power cable here.

8 Option port
No options are currently available for the printer.

9 LAN port
Connects the LAN cable.

10 Data light
The network connection status and data reception are indicated by a lit or flashing light.
   On : Connected.
   Flashing : Receiving data.

11 Status light
The color indicates the network transmission speed.
   Off : 10Base-T
   Red : 100Base-T
   Green : 1000Base-T

12 USB port
Connect the USB cable here.

13 Control panel
See “Control Panel” on page 13.

14 Alert lamp
This lamp lights or flashes when an error occurs.
   Lights or flashes : An error has occurred. How the lamp lights or flashes varies with the type of error. The control panel displays a description of the error.
   Off : No error.

15 Roll rest
When loading roll paper, place it on this rest and attach the roll paper adapters.
See “Loading Roll Paper” on page 27.
16  **Adapter guides**  
Guides for attaching roll paper. Move the roll along these guides to attach it to the adapter holder.  
See “Loading Roll Paper” on page 27.

17  **Roll lock lever**  
A lever that locks roll paper in place after the roll is attached to the adapter holder.

18  **Adapter holder**  
The roll paper adapter is placed in this holder after the roll paper is attached.

19  **Paper slot**  
The slot through which roll paper and single sheets are fed during printing.  
Feed single sheets one at a time.

20  **Print head**  
Fires ink via high density nozzles while moving left and right to print.

21  **Paper output (eject) guide**  
Guides paper as it is ejected.

**Slider (chip holder)**

1  **Slider**  
Attach the chip unit included with the ink pack before refilling the ink.

2  **Ink inlet cover**  
Open this cover to refill the ink tank.

3  **Chip unit**  
The unit that includes an IC chip. This is included with the ink pack.
**Roll Paper Adapter**

Use the supplied roll paper adapter when loading roll paper onto the printer.

See “Loading Roll Paper” on page 27.

1. **Adapter lock lever**
   Lift to unlock, lower to lock. Unlock when attaching roll paper to the adapter, lock once the roll is attached.

2. **Size lever**
   Position according to the size of the roll core.
Control Panel

1  ø button (Power button)
   Turns the power on and off.

2  ø light (Power light)
   The printer’s operational status is indicated by a lit or flashing light.
   
   **On**: The power is on.
   
   **Flashing**: The printer is receiving data or cleaning the print head or performing other operations in the course of being shut down.
   
   **Off**: The power is off.

3  □ button (Load/Remove Paper button)
   Pressing this button displays the Load/Remove Paper menu. Instructions for loading or removing the paper can be displayed by highlighting either Remove Paper or the type of paper currently loaded and then pressing the OK button. Follow the on-screen instructions to load or remove the paper.

4  Screen
   Displays the printer’s status, menus, error messages, and so on.
   See “LCD Screen” on page 15.
5 Menu button
Displays the menu for the tab currently selected in the display.
See “Using the Control Panel Menu” on page 48.

6 ▼ button (Back button)
If menus are displayed, pressing this button takes you up one level in the menu hierarchy.
See “Menu Operations” on page 48.

7 ▲/▼ buttons (Left/Right buttons)
- Use these buttons to select tabs. The selected tab is highlighted and the content of the info display area updated for the selected tab.
  See “LCD Screen” on page 15.
- If menus are displayed, these buttons can be used to position the cursor or to delete characters when entering text for items such as Setting Name or IP Address.

8 ▲/▼ buttons (Up/Down buttons)
When menus are displayed, these buttons can be used to highlight items or options.
See “Menu Operations” on page 48.

9 OK button
- Displays the menu for the tab currently selected in the display.
  See “Using the Control Panel Menu” on page 48.
- When menus are displayed and an item is highlighted, pressing this button displays the sub-menu for the highlighted item.
- If pressed while a parameter is selected from the Menu, the parameter is set or executed.

10 ☰ button (Help button)
Displays the information area in the ▲ tab.

11 ☯ button (Maintenance button)
Displays the Maintenance menu, which is used for nozzle checks and head cleaning.
See “Adjusting the Print Head” on page 62.

12 ▼ button (Pause/Cancel button)
- The printer enters pause status if this is pressed while printing. To release the pause status, press the ▼ button again, or select Pause Cancel on the screen and then press the OK button. To cancel print jobs being processed, select Job Cancel on the screen and then press the OK button.
- Pressing this button while a menu or help is displayed closes the menu or help and returns the printer to ready status.
13  \( \uparrow\downarrow \) button (Feed/Cut Media button)

- This button is used to manually cut roll paper using the built-in cutter.
  See “Manual cut method” on page 32.
- If printing is not currently in progress and the printer is loaded with roll paper, you can feed paper ahead by pressing first this button and then the \( \downarrow \) button. Press the \( \uparrow \) button to rewind. Keep the \( \downarrow \) button pressed to feed the paper up to 9.8 feet (3 m). Keep the \( \uparrow \) button pressed to rewind the paper up to 7.9 inches (20 cm).

When the \( \uparrow \) button is used to rewind roll paper, the paper will pause when the end of the roll reaches the starting print position. Release the button and then press it again to resume.

**LCD Screen**

1  **Message**

Displays the printer’s status, operation, and error messages.
See “What to Do When a Message Is Displayed” on page 83.
### Tabs/Info Display Area

The tab/info display area contains the six tabs listed below. Use the \( \uparrow \downarrow \) buttons to select a tab. Information on the selected tab appears in the info display area.

1. **The Print Queues Tab**
   - This tab displays print job status and can be used to access the Print Queues menu.

2. **The Paper Tab**
   - This tab shows the type of paper in the printer and can be used to access the Paper menu.

3. **The Ink Tab**
   - The ink tab displays the status of the chip unit.

#### The Print Queues Tab

The print queues tab info display area shows the name of the current print job. Pressing the **OK** or **Menu** button when this tab is selected displays the Print Queues menu.

#### The Paper Tab

The paper tab info display area shows the Source and Media Type. When roll paper is used, it also shows the roll width. In addition, when **On** is selected for **Roll Paper Remaining**, it shows the amount of roll paper remaining. When the length remaining drops below the value selected for **Remaining Alert**, a \( \mathcal{A} \) icon appears above the tab icon and an alert like that shown below is displayed to warn that the printer is nearing the end of the roll.

![Roll Paper Remaining Icon]

Pressing the **OK** or **Menu** button when this tab is selected displays the Paper menu. See “Paper Menu” on page 52.

#### The Ink Tab

The ink tab displays the status of the chip unit.

1. **Status indicators**
   - The chip unit status is indicated as follows.

   ![Status Indicators]

   - **No error. Ready to print.**
   - **An error occurred. Check the message on the screen, and clear the error.**
   - **The chip unit could not be recognized or it is not compatible with the printer. Or, the slider is not locked.**
   - **Check the message on the screen**
The chip unit requires replacement. Replace the chip unit with one from a new ink pack.
As it gets closer to time to replace the chip unit, a icon will begin to flash.

2 Ink color codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>BK</td>
<td>Black</td>
</tr>
<tr>
<td>Y</td>
<td>Yellow</td>
</tr>
<tr>
<td>M</td>
<td>Magenta</td>
</tr>
<tr>
<td>C</td>
<td>Cyan</td>
</tr>
</tbody>
</table>

The Maintenance Tab
The maintenance tab shows the status of the maintenance boxes and is used to display the Maintenance menu.

The Info Display Area
The maintenance tab info display area shows maintenance box status and the approximate amount of space remaining in the maintenance box. The icons change as follows to show errors or to warn when the maintenance box is nearing the end of its service life.

Normal Warning or Error

1 Status indicators
Maintenance box status is indicated as follows.

- No error. The height of the indicator corresponds to the amount of space remaining.
- The maintenance box is nearing the end of its service life. Make sure you have a new maintenance box.
- The maintenance box is at the end of its service life. Replace the maintenance box with a new one.

Pressing the OK or Menu button when this tab is selected displays the Maintenance menu.
See “Maintenance Menu” on page 55.

The Setup Tab
The setup tab displays the IP address and menus for various settings.

The Info Display Area
The setup tab info display area shows the IP address currently assigned, if any.
Pressing the OK or Menu button when this tab is selected displays the Setup menu.
See “Setup Menu” on page 56.
Features

The main features of this printer are described below.

Realizing High Productivity

High-speed printing
The speed of the print head and paper feed have been increased for faster printing.

The printer is equipped with a high-speed rotary cutter for quick cutting, significantly increasing productivity.

Improved operability with an easy to see and use color screen
Designed for intuitive operation, the large, brightly-lit, color LCD display is easy to understand and easy to use.

The large display offers detailed, easy-to-understand error messages and illustrated guides to loading paper.

See “LCD Screen” on page 15.

Checking current operating status even from afar thanks to an alert lamp
Errors are immediately obvious even at a distance, thanks to the large, highly visible alert lamp. This helps prevent any wasted time when printing has stopped due to running out of ink or paper.

High-capacity ink tanks included
The printer includes high-capacity ink tanks for high productivity. We also offer 1000 ml high-capacity ink packs for ink refill. This eliminates the need for frequent troublesome ink cartridge replacements.

Ease-of-Use

Spindle-free roll paper adapter makes loading roll paper a snap
The lack of a spindle makes it possible to load and remove roll paper even in environments where space is at a premium.

To load roll paper, simply place it on the roll rest and attach roll paper adapters to both ends.

See “Loading Roll Paper” on page 27.
Easy maintenance
Roll paper and all replacements, including ink refills, maintenance boxes, and cutter, are installed from the front, allowing the printer to be placed against a wall. The printer does not have to be moved to allow rear access.

Notes on Usage and Storage

Installation Space

Make sure that you secure the following space, clear of any other objects, so that paper ejection and consumable replacement are not obstructed.

See “Specifications Table” on page 96 for the external dimensions of the printer.
Notes When Using the Printer

Note the following points when using this printer to avoid breakdowns, malfunctions, and print quality decline.

- When using the printer, observe the operating temperature and humidity range described in the “Specifications Table”. See “Specifications Table” on page 96.

  Even when the conditions above are met, you may not be able to print properly if the environmental conditions are not suitable for the paper. Be sure to use the printer in an environment where the paper’s requirements are met. For more details, see the documentation supplied with the paper.

  Also, when operating in dry areas, air conditioned environment, or under direct sunlight, maintain the appropriate humidity.

- Do not install the printer next to heat sources or directly in the path of air from a ventilator or air conditioner. Failure to observe this precaution could result in the print head nozzles drying and clogging.

- The print head may not be capped (i.e., may not move to the right side) if an error occurs and the printer is turned off without first resolving the error. Capping is a function for automatically covering the print head with a cap (lid) to prevent the print head from drying out. In this case, turn on the power and wait a while until capping is performed automatically.

- When the power is on, do not remove the power plug or cut the power at the breaker. The print head may not be capped properly. In this case, turn on the power and wait a while until capping is performed automatically.

- Even when the printer is not in use, some ink will be consumed by head cleaning and other maintenance operations needed to keep the print head in good condition.

Notes When Not Using the Printer

If you are not using it, note the following points when storing the printer. If it is not stored correctly, you may not be able to print properly the next time it is used.

- If you do not print for a long time, the print head nozzles may become clogged. Turn the printer on at least once every two weeks to prevent the print head from clogging.

  When the printer is turned on, head cleaning is performed automatically. Do not turn the printer off until cleaning is complete.

  Leaving the printer for too long without turning it on may result in a malfunction. Repair work for such malfunction will be charged.
If you will not be using the printer for more than 2 weeks, maintenance must be performed by a service engineer before and after this period. This maintenance work will be charged.

Note that even if proper maintenance has been done before leaving the printer for a long time, repair may be necessary when doing maintenance for reusing the printer, depending on the period and conditions of storage. In such a case, the repair work will also be charged.

The roller may leave an impression on paper that is left in the printer. This can also cause wavy or curled paper resulting in paper feeding problems, or the print head could be scratched. Remove any paper when storing or not using the printer.

Store the printer after confirming that the print head has been capped (the print head is positioned at the far right). If the print head is left uncapped for a long time, the print quality may decline.

Note:
If the print head is not capped, turn the printer on, and then turn it off.

To prevent the accumulation of dust and other foreign matter in the printer, close all covers before placing it in storage.

If the printer will be not be used for an extended period, protect it with an anti-static cloth or other cover.

The print head nozzles are very small, and they can become clogged easily if fine dust gets on the print head, and you may not be able to print properly.

When turned on after an extended period of disuse, the printer may automatically perform head cleaning to ensure print quality.

Head cleaning will end after about 10 to 15 minutes.

Notes on Handling Ink Packs and Ink Tanks

Note the following points when handling ink packs and ink tanks.

Do not remove the ink tanks.

Ink tanks are calibrated when installed. Removing them can harm quality and functionality.

Store ink packs at room temperature out of direct sunlight.
To ensure print quality, use all the ink in the ink pack before one of the following (whichever comes first):

- The date printed on the ink pack
- 25 days from the day that the ink tank was refilled from the ink pack

If the ink pack has been stored in a cold location for a long period of time, keep at room temperature for at least 4 hours before using.

When refilling the ink in an ink tank, be sure to use all the ink in the ink pack at once.

Refill the ink tank as soon as possible after opening the ink pack.

Do not place any objects on top of the ink tanks.

**Notes on Handling Paper**

Note the following points when handling and storing the paper. If the paper is not in good condition, print quality may decline.

Check the documentation supplied with each paper.

- Do not fold the paper or scratch the surface of the paper.
- Avoid touching the printable surface of the paper with your bare hands. Moisture and oils from your hands can affect print quality.
- Handle paper by the edges. We recommend wearing cotton gloves.
- Do not wet the paper.
- Avoid locations that are subject to direct sunlight, excessive heat, or humidity.
- Remove roll paper that is not in use from the printer. Rewind it correctly and then store it in the original packaging that came with the roll paper. If you leave the roll paper in the printer for a long time, its quality may decline.

**Notes on handling prints**

To maintain long lasting, high quality print results, note the following points.

- Do not rub or scratch the printed surface. If they are rubbed or scratched, the ink may peel off.
Do not touch the printed surface; failure to observe this precaution may cause ink to rub off.

Make sure the printouts are completely dry before folding or stacking; otherwise, the color may change where they touch (leaves a mark). These marks will disappear if they are separated immediately and dried; however, they will remain if not separated.

Avoid direct sunlight.

**Note:**
Typically, printouts fade over time (color distortion) due to the effects of light and various constituents in the air. But if care is taken in how these items are stored, you can help reduce discoloration.

The colors of printed materials appear different under different lighting conditions (light sources*). The colors of printouts from this printer may also appear different under different light sources.

* Light sources include sunlight, fluorescent light, incandescent light, and other types.

---

**Using the Supplied Software**

**Contents of the Software CD**

The following applications are available on the supplied software CD. Install as required.

For information about these applications, see the on-line help for the application in question.

**Note:**
The included software CD does not contain any printer drivers. A software RIP is required to print.

Download the latest version of the software from Epson’s website.
Starting Epson LFP Remote Panel 2

Launch Epson LFP Remote Panel 2 after confirming that the printer displays Ready.

1. The application can be launched using either of the following two methods.

   Double-click the Epson LFP Remote Panel 2 icon on the desktop. The Epson LFP Remote Panel 2 icon is created when the application is installed.

   Click Start > All Programs (or Programs) > Epson LFP Remote Panel 2 > Epson LFP Remote Panel 2.

2. Click the desired item in the Epson LFP Remote Panel 2 main window.

   See Epson LFP Remote Panel 2 help for more information.

Exiting Epson LFP Remote Panel 2

Click Exit in the Epson LFP Remote Panel 2 main window.
Uninstalling Software

To remove the EPson LFP Remote Panel 2 or Epson communications driver, follow the procedure below.

Important:
- You must log in as an Administrator.
- Enter the Administrator password when prompted and then proceed with the remainder of the operation.
- Exit any other applications that may be running.

1. Turn off the printer, and unplug the interface cable.

2. Go to the Control Panel and click Uninstall a program from the Programs category.

3. Select the software you want to remove and then click Uninstall/Change (or Change/Remove or Add/Remove).

Selecting the following deletes the Epson communications drivers.

Epson SC-F6000 Series Comm Driver Printer Uninstall

Select Epson LFP Remote Panel 2 to remove Epson LFP Remote Panel 2.
4. Select the target printer icon, and then click **OK**.

5. Follow the on-screen instructions to continue. When the delete confirmation message appears, click **Yes**.

Restart the computer if you are reinstalling the Epson communications driver.
Chapter 2

Basic Operations

Loading and Removing the Roll Paper

Loading Roll Paper

Load roll paper after attaching the supplied roll paper adapters.

**Important:**
Insert the paper just before printing. The roller may leave an impression on paper that is left in the printer.

**Note:**
The paper that can be used in the printer is detailed in the following section. (See “Supported Media” on page 94.)

1. Turn on the printer by pressing the button.
2. Confirm that the adapter holder lock lever is raised.
3. Place roll paper on the roll rest on top of the printer.

4. Size the two supplied roll paper adapters to the roll core.
   
   **3-inch core**

   ![3-inch core diagram]

   **2-inch core**

   ![2-inch core diagram]

5. Raise the adapter lock lever to release the lock on each of the two roll paper adapters.
6. Press the adapters in until they are fully inserted in the roll, with no gaps.

7. Lower the lock levers to lock the adapters in place.

8. Slide the roll paper all the way to the right.

   Following the adapter guides, slide the roll slowly back.
9. Press the \(\text{\textdegree}\) button on the control panel. Confirm that **Roll Paper** is highlighted in the display and press the **OK** button.

![Control Panel Diagram]

10. Insert the end of the roll paper in the paper slot and pull it through. Make sure that the paper is free of slack and that the end is not folded.

![Roll Paper Insertion Diagram]

**Note:**
*Do not touch the paper where it will be printed. After loading the roll paper, rotate the roll paper adapters as shown to feed the paper through.*

![Roll Paper Adapter Diagram]
11. Lower the roll lock lever.

12. Following the on-screen instructions, press the **OK** button.

The paper will be fed into the printer.

13. Check the media type.

The printer will display the Paper Type and Roll Paper Remaining settings for the paper currently selected with the printer. To print at current settings, press the ▼/▲ buttons to highlight **Keep Settings Above** and press the **OK** button. To change settings, highlight **Change Settings** and press the **OK** button. See “Viewing and Changing Media Settings” on page 36.

**Cutting Roll Paper**

Either of the following two methods can be used to cut roll paper after printing.

- **Auto Cut:**
  Cut the roll paper after printing each page automatically using the built-in cutter.
Manual cut:
Press the \( \text{R} \) button to cut the paper using the built-in cutter. A cutline is printed for manual cutting and can be used as a guide when cutting paper using the built-in cutter.

**Note:**
- It may take a while to cut the roll paper.
- Some of the roll paper may not be cut using the built-in cutter. Use a commercially available cutter to cut the paper. Follow the steps below when using a third-party cutter.

Press the \( \text{R} \) button. Keep the \( \downarrow \) button pressed to feed the paper so that the cut location is below the paper eject guide. Cut the paper using scissors or a third-party cutter.

**Setting method**

Use the \(</\triangleright/>\) buttons in the control panel to select the \( \ast \) tab and press the OK or Menu button. The Setup menu will be displayed; select Printer Setup > Roll Paper Setup > Auto Cut > On and press the OK button. For manual cutting, select Off. The default setting is On. See “Setup Menu” on page 56 for more information.

**Manual cut method**

If Auto Cut is turned off, you can cut at any position via the following procedure after printing is complete.

Buttons that are used in the following settings:
Cutting paper manually using the built-in cutter

1. Press the `button. Viewing the interior of the printer without opening the printer cover, press the ▼ button to align the cut location with the ← mark on the right side of the printer’s interior.

   ![Diagram of cutting paper]

   **Note:**
   The minimum length of paper that can be cut with the built-in cutter is fixed at 2.4 to 5 inches (60 to 127 mm) and cannot be changed. If the cutting position is shorter than the shortest length above, the paper has to be automatically fed to that length; thus a margin will have to be left. Cut off the margin with a commercially available cutter.

2. Press the OK button.

   The paper is cut by the built-in cutter.

**Removing Roll Paper**

This section describes how to remove and store roll paper after printing. The pressure rollers may leave impressions on paper that is left in the printer.
Buttons that are used in the following settings:

1. Confirm that the printer is ready and press the button. The Load/Remove Paper menu will be displayed.

2. Press the buttons to highlight Remove Paper and press the OK button.

   **Note:**
   To calculate Roll Paper Remaining, you must enter the length of the roll paper when the roll paper is installed. In order to perform accurate remaining roll paper management, we recommend opening the tab and recording the amount of roll paper remaining when you replace the roll paper.

3. The paper will automatically be rewound.

   Once the paper is rewound, the printer will display Press and load paper.

   **Note:**
   When the display shows Turn roll paper adapter to wind up roll paper, open the roll paper cover and rewind the paper by hand.
4. Raise the roll lock lever.

5. Holding the paper by the roll adapters, move the roll to the roll rest.

6. Lift the adapter lock levers to release the roll paper adapters.

7. Remove the roll paper adapters.

After rewinding the roll paper carefully, store it in the original package.
Viewing and Changing Media Settings

The following is displayed in the control panel after paper is loaded.

![Image of control panel showing media settings]

Checking Media Settings

The dialog displays the following options for the paper currently loaded in the printer.

**Selected Paper Type**

The following display indicates what is used as the basis for paper settings.

- **RIP settings**: Printing is performed based on the RIP settings.
- **XXXXXXXXXXXXXXXXXX**: Printing is performed based on paper settings #1 saved in the printer.

This printer allows you to configure and save various paper settings depending on the characteristics of the paper used. You can save up to 10 different settings in setting slots 1 through 10.

See “Saving Settings” on page 40.

**Remaining Setup**

When this option is turned **On**, the approximate amount of paper remaining is calculated based on the set paper length and the amount used in printing, and this value is displayed in the information display area of the **tab. This allows you to check the amount of paper remaining on-screen before printing, which helps you to determine when you need to replace the paper. You can also set a threshold value which, when the amount of paper remaining decreases below this level, will display a warning message.
Adjusting Settings

Follow the steps below to change the settings displayed.

Buttons that are used in the following settings:

1. Select an option.
   
   **To print at current settings**
   
   Press the ▼/▲ buttons to highlight *Keep Settings Above* and press the OK button. Then proceed to step 6.

   **To change settings**
   
   Press the ▼/▲ buttons to highlight *Change Settings* and press the OK button.

2. Highlight a setting you wish to change and press the OK button.

3. Highlight an option and press the OK button.

4. Press the 5 button to return to the dialog in step 2.

5. When settings are complete, highlight *Exit* and press the OK button.

6. If On is selected for *Remaining Setup*, you will be prompted to enter the length of the roll. Press the ▼/▲ buttons to choose a value between 15 and 3000 feet (or 5.0 and 999.5 m) and press the OK button. Paper length is set in increments of 1 foot (or 0.5 m).

   After a short pause the printer will show *Ready*, indicating that it is ready to print. Transmit the data to be printed from a computer.
Re replacing Paper

This section describes how to replace paper. The procedure is displayed on the control panel screen. Follow these instructions.

Buttons that are used in the following settings:

1. Confirm that the printer is ready and press the ▼ button.
   The Load/Remove Paper menu will be displayed.

2. Press the ▼/▲ buttons to select roll paper, and then press the OK button.

   **Note:**
   To calculate **Roll Paper Remaining**, you must enter the length of the roll paper when the roll paper is installed. In order to perform accurate remaining roll paper management, we recommend opening the ▼ tab and recording the amount of roll paper remaining when you replace the roll paper.

3. The roll rewinds automatically.

   **Note:**
   When the display shows **Turn roll paper adapter to wind up roll paper**, rewind the paper by hand.

4. Follow the on-screen instructions to load the paper for the next job.
Before Printing

Before printing, adjust the paper settings for the characteristics of the paper you are going to use. Settings are adjusted as follows.

- LFP Remote Panel 2 can be used to copy from the computer the paper settings you configured in the printer settings menu.

**Note:**
- Be sure to check the paper characteristics such as paper tension, ink fixating, or paper thickness before adjusting the custom paper setting. For the paper’s characteristics, check the paper’s documentation or with your local dealer.
- Test the print quality with this printer before purchasing a large amount of paper.

Saving Optimal Settings for the Current Paper (Print Paper Settings)

A variety of paper settings can be optimized for the current paper and stored in the printer.

Once frequently used settings have been stored in a paper setting bank, it can be recalled to instantly optimize multiple parameters.

The printer offers a total of 10 paper setting banks.

This section describes how to create paper setting banks and the settings that can be stored.

Custom Paper Setting Details

The following items can be configured in the custom paper settings:

- Select Reference Paper
- Platen Gap
- Detect Paper Thickness
- Paper Feed Adjust
Paper Suction

Roll Paper Tension

Remove Skew

Setting Name

For more information, see “Paper Menu” on page 52.

**Saving Settings**

Use the following procedure to save paper settings.

![Image of printer control panel]

**Choosing a Custom Paper Setting Bank**

1. Confirm that the printer is ready to print.
   
   Press the ▼/▲ buttons to open the ▼ tab, then press the OK button.
   
   The Paper menu will be displayed.

2. Press the ▼/▲ buttons to highlight **Custom Paper Setting** and press the OK button.
   
   The Custom Paper Setting menu will be displayed.

3. Press the ▼/▲ buttons to select the bank (1 to 10) where you want to save the custom paper settings, then press the OK button.
   
   The custom paper settings menu for the selected number will be displayed.
Note that if you select a number for which settings have already been saved, the old settings will be overwritten.

\[\text{Note:} \]
\[\text{Press the } \wedge \text{ button to close the settings menu.}\]

**Select Reference Paper**

Select the paper type that is the closest in characteristics to the paper you are using.

1. Select **Select Reference Paper** in the paper settings menu, then press the OK button.
2. Press the \(\downarrow/\uparrow\) buttons to select reference paper, and then press the OK button.
3. Press the \(\downarrow/\uparrow\) buttons to select the paper closest to the one you are using, then press the OK button.
4. Press the 5 button twice to return to the paper settings menu.

**Platen Gap**

Select the platen gap which is the distance between the print head and the paper. Normally, select Standard. Select a wider setting if printed images are smeared. If, upon performing head alignment you feel that it is still not completely aligned, select Narrow.

1. Press the \(\downarrow/\uparrow\) buttons on the paper settings menu to highlight **Platen Gap** and then press the OK button.
2. Press the \(\downarrow/\uparrow\) buttons to select the target setting value, and then press the OK button.
3. Press the 5 button to return to the paper settings menu.

**Detect Paper Thickness**

You can print out a paper thickness detection pattern to determine and set the optimal paper thickness based on the printout.

1. Press the \(\downarrow/\uparrow\) buttons on the paper settings menu to highlight **Detect Paper Thickness** and then press the OK button.
2. Press the OK button to print the paper thickness detection pattern.
3. Press the \(\downarrow/\uparrow\) buttons to select the number of the pattern with the least amount of discrepancy between the lines in the printout, and then press the OK button to return the printer to the ready-to-print state.
**Paper Feed Adjust**

If the paper feed amount is not set correctly, banding (horizontal band patterns or discoloration) may occur. If the banding is not resolved after head cleaning or Head Alignment is performed, adjust the amount of paper feed correction. This value can be set in either of the following two ways:

- **Pattern**
  
  Visually check the printed pattern and enter the correction value.

- **Value**
  
  Change the value based on the banding observed. The correction value is set as the ratio in relation to 1 meter (-0.70 to +0.70%).

**Printing an Alignment Pattern for Correction**

1. Select **Custom Paper Setting** from the paper menu.

2. Press the ▼/▲ buttons to select the bank where you want to save the custom paper settings, then press the OK button.

3. Press the ▼/▲ buttons to highlight **Paper Feed Adjust** and press the OK button.

4. Select **Pattern**, and then press the OK button.

5. Press the OK button to print an adjustment pattern.

6. Using a ruler that shows millimeters, measure the distances between the “+” symbols in the printed adjustment pattern.

   Use only the distance between the center symbols or the average of the distances between the left, center, and right symbols.

7. Press the ▼/▲ buttons to enter the measured value and press the OK button to return the printer to the ready-to-print state.
Manually Changing the Value for Adjustment

1. Select **Custom Paper Setting** from the paper menu.

2. Press the ▼/▲ buttons to select the bank where you want to save the custom paper settings, then press the OK button.

3. Press the ▼/▲ buttons to highlight **Paper Feed Adjust** and press the OK button.

4. Select **Value**, and then press the OK button.

5. Press the ▼/▲ buttons to select the target value, and then press the OK button.

6. Press the ▼ button twice to return to the paper settings menu.

**Paper Suction**

Choosing too high a value for thin paper will increase the distance between the paper and the print head, causing print quality to decline or preventing the paper feeding correctly. If this happens, lower the paper suction.

1. Press the ▼/▲ buttons on the paper settings menu to highlight **Paper Suction** and then press the OK button.

2. Press the ▼/▲ buttons to select the target value, and then press the OK button.

3. Press the ▼ button to return to the paper settings menu.

**Roll Paper Tension**

Select High or Extra High if the paper wrinkles during printing.

1. Press the ▼/▲ buttons on the paper settings menu to highlight **Roll Paper Tension** and then press the OK button.

2. Press the ▼/▲ buttons to select the target setting value, and then press the OK button.

3. Press the ▼ button to return to the paper settings menu.

**Remove Skew**

This sets the operation performed to prevent the paper from skewing when it is fed.

1. Press the ▼/▲ buttons on the paper settings menu to highlight **Remove Skew**, and then press the OK button.
2. Press the ▼/▲ buttons to select either **On** to reduce paper skew during feeding, or **Off** to disable this feature, then press the OK button.

3. Press the 5 button to return to the paper settings menu.

**Setting Name**

You can assign a name to saved custom paper settings. Choose an easy-to-remember name for quick selection.

1. Press the ▼/▲ buttons on the paper settings menu to highlight **Setting Name**, and then press the OK button.

2. Enter the setting name.

   You can cycle between different character types by pressing the **Menu** button. The order is as follows: Uppercase -> Lowercase -> Numbers/Symbols.

   Press the ▼/▲ buttons to cycle through the characters for the selected character type.

   Once the character you want is displayed, press the ► button to confirm.

   The cursor will then move on to the next input area. Repeat this process until you are finished.

   If you make a mistake, press the ◄ button to delete the previous character.

3. Once you are finished entering the name, press the OK button.

4. Press the 5 button to return to the paper settings menu.
### Printable Area

This section describes the printable areas for the printer.

If the margin set in an application is larger than the following setting values, sections beyond the specified margins are not printed. For example, if 15 mm is selected for the left and right margins in the printer menus and the document fills the page, the 0.6 in. (15 mm) at the left and right sides of the page will not be printed.

The gray area in the illustration below shows the printable area.

The arrow in the illustration indicates the direction of the ejected paper.

Margins for roll paper depend on the option selected for **Roll Paper Margin** in the menus, as shown in the following table. For **Roll Paper Margin** Settings, see “Setup Menu” on page 56.

The default setting is **Normal**.

<table>
<thead>
<tr>
<th>Roll Paper Margin Parameter</th>
<th>Margin Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>1, 3 = 15 mm</td>
</tr>
<tr>
<td></td>
<td>2, 4 = 3 mm</td>
</tr>
<tr>
<td>Top 15 mm/Bottom 15 mm</td>
<td>1, 3 = 15 mm</td>
</tr>
<tr>
<td></td>
<td>2, 4 = 3 mm</td>
</tr>
<tr>
<td>Top 35 mm/Bottom 15 mm</td>
<td>1 = 35 mm</td>
</tr>
<tr>
<td></td>
<td>3 = 15 mm</td>
</tr>
<tr>
<td></td>
<td>2, 4 = 3 mm</td>
</tr>
</tbody>
</table>
Turning Off the Power Using Power Off Timer

The printer offers the following two power management options:

- **Sleep mode**
  
The printer enters sleep mode when there are no errors, no print jobs being received, and no control panel or other operations performed. When the printer enters sleep mode, the control panel's screen turns off and the internal motors and other parts switch off to consume less power.

  Press the button to exit sleep mode and return to the normal running state. The delay before the printer enters sleep mode can be selected from values between 5 and 240 minutes. At default settings, the printer enters sleep mode if no operations are performed for 15 minutes. The delay can be changed from the Setup menu (see “Setup Menu” on page 56).

- **Power Off Timer**
  
The printer is equipped with a Power Off Timer option that automatically turns the printer off if no errors occur, no print jobs are received, and no control panel or other operations are performed for a set period of time. The delay before the printer turns off automatically can be selected from values between 1 and 24 hours in increments of 1 hour.

### Important:
- Printing is distorted when the trailing edge of the roll paper comes off the core. Make sure the trailing edge does not come inside the printing area.
- The print size does not change even when the margins are changed.

<table>
<thead>
<tr>
<th>Roll Paper Margin Parameter</th>
<th>Margin Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top 15 mm/Bottom 150 mm</td>
<td>1 = 15 mm</td>
</tr>
<tr>
<td></td>
<td>3 = 150 mm</td>
</tr>
<tr>
<td></td>
<td>2, 4 = 3 mm</td>
</tr>
<tr>
<td>Top 5mm/Bottom 5mm</td>
<td>1, 3 = 5 mm</td>
</tr>
<tr>
<td></td>
<td>2, 4 = 3 mm</td>
</tr>
<tr>
<td>15 mm</td>
<td>1, 2, 3, 4, = 15 mm</td>
</tr>
</tbody>
</table>
At default settings, the printer turns off automatically if no errors occur, no print jobs are received, and no control panel or other operations are performed for eight hours. Power Off Timer settings can be adjusted from the Setup menu (see “Setup Menu” on page 56).

**About Power Management**

You can adjust the time before Power Management is applied. Any increase will affect the printer’s energy efficiency. Please consider the environment before making any change.

---

**Canceling Printing**

Press the \( \text{\textendash}\) button, select **Job Cancel** on the screen, and then press the **OK** button.

The print job is canceled even in the middle of printing. It may take a while before the printer returns to ready status after canceling a job.
Chapter 3
Using the Control Panel Menu

Menu Operations

The steps for displaying the various menus are shown below. The example below shows the steps for accessing the Paper menu.

* After pressing the **OK** button to select the highlighted option, press the 3 button to return to the previous menu. Press the 1-1 button to exit.
Menu List

The items and options available in the menu are described below. See the reference pages for more details on each item.

Print Queues menu

See “Print Queues Menu” on page 52.

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Job Log Sheet</td>
<td>Press OK to start printing.</td>
</tr>
</tbody>
</table>

Paper menu

See “Paper Menu” on page 52.

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load/Remove Paper</td>
<td>Remove Paper Displays instructions for removing the paper.</td>
</tr>
<tr>
<td>Load/Remove Paper</td>
<td>Roll Paper Displays instructions for loading the paper.</td>
</tr>
<tr>
<td>Select Paper Type</td>
<td>RIP Settings — —</td>
</tr>
<tr>
<td>Select Paper Type</td>
<td>1 to 10 (Paper Settings Number)</td>
</tr>
<tr>
<td>Select Paper Type</td>
<td>Lists the names of user-defined custom paper types.</td>
</tr>
</tbody>
</table>
### Custom Paper Setting
- XXXXXXXXXX XXXXXXXXXX (name of custom paper type)

#### Select Reference Paper
- Photo Paper
- Matte Paper
- Plain Paper
- Others
- No Paper Selected

#### Platen Gap
- Narrow, Standard, Wide, Wider

#### Detect Paper Thickness
- Press OK to start printing.

#### Paper Feed Adjust
- Pattern
- Value: –0.70 to +0.70%

#### Paper Suction
- –4 to 0

#### Roll Paper Tension
- Normal, High, Extra High

#### Remove Skew
- On, Off

#### Setting Name
- 22 characters or less (letters, numbers, and symbols)

#### Restore Settings
- Yes, No

#### Print Paper List
- Press OK to start printing.

---

### Maintenance menu

See “Maintenance Menu” on page 55.

### Menu item | Description
--- | ---
**Nozzle Check** | Press OK to start printing.

**Head Cleaning** | All nozzles: Execute (Light), Execute (Medium), Execute (Heavy)
- Selected nozzles: Execute (Light), Execute (Medium), Execute (Heavy)

**Head Alignment** | Manual (Uni-D): Press OK to start printing.
- Manual (Bi-D)

**Cutter Maintenance** | Adjust Cut Position: –3 to 3 mm
- Replace Cutter: Press OK to start move.
**Setup menu**

See “Setup Menu” on page 56.

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printer Setup</td>
<td>Auto Cut: On, Off</td>
</tr>
<tr>
<td></td>
<td>Refresh Margin: On, Off</td>
</tr>
<tr>
<td></td>
<td>Page Line: On, Off</td>
</tr>
<tr>
<td></td>
<td>Roll Paper Margin: Normal, Top 15 mm/Bottom 15 mm, Top 35 mm/Bottom 15 mm, Top 150 mm, 3 mm, Top 5 mm/Bottom 5 mm, 15 mm</td>
</tr>
<tr>
<td></td>
<td>Roll Paper Remaining: On, Off</td>
</tr>
<tr>
<td></td>
<td>Remaining Alert: 1 to 15 m (4 to 50 ft)</td>
</tr>
<tr>
<td>Advanced Settings</td>
<td>Roll Paper Tension: Low, Normal, High, Extra High</td>
</tr>
<tr>
<td></td>
<td>Less Head Scuffing: On, Off</td>
</tr>
<tr>
<td></td>
<td>Drying Time Per Page: 0 to 60 minutes</td>
</tr>
<tr>
<td></td>
<td>Paper Size Check: On, Off</td>
</tr>
<tr>
<td></td>
<td>Paper Skew Check: On, Off</td>
</tr>
<tr>
<td></td>
<td>Cleaning cycle: Off, every 1 to 10 pages</td>
</tr>
<tr>
<td></td>
<td>Restore Settings: Yes, No</td>
</tr>
<tr>
<td>Printer Status</td>
<td>Firmware Version: xxxxxxx.x.xx,xxxx</td>
</tr>
<tr>
<td></td>
<td>Option Status: Options are not available for this printer.</td>
</tr>
<tr>
<td></td>
<td>Show Total Prints: XXXXXXXX m² (XXXXXX ft²)</td>
</tr>
<tr>
<td></td>
<td>Print Status Sheet: Press OK to start printing.</td>
</tr>
<tr>
<td>Network Setup</td>
<td>IP Address Setting: Auto - Panel - IP Address, Subnet Mask, Default Gateway</td>
</tr>
<tr>
<td></td>
<td>Print Status Sheet: Press OK to start printing.</td>
</tr>
<tr>
<td></td>
<td>Restore Settings: Yes, No</td>
</tr>
<tr>
<td>Power Settings</td>
<td>Sleep Mode: 5 to 240 minutes</td>
</tr>
<tr>
<td></td>
<td>Power Off Timer: Off, 1 to 24 hours</td>
</tr>
<tr>
<td></td>
<td>Restore Settings: Yes, No</td>
</tr>
</tbody>
</table>
**Menu Descriptions**

**Print Queues Menu**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Job Log Sheet</td>
<td>Press the <strong>OK</strong> button to print the print job log.</td>
</tr>
</tbody>
</table>

**Paper Menu**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load/Remove Paper</td>
<td>Press the <strong>OK</strong> button to view instructions for removing the paper. Follow the on-screen instructions to remove the paper. Instructions are not displayed if no paper is loaded.</td>
</tr>
<tr>
<td></td>
<td>After you make your selection, press the <strong>OK</strong> button. Follow the on-screen instructions to load the paper. If paper is already loaded in the printer, the instructions for removing the loaded paper type will be displayed before loading instructions are shown.</td>
</tr>
<tr>
<td>Select Paper Type</td>
<td>Select the paper settings to use for printing. If <strong>RIP Settings</strong> is selected, the paper settings set in the software RIP are used. Set to a number between 1 and 10 to use the paper settings set in that slot for printing. To save a group of settings in this way, use <strong>Custom paper Setting</strong>.</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Custom Paper Setting</td>
<td>XXXXXXXX XXX (name of custom paper type)</td>
</tr>
<tr>
<td>Select Reference Paper</td>
<td>Photo Paper</td>
</tr>
<tr>
<td></td>
<td>Matte Paper</td>
</tr>
<tr>
<td></td>
<td>Plain Paper</td>
</tr>
<tr>
<td></td>
<td>Others</td>
</tr>
<tr>
<td></td>
<td>No Paper Selected (default)</td>
</tr>
<tr>
<td></td>
<td>You can select the media type that is the closest to the paper you are using.</td>
</tr>
<tr>
<td>Platen Gap</td>
<td>Narrow</td>
</tr>
<tr>
<td></td>
<td>Standard (Default)</td>
</tr>
<tr>
<td></td>
<td>Wide</td>
</tr>
<tr>
<td></td>
<td>Wider</td>
</tr>
<tr>
<td></td>
<td>Select the platen gap which is the distance between the print head and the paper. Normally, select <strong>Standard</strong>. Select a wider setting if printed images are smeared. If, upon performing head alignment you feel that it is still not completely aligned, select <strong>Narrow</strong>.</td>
</tr>
<tr>
<td>Detect Paper Thickness</td>
<td>Press the OK button to print a pattern to determine the thickness of the current paper.</td>
</tr>
<tr>
<td></td>
<td>Select the pattern number with the least misalignment from the print results.</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Custom Paper Setting</td>
<td>Use this setting if you are unable to resolve banding issues (horizontal</td>
</tr>
<tr>
<td>(Cont’d)</td>
<td>striped lines or uneven colors) in the standard print area even after head</td>
</tr>
<tr>
<td></td>
<td>cleaning or head alignment.</td>
</tr>
<tr>
<td>Paper Feed Adjust</td>
<td>Pattern Selected:</td>
</tr>
<tr>
<td></td>
<td>Press the OK button to print an adjustment pattern. Measure the distances</td>
</tr>
<tr>
<td></td>
<td>between the “+” symbols in the printed adjustment pattern.</td>
</tr>
<tr>
<td></td>
<td>Use only the distance between the center symbols or the average of the</td>
</tr>
<tr>
<td></td>
<td>distances between the left, center, and right symbols.</td>
</tr>
<tr>
<td></td>
<td>After the adjustment pattern is printing, the length of the pattern will</td>
</tr>
<tr>
<td></td>
<td>be displayed in the control panel. Press the ▲/▼ buttons to enter the</td>
</tr>
<tr>
<td></td>
<td>measured value and press the OK button.</td>
</tr>
<tr>
<td></td>
<td>Value Selected:</td>
</tr>
<tr>
<td></td>
<td>Choose an adjustment between –0.70 and +0.70%.</td>
</tr>
<tr>
<td></td>
<td>Selecting too small a value causes dark bands; adjust the amount upward.</td>
</tr>
<tr>
<td></td>
<td>Selecting too large a value causes white bands; adjust the amount downward.</td>
</tr>
<tr>
<td>Paper Suction</td>
<td>–4 to 0</td>
</tr>
<tr>
<td></td>
<td>It is important to choose the appropriate amount of suction for the paper</td>
</tr>
<tr>
<td></td>
<td>used in order to maintain the correct distance between the paper and the</td>
</tr>
<tr>
<td></td>
<td>print head. Choosing too high a value for thin or soft paper will increase</td>
</tr>
<tr>
<td></td>
<td>the distance between the paper and the print head, causing print quality</td>
</tr>
<tr>
<td></td>
<td>to decline or preventing the paper feeding correctly. If this happens,</td>
</tr>
<tr>
<td></td>
<td>lower the paper suction. The suction power is weakened when the parameter</td>
</tr>
<tr>
<td></td>
<td>is lowered.</td>
</tr>
</tbody>
</table>
### Maintenance Menu

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nozzle Check</td>
<td>Press the OK button to print a nozzle check pattern. Visually inspect the printed pattern and perform head cleaning if you notice faint or missing areas. See “Checking for Clogged Nozzles” on page 63.</td>
</tr>
<tr>
<td>Head Cleaning</td>
<td><strong>All Nozzles</strong> Execute (Light), Execute (Medium), Execute (Heavy) Check the number of any patterns with faint or missing segments and specify whether you want to perform cleaning for all nozzles or only for the rows containing those numbers. <strong>All Nozzles</strong> performs head cleaning for all nozzles. <strong>Selected Nozzles</strong> allows you to specify a row or rows of nozzles to perform head cleaning for. You can choose between the following levels for head cleaning: Execute (Light), Execute (Medium), or Execute (Heavy). At first, use Execute (Light). If you still notice any faint or missing areas, then use Execute (Medium). If you still notice any faint or missing areas, then use Execute (Heavy). See “Cleaning the Print Head” on page 64.</td>
</tr>
</tbody>
</table>
Head Alignment Manual (Uni-D) If print results are grainy or out of focus, perform head alignment to realign the print head. See “Minimizing Print Misalignments (Head Alignment)” on page 65.

Manual (Bi-D)

Cutter Maintenance Adjust Cut Position -3 to 3 mm The cut position can be adjusted in increments of 0.2 mm.

Replace Cutter Moves the cutter to the replacement position so it can be replaced. Press the OK button to move the cutter to the replacement position. The paper must be removed before the cutter can be replaced. Remove the paper before proceeding. See “Replacing the Cutter” on page 76.

**Setup Menu**

Selecting Administrator Menu displays a password prompt. No password is entered at shipment; press the OK button to proceed. If the administrator password has been changed, enter the administrator password.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printer Setup</td>
<td></td>
</tr>
<tr>
<td>Roll Paper Setup</td>
<td></td>
</tr>
<tr>
<td>Auto Cut</td>
<td>On (Default)</td>
</tr>
<tr>
<td></td>
<td>Off</td>
</tr>
<tr>
<td>Refresh Margin</td>
<td>On (Default)</td>
</tr>
<tr>
<td></td>
<td>Off</td>
</tr>
<tr>
<td></td>
<td>Choose On to automatically cut roll paper using the built-in cutter as each page is printed, Off to disable auto paper cutting.</td>
</tr>
<tr>
<td></td>
<td>If On is selected during borderless printing, the printer will automatically trim the leading edge to remove any ink stains that may have been left by the previous copy; to disable this feature, choose Off. However, borderless printing is not guaranteed on this printer.</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Printer Setup (Cont’d)</td>
<td></td>
</tr>
<tr>
<td>Roll Paper Setup (Cont’d)</td>
<td></td>
</tr>
<tr>
<td>Page Line</td>
<td>If Auto Cut is Off, you can choose to print (On) or not print (Off) cut lines on roll paper. Cut lines are not printed if Auto Cut is On.</td>
</tr>
<tr>
<td></td>
<td><strong>On</strong> (Default)</td>
</tr>
<tr>
<td></td>
<td><strong>Off</strong></td>
</tr>
<tr>
<td>Roll Paper Margin</td>
<td>When set to Normal, the top and bottom margins are 15 mm, and the left and right margins are 3 mm.</td>
</tr>
<tr>
<td></td>
<td><strong>Normal</strong> (Default)</td>
</tr>
<tr>
<td></td>
<td><strong>Top 15 mm/Bottom 15 mm</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Top 35 mm/ Bottom 15 mm</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Top 15 mm/Bottom 150 mm</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Top 5 mm/Bottom 5 mm</strong></td>
</tr>
<tr>
<td></td>
<td><strong>15 mm</strong></td>
</tr>
<tr>
<td>Roll Paper Remaining</td>
<td>Select whether to display/record (On) or not to display/record (Off) the amount of remaining roll paper. Roll Paper Remaining can be enabled by selecting On and entering the length of the roll.</td>
</tr>
<tr>
<td></td>
<td><strong>On</strong> (Default)</td>
</tr>
<tr>
<td></td>
<td><strong>Off</strong></td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Printer Setup</td>
<td>Remaining Alert</td>
</tr>
<tr>
<td>Advanced Settings</td>
<td>Roll Paper Tension</td>
</tr>
<tr>
<td></td>
<td>Low</td>
</tr>
<tr>
<td></td>
<td>Normal (Default)</td>
</tr>
<tr>
<td></td>
<td>High</td>
</tr>
<tr>
<td></td>
<td>Extra High</td>
</tr>
<tr>
<td>Less Head Scuffing</td>
<td>On</td>
</tr>
<tr>
<td></td>
<td>Off (Default)</td>
</tr>
<tr>
<td>Drying Time Per Page</td>
<td>Off, 0.1 to 60 minutes</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>Printer Setup</strong>&lt;br&gt;(Cont’d)</td>
<td></td>
</tr>
<tr>
<td>Advanced Settings&lt;br&gt;(Cont’d)</td>
<td></td>
</tr>
<tr>
<td><strong>Paper Size Check</strong></td>
<td></td>
</tr>
<tr>
<td>On (Default)</td>
<td>Choose whether the printer automatically detects (On) or does not detect (Off) the paper width. Try choosing Off if a paper setting error is displayed when the paper is correctly loaded. Note, however, that the printer may print outside the paper when Off is selected. If it prints beyond the edges of the paper, the inside of the printer becomes dirty with ink. We generally recommend to operate with this setting set to On.</td>
</tr>
<tr>
<td>Off</td>
<td>If On is selected, an error will be displayed in the control panel and printing will stop if the paper is skewed; select Off to disable this feature. On is recommended in most circumstances as skewed paper may cause the printer to jam.</td>
</tr>
<tr>
<td><strong>Paper Skew Check</strong></td>
<td></td>
</tr>
<tr>
<td>On (Default)</td>
<td></td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>Cleaning cycle</strong></td>
<td></td>
</tr>
<tr>
<td>Off (Default)</td>
<td>Select when to perform scheduled head cleaning; you can select from Off or after every 1 to 10 pages. If Off is selected, no Cleaning Cycle is used. If you choose a number between 1 and 10 pages, head cleaning will be performed automatically before printing occurs after the set number of pages is printed.</td>
</tr>
<tr>
<td>Every 1 to 10 pages</td>
<td></td>
</tr>
<tr>
<td><strong>Restore Settings</strong></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>Select Yes to restore all printer settings to default values.</td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
<tr>
<td><strong>Printer Status</strong></td>
<td></td>
</tr>
<tr>
<td>Firmware Version</td>
<td>xxxxxxx.x.xx,xxxx You can see the firmware version.</td>
</tr>
<tr>
<td>Option Status</td>
<td>No options are currently available for the printer.</td>
</tr>
<tr>
<td>Show Total Prints</td>
<td>XXXXXXX m² (XXXXXX ft²) View the total area printed (six-figure maximum).</td>
</tr>
<tr>
<td>Print Status Sheet</td>
<td>Press the OK button to print a list of current printer settings. Choose this option to view settings at a glance.</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Network Setup</td>
<td><strong>IP Address Setting</strong>&lt;br&gt;Auto (Default)</td>
</tr>
<tr>
<td></td>
<td>Panel</td>
</tr>
<tr>
<td></td>
<td>Select whether to use DHCP to set the IP address (Auto), or to set the</td>
</tr>
<tr>
<td></td>
<td>address manually (Panel). Choose Panel to enter the IP address, Subnet</td>
</tr>
<tr>
<td></td>
<td>Mask, and Default Gateway. Contact your system administrator for detailed</td>
</tr>
<tr>
<td></td>
<td>information.</td>
</tr>
<tr>
<td>Print Status Sheet</td>
<td>Press the OK button to print a list of network settings. Choose this option</td>
</tr>
<tr>
<td></td>
<td>to view network settings at a glance.</td>
</tr>
<tr>
<td>Restore Settings</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Select Yes to restore all network settings to default values.</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Power Settings</td>
<td><strong>Sleep Mode</strong>&lt;br&gt;5 to 240 minutes</td>
</tr>
<tr>
<td></td>
<td>The printer enters sleep mode automatically when there are no errors, no</td>
</tr>
<tr>
<td></td>
<td>print jobs being received, and no control panel or other operations are</td>
</tr>
<tr>
<td></td>
<td>performed for the selected period. Use this option to choose the period</td>
</tr>
<tr>
<td></td>
<td>before the printer enters sleep mode. See “Turning Off the Power Using</td>
</tr>
<tr>
<td></td>
<td>Power Off Timer” on page 46.</td>
</tr>
<tr>
<td>Power Off Timer</td>
<td>Off</td>
</tr>
<tr>
<td></td>
<td>The printer turns off automatically when there are no errors, no print</td>
</tr>
<tr>
<td></td>
<td>jobs being received, and no control panel or other operations are</td>
</tr>
<tr>
<td></td>
<td>performed for eight hours. The delay before the printer turns off can be</td>
</tr>
<tr>
<td></td>
<td>selected from values between 1 and 24 hours in increments of 1 hour.</td>
</tr>
<tr>
<td></td>
<td>Choose Off to prevent the printer turning off automatically.</td>
</tr>
<tr>
<td></td>
<td>Off, 1 to 24 hours</td>
</tr>
<tr>
<td>Restore Settings</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Select Yes to restore all <strong>Power Settings</strong> to default values.</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Preference Language</td>
<td>Select the language used on the control panel’s screen.</td>
</tr>
<tr>
<td>Alert Lamp Setting</td>
<td>Choose whether the large alert lamp lights (On) or does not light (Off) when an error occurs.</td>
</tr>
<tr>
<td>Administrator Menu</td>
<td>Date And Time MM/DD/YY HH:MM Set the printer’s built-in clock. The printer clock provides the times that appear in printouts of job information and printer status.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Chapter 4

Maintenance

Adjusting the Print Head

You need to adjust the print head if white lines appear in your printouts or if you notice the print quality has declined. You can perform the following printer maintenance functions for maintaining the print head in good condition to ensure the best print quality.

Carry out appropriate maintenance depending on the print results and situation.

Checking for clogged nozzles

Perform a nozzle check to check for clogs if the printer has not been used for an extended period or before important print jobs. Visually inspect the printed check pattern and clean the print head if you notice faint or missing areas.

Cleaning the print head

Clean the print head if you notice faint or missing areas in printed documents. Cleans the surface of the print head to improve the print quality. Choose normal or power cleaning according to the level of cleaning required.

See “Cleaning the Print Head” on page 64.

Normal cleaning is recommended in most circumstances. Use power cleaning if the nozzles remain clogged after normal cleaning has been performed several times.

Adjusting the print head position (Print head alignment)

Perform Head Alignment if lines are misaligned or print results are grainy. The Head Alignment function corrects print misalignments.

See “Minimizing Print Misalignments (Head Alignment)” on page 65.
Checking for Clogged Nozzles

Buttons that are used in the following settings:

1. Load roll paper in the printer.
   Choose a paper type that matches the paper in the printer.
2. Confirm that the printer is ready to print. Press the Button.
   The Maintenance menu will be displayed.
3. Confirm that Nozzle Check is highlighted and press the OK button.
   A confirmation dialog will be displayed.
4. Press the OK button to print a check pattern.
   Review the printed check pattern while referring to the following section.

Example of clean nozzles

There are no gaps in the nozzle check pattern.

Example of clogged nozzles

If there are areas missing from the pattern, select Head Cleaning and clean the print head. See “Cleaning the Print Head” on page 64.
Cleaning the Print Head

You can clean all nozzles or select for cleaning only those nozzles for which the printed nozzle check pattern indicates a problem.

Notes on head cleaning

Note the following points when performing head cleaning.

- Clean the print head only if print quality declines; for example, if the printout is blurry or the color is incorrect or missing. Ink is consumed when head cleaning is performed.

- Cleaning all nozzles consumes some of each color of ink. Even if you are using only black inks for black and white printing, color inks are also consumed.

- When repeating head cleaning in a short time period, the maintenance box may fill up quickly due to a small amount of ink evaporation in the maintenance box. Prepare a spare maintenance box if there is not enough empty space in the box.

- If the nozzles are still clogged after performing head cleaning, turn off the printer and leave it overnight or longer. When left for some time, the clogged ink may dissolve.

If the nozzles are still clogged, contact your dealer or Epson Support.

Cleaning the print head

Buttons that are used in the following settings:

![Button Diagram]

1. Confirm that the printer is ready to print. Press the Å button.

   The Maintenance menu will be displayed.

2. Press the ▼/▲ buttons to highlight Head Cleaning and press the OK button.

   You will be prompted to choose nozzle rows.

3. Select the method for specifying the nozzle rows for cleaning.
All Nozzles

Inspect the printed pattern and select this method if all patterns contain faint or missing areas. If you selected All Nozzles, skip ahead to Step 5.

Selected Nozzles

Inspect the printed pattern and select this method if only certain pattern numbers (nozzle rows) contain faint or missing areas. You can select multiple nozzle rows.

4. Select nozzle rows for cleaning.

- Press the ▼/▲ buttons to highlight numbers corresponding to check patterns with faint or missing segments and press the OK button to select.

- Once you have selected all the nozzle rows for head cleaning, highlight Proceed and press the OK button.

5. Select the cleaning level, then press the OK button.

Head cleaning will be performed. Once head cleaning is finished, the settings menu will close. Review the printed check pattern to confirm that all heads have been cleaned. See “Checking for Clogged Nozzles” on page 63.

Minimizing Print Misalignments (Head Alignment)

Because there is a small distance between the print head and paper, misalignment may occur due to humidity or temperature, the inertial force of the print head’s movements, or by moving the print head bidirectionally. This may result in grainy prints or lines that are incorrectly placed. When this happens, perform Head Alignment to correct the print misalignment.

For head alignment, you need to check the pattern and enter the optimum adjustment value for alignment.

Printing the pattern for manual head alignment takes from 7 to 11 minutes. The time required varies with the size of the pattern printed.

You can select between Uni-D and Bi-D head alignment. Bi-D is recommended in most circumstances. Choose Uni-D if Bi-D head alignment does not completely fix the problem.
Buttons that are used in the following settings:

1. Load roll paper in the printer.
   Choose a paper type that matches the paper in the printer.

2. Confirm that the printer is ready to print. Press the ⬅️住房和➡️ buttons to highlight ✂️ and press the OK button.
   The Maintenance menu will be displayed.

3. Press the ⬇️住房和⬆️ buttons to select Head Alignment, and then press the OK button.

4. Press the ⬇️住房和⬆️ buttons to highlight a head alignment option.

5. Press the OK button to print an adjustment pattern.

6. Note the number of the patterns with the fewest white lines or in which the white lines are most evenly spaced.
   This would be pattern 3 of the example shown in the illustration.

7. After confirming that C1 is displayed in the control panel's screen, press the ⬇️住房和⬆️ buttons to select the number noted in step 6 and press the OK button.

8. Repeat for all colors from C1 to BK2, pressing the OK button each time.
9. The printer will return to its ready-to-print state once the last color has been set.

Replacing and Refilling Consumables

Time Period for Chip Unit Replacements and Ink Refills

If the message **Chip unit expended** is displayed on the control panel, this means that the chip unit needs to be replaced soon. Obtain an ink pack of the appropriate color as soon as possible.

You will be unable to print if the chip unit for even one color needs to be replaced. If the **Chip unit expended** message is displayed during a print job, you can replace the chip unit and refill the ink while printing continues.

See “Options and Consumable Products” on page 93.

**Important:**

This printer has a remaining ink warning system. Use the following procedure to replace the chip unit and refill the ink correctly.

After the service engineer attaches the ink tanks, replace the chip unit and refill the ink when remaining ink is about 2.8 inches (70 mm) from the bottom of the ink tank.

This system does not directly detect the amount of ink remaining in the ink tank. Instead, the amount of ink remaining is estimated based on the ink usage conditions and displayed as a message. To maintain the accuracy of this system, you must replace the chip unit and refill the ink as soon as possible once the remaining ink is 2.8 inches (70 mm) or less from the bottom of the ink tank.
**Procedure for Chip Unit Replacement and Ink Refills**

You can use the same procedure to replace chip units for all colors.

**Caution:**
- Store ink packs in a location out of reach of children.
- Wear protective eyewear and gloves when refilling ink.
- Be sure to read the Material Safety Data Sheet (MSDS) before using ink packs. You can download it at your local Epson Web site.
- Should ink contact your skin or enter your eyes or mouth, immediately take the following actions:
  - If fluid adheres to your skin, immediately wash it off using large volumes of soapy water. Consult a physician if the skin appears irritated or is discolored.
  - If fluid enters your eyes, rinse immediately with water. Failure to observe this precaution could result in bloodshot eyes or mild inflammation. If problems persist, consult with a physician.
  - If swallowed, induce vomiting immediately and consult with a physician as soon as possible.
- Note the following points when refilling ink.
  - Gently cut or tear off the ink pack spout opening.
  - If you cut the ink pack spout too quickly, ink may splatter.
  - Do not squeeze open ink packs. Ink may spill.
  - Gently tilt the ink pack when pouring ink into the ink tank.

**Important:**
- Epson recommends the use of genuine Epson ink packs.
- Epson cannot guarantee the quality or reliability of non-genuine ink. The use of non-genuine ink may cause damage that is not covered by Epson’s warranties, and under certain circumstances, may cause erratic printer behavior.
- Information about non-genuine chip unit status may not be displayed, and use of non-genuine ink is recorded for possible use in service support.
- Genuine Epson ink packs, other than those specified in this manual, could cause damage that is not covered by Epson’s warranties.

See “Options and Consumable Products” on page 93.
1. If the message **Chip unit expended**. is displayed on the control panel screen, check the remaining ink in the ink tank via the scale on the ink pack.

If the remaining ink level is greater than 2.8 inches (70 mm) from the base of the ink tank:

We recommend continuing to use the printer until the remaining ink level is 2.8 inches (70 mm) from the base of the ink tank so that you can use all the ink in a new ink pack to refill the ink tank.

**If the remaining ink level is 2.8 inches (70 mm) or less:**

Proceed to Step 2.

---

**Important:**

*When the remaining ink is 2.8 inches (70 mm) or more from the bottom of the ink tank and you see a message stating **Refill Ink Tank**, it is time to replace the ink tank. We recommend replacing the ink tank at this time. Replacements and repairs will be provided for a fee.*

*During replacements and repairs, the ink in the tank is discarded. This is necessary because fine dirt, dust, and other substances in the ink tank cause the ink tank to malfunction.*

*The ink tank replacement interval depends on the usage environment and conditions.*

*For assistance, contact Epson Support. See “Where To Get Help” on page 97.*
2. Open the side cover.

3. Insert a finger into the groove on the top of the slider and pull straight outward.

**Important:**
*Do not tilt the slider. If the chip unit is dropped it may break.*

4. Remove the chip unit from the slider.
5. Attach the chip unit supplied with the new ink pack to the slider.

Check to confirm that the color of the label on the slider matches the color of the label on the chip unit when installing.

6. Hold the slider level and insert it. Close the side cover.

**Important:**
Do not push the slider in with too much force. Failure to observe this precaution could damage the printer.
7. Shake the new ink pack horizontally for approximately 2 inches (5 cm) left and right for 5 seconds (approximately 15 times).

8. Open the slider ink inlet cover.

9. Remove the ink inlet cap from the ink tank.
10. Cut or tear off the ink pack spout opening.

11. Fill the ink tank with the ink from the ink pack.

   Insert the spout of the ink pack into the ink tank ink inlet groove and slowly tilt to pour out the ink.
12. Put the ink inlet cap back on the ink tank.

**Important:**
Get all the ink out of the ink pack so that there is none remaining. Do not use the ink in an ink pack to refill multiple ink tanks. This can prevent the proper display of messages from the remaining ink warning system.

13. Close the slider ink inlet cover.

---

**Replacing Maintenance Boxes**

If the message **Not Enough Space** is displayed, replace the specified maintenance box.

For information on supported maintenance boxes, see “Options and Consumable Products” on page 93.
How to replace

The maintenance boxes are located on both the left and right sides of the printer, but the procedure for replacing the boxes is the same in all cases.

**Important:**
Do not reuse maintenance boxes that have been removed and left out in the open for a long period of time. The pad on the inside will be dry and hard and will be unable to absorb enough ink.

**Important:**
Do not replace maintenance boxes while printing. Waste ink may leak.

1. Open the maintenance box cover.

![Maintenance box cover open](image)

2. Pull the maintenance box out.

Lifting the maintenance box up releases the lock, and you can simply pull it straight out.

![Maintenance box pulled out](image)
3. Place the used maintenance box in the clear bag included with your new maintenance box, and make sure that the zipper is closed tight.

4. Install the new maintenance box.

5. Close the maintenance box cover.

**Replacing the Cutter**

Replace the cutter when it is not cutting paper cleanly.

For information about the cutter, see “Options and Consumable Products” on page 93.

Use a cross-head screwdriver to replace the cutter. Make sure you have a cross-head screwdriver with you before replacing the cutter.

**Important:**
Do not touch the IC chip on the side of maintenance box. Doing so may prevent normal operation and printing.

**Important:**
Take care not to damage the cutter blade. Dropping it or knocking it against hard objects may chip the blade.
Buttons that are used in the following settings:

1. Remove any paper from the printer.
   See “Removing Roll Paper” on page 33.

2. Confirm that the printer is ready to print. Press the ▼/▶ buttons to highlight ▼ and press the OK button.
   The Maintenance menu will be displayed.

3. Press the ▼/▲ buttons to highlight Cutter Maintenance and press the OK button.

4. Press the ▼/▲ buttons to highlight Replace Cutter and press the OK button.

5. The cutter will move to the replacement position.

6. Remove the old cutter from the printer.
   Loosen the screw holding the cutter in place using a cross-head screwdriver and pull the cutter straight out.
7. Install the new cutter.

Insert the cutter so that the pin on the printer matches up with the hole on the cutter. Use a cross-head screwdriver to tighten down the screw to hold the cutter in place.

Caution:
Do not store the cutter within the reach of children. The cutter's blade could cause an injury. Pay careful attention when replacing the cutter.
Important:
Screw in the cutter firmly, otherwise the cut position may be slightly shifted or skewed.

8. After replacing the cutter, press the OK button.

   The cutter will return to its original position.

   Ready is displayed in the control panel when the process is complete.

Disposal of Used Consumables

Dispose of used ink packs and chip units, as well as printed paper following local laws and regulations, for example by consigning waste to industrial waste disposer.
Parts That Are Periodically Replaced

The following parts require periodic replacement. The time until the following parts need to be replaced depends on the conditions of use.

- Print head
- Carriage encoder
- Ink holder
- Damper kit
- Pump cap
- Ink supply tanks

Part life varies with operating conditions. Base the decision to replace the print head on the quality of the print results.

Cleaning the Printer

To keep your printer in optimum operating condition, clean it about once a month.

Cleaning the Outside

1. Remove any paper from the printer.

2. Make sure the printer is turned off and the screen has turned off, and then unplug the power cable from the electrical outlet.

3. Use a soft, clean cloth to carefully remove any dust or dirt.

   If there is a serious dirt problem, clean it using a soft, clean cloth dampened with a mild detergent. Then wipe off with a dry, soft cloth.

Important:

Never use benzene, thinners, or alcohol to clean the printer. They could cause discoloration and deformities.
Cleaning the Inside

Clean the pressure rollers if prints are smudged or soiled.

Ink and particles of paper adhering to the platen should be removed, as they may otherwise soil the paper.

**Important:**
Failure to remove dust and particles of paper from the platen could result in clogged nozzles or damage to the print head.

Cleaning the roller

Follow the steps below to clean the roller by feeding plain paper.

1. Turn on the printer, and load it with widest available roll paper.

   See “Loading and Removing the Roll Paper” on page 27.

2. Press the ▼ button followed by the ▼ button.

   Paper is fed while the ▼ button is pressed. If the paper is not soiled, cleaning is complete.

Cut the paper after cleaning is done.

See “Manual cut method” on page 32.

Cleaning inside

1. Make sure the printer is turned off and the screen has turned off, and then unplug the power cable from the electrical outlet.

2. Wait for a minute.

3. Open the printer cover and use a soft, clean cloth to carefully clean away any dust or dirt inside the printer.
Thoroughly clean area (a), shown in blue in the illustration below. To avoid spreading the dirt, wipe from the inside to the outside. If there is a serious dirt problem, clean it using a soft, clean cloth dampened with a mild detergent. Then, wipe the inside of the printer with a dry, soft cloth.

4. If any paper particles (that look like white powder) accumulate on the platen, use something like a toothpick to push them in.

5. When you have finished cleaning, close the printer cover.

**Important:**
- Be sure not to touch the roller or the ink absorbing areas (b, shown in gray) during cleaning; otherwise, prints may be soiled.
- Be careful not to touch the ink tubes inside the printer, otherwise, the printer may be damaged.
## Chapter 5
### Problem Solver

## What to Do When a Message Is Displayed

If the printer displays one of the messages shown below, refer to the solution listed and take the necessary steps.

<table>
<thead>
<tr>
<th>Message</th>
<th>What to do</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chip Unit Error&lt;br&gt;Chip unit not recognized. Reattach or replace.</td>
<td>❑ Reattach the chip unit. If the message persists, replace with a new chip unit.&lt;br&gt;See “Replacing and Refilling Consumables” on page 67.&lt;br&gt;❑ Condensation may have formed inside the ink pack. Store at room temperature for at least 4 hours.&lt;br&gt;See “Notes on Handling Ink Packs and Ink Tanks” on page 21.</td>
</tr>
<tr>
<td>Chip Unit Error&lt;br&gt;Chip unit not recognized. Refill after matching ink pack with label?</td>
<td>Attach the chip unit included with the specified genuine Epson ink pack. You cannot use any genuine Epson ink packs other than the one specified.&lt;br&gt;See “Options and Consumable Products” on page 93.</td>
</tr>
<tr>
<td>Chip unit expended. Replace chip unit.</td>
<td>The chip unit is nearing the end of its lifetime and needs to be replaced. Obtain a replacement ink pack for the appropriate color as soon as possible.&lt;br&gt;See “Options and Consumable Products” on page 93.&lt;br&gt;See “Notes on Handling Ink Packs and Ink Tanks” on page 21.</td>
</tr>
<tr>
<td>F/W Install Error&lt;br&gt;Firmware update failed. Restart the printer.</td>
<td>Turn the printer off, wait for a few minutes, and then turn on the printer again.&lt;br&gt;Use EPSON LFP Remote Panel 2 to re-attempt the update.&lt;br&gt;If this message appears on the LCD panel again, contact Epson Support.</td>
</tr>
<tr>
<td>Command Error&lt;br&gt;Check print settings on RIP.</td>
<td>Press the [\text{Job Cancel}] button and select Job Cancel to stop printing. Check to confirm that the installed software RIP is compatible with your printer.</td>
</tr>
<tr>
<td>Paper Cut Error&lt;br&gt;Remove uncut paper.</td>
<td>After pressing the [\text{OK}] button, pull out the paper and cut along the line of the failed cut using scissors or a third-party cutter.&lt;br&gt;Align the end of the paper with all the poster board supports and press the [\text{OK}] button.</td>
</tr>
</tbody>
</table>
When a Maintenance Call/Service Call Occurs

<table>
<thead>
<tr>
<th>Error messages</th>
<th>What to do</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance Request Replace Part Soon/Replace Part Now XXXXXXXX</td>
<td>A part used in the printer is nearing the end of its service life. Contact your dealer or Epson Support and tell them the maintenance request code. You cannot clear the maintenance request until the part is replaced. A service call occurs if you continue to use the printer.</td>
</tr>
</tbody>
</table>
| Call For Service XXXX Error XXXX Power off and then on. If this doesn’t work, note the code and call for service. | A call for service occurs when:  
- The power cable is not connected securely  
- An error that cannot be cleared occurs  
When a call for service has occurred, the printer automatically stops printing. Turn off the printer, disconnect the power cable from the outlet and from the AC inlet on the printer, and then reconnect. Turn on the printer again multiple times.  
If the same call for service is displayed on the LCD panel, contact your dealer or Epson Support for assistance. Tell them the call for service code is “XXXX”. |
Troubleshooting

You cannot print (because the printer does not work)

The printer does not turn on.

- Is the power cable plugged into the electrical outlet or the printer?
  Make sure the power cable is securely plugged into the printer.

- Is there a problem with the power outlet?
  Make sure your outlet works by connecting the power cable for another electric product.

The printer turns off automatically.

- Is Power Off Timer enabled?
  To prevent the printer turning off automatically, select Off.
  See “Setup Menu” on page 56.

The printer is not communicating with the computer.

- Is the cable plugged in properly?
  Confirm that the interface cable is securely connected to both the printer port and the computer. Also, make sure the cable is not broken nor bent. If you have a spare cable, try connecting with the spare cable.

- Does the interface cable specification match the specifications for the computer?
  Make sure the interface cable specifications match the specifications for the printer and the computer.
  See “Specifications Table” on page 96.

- When using a USB hub, is it being used correctly?
  In the USB specification, daisy-chains of up to five USB hubs are possible. However, we recommend that you connect the printer to the first hub connected directly to the computer. Depending on the hub you are using, the operation of the printer may become unstable. If this should occur, plug the USB cable directly into your computer’s USB port.

- Is the USB hub recognized correctly?
  Make sure the USB hub is recognized correctly on the computer. If the computer correctly detects the USB hub, disconnect all USB hubs from the computer and connect the printer directly to the computer USB port. Ask the USB hub manufacturer about USB hub operation.
You cannot print under the network environment.

- Are the network settings correct?
  Ask your network administrator for the network settings.

- Connect the printer directly to the computer using a USB cable, and then try to print.
  If you are able to print via USB, there is a problem with network settings. Ask your system administrator, or refer to the documentation for your network system. If you cannot print via USB, see the appropriate section in this User’s Guide.

The printer has an error.

- View the message displayed in the control panel.
  See “Control Panel” on page 13.
  See “What to Do When a Message Is Displayed” on page 83.

The printer sounds like it is printing, but nothing prints.

The print head moves, but nothing prints.

- Confirm the printer operation
  Print a nozzle check pattern. Because a nozzle check pattern can be printed without connecting to a computer, you can check the operations and print status for the printer. See “Checking for Clogged Nozzles” on page 63.
  Check the next section if the nozzle check pattern is not printed correctly.

- Is the message Motor Self Adjustment displayed on the control panel’s screen?
  The printer adjusts the internal motor. Wait for a while without turning off the printer.

The nozzle check pattern is not printed correctly.

- Perform head cleaning.
  The nozzles may be clogged. Print a nozzle check pattern again after performing head cleaning.
  See “Cleaning the Print Head” on page 64.

- Has the printer been left unused for a long time?
  If the printer has not been used for a long time, the nozzles may have dried up and have been clogged.
The prints are not what you expected

Print quality is poor, uneven, too light, or too dark.

- Are the print head nozzles clogged?
  If the nozzles are clogged, specific nozzles do not fire ink and the print quality declines. Print a
  nozzle check pattern.
  See “Checking for Clogged Nozzles” on page 63.

- Was Head Alignment performed?
  With bidirectional printing, the print head prints while moving left and right. If the print head is
  misaligned, ruled lines may be misaligned accordingly. If vertical ruled lines are misaligned with
  bidirectional printing, perform Head Alignment.
  See “Minimizing Print Misalignments (Head Alignment)” on page 65.

- Are you using a genuine Epson ink pack?
  This printer is developed for use with Epson ink packs. The print quality may decline if any inks other
  than the specified ink packs are used.
  We recommend using the genuine ink packs specified in this manual.

- Are you using an old ink pack?
  The print quality declines when an old ink pack is used. Always use new ink packs. Use the ink
  before the recommended usage date on the ink pack.

- Are the paper type settings correct?
  Print quality may be adversely affected if the software RIP settings or Select Paper Type setting on
  the printer does not match that of the paper actually used for printing. Be sure to match the
  paper type setting with the paper that is loaded in the printer.

- Have you compared the printing result with the image on the display monitor?
  Since monitors and printers produce colors differently, printed colors will not always match
  on-screen colors perfectly.

- Did you open the printer cover while printing?
  If the printer cover is opened while printing, the print head stops suddenly, causing unevenness in
  the color. Do not open the printer cover while printing.

The print is not positioned properly on the paper.

- Have you specified the print area?
  Check the print area in the settings of the application and the printer.
Vertical ruled lines are misaligned.

- **Is the paper skewed?**
  If Off is selected for Media Skew Check in the Setup menu, printing will continue even if the paper is skewed, resulting in data being printed off the paper. Select On for Media Skew Check in the Setup menu.
  See “Setup Menu” on page 56.

- **Does the print data fit within the paper width?**
  Although under normal circumstances printing stops if the print image is wider than the paper, the printer may print outside the bounds of the paper when Off is selected for Paper Size Check in the Setup menu. Select On for Paper Size Check in the Setup menu.
  See “Setup Menu” on page 56.

- **Is the roll paper margin set to 15 mm or 35 mm?**
  If the value selected for Roll Paper Margin in the Setup menu is wider than the margins selected in the application, priority will be given to the value selected for Roll Paper Margin. For example, if 15 mm is selected for the left and right margins in the printer Setup menu and the document fills the page, the 15 mm at the left and right sides of the page will not be printed.
  See “Printable Area” on page 45.

The printed surface is scuffed or soiled.

- **Is the paper too thick or too thin?**
  Check that the paper specifications are compatible with this printer. For information about the media types and appropriate settings for printing on paper from other manufacturers or when using RIP software, see the documentation supplied with the paper, or contact the dealer of the paper or the manufacturer of the RIP.

- **Is the paper creased or folded?**
  Do not use old paper or paper with folds in it. Always use new paper.

- **Is the print head scuffing the printed surface?**
  If the surface of the paper is scuffed, select a Platen Gap option between Wide and Wider in the Paper menu.
  See “Paper Menu” on page 52.
Is the print head scuffing the edge of the paper?
Select Top35mm/Bottom15mm for the Roll Paper Margin option in the Setup menu.
See “Setup Menu” on page 56.

Widen the bottom margin
Depending on the paper usage, storage conditions, and the content of the print data, the bottom edge may be scuffed when printing. In this situation it is best to create your data with a wider bottom margin.

Does the interior of the printer need cleaning?
The rollers may need cleaning. Clean the rollers by feeding and ejecting paper.
See “Cleaning the Inside” on page 81.

The reverse side of the printed paper is soiled.

Select On for Paper Size Check in the menus.
Although printing normally stops if the print image is wider than the paper, when Off is selected for Paper Size Check in the Setup menu, the printer may print outside the bounds of the paper, getting ink on the inside of the printer in the process. This can be prevented by selecting On for Paper Size Check in the Setup menu.
See “Setup Menu” on page 56.

Is ink dry on the printed surface?
Depending on the printing density and media type, the ink may take a while to dry. Do not stack the paper until the printed surface is dry.
See “Cleaning the Inside” on page 81.

Feeding or ejecting problems
Unable to feed or eject paper.

Is the paper loaded in the correct position?
See the following for the correct paper loading positions.
See “Loading Roll Paper” on page 27.
If the paper is loaded correctly, check the condition of the paper that you are using.

Is the paper creased or folded?
Do not use old paper or paper with folds in it. Always use new paper.
Roll paper jam

To remove jammed paper, follow the steps below:

1. Turn off the printer.

2. Turn the printer on.

   After a pause, the message **Open printer cover and remove jammed Paper** will appear in the display.

3. Open the printer cover and move the print head away from the jam.

4. Pull the paper over any torn or crinkled areas and cut it using scissors or a third-party cutter.
5. Remove the paper via the paper feed slot or the eject slot.

6. After removing the paper, close the printer cover and press the OK button.

7. Perform a Nozzle check.
   Inspect the printed pattern and perform head cleaning if necessary. See “Checking for Clogged Nozzles” on page 63.
   See “Loading Roll Paper” on page 27.

**Others**

**The control panel display keeps turning off.**

- **Is the printer in sleep mode?**
  Press the ( button to exit sleep mode and return to the normal running state. The delay before the printer enters sleep mode can be selected in the Setup menu.
  See “Setup Menu” on page 56.

**Color ink runs out quickly even when printing black data.**

- **Color ink is consumed during the head cleaning process.**
  If all nozzles are selected when you perform **Head Cleaning**, inks of all colors will be used.
  See “Cleaning the Print Head” on page 64.

**The paper is not cut cleanly.**

- **Replace the cutter.**
  If the paper is not cut cleanly, replace the cutter.
  See “Replacing the Cutter” on page 76.
**A light is visible inside the printer.**

- **This is not a failure.**
  The light normally stays on inside the printer.

**The administrator password has been lost.**

- **Should you forget the administrator password, contact your dealer or Epson Support.**

**Head cleaning starts when the printer is turned on.**

- **When turned on after an extended period of disuse, the printer may automatically perform head cleaning to ensure print quality.**
  Head cleaning will end after about 10 to 15 minutes.
Appendix A

Options and Information

Options and Consumable Products

The following options and consumable products are available for use with your printer. (As of November, 2012)

For the latest information, see the Epson website.

**Important:**
*Using ink from an undesignated ink pack may result in a malfunction.*

_Epson shall not be held responsible for any damages or problems with the printer that may occur when using undesignated, non-genuine ink packs._

**Ink packs**

<table>
<thead>
<tr>
<th>Color</th>
<th>Product number</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>T741100</td>
<td>Epson recommends the use of genuine Epson ink packs. Epson cannot guarantee the quality or reliability of non-genuine ink. The use of non-genuine ink may cause damage that is not covered by Epson’s warranties, and under certain circumstances, may cause erratic printer behavior. Information about non-genuine chip unit status may not be displayed, and use of non-genuine ink is recorded for possible use in service support. See “Replacing and Refilling Consumables” on page 67.</td>
</tr>
<tr>
<td>Cyan</td>
<td>T741200</td>
<td></td>
</tr>
<tr>
<td>Magenta</td>
<td>T741300</td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td>T741400</td>
<td></td>
</tr>
</tbody>
</table>

**Others**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Product number</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance Box</td>
<td>T619300</td>
<td>Replacement for maintenance boxes at the end of their service life. See “Replacing Maintenance Boxes” on page 74.</td>
</tr>
<tr>
<td>Auto Cutter Spare Blade</td>
<td>S902006</td>
<td>See “Replacing the Cutter” on page 76 for instructions.</td>
</tr>
<tr>
<td>Roll Adapter</td>
<td>C12C811391</td>
<td>This is the same as the roll adapter supplied with the printer.</td>
</tr>
</tbody>
</table>
**Supported Media**

This printer supports the following paper specifications. The type and quality of the paper will greatly affect print quality. Be sure to use the correct paper for your needs. Refer to the manual included with your paper or contact the manufacturer for details regarding any precautions or warnings that must be taken into consideration when using that paper. Test the print quality first before purchasing a large amount of paper.

**Important:**

*Do not use paper that is wrinkled, scuffed, torn, or dirty.*

**Roll Paper**

<table>
<thead>
<tr>
<th>Paper core size</th>
<th>2-inch and 3-inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roll paper outer diameter</td>
<td>150 mm or less</td>
</tr>
<tr>
<td>Width</td>
<td>254 mm (10 inches) to 1,118 mm (44 inches)</td>
</tr>
<tr>
<td>Paper Thickness</td>
<td>0.08 to 0.5 mm</td>
</tr>
</tbody>
</table>

**Moving and Transporting the Printer**

This section describes how to move and transport the product.

**Moving the Printer**

This section assumes that the product is being moved to another location on the same floor without traversing stairs, ramps, or lifts. See below for information on moving the printer between floors, to another building, or between non-level floors.

**Caution:**

*Do not tilt the product more than 10 degrees forward or back while moving it. Failure to observe this precaution could result in the printer falling over, causing accidents.*
Before Moving or Transporting

Make the following preparations in advance before moving or transporting the printer.

- Turn off the printer and remove all cables.
- Remove any paper.
- Remove any optional components if they are installed.
- Unlock the stand locks.

After Moving

After moving the printer, do the following to get the printer ready for use.

- Check that the new location is appropriate.
- Plug in the power cables and turn the printer on.
  
  See the Setup Guide.
- Perform a nozzle check.
  
  See “Checking for Clogged Nozzles” on page 63.
- Perform head alignment and check the print quality.
  
  See “Minimizing Print Misalignments (Head Alignment)” on page 65.

Transport

Before transporting the printer, contact your dealer or Epson Support.

System Requirements

Refer to the software RIP manual.
# Specifications Table

<table>
<thead>
<tr>
<th><strong>Printer Specifications</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Printing method</strong></td>
<td>On-demand ink jet</td>
</tr>
<tr>
<td><strong>Nozzle configuration</strong></td>
<td>360 nozzles × 2 rows × 4 colors (black, cyan, magenta, and yellow)</td>
</tr>
<tr>
<td><strong>Resolution (maximum)</strong></td>
<td>720 × 1440 dpi</td>
</tr>
<tr>
<td><strong>Control code</strong></td>
<td>ESC/P raster (undisclosed command)</td>
</tr>
<tr>
<td><strong>Paper feed method</strong></td>
<td>Friction feed</td>
</tr>
<tr>
<td><strong>Built-in memory</strong></td>
<td>512MB for Main 128MB for Network</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>Hi-Speed USB-Compatible with the USB 2.0 Specification 100Base-TX/1000Base-T&lt;sup&gt;*&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>Rated voltage</strong></td>
<td>AC 100 to 240 V</td>
</tr>
<tr>
<td><strong>Rated frequency range</strong></td>
<td>50 to 60 Hz</td>
</tr>
<tr>
<td><strong>Rated current</strong></td>
<td>1.0 to 0.5 A</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td></td>
</tr>
<tr>
<td>In use</td>
<td>Approximately 65 W</td>
</tr>
<tr>
<td>Sleep mode</td>
<td>3.0 W or less</td>
</tr>
<tr>
<td>Power off</td>
<td>0.4 W or less</td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td>Operating: 59 to 95°F (15 to 35°C)</td>
</tr>
<tr>
<td></td>
<td>Storage (before unpacking): −4 to 140°F (−20 to 60°C) (within 120 hours at 140°F (60°C), within a month at 104°F (40°C))</td>
</tr>
<tr>
<td></td>
<td>Storage (after unpacking): −4 to 104°F (−20 to 40°C) (within a month at 104°F (40°C))</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>Operating: 20 to 80% (without condensation)</td>
</tr>
<tr>
<td></td>
<td>Storage (before unpacking): 5 to 85% (without condensation)</td>
</tr>
<tr>
<td></td>
<td>Storage (after unpacking): 5 to 85% (without condensation)</td>
</tr>
</tbody>
</table>
### Printer Specifications

<table>
<thead>
<tr>
<th>Operating temperature/humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Graph showing temperature and humidity ranges" /></td>
</tr>
</tbody>
</table>

- **External dimensions:** (W) 63.3 x (D) 36.1 x (H) 44.4 inches  
  (W) 1608 x (D) 917 x (H) 1128 mm
- **Weight**: Approximately 198.4 lb (90 kg)

*1 Use a shielded twisted-pair cable (Category 5 or higher).
*2 Ink not included.

### Ink Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Dedicated ink pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sublimation transfer ink</td>
<td>Black, Cyan, Magenta, Yellow</td>
</tr>
<tr>
<td>Use by date</td>
<td>See the date printed on the ink pack (at normal temperature)</td>
</tr>
<tr>
<td>Print quality guarantee expiration</td>
<td>25 days (from the day the ink tank was refilled from the ink pack)</td>
</tr>
</tbody>
</table>
| Storage temperature         | Uninstalled:  
  -4 to 104 °F (−20 to 40 °C) (within a month at 104°F (40 °C))  
  Installed in printer:  
  -4 to 95 °F (−20 to 35 °C) (within a month at 104°F (40 °C))  
  Transporting:  
  -4 to 140 °F (−20 to 60 °C) (within a month at 104 °F (40 °C), 72 hours at 140°F (60°C)) |
| Capacity                    | 1000 ml                                |

**Important:**  
The ink freezes if stored for a long period of time at −4°F (−20°C) or below. If the ink is frozen, store for at least 4 hours at room temperature 77°F (25°C) before using (without condensation).
Standards and Approvals

<table>
<thead>
<tr>
<th>Safety</th>
<th>UL 60950-1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CAN/CSA C22.2 No.60950-1</td>
</tr>
<tr>
<td></td>
<td>Low Voltage Directive 2006/95/EC</td>
</tr>
<tr>
<td>EMC</td>
<td>FCC part 15 subpart B Class A</td>
</tr>
<tr>
<td></td>
<td>CAN/CSA-CEI/IEC CISPR 22 Class A</td>
</tr>
<tr>
<td></td>
<td>AS/NZS CISPR 22 Class A</td>
</tr>
<tr>
<td></td>
<td>EMC Directive 2004/108/EC</td>
</tr>
<tr>
<td></td>
<td>EN 55022 Class A</td>
</tr>
<tr>
<td></td>
<td>EN 55024</td>
</tr>
<tr>
<td></td>
<td>EN 61000-3-2</td>
</tr>
<tr>
<td></td>
<td>EN 61000-3-3</td>
</tr>
</tbody>
</table>

Warning:
This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

FCC Compliance Statement

For United States Users

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.
WARNING

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user’s authority to operate the equipment.

For Canadian Users

This Class A digital apparatus complies with Canadian ICES-003.

*Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.*
Appendix B

Where To Get Help

Contacting Epson Support

Epson provides technical support and information on the installation, configuration, and operation of professional printing products through the EPSON Preferred Limited Warranty Plan. Dial (888) 377-6611, 6 AM to 6 PM, Pacific Time, Monday through Friday. Days and hours of support are subject to change without notice.

Before you call, make sure you have your Unit ID number, which is included with the EPSON Preferred Limited Warranty Plan information that came with your printer. You'll also need your printer serial number and proof of purchase.

Visit Epson’s U.S. support website (www.epson.com/support) or Canadian website (www.epson.ca/support) and select your product for solutions to common problems. You can download drivers, firmware, and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

Note:
For help using any other software on your system, see the documentation for that software for technical support information.

Purchase Supplies and Accessories

You can purchase genuine Epson ink packs and accessories from an Epson authorized reseller. To find the nearest reseller, call 800-GO-EPSON (800-463-7766). Or you can purchase online at http://www.epsonstore.com (U.S. sales) or http://www.epson.ca (Canadian sales).
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