



ESC/Label Command List

TM-C7500 Series

M00097803
Rev. D

Cautions

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About this document

This document provides the command information indicated in the ESC/Label Command Reference Guide (Rev. E) listed alphabetically according to the command name and includes model information.

REVISION SHEET

Revision	Summary
A	Enactment
B	The "CP: continuous paper" parameter was deleted from "Definition range for TM-C7500 series" in the "^S(CLM,F:media form".
C	The "^XB: Suppress backfeed" was deleted.
D	The factory-set initial value information was added.
	The list of printer errors and warnings was added.

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^A		Font	Sets the font used to render character strings in the field.	Text	^Afo,h,w	f: Font identifier	0 ≤ f ≤ 9, Capital letter of the alphabet (A to Z)	0 ≤ f ≤ 9, Capital letter of the alphabet (A to Z)		^A	Low
						o: Field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)			
						h: Character height [dot]	0 ≤ h ≤ 9999	0 ≤ h ≤ 3000			
						w: Character width [dot]	0 ≤ w ≤ 9999	0 ≤ w ≤ 3000			
^A@		Font file	Sets the font used to render character strings in the field.	Text	^A@o,h,w,d,f,x	o: Field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^A@	Low
						h: Character height [dot]	0 ≤ h ≤ 9999	0 ≤ h ≤ 3000			
						w: Character width [dot]	0 ≤ w ≤ 9999	0 ≤ w ≤ 3000			
						d: Font storage drive	d = R/E/B/A/Z R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory Z: Non-rewritable memory	d = R/E/B/A/Z R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory Z: Non-rewritable memory			
						f: Font file name	ASCII code within 8 characters	ASCII code within 8 characters			
						x: Extension	X = FNT/TTF/TTE/DAT	X = FNT/TTF/TTE/DAT			
^B(Q		Micro QR Code	This command creates a Micro-QR Code symbol with a smaller symbol size than the QR Code.	Barcode	^B(Qo,v,s	o: Micro QR Code field orientation	o = N (Fixed) N: Normal	o = N (Fixed) N: Normal			Low
						v: Micro QR Code version	v = 0/1/2/3/4 0: Auto 1: M1 (11 × 11) 2: M2 (13 × 13) 3: M3 (15 × 15) 4: M4 (17 × 17)	v = 0: Auto			
						s: Micro QR Code module size [dot]	1 ≤ s ≤ 99	1 ≤ s ≤ 20			

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Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^B(R)		GS1 Databar (HRI character attachable)	^B(R command generates GS1 DataBar as well as ^BR command. HRI character is attachable.	Barcode	^B(Ra,b,c,d,e,f,g	a: Field orientation	a = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	a = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)			Low
						b: Type of barcode or symbol	1 ≤ b ≤ 12 1: GS1 DataBar 2: GS1 DataBar Truncated 3: GS1 DataBar Stacked 4: GS1 DataBar Stacked Omnidirectional 5: GS1 DataBar Limited 6: GS1 DataBar Expanded 7: UPC-A 8: UPC-E 9: EAN-13 10: EAN-8 11: UCC/EAN-128 and CC-A/CC-B 12: UCC/EAN-128 and CC-C	1 ≤ b ≤ 12 1: GS1 DataBar 2: GS1 DataBar Truncated 3: GS1 DataBar Stacked 4: GS1 DataBar Stacked Omnidirectional 5: GS1 DataBar Limited 6: GS1 DataBar Expanded 7: UPC-A 8: UPC-E 9: EAN-13 10: EAN-8 11: UCC/EAN-128 and CC-A/CC-B 12: UCC/EAN-128 and CC-C			
						c: Magnification factor of barcode or symbol	1 ≤ c ≤ 99	1 ≤ c ≤ 20			
						d: Height of separator	d = 1/2	d = 1/2			
						e: Height of barcode part [dot]	1 ≤ e ≤ 32000	1 ≤ e ≤ 14173			
						f: Number of segments	2 ≤ f ≤ 22, even numbers only	2 ≤ f ≤ 22, even numbers only			
						g: Set/cancel of HRI character addition	g = Y/N Y: Set N: Cancel	g = Y/N Y: Set N: Cancel			
^B(V)		Set barcode printing validation function	Use the ^B(V command to enable/disable the barcode printing validation function.	Barcode	^B(Va	a: Barcode printing validation function	a = Y/N Y: Enabled N: Disabled	a = Y/N Y: Enabled N: Disabled			Low
^B0		Aztec Code	Sets the Aztec Code symbol to the field.	Barcode	^B0o,m,e,t,i,n,id	o: Aztec Code field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^B0	Low
						m: Aztec Code module size	1 ≤ m ≤ 99	1 ≤ m ≤ 20			
						e: Aztec Code extended channel interpretation (ECI) enabled/disabled	e = Y/N Y: Enabled N: Disabled	e = N N: Disabled			
						t: Aztec Code mode type and data layer count	t = 0 01 ≤ t ≤ 99 101 ≤ t ≤ 104 201 ≤ t ≤ 232 t = 300	t = 0 01 ≤ t ≤ 99 101 ≤ t ≤ 104 204 ≤ t ≤ 232			
						i: Aztec Code leader initialization symbol	i = Y/N Y: Yes N: No	i = N N: No			
						n: Number of symbols for structured append with Aztec Code	1 ≤ n ≤ 26	1 ≤ n ≤ 26			
						id: Aztec Code message ID	ASCII code within 24 characters	ASCII code within 24 characters			

Command List of the Alphabetical Order

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Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^B2		Interleaved 2 of 5 barcode	Sets Interleaved 2 of 5 barcode to the field.	Barcode	^B2o,h,i,a,c	o: Interleaved 2 of 5 field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^B2	Low
						h: Interleaved 2 of 5 barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						i: Set/cancel of HRI character addition for Interleaved 2 of 5	i = Y/N Y: Set N: Cancel	i = Y/N Y: Set N: Cancel			
						a: Set/cancel of HRI character addition for top of Interleaved 2 of 5 barcode	a = Y/N Y: Set N: Cancel	a = Y/N Y: Set N: Cancel			
						c: Set/cancel check digit printing for Interleaved 2 of 5	c = Y/N Y: Set N: Cancel	c = Y/N Y: Set N: Cancel			
^B3		Code 39 barcode	Sets Code 39 barcode to the field.	Barcode	^B3o,c,h,i,a	o: Code 39 field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^B3	Low
						c: Set/cancel check digit printing for Code 39	c = Y/N Y: Set N: Cancel	c = Y/N Y: Set N: Cancel			
						h: Code 39 barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						i: Set/cancel of HRI character addition for Code 39	i = Y/N Y: Set N: Cancel	i = Y/N Y: Set N: Cancel			
						a: Set/cancel of HRI character addition for top of Code 39 barcode	a = Y/N Y: Set N: Cancel	a = Y/N Y: Set N: Cancel			
^B7		PDF417 barcode	Sets the PDF417 symbol to the field.	Barcode	^B7o,h,e,c,r,t	o: PDF417 field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^B7	Low
						h: PDF417 row height [dot]	1 ≤ h ≤ Label length	1 ≤ h ≤ 14173			
						e: PDF417 error correction level	0 ≤ e ≤ 8	0 ≤ e ≤ 8			
						c: PDF417 column count	c = 0 (Auto) 1 ≤ c ≤ 30	c = 0 (Auto) 1 ≤ c ≤ 30			
						r: PDF417 row count	r = 0 (Auto) 3 ≤ r ≤ 90	r = 0 (Auto) 3 ≤ r ≤ 90			
t: Truncate right row indicators and stop pattern for PDF417	t = Y/N Y: Set N: Cancel	t = Y/N Y: Set N: Cancel									

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								Definition range	Factory-set initial value		
^B8		EAN-8 barcode	Sets EAN-8 barcode to the field.	Barcode	^B8o,h,i,a	o: EAN-8 field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^B8	Low
						h: EAN-8 barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						i: Set/cancel of HRI character addition for EAN-8	i = Y/N Y: Set N: Cancel	i = Y/N Y: Set N: Cancel			
						a: Set/cancel of HRI character addition for top of EAN-8 barcode	a = Y/N Y: Set N: Cancel	a = Y/N Y: Set N: Cancel			
^B9		UPC-E barcode	Sets UPC-E barcode to the field.	Barcode	^B9o,h,i,a,c	o: UPC-E field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^B9	Low
						h: UPC-E barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						i: Set/cancel of HRI character addition for UPC-E	i = Y/N Y: Set N: Cancel	i = Y/N Y: Set N: Cancel			
						a: Set/cancel of HRI character addition for top of UPC-E barcode	a = Y/N Y: Set N: Cancel	a = Y/N Y: Set N: Cancel			
^BA		Code 93 barcode	Sets Code 93 barcode to the field.	Barcode	^BAo,h,i,a,c	o: Code 93 field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^BA	Low
						h: Code 93 barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						i: Set/cancel of HRI character addition for Code 93	i = Y/N Y: Set N: Cancel	i = Y/N Y: Set N: Cancel			
						a: Set/cancel of HRI character addition for top of Code 93 barcode	a = Y/N Y: Set N: Cancel	a = Y/N Y: Set N: Cancel			
^BA		Code 93 barcode	Sets Code 93 barcode to the field.	Barcode	^BAo,h,i,a,c	c: Set/cancel check digit printing for Code 93	c = Y/N Y: Set N: Cancel	c = Y/N Y: Set N: Cancel		^BA	Low

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								Definition range	Factory-set initial value		
^BC		Code 128 barcode	Sets Code 128 barcode to the field.	Barcode	^BCo,h,i,a,c,m	o: Code 128 field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^BC	Low
						h: Code 128 barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						i: Set/cancel of HRI character addition for Code 128	i = Y/N Y: Set N: Cancel	i = Y/N Y: Set N: Cancel			
						a: Set/cancel of HRI character addition for top of Code 128 barcode	a = Y/N Y: Set N: Cancel	a = Y/N Y: Set N: Cancel			
						c: Addition of a Mod10 check digit for Code 128	c = Y/N Y: Yes N: No	c = Y/N Y: Yes N: No			
m: Code 128 mode	m = N/U/A/D N: Normal U: UCC Case A: Automatic D: UCC/EAN	m = N/U/A/D N: Normal U: UCC Case A: Automatic D: UCC/EAN									
^BD		MaxiCode	Sets the MaxiCode symbol to the field.	Barcode	^BDm,n,q	m: MaxiCode mode	m = 2/3/4/5/6 2: Structured carrier message: numeric postal code (U.S.A.) 3: Structured carrier message: alphanumeric postal code (International) 4: Standard symbol 5: Full EEC 6: Reader program	m = 2/3/4/5/6 2: Structured carrier message: numeric postal code (U.S.A.) 3: Structured carrier message: alphanumeric postal code (International) 4: Standard symbol 5: Full EEC 6: Reader program		^BD	Low
						n: Number in the MaxiCode structured append	1 ≤ n ≤ 8	1 ≤ n ≤ 8			
						q: Total number of symbols in the MaxiCode structured append	1 ≤ q ≤ 8	1 ≤ q ≤ 8			
^BE		EAN-13 barcode	Sets EAN-13 barcode to the field.	Barcode	^BEo,h,i,a	o: EAN-13 field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^BE	Low
						h: EAN-13 barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						i: Set/cancel of HRI character addition for EAN-13	i = Y/N Y: Set N: Cancel	i = Y/N Y: Set N: Cancel			
						a: Set/cancel of HRI character addition for top of EAN-13 barcode	a = Y/N Y: Set N: Cancel	a = Y/N Y: Set N: Cancel			

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								Definition range	Factory-set initial value		
^BF		Micro PDF417	Sets the Micro PDF417 symbol to the field.	Barcode	^BFo,h,m	o: Micro PDF417 field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^BF	Low
						h: Micro PDF417 symbol height [dot]	1 ≤ h ≤ 9999	1 ≤ h ≤ 9999			
						m: Micro PDF417 mode	0 ≤ m ≤ 33	0 ≤ m ≤ 33			
^BK		Codabar barcode	Sets Codabar barcode to the field.	Barcode	^BKo,c,h,i,a,b,e	o: Codabar field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^BK	Low
						c: Printing of a Codabar check digit	c = N (Fixed) N: No	c = N (Fixed) N: No			
						h: Codabar barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						i: Set/cancel of HRI character addition for Codabar	i = Y/N Y: Set N: Cancel	i = Y/N Y: Set N: Cancel			
						a: Set/cancel of HRI character addition for top of Codabar barcode	a = Y/N Y: Set N: Cancel	a = Y/N Y: Set N: Cancel			
						b: Codabar start character	b = A/B/C/D/T/N/E/*	b = A/B/C/D/T/N/E/*			
^BO		Aztec Code	Sets the Aztec Code symbol to the field.	Barcode	^BOo,m,e,t,i,n,id	o: Aztec Code field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^BO	Low
						m: Aztec Code module size	1 ≤ m ≤ 99	1 ≤ m ≤ 20			
						e: Aztec Code extended channel interpretation (ECI) enabled/disabled	e = Y/N Y: Enabled N: Disabled	e = N N: Disabled			
						t: Aztec Code mode type and data layer count	t = 0 01 ≤ t ≤ 99 101 ≤ t ≤ 104 201 ≤ t ≤ 232 t = 300	t = 0 01 ≤ t ≤ 99 101 ≤ t ≤ 104 204 ≤ t ≤ 232			
						i: Aztec Code leader initialization symbol	i = Y/N Y: Yes N: No	i = N N: No			
						n: Number of symbols for structured append with Aztec Code	1 ≤ n ≤ 26	1 ≤ n ≤ 26			
						id: Aztec Code message ID	ASCII code within 24 characters	ASCII code within 24 characters			

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Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^BQ		QR Code	Sets the QR Code symbol to the field.	Barcode	^BQo,m,s	o: QR Code field orientation	o = N (Fixed) N: Normal	o = N (Fixed) N: Normal		^BQ	Low
						m: QR Code model	m = 1/2 1: Model 1 2: Model 2	m = 1/2 1: Model 1 2: Model 2			
						s: QR Code module size	1 ≤ s ≤ 99	1 ≤ s ≤ 20			
^BR		GS1 DataBar	Sets the GS1 DataBar, the UPC, or the EAN barcode, or Composite symbol to the field.	Barcode	^BRo,t,m,s,h,n	o: GS1 DataBar field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^BR	Low
						t: GS1 DataBar symbol type	1 ≤ t ≤ 12 1: GS1 DataBar Standard 2: GS1 DataBar Truncated 3: GS1 DataBar Stacked 4: GS1 DataBar Stacked Omnidirectional 5: GS1 DataBar Limited 6: GS1 DataBar Expanded 7: UPC-A 8: UPC-E 9: EAN-13 10: EAN-8 11: UCC/EAN-128 and CC-A/CC-B 12: UCC/EAN-128 and CC-C	1 ≤ t ≤ 12 1: GS1 DataBar Standard 2: GS1 DataBar Truncated 3: GS1 DataBar Stacked 4: GS1 DataBar Stacked Omnidirectional 5: GS1 DataBar Limited 6: GS1 DataBar Expanded 7: UPC-A 8: UPC-E 9: EAN-13 10: EAN-8 11: UCC/EAN-128 and CC-A/CC-B 12: UCC/EAN-128 and CC-C			
						m: GS1 DataBar module size	1 ≤ m ≤ 99	1 ≤ m ≤ 20			
						s: GS1 DataBar separator section height	1 ≤ s ≤ 2	1 ≤ s ≤ 2			
						h: UCC/EAN-128 and CC-A/CC-B/CC-C barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						n: Number of segments per line in GS1 DataBarExpanded	2 ≤ n ≤ 22, even numbers only	2 ≤ n ≤ 22, even numbers only			
^BU		UPC-A barcode	Sets the UPC-A barcode to the current field.	Barcode	^BUo,h,i,a,c	o: UPC-A field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^BU	Low
						h: UPC-A barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						i: Set/cancel of HRI character addition for UPC-A	i = Y/N Y: Set N: Cancel	i = Y/N Y: Set N: Cancel			
						a: Set/cancel of HRI character addition for top of UPC-A barcode	a = Y/N Y: Set N: Cancel	a = Y/N Y: Set N: Cancel			
c: Set/cancel check digit printing for UPC-A	c = Y/N Y: Set N: Cancel	c = Y/N Y: Set N: Cancel									

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								Definition range	Factory-set initial value		
^BX		Data Matrix	Sets the Data Matrix symbol to the field.	Barcode	^BXo,s,e,c,r,d,i,f	o: Data Matrix field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^BX	Low
						s: Data Matrix module size [dot]	1 ≤ s ≤ 32000	1 ≤ s ≤ 14173			
						e: Data Matrix error correction level	e = 0/50/80/100/140/200 0: ECC000 50: ECC050 80: ECC080 100: ECC100 140: ECC140 200: ECC200	e = 200 200: ECC200			
						c: Data Matrix column count	9 ≤ c ≤ 49 If e = 200, then 10 ≤ c ≤ 144	square (f = 1): c = 10/12/14/16/18/20 /22/24/26/32/36/40 /44/48/52/64/72/80/88 /96/104/120/132/144 rectangular (f = 2): r = 8: c = 18/32 r = 12: c = 26/36 r = 16: c = 36/48			
						r: Data Matrix line count	9 ≤ r ≤ 49 If e = 200, then 10 ≤ r ≤ 144	square (f = 1): r = 10/12/14/16/18/20 /22/24/26/32/36/40/ 44/48/52/64/72/80/88 /96/104/120/132/144 rectangular (f = 2): r = 8/12/16			
						d: Data Matrix data type	d = 1/2/3/4/5/6 1: Numerals and blank characters 2: Capital letters of the alphabet (A to Z) and blank characters 3: Numerals, capital letters of the alphabet (A to Z), blank characters, periods <.>, commas <,>, dashes <->, and slashes </>. 4: Numerals, capital letters of the alphabet (A to Z), and blank characters 5: ASCII code (00H to 7EH) 6: ASCII code (00H to FFH)	d = 1/2/3/4/5/6 1: Numerals and blank characters 2: Capital letters of the alphabet (A to Z) and blank characters 3: Numerals, capital letters of the alphabet (A to Z), blank characters, periods <.>, commas <,>, dashes <->, and slashes </>. 4: Numerals, capital letters of the alphabet (A to Z), and blank characters 5: ASCII code (00H to 7EH) 6: ASCII code (00H to FFH)			
						i: Data Matrix ECC200 escape sequence identifier	Any ASCII single character	Any ASCII single character			
						f: Data Matrix ECC200 symbol shape	f = 1/2 1: Square 2: Rectangle	f = 1/2 1: Square 2: Rectangle			
^BY		Set barcode parameters default values	Sets the default values for parameters used in barcodes.	Barcode	^BYx,n,h	x: Module width [dot]	1 ≤ x ≤ 9999	1 ≤ x ≤ 85		^BY	Low
						n: Bar width ratio	2.0 ≤ n ≤ 3.0	2.0 ≤ n ≤ 3.0			
						h: Barcode height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			

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								Definition range	Factory-set initial value		
^C(D		Delete image of drawing canvas saved temporarily	The ^C(D command deletes the image of drawing canvas of format which was temporarily saved by using ^C(S command.	Graphic	^C(D	None	None	None			Low
^C(L		Load temporary saved image of drawing canvas	The ^C(L command loads the image of drawing canvas of format which was temporarily saved by using ^C(S command, and puts the image onto the current format.	Graphic	^C(L	None	None	None			Low
^C(S		Save image of drawing canvas temporarily	The ^C(S command temporarily saves the image of drawing canvas of current format.	Graphic	^C(Sa	a: Print image after saving	a = Y/N Y = Set N = Cancel	a = Y/N Y = Set N = Cancel			Low
^CC		Set prefix character for format command	Sets the prefix character which indicates the format command.	Miscellaneous	^CCp	p: Prefix character for format command	One ASCII code character excluding <C>, <D>, and <T>	One ASCII code character excluding <C>, <D>, and <T>		^CC	High
~CC		Set prefix character for format command	Sets the prefix character which indicates the format command.	Miscellaneous	~CCp	p: Prefix character for format command	One ASCII code character excluding <C>, <D>, and <T>	One ASCII code character excluding <C>, <D>, and <T>		~CC	High
^CD		Set command parameter delimiter	Sets the character which indicates a break between command parameters.	Miscellaneous	^CDs	s: Parameter separator character	One ASCII code character excluding <C>, <D>, and <T>	One ASCII code character excluding <C>, <D>, and <T>		^CD	High
~CD		Set command parameter delimiter	Sets the character which indicates a break between command parameters.	Miscellaneous	~CDs	s: Parameter separator character	One ASCII code character excluding <C>, <D>, and <T>	One ASCII code character excluding <C>, <D>, and <T>		~CD	High
^CF		Default font specification	Specifies the default font used to render character strings in the field.	Text	^CFf,h,w	f: Default font identifier	0 ≤ f ≤ 9, Capital letter of the alphabet (A to Z)	0 ≤ f ≤ 9, Capital letter of the alphabet (A to Z)		^CF	Low
						h: Default character height [dot]	0 ≤ h ≤ 9999	0 ≤ h ≤ 9999			
						w: Default character width [dot]	0 ≤ w ≤ 9999	0 ≤ w ≤ 9999			
^CI		Set international font/encoding	Sets the link between the input character code and the rendered characters.	Text	^CIa,s1,d1,s2,d2,...	a: Character code set	<International character set> 0 ≤ a ≤ 12 <Code page> a = 13/27/31/33/34/35/36 <Encode> a = 14/15/16/17/24/26/28/29/30	0 ≤ a ≤ 12 a = 13/14/15/16/ 17/24/26/27/28/ 31/33/34/35		^CI	Low
						s1: Source 1 (character output image)	0 ≤ s1 ≤ 255	0 ≤ s1 ≤ 255			
						d1: Destination 1 (character input image)	0 ≤ d1 ≤ 255	0 ≤ d1 ≤ 255			
						...					

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^CM		Set drive character allocation	Sets the allotment of drive character for accessing memory devices.	Miscellaneous	^CMb,e,r,a,m	b: Memory device to allot drive character B to	b,e,r,a = B/E/R/A B: Optional memory device E: Internal non-volatile memory device R: Internal volatile memory device A: Optional memory device	b = E/R E: Internal non-volatile memory device R: Internal volatile memory device		^CM	Low
						e: Memory device to allot drive character E to	b,e,r,a = B/E/R/A	e = E/R			
						r: Memory device to allot drive character R to	b,e,r,a = B/E/R/A	r = E/R			
						a: Memory device to allot drive character A to	b,e,r,a = B/E/R/A	a = E/R			
						m: Enable/disable multiple drive allotment	m = M/No character input M: Enable multiple drive allotment No character input: Disabled	m = M/No character input M: Enable multiple drive allotment No character input: Disabled			
^CT		Set prefix character for control commands	Sets the prefix character which indicates the control command.	Miscellaneous	^CTp	p: Prefix character for control commands	One ASCII code character excluding <C>, <D>, and <T>	One ASCII code character excluding <C>, <D>, and <T>		^CT	High
~CT		Set prefix character for control commands	Sets the prefix character which indicates the control command.	Miscellaneous	~CTp	p: Prefix character for control commands	One ASCII code character excluding <C>, <D>, and <T>	One ASCII code character excluding <C>, <D>, and <T>		~CT	High
^CV		Barcode validation	Enables/disables the barcode validation.	Barcode	^CVe	e: Enabled/disable barcode validation	e = Y/N Y: Enabled N: Disabled	e = Y/N Y: Enabled N: Disabled		^CV	Low
^CW		Set font identifier allocation	Allots a font identifier to the font file saved to the printer.	Text	^CWf,d,o,x	f: Font identifier allotted to the font file	0 ≤ f ≤ 9, Capital letter of the alphabet (A to Z)	0 ≤ f ≤ 9, Capital letter of the alphabet (A to Z)		^CW	Low
						d: Drive where the font file is stored	d = R/E/B/A/Z R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory Z: Non-rewritable memory	d = R/E/B/A/Z R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory Z: Non-rewritable memory			
						o: Font file name	ASCII code within 8 characters	ASCII code within 8 characters			
						x: Extension	X = FNT/TTF/TTE/DAT	X = FNT/TTF/TTE/DAT			
~DE		Download a character code conversion table	Downloads the character code conversion table to the printer.	Text	~DEo,x,s,data	d: Storage memory device	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		~DE	Low
						o: Character code conversion table file name	ASCII code within 8 characters (20H to 7EH)	ASCII code within 8 characters (20H to 7EH)			
						x: Extension	x = CNV	x = CNV			
						s: Data size (bytes) of the character code conversion table	Numerical value The maximum size depends on the model.	Numerical value The maximum size depends on the model.			
						data: Character code conversion table data	Binary data in CNV format	Binary data in CNV format			

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹			
								Definition range	Factory-set initial value					
^DF		Save label format	Saves the commands in the label format to the label format file.	Format	^DFd:o,x	d: Drive for storing the label format file	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^DF	Low			
												o: Label format file name	ASCII code within 8 characters	ASCII code within 8 characters
												x: Extension	x = FMT (Fixed)	x = FMT (Fixed)
~DG		Save graphic	Downloads a monochrome bitmap graphic to the printer.	Graphic	~DGd:o,x,s,w,data	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		~DG	Low			
												o: Graphic file name	ASCII code within 8 characters	ASCII code within 8 characters
												x: Extension	x = GRF (Fixed)	x = GRF (Fixed)
												s: Graphic data size [byte]	s > 0	s > 0
												w: Horizontal width [8 dots]	w > 0	w > 0
data: Graphic data	Hexadecimal character string	Hexadecimal character string												
~DN		Cancel graphic save	Cancels the graphic data download and restarts normal command analysis.	Graphic	~DN	None	None	None		~DN	High			
~DU		Save TrueType fonts	Downloads TrueType fonts to the printer.	Text	~DUd:o,x,s,data	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		~DU	Low			
												o: Character code conversion table file name	ASCII code within 8 characters	ASCII code within 8 characters
												x: Extension	x = FNT	x = FNT
												s: TrueType font data size [byte]	s > 0	s > 0
data: TrueType font data	Hexadecimal character string	Hexadecimal character string												

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
~DY		Save file	Downloads the graphic or font data to the printer.	Graphic	~DYd:o,f,x,t,w,data	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		~DY	Low
						o: File name	ASCII code within 8 characters	ASCII code within 8 characters			
						f: Data format	f = A/B/P A: ASCII/ZB64 B = binary P: PNG(ZB64)	f = A/B/P A: ASCII/ZB64 B = binary P: PNG(ZB64)			
						x: Extension type	x = E/G/P/T/BGD/UCL E: TTE G: GRF P: PNG T: TTF BGD: BGD UCL: UCL	x = E/G/P/T/BGD E: TTE G: GRF P: PNG T: TTF BGD: BGD			
						t: Graphic data size [byte]	t > 0	t > 0			
						w: Data size per line [byte]	w > 0	w > 0			
						data: Data	ASCII or binary (Varies based on Parameter f)	ASCII or binary (Varies based on Parameter f)			
^F(C		Field color settings	This command sets the color and opacity for the foreground and for the background of text or graphics.	Format	^F(Cr1,g1,b1,a1,i1,r2,g2,b2,a2,i2	r1: Foreground red component g1: Foreground green component b1: Foreground blue component	0 ≤ r1 ≤ 255 0 ≤ g1 ≤ 255 0 ≤ b1 ≤ 255	0 ≤ r1 ≤ 255 0 ≤ g1 ≤ 255 0 ≤ b1 ≤ 255			Low
						a1: Foreground opacity	0 ≤ a1 ≤ 255	0 ≤ a1 ≤ 255			
						i1: Foreground reversal specified/canceled	i1 = D/N/R D: Specified by "^FR"(field reverse)/ "ALR"(label reverse) N: Reversal canceled R: Reversal specified	i1 = D/N/R D: Specified by "^FR"(field reverse)/ "ALR"(label reverse) N: Reversal canceled R: Reversal specified			
						r2: Background red component g2: Background green component b2: Background blue component	0 ≤ r2 ≤ 255 0 ≤ g2 ≤ 255 0 ≤ b2 ≤ 255	0 ≤ r2 ≤ 255 0 ≤ g2 ≤ 255 0 ≤ b2 ≤ 255			
						a2: Background opacity	0 ≤ a2 ≤ 255	0 ≤ a2 ≤ 255			
						i2: Background reversal specified/canceled	i2 = D/N/R D: Specified by "^FR"(field reverse)/ "ALR"(label reverse) N: Reversal canceled R: Reversal specified	i2 = D/N/R D: Specified by "^FR"(field reverse)/ "ALR"(label reverse) N: Reversal canceled R: Reversal specified			

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^FB		Field block	Sets wrap for rendering character strings in the field.	Format	^FBw,l,s,j,h	w: Width of wrap [dot]	0 ≤ w ≤ 9999	0 ≤ w ≤ 9999		^FB	Low
						l: Maximum number of wrapped lines	1 ≤ l ≤ 9999	1 ≤ l ≤ 9999			
						s: Adjustment value for space between lines [dot]	-9999 ≤ s ≤ 9999	-9999 ≤ s ≤ 9999			
						j: Text justification	j = L/C/R/J L: Align left C: Align center R: Align right J: Justified (Final line aligned left)	j = L/C/R/J L: Align left C: Align center R: Align right J: Justified (Final line aligned left)			
^FC		Set clock identifier	Sets the identifier used when calling the date and time of the real-time clock in the field data.	Clock	^FCf,s,t	f: Primary clock identifier	1 character in ASCII code	1 character in ASCII code		^FC	Low
						s: Secondary clock identifier	1 character in ASCII code	1 character in ASCII code			
						t: Tertiary clock identifier	1 character in ASCII code	1 character in ASCII code			
^FD		Field data	Renders the field data to the field.	Format	^FDdata	data: Field data	Up to 3,072 bytes of ASCII code, excluding characters set for the prefix	Up to 3,072 bytes of ASCII code, excluding characters set for the prefix		^FD	Low
^FH		Set hexadecimal identifier	Sets the hexadecimal identifier to the field.	Format	^FHi	i: Hexadecimal identifier	1 character in ASCII code	1 character in ASCII code		^FH	Low
^FM		Multiple field origin locations in PDF417	Divides a PDF-417 or micro PDF-417 barcode and renders it at each specified coordinate.	Format	^FMx1,y1,x2,y2,...	x1: X coordinate of the 1st symbol [dot]	0 ≤ x1 ≤ 32000, x1 = e e: Remove from rendering target	0 ≤ x1 ≤ 32000, x1 = e e: Remove from rendering target		^FM	Low
						y1: Y coordinate of the 1st symbol [dot]	0 ≤ y1 ≤ 32000, y1 = e e: Remove from rendering target	0 ≤ y1 ≤ 32000, y1 = e e: Remove from rendering target			
						x2: X coordinate of the 2nd symbol [dot]	0 ≤ x2 ≤ 32000, x2 = e e: Remove from rendering target	0 ≤ x2 ≤ 32000, x2 = e e: Remove from rendering target			
						y2: Y coordinate of the 2nd symbol [dot]	0 ≤ y2 ≤ 32000, y2 = e e: Remove from rendering target	0 ≤ y2 ≤ 32000, y2 = e e: Remove from rendering target			
						...	(max 60pairs)	(max 60pairs)			
^FN		Field number	Allots a field number to the field.	Format	^FNn	n: Field number	0 ≤ n ≤ 9999	0 ≤ n ≤ 9999		^FN	Low
^FO		Field origin location	Sets the field origin location relative to the home position.	Format	^FOx,y,j	x: X coordinate of field origin on label [dot]	0 ≤ x ≤ 32000	0 ≤ x ≤ 32000		^FO	Low
						y: Y coordinate of field origin on label [dot]	0 ≤ y ≤ 32000	0 ≤ y ≤ 32000			
						j: Specifies field origin location	j = 0/1/2 0: Left 1: Right 2: Auto	j = 0/1/2 0: Left 1: Right 2: Auto			

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^FP		Set field text format	Sets the format for character string rendering in the current field.	Format	^FPd,s	d: Field character string rendering direction	d = H/V/R H: Horizontal (Left-to-right) V: Vertical (Top-to-bottom) R: Horizontal (Right-to-left)	d = H/V/R H: Horizontal (Left-to-right) V: Vertical (Top-to-bottom) R: Horizontal (Right-to-left)		^FP	Low
						s: Added amount of space between characters [dot]	0 ≤ s ≤ 9999	0 ≤ s ≤ 9999			
^FR		Set field reverse print	Sets monochrome reversal for field rendering.	Format	^FR	None	None	None		^FR	Low
^FS		Field separator	Ends the field definition.	Format	^FS	None	None	None		^FS	Low
^FT		Field origin location	Sets the field's rendering origin relative to the home position.	Format	^FTx,y,j	x: X coordinate of field rendering origin on label [dot]	0 ≤ x ≤ 32000	0 ≤ x ≤ 32000		^FT	Low
						y: Y coordinate of field rendering origin on label [dot]	0 ≤ y ≤ 32000	0 ≤ y ≤ 32000			
						j: Rendering origin in the field	j = 0/1/2 0: Left 1: Right 2: Auto	j = 0/1/2 0: Left 1: Right 2: Auto			
^FV		Field variable	Renders the field data to the field.	Format	^FVdata	data: Variable field data	Up to 3,072 bytes of ASCII code, excluding characters set for the prefix	Up to 3,072 bytes of ASCII code, excluding characters set for the prefix		^FV	Low
^FW		Set default field orientation	Sets the default field orientation and origin position.	Format	^FWo,j	o: Default field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^FW	Low
						j: Default field origin location	j = 0/1/2 0: Left 1: Right 2: Auto	j = 0/1/2 0: Left 1: Right 2: Auto			
^FX		Comment	Defines a character string that does not affect label format printing.	Miscellaneous	^FXdata	data: Comment character string	Up to 3,072 bytes of ASCII code, excluding characters set for the prefix	Up to 3,072 bytes of ASCII code, excluding characters set for the prefix		^FX	Low
^GB		Graphic box	Renders a rectangle to the field.	Graphic	^GBw,h,t,c,r	w: Rectangle width [dot]	1 ≤ w ≤ 32000	1 ≤ w ≤ 2551		^GB	Low
						h: Rectangle height [dot]	1 ≤ h ≤ 32000	1 ≤ h ≤ 14173			
						t: Outline thickness [dot]	1 ≤ t ≤ 32000	1 ≤ t ≤ 2551			
						c: Outline color	c = B/W B: Black (Color set if color is set to field) W: White	c = B/W B: Black (Color set if color is set to field) W: White			
						r: Size of corner rounding	0 ≤ r ≤ 8	0 ≤ r ≤ 8			

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^GC		Graphic circle	Renders a circle to the field.	Graphic	^GCd,t,c	d: Circle diameter [dot]	3 ≤ d ≤ 32000	3 ≤ d ≤ 2551		^GC	Low
						t: Outline thickness [dot]	2 ≤ t ≤ 32000	2 ≤ t ≤ 2551			
						c: Outline color	c = B/W B: Black (Color set if color is set to field) W: White	c = B/W B: Black (Color set if color is set to field) W: White			
^GD		Graphic diagonal line	Renders a diagonal line to the field.	Graphic	^GDw,h,t,c,d	w: Diagonal line width [dot]	3 ≤ w ≤ 32000	3 ≤ w ≤ 2551		^GD	Low
						h: Diagonal line height [dot]	3 ≤ h ≤ 32000	3 ≤ h ≤ 14173			
						t: Diagonal line thickness [dot]	1 ≤ t ≤ 32000	1 ≤ t ≤ 2551			
						c: Diagonal line color	c = B/W B: Black (Color set if color is set to field) W: White	c = B/W B: Black (Color set if color is set to field) W: White			
						d: Diagonal line orientation	d = R/L/</>/</> R, </>: Top-right to bottom-left L, </>: Top-left to bottom-right	d = R/L/</>/</> R, </>: Top-right to bottom-left L, </>: Top-left to bottom-right			
^GE		Graphic ellipse	Renders an ellipse to the field.	Graphic	^GEw,h,t,c	w: Ellipse width [dot]	3 ≤ w ≤ 32000	3 ≤ w ≤ 2551		^GE	Low
						h: Ellipse height [dot]	3 ≤ h ≤ 32000	3 ≤ h ≤ 14173			
						t: Outline thickness [dot]	2 ≤ t ≤ 32000	2 ≤ t ≤ 2551			
						c: Outline color	c = B/W B: Black (Color set if color is set to field) W: White	c = B/W B: Black (Color set if color is set to field) W: White			
^GF		Bitmap graphic	Renders the black and white bitmap graphic to the field.	Graphic	^GFf,t,s,w,data	f: Data format	f = A/B/C A: Hexadecimal character string B: Binary C: Compressed binary	f = A/B/C A: Hexadecimal character string B: Binary C: Compressed binary		^GF	Low
						t: Graphic data size [byte]	0 ≤ t ≤ 9999999	0 ≤ t ≤ 4521187			
						s: Graphic size [byte]	0 ≤ s ≤ 9999999	0 ≤ s ≤ 4521187			
						w: Horizontal width (Number of horizontal dots, divided by 8. Fractions are cut off.)	0 ≤ w ≤ 9999999	0 ≤ w ≤ 4521187			
						data: Graphic data	Hexadecimal character string or binary (Specified in Parameter f)	Hexadecimal character string or binary (Specified in Parameter f)			
^GS		Special font	Sets a symbol mark to the field.	Graphic	^GSo,h,w	o: Field orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^GS	Low
						h: Character height [dot]	0 ≤ h ≤ 32000	0 ≤ h ≤ 9999			
						w: Character width [dot]	0 ≤ w ≤ 32000	0 ≤ w ≤ 9999			
~H(C	BB	Transmit barcode information	Transmits information related to barcode size.	Barcode	~H(CBB,b	b=M: Default value of magnification	None	None			High
~H(C	BW	Send bar width correction value	Sends the bar width correction value applied when printing barcodes.	Barcode	~H(CBW,b	b=C: Bar width correction value [dot]	None	None			High

Command List of the Alphabetical Order

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Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
~H(C	CA	Send an alias for the drive	Sends an alias for the drive.	Miscellaneous	~H(CCA,b	b=A: Alias for the drive A	None	None			High
						b=B: Alias for the drive B	None	None			
						b=E: Alias for the drive E	None	None			
						b=R: Alias for the drive R	None	None			
~H(C	FE	Send valid character code conversion table	This command sends the file name of the character code conversion table file that links the designated character code with the character code that makes up the font.	Text	~H(CFE,b	b=T: File name of the valid character code conversion table	None	None			High
~H(C	LB	Send background image setting file name	This command sends the setting file name which specify the image file for the background image loaded in the overlay function.	Graphic	~H(CLB,b	b=I: Background image setting file	None	None			High
~H(C	LE	Send paper edge adjustment	Sends the adjustment value for paper edge (left edge or leading edge) position.	Media configuration	~H(CLE,b	b=L: Logical label left edge position adjustment [dot]	None	None			High
						b=M: Physical label left edge position adjustment [dot]	None	None			
						b=T: Physical label leading edge position adjustment [dot]	None	None			
~H(C	LM	Send media type	Sends media type (label edge detection, media form, media source, media shape, or media coating type).	Media configuration	~H(CLM,b	b=D: Label edge detection	None	None			High
						b=F: Media form	None	None			
						b=P: Media source	None	None			
						b=S: Media shape	None	None			
						b=T: Media coating type	None	None			
~H(C	LP	Send paper feeding adjustment	Sends paper feed amount, or cut position adjustment.	Media configuration	~H(CLP,b	b=M: Paper feed adjustment [dot]	None	None			High
						b=O: Cut position adjustment [dot]	None	None			
~H(C	LR	Send resolution settings	Sends resolution settings (printing, rendering, or rendering of background image loaded with the overlay function).	Printer setting	~H(CLR,b	b=B: Background image rendering resolution [dot]	None	None			High
						b=M: Print resolution magnification	None	None			
						b=P: Print resolution [dot]	None	None			
						b=R: Format base in dots per inch [dot]	None	None			
~H(C	LS	Send media setting	Sends media layout (left gap, label length, or label width).	Media configuration	~H(CLS,b	b=G: Left gap [dot]	None	None			High
						b=L: Label length [dot]	None	None			
						b=P: Label width [dot]	None	None			
~H(C	LW	Send margins	Send label margins (top, bottom, left, or right).	Media configuration	~H(CLW,b	b=B: Bottom margin [dot]	None	None			High
						b=L: Left margin [dot]	None	None			
						b=R: Right margin [dot]	None	None			
						b=T: Top margin [dot]	None	None			
~H(C	MF	Send feed operation	Sends the media feed sequence setting when the power is turned on or the media is changed.	Printer setting	~H(CMF,b	b=H: Operation at change media	None	None			High
						b=P: Operation at power on	None	None			

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹						
								Definition range	Factory-set initial value								
~H(C	MN	Send nozzle clogging recovery enabled/disabled	This command sends whether the automatic nozzle clogging recovery function is enabled/disabled.	Printer setting	~H(CMN,b	b=S: Enable/disable nozzle clogging recovery	None	None			High						
~H(C	MP	Send print operation mode settings	Sends print operation settings (flush onto paper mode, print operation mode, print speed, or basic printer unit system).	Printer setting	~H(CMP,b	b=F: Flush onto paper mode	None	None			High						
						b=M: Print operation mode	None	None									
						b=S: Print speed	None	None									
						b=U: Basic printer unit system	None	None									
~H(C	MT	Send auto cleaning on designated time setting	Sends settings for auto cleaning on designated time (enable/disable auto cleaning on designated time or time to start auto cleaning).	Printer setting	~H(CMT,b	b=S: Enable/disable auto cleaning on designated time	None	None		High							
						b=T: Time to start auto cleaning	None	None									
~H(C	MV	Send nozzle self-test setting	Sends nozzle self-test operation settings (permitted clogged nozzle number, self-test interval in printing (number of labels), operation at clogged nozzle detection, or enable/disable nozzle self-test).	Printer setting	~H(CMV,b	b=C: Permitted clogged nozzle number	None	None		High							
						b=I: Self-test interval in printing (number of labels)	None	None									
						b=O: Operation at clogged nozzle detection	None	None									
						b=S: Enable/disable nozzle self-test	None	None									
~H(C	PC	Send image correction settings	Sends correction settings for image to be printed (banding reduction, color correction mode, ink profile and brightness adjustment, enable/disable feather edge function, or ratio of black to composite).	Printer setting	~H(CPC,b	b=B: Banding reduction	None	None		High							
						b=C: Color correction mode.	None	None									
						b=D: Ink profile and brightness adjustment	None	None									
						b=E: Enable/disable feather edge function	None	None									
~H(C	SL	Send LED notification setting at ink cartridge low	This command sends whether to use the LED to notify the user that ink cartridge low is occurred.	Control panel	~H(CSL,b	b=N: LED notification setting at Inkcartridge low	None	None		High							
						~H(C	UB	Send buzzer setting	Sends the buzzer settings for printing operations or the volume level.		Printer setting	~H(CUB,b	b=S: Buzzer timing	None	None	High	
													b=Z: Buzzer volume	None	None		
													~H(C	UI	Send enable/disable buttons		Sends enable/disable buttons.
b=C: Enable/disable cut button	None	None															
b=F: Enable/disable feed button	None	None															
b=P: Enable/disable pause button	None	None															

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
~H(C	UL	Send panel settings	Sends panel settings (LCD brightness, LCD contrast, or panel language).	Control panel	~H(CUL,b	b=B: LCD brightness	None	None			High
						b=C: LCD contrast	None	None			
						b=L: Panel language	None	None			
~H(C	WR	Send error reprinting setting	This command sends the setting for the function to reprint label printing that was stopped due to an error mid-printing.	Configuration	~H(CWR,b	b=P: Set/cancel error reprinting function	None	None			High
~H(I	MF	Send firmware version	Sends the firmware version or font version.	Status	~H(IMF,b	b=C: Built in font version	None	None			High
						b=V: Firmware version	None	None			
~H(I	MP	Send printer individual information	This command sends the printer individual information.	Status	~H(IMP,b	b=S: Serial number	None	None			High
~H(Q	IQ	Send remaining ink	Sends the remaining ink for all colors in the printer.	Status	~H(QIQ	None	None	None			High
~H(Q	MN	Send available capacity in maintenance box	Sends the available capacity in the maintenance box.	Status	~H(QMN	None	None	None			High
~H(Q	WN	Send warnings	Sends all types of warnings that occurred at the point in time when the printer received the command.	Status	~H(QWN	None	None	None			High
~H(S	CM	Send maintenance counter	Sends maintenance counter value to the host.	Status	~H(SCM,b	b=C: Auto cutter counter	None	None			High
						b=O: Operating time (hour)	None	None			
~H(S	CN	Send non-resettable counter	Sends non-resettable counter value to the host.	Status	~H(SCN,b	b=C: Non-resettable counter (centimeter)	None	None			High
						b=I: Non-resettable counter (inch)	None	None			
						b=L: Non-resettable counter (printed label number)	None	None			
~H(S	DS	Send available capacity in the drive	Sends the available capacity in the drive accessible by the user.	Status	~H(SDS,b	b=A: Available capacity in drive A	None	None			High
						b=B: Available capacity in drive B	None	None			
						b=E: Available capacity in drive E	None	None			
						b=R: Available capacity in drive R	None	None			
~H(S	EA	Send error status	This command sends the error status (error name).	Status	~H(SEA,b	b=E: Error status	None	None			High
						b=F: Fatal error status	None	None			
~H(S	MA	Send printer operation status	Sends the printer operation status.	Status	~H(SMA,b	b=S: Printer operation status	None	None			High
~H(S	PA	Send print stopping status	Sends the status in which factors that stop printing occurred.	Status	~H(SPA,b	b=C: Cover open status	None	None			High
						b=O: Panel operation waiting status	None	None			
						b=P: Paper out status	None	None			
						b=S: Pause status	None	None			
~H(S	PB	Send buffer full status	Sends the buffer full status.	Status	~H(SPB,b	b=F: Buffer full status	None	None			High

Command List of the Alphabetical Order

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Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹			
								Definition range	Factory-set initial value					
^HF		Transmit label format file	Transmits the label format file data to the host.	Format	^HFd: o:x	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^HF	Low			
												o: File name	ASCII code within 8 characters	ASCII code within 8 characters
												x: Extension	x = FMT (Fixed)	x = FMT (Fixed)
^HG		Transmit bitmap file	Transmits the data of the black and white raster graphic file to the host.	Graphic	^HGd: o:x	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^HG	Low			
												o: File name	ASCII code within 8 characters	ASCII code within 8 characters
												x: Extension	x = GRF (Fixed)	x = GRF (Fixed)
^HH		Transmit label configuration	Transmits the label configuration to the host.	Status	^HH	None	None	None		^HH	Low			
~HI		Transmit identification	Sends the printer status to the host.	Status	~HI	None	None	None		~HI	High			
~HM		Transmit RAM capacity	Transmits the printer's RAM capacity to the host.	Status	~HM	None	None	None		~HM	High			
~HS		Transmit printer status	Transmits the printer status to the host.	Status	~HS	None	None	None		~HS	High			
^HW		Transmit directory list	Transmits the file information saved on the target drive to the host in list format.	Status	^HWd:o,x,f	d: Target drive	d = R/E/B/A/Z R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory Z: Non-rewritable memory	d = R/E/B/A/Z R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory Z: Non-rewritable memory		^HW	Low			
												o: File name	ASCII code within 8 characters Wild card (Asterisk <*>)	ASCII code within 8 characters Wild card (Asterisk <*>)
												x: Extension	All extensions Wild card (Asterisk <*>)	All extensions Wild card (Asterisk <*>)
												f:Format	f = c/d c: Column mode d: Basic mode	f = c/d c: Column mode d: Basic mode
^HY		Transmit files	Transmits the data of the graphic file to the host.	Graphic	^HYd:o,x	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^HY	Low			
												o: File name	1- to 8-character ASCII string	1- to 8-character ASCII string
												x: Extension	ZB64-format transmission: G/P G: GRF P: PNG	ZB64-format transmission: G/P G: GRF P: PNG

Command List of the Alphabetical Order

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Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^ID		Delete files	Deletes files stored in the memory device.	Miscellaneous	^IDd:o.x	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^ID	Low
						o: File name	ASCII code within 8 characters Wild card (Asterisk <*>)	ASCII code within 8 characters Wild card (Asterisk <*>)			
						x: Extension	All extensions Wild card (Asterisk <*>)	All extensions Wild card (Asterisk <*>)			
^IL		Draw graphic file	Renders the graphic file to the label format.	Graphic	^ILd:o.x	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^IL	Low
						o: File name	ASCII code within 8 characters	ASCII code within 8 characters			
						x: Extension	x = GRF/PNG	x = GRF/PNG			
^IM		Draw graphic file with position	Renders the graphic file to the field.	Graphic	^IMd:o.x	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^IM	Low
						o: File name	ASCII code within 8 characters	ASCII code within 8 characters			
						x: Extension	x = GRF/PNG	x = GRF/PNG			
^IS		Save drawing canvas	Saves the drawing canvas when ending the label format with "^XZ".	Graphic	^ISd:o.x.p	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^IS	Low
						o: File name	ASCII code within 8 characters	ASCII code within 8 characters			
						x: Extension	x = GRF/PNG	x = GRF/PNG			
						p: Print after saving print image	p = Y /N Y: Print N: Do not print	p = Y /N Y: Print N: Do not print			
~J(C		Execute cleaning	This command executes head cleaning.	Printer control	~J(C	None	None	None			High
~JA		Cancel all formats	Deletes all label formats in the printer.	Printer control	~JA	None	None	None		~JA	High
^JB		Initialize drive	Initializes the target drive.	Miscellaneous	^JBd	d: Target drive	d = E/B/A E: Non-volatile memory B: Optional memory A: Optional memory	d = E E: Non-volatile memory		^JB	Low
~JC		Media calibration	Calibrates the media.	Printer setting	~JC	None	None	None		~JC	High

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Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^JM		Set resolution magnification	Sets the print resolution magnification for the label format.	Printer setting	^JMd	d: Print resolution magnification	d = A/B A: Normal resolution B: Low resolution	d = A/B A: Normal resolution B: Low resolution		^JM	Low
~JP		Pause and cancel format	Deletes the oldest label format among those not finished printing, and transitions to the paused status.	Printer control	~JP	None	None	None		~JP	High
~JR		Soft reset	Resets the printer.	Printer control	~JR	None	None	None		~JR	High
^JU		Update non-volatile configuration	Initializes or saves to non-volatile memory the printer configuration.	Printer setting	^JUf	f: Save or read out configuration	f = F/N/R/S F: Initialize printer configuration to factory default N: Initialize transmission configuration to factory default R: Initialize printer configuration to latest configuration saved to non-volatile memory S: Save current printer configuration to non-volatile memory	f = F/R/S F: Initialize printer configuration to factory default R: Initialize printer configuration to latest configuration saved to non-volatile memory S: Save current printer configuration to non-volatile memory		^JU	Low
~JX		Cancel label format definition	Deletes label formats still being defined.	Printer control	~JX	None	None	None		~JX	Low
^JZ		Set reprint after error	Enables/disables reprinting for labels where printing was canceled due to an error.	Printer setting	^JZe	e: Enable/disable error reprinting function	e = Y/N Y: Enabled N: Disabled	e = Y/N Y: Enabled N: Disabled		^JZ	Low
^KL		Set panel language	Sets the language used to display the panel information.	Control panel	^KLI	l: Set panel language	l = 1: English 2: Spanish 3: French 4: German 5: Italian 7: Portuguese 11: Dutch 13: Japanese 14: Korean 15: Simplified Chinese 16: Traditional Chinese 17: Russian 18: Polish 100: Greek 101: Turkish	l = 1: English 2: Spanish 3: French 4: German 5: Italian 7: Portuguese 11: Dutch 13: Japanese		^KL	Low
^LH		Set label home position	Sets the home position, which is the basis for the print position.	Format	^LHx,y	x: Home position x coordinate [dot] y: Home position y coordinate [dot]	0 ≤ x ≤ 32000 0 ≤ y ≤ 32000	0 ≤ x ≤ 32000 0 ≤ y ≤ 32000		^LH	Low
^LR		Set monochrome reverse print	Sets reversed printing for the whole label.	Format	^LRe	e: Set/cancel label reverse print	e = Y/N Y: Set N: Cancel	e = Y/N Y: Set N: Cancel		^LR	Low
^LS		Shift horizontal position	Sets the amount to adjust the position of the label's left edge.	Media configuration	^LSl	l: Label left edge position adjustment [dot]	-9999 ≤ l ≤ 9999	-2551 ≤ l ≤ 2551		^LS	Low

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Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^LT		Shift vertical position	Sets the amount to adjust the position of the label's leading edge.	Media configuration	^LTd	d: Label leading edge position adjustment [dot]	-9999 ≤ d ≤ 9999	-48 ≤ d ≤ 48		^LT	Low
^MC		Set drawing deletion after print	Sets deletion for the drawing canvas after printing.	Format	^MCe	e: Set/cancel drawing canvas deletion	e = Y/N Y: Set N: Cancel	e = Y/N Y: Set N: Cancel		^MC	Low
^MF		Set recover operation	Sets the operation for when turning the power on and when changing the media.	Printer setting	^MFo,s	o: Power on operation	o = C/F/L/N/S C: Calibration F: Feed L: Measure media length N: No feed S: Short calibration	o = F/N/S F: Feed N: No feed S: Calibration *TM-C7500 performs calibration with "S".		^MF	Low
						s: Media change operation	s = C/F/L/N/S C: Calibration F: Feed L: Measure media length N: No feed S: Short calibration	s = F/N/S F: Feed N: No feed S: Calibration *TM-C7500 performs calibration with "S".			
^MM		Set print mode	Sets the printer operation for when printing is completed.	Printer setting	^MMm	m: Print mode	m = T/P/R/A/C T: No cutting P: Manual peeling and application R: Rewind A: Automatic peeling and application C: Cutting performed	m = T/C T: No cutting C: Cutting performed		^MM	Low
^MN		Set label edge detection	Sets the label edge detection method.	Media configuration	^MNs	s: Label edge detection	s = N/Y/W/M N: Continuous paper (Does not detect label edge) Y, W: Gap detection M: Black mark detection	s = N/Y/W/M N: Continuous paper (Does not detect label edge) Y, W: Gap detection M: Black mark detection		^MN	Low
^MP		Enable/disable button	Enables/disables buttons.	Control panel	^MPo	o: Disabled button	o = W/F/X/M/S/E W: Disable pause button F: Disable feed button X: Disable cancel button M: Disable menu button S: Disable all buttons E: Enable all buttons	o = W/F/X/S/E W: Disable pause button F: Disable feed button X: Disable cancel button S: Disable all buttons E: Enable all buttons		^MP	Low
^MU		Set units of measurement	Sets the unit for specifying the rendering position and size.	Printer setting	^MUu,i,o	u: Basic printer unit system	u = D/I/M D: Dots I: Inches M: Millimeters	u = D/I/M D: Dots I: Inches M: Millimeters		^MU	Low
						i: Rendering resolution [dpi]	i = 150/200/300/600	i = 150/200/300/600			
						o: Print resolution [dpi]	o = 300/600	o = 300/600			
^PH		Feed to home position	Feeds paper for 1 label.	Printer control	^PH	None	None	None		^PH	Low
~PH		Feed to home position	Feeds paper for 1 label.	Printer control	~PH	None	None	None		~PH	High

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								Definition range	Factory-set initial value		
^PM		Set mirror image print	Sets/cancels mirror image print.	Format	^PMe	e: Set/cancel mirror image print	e = Y/N Y: Set N: Cancel	e = Y/N Y: Set N: Cancel		^PM	Low
^PO		Set 180° rotation print	Sets 180° rotation print.	Format	^POe	e: Set/cancel 180° rotation printing	e = N/I N: Cancel I: Set	e = N/I N: Cancel I: Set		^PO	Low
^PP		Paused	Transitions the printer to the paused status.	Printer control	^PP	None	None	None		^PP	Low
~PP		Paused	Transitions the printer to the paused status.	Printer control	~PP	None	None	None		~PP	High
^PQ		Set print quantity	Sets the print quantity for the label format.	Printer setting	^PQt,i,c,p	t: Total print quantity	1 ≤ t ≤ 99,999,999	1 ≤ t ≤ 99,999,999		^PQ	Low
						i: Printer interval for pause and cut	0 ≤ i ≤ 99,999,999	0 ≤ i ≤ 99,999,999			
						c: Serialized label print quantity	0 ≤ c ≤ 99,999,999	0 ≤ c ≤ 99,999,999			
						p: Set/cancel pause suppression	p = Y/N Y: Set N: Cancel	p = Y/N Y: Set N: Cancel			
~PS		Cancel pause	Cancels the printer's paused status.	Printer control	~PS	None	None	None		~PS	High
~RO		Reset counters	Resets a counter.	Miscellaneous	~ROc	c: Counter to be reset	c = 1/2 1: Counter 1 2: Counter 2	c = 1/2 1: Counter 1 2: Counter 2		~RO	High
^S(C	BB	Set barcode size	Sets barcode size.	Barcode	^S(CBB,b,c	b=M: Default value of magnification	1 ≤ c ≤ 20	1 ≤ c ≤ 20	None		Low
^S(C	BW	Set barcode bar width correction value	This command sets the bar width correction value that is used when printing barcodes.	Barcode	^S(CBW,b,c	b=C: Bar width correction value [dot]	-9999 ≤ c ≤ 9999	-2 ≤ c ≤ 2	0		Low
^S(C	CA	Set an alias for the drive	Sets an alias for the drive.	Miscellaneous	^S(CCA,b,c	b=A: Alias for the drive A	c=A/B/E/R A: Optional memory B: Optional memory E: Non-volatile memory R: Volatile memory	c=E/R E: Non-volatile memory R: Volatile memory	E	^CM	Low
						b=B: Alias for the drive B	c=A/B/E/R	c=E/R	E		
						b=E: Alias for the drive E	c=A/B/E/R	c=E/R	E		
						b=R: Alias for the drive R	c=A/B/E/R	c=E/R	R		
^S(C	FE	Set valid character code conversion table	This command sets the character code conversion table file which relate the character code to the font data.	Text	^S(CFE,b,c	b=T: File name of the valid character code conversion table	c=d: o,x d = A/B/E/R/Z o = ASCII code within 8 characters x = CNV	c=d: o,x d = A/B/E/R/Z o = ASCII code within 8 characters x = CNV	None		Low
^S(C	LB	Set background image setting file	This command sets the setting file to specify the image file for the background image loaded in the overlay function.	Graphic	^S(CLB,b,c	b=I: Background image setting file	c=d: o,x d = A/B/E/R/Z o = ASCII code within 8 characters x = BGD/PNG	c=d: o,x d = A/B/E/R/Z o = ASCII code within 8 characters x = BGD/PNG	None		Low

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								Definition range	Factory-set initial value		
^S(C	LE	Set paper edge adjustment	Sets the paper edge (left edge or leading edge) position adjustment.	Media configuration	^S(CLE,b,c	b=L: Logical label left edge position adjustment [dot]	-9999 ≤ c ≤ 9999	-2551 ≤ c ≤ 2551	0	^LS	Low
						b=M: Physical label left edge position adjustment [dot]	-9999 ≤ c ≤ 9999	-24 ≤ c ≤ 24	0		
						b=T: Physical label leading edge position adjustment [dot]	-9999 ≤ c ≤ 9999	-48 ≤ c ≤ 48	0	^LT	
^S(C	LM	Select media type	Selects media type (label edge detection, media form, media source, media shape, or media coating type).	Media configuration	^S(CLM,b,c	b=D: Label edge detection	c=M/W/N M: Black mark detection W: Gap detection N: No detection	c=M/W/N M: Black mark detection W: Gap detection N: No detection	W		^MN
						b=F: Media form	c = CP/DL/CL CP: continuous paper DL: die-cut label CL: continuous label	c = DL/CL DL: die-cut label CL: continuous label	DL		
						b=P: Media source	c = IR/ER IR: Internal roll ER: External feed	c = IR/ER IR: Internal roll ER: External feed	IR		
						b=S: Media shape	c = RP/FP RP: Roll paper FP: Fanfold paper	c = RP/FP RP: Roll paper FP: Fanfold paper	RP		
						b=T: Media coating type	c= P1/P2/P3: Plain Paper M1/ M2 M3: Matte Paper S1/S2/S3: Synthetic G1/G2/G3: Glossy Paper GS1/GS2/GS3: Glossy Film PG1/PG2/PG3: High Glossy Paper	c= P1:Plain Paper M1: Matte Paper1 M2: Matte Paper2 S1: Synthetic G1: Glossy Paper	M2		
^S(C	LP	Set paper feeding adjustment	Sets paper feed amount, or cut position adjustment.	Media configuration	^S(CLP,b,c	b=M: Paper feed adjustment [dot]	-99 ≤ c ≤ 99	-99 ≤ c ≤ 99	0	~TA	Low
						b=O: Cut position adjustment [dot]	-255 ≤ c ≤ 255	-35 ≤ c ≤ 35	0		
^S(C	LR	Set resolution	Sets resolution(printing, rendering, or rendering of background image loaded with the overlay function).	Printer setting	^S(CLR,b,c	b=B: Background image rendering resolution [dpi]	c = 200/300/600	c = 200/300/600	600	^JM	Low
						b=M: Print resolution magnification	c = A/B A: Normal resolution B: Low resolution	c = A/B A: Normal resolution B: Low resolution	A		
						b=P: Print resolution [dpi]	c = 200/300/600	c = 200/300/600	600	^MU	
						b=R: Format base in dots per inch [dpi]	c = 150/ 200/300/600	c = 200/300/600	600		
						b=Z: Print resolution of replaced printer [dpi]	c = 200/300/600	c = 200/300/600	600		
^S(C	LS	Set media	Sends media layout (left gap, label length, or label width).	Media configuration	^S(CLS,b,c	b=G: Left gap [dot]	0 ≤ c ≤ 9999	24 ≤ c ≤ 2551	47		Low
						b=L: Label length [dot]	0 ≤ c ≤ 99999	600 ≤ c ≤ 14173	3608		
						b=P: Label width [dot]	0 ≤ c ≤ 9999	0 ≤ c ≤ 2551	2551		
^S(C	LW	Set margins	Set label margins (top, bottom, left, or right).	Media configuration	^S(CLW,b,c	b=B: Bottom margin [dot]	0 ≤ c ≤ 9999	c = 0 / 35	35		Low
						b=L: Left margin [dot]	0 ≤ c ≤ 9999	c = 0 / 35	35		
						b=R: Right margin [dot]	0 ≤ c ≤ 9999	c = 0 / 35	35		
						b=T: Top margin [dot]	0 ≤ c ≤ 9999	c = 0 / 35	35		

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								Definition range	Factory-set initial value		
^S(C	MF	Set feed operation	Sets the media feed sequence when the power is turned on or the media is changed.	Printer setting	^S(CMF,b,c	b=H: Operation at change media	c = C/F/L/N/S C: Calibration F: Feed L: Measure media length N: No feed S: Short calibration	c = F/N/S F: Feed N: No feed S: Calibration *TM-C7500 performs calibration with "S".	F	^AMF	Low
						b=P: Operation at power on	c = C/F/L/N/S C: Calibration F: Feed L: Measure media length N: No feed S: Short calibration	c = F/N/S F: Feed N: No feed S: Calibration *TM-C7500 performs calibration with "S".	F		
^S(C	MN	Enable/disable nozzle clogging recovery function	This command sets whether the automatic nozzle clogging recovery function is enabled/disabled.	Printer setting	^S(CMN,b,c	b=S: Enable/disable nozzle clogging recovery	c = E/D E: Enabled D: Disabled	c = E/D E: Enabled D: Disabled	E		Low
^S(C	MP	Set print operation mode	Sets print operations (flush onto paper mode, print operation mode, print speed, or basic printer unit system).	Printer setting	^S(CMP,b,c	b=F: flush onto paper mode	c = 1/2 1: min.dot 2: max.cot	c = 1/2 1: min.dot 2: max.cot	1	^AMM	Low
						b=M: Print operation mode	c = T/P/R/A/C/D/F/L/U/K T: No cutting P: Manual peeling and application R: Rewind A: Automatic peeling and application C: Cutting performed D/F/L/U/K: Reserved	c = T/C T: No cutting C: Cutting performed	T		
						b=S: Print speed	c = 1/2/3/4/5/6/8/9/10/11/12/13/14 1:25.4 [mm/sec] 2:50.8 [mm/sec] 3:76.2 [mm/sec] 4:101.6 [mm/sec] 5:127 [mm/sec] 6:152.4 [mm/sec] 8:203.2 [mm/sec] 9:220.5 [mm/sec] 10:245 [mm/sec] 11:269.5 [mm/sec] 12:304.8 [mm/sec] 13:330.2 [mm/sec] 14:355.6 [mm/sec]	c = 6/12 6:152.4 [mm/sec] 12:304.8 [mm/sec]	12		
						b=U: Basic printer unit system	c = D/I/M D: Dots I: Inches M: Millimeters	c = D/I/M D: Dots I: Inches M: Millimeters	D		

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^S(C	MT	Set auto cleaning on designated time	Sets auto cleaning on designated time (enable/disable auto cleaning on designated time or time to start auto cleaning).	Printer setting	^S(CMT,b,c	b=S: Enable/disable auto cleaning on designated time	c = E/D E: Enabled D: Disabled	c = E/D E: Enabled D: Disabled	D		Low
						b=T: Time to start auto cleaning	c = hh:mm hh & mm are number within two digits hh = 00 to 23 mm = 00 to 59	c = hh:mm hh & mm are number within two digits hh = 00 to 23 mm = 00 to 59	00:00		
^S(C	MV	Set nozzle self-test operation	Sets nozzle self-test operations (permitted clogged nozzle number, self-test interval in printing (number of labels), operation at clogged nozzle detection, or enable/disable nozzle self-test).	Printer setting	^S(CMV,b,c	b=C: Permitted clogged nozzle number	0 ≤ c ≤ 9999	0 ≤ c ≤ 10	6		Low
						b=I: Self-test interval in printing (number of labels)	0 ≤ c ≤ 99999999 0: Job separator only	0 ≤ c ≤ 500 0: Job separator only	0		
						b=O: Operation at clogged nozzle detection	c = C/N C: Continue printing N: Notify	c = C/N C: Continue printing N: Notify	C		
						b=S: Enable/disable nozzle self-test	c = E/D E: Enabled D: Disabled	c = E/D E: Enabled D: Disabled	E		
^S(C	PC	Set image correction	Sets correction for image to be printed (banding reduction, color correction mode, ink profile and brightness adjustment, enable/disable feather edge function, or ratio of black to composite).	Printer setting	^S(CPC,b,c	b=B: Banding reduction	-9999 ≤ c ≤ 9999	-2 ≤ c ≤ 2	0		Low
						b=C: Color correction mode	c = ASCII, 1 character	c = N/E N: preferred color E: EPSON standard	N		
						b=D: Ink profile and brightness adjustment	-9999 ≤ c ≤ 9999	-6 ≤ c ≤ 4	0		
						b=E: Enable/disable feather edge function	c = E/D E: Enabled D: Disabled	c = E/D E: Enabled D: Disabled	D		
						b=P: Ratio of black to composite	-9999 ≤ c ≤ 9999	-6 ≤ c ≤ 4	0		
^S(C	SL	Set LED notification setting at ink cartridge low	This command sets whether to use the LED to notify the user that ink cartridge low is occurred.	Control panel	^S(CSL,b,c	b=N: LED notification setting at Inkcartridge low	c = E/D E: Enabled D: Disabled	c = E/D E: Enabled D: Disabled	E		Low
^S(C	UB	Set buzzer	Sets the buzzer settings for printing operations or the volume level.	Printer setting	^S(CUB,b,c	b=S: Buzzer timing	c = N/E/L N: None E: Each label L: Last label	c = N/L N: None L: Last label	None		Low
						b=Z: Buzzer volume	c = N/S/M/L/X N: OFF S: Soft M: Medium L: Loud X: Max	c = N/S/M/L/X N: OFF S: Soft M: Medium L: Loud X: Max	M		

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^S(C	UI	Enable/disable button	Enables/disables buttons.	Control panel	^S(CUI),b,c	b=B: Enable/disable cancel button	c = E/D E: Enabled D: Disabled	c = E/D E: Enabled D: Disabled	E	^AMP	Low
						b=C: Enable/disable cut button	c = E/D E: Enabled D: Disabled	c = E/D E: Enabled D: Disabled	E		
						b=F: Enable/disable feed button	c = E/D E: Enabled D: Disabled	c = E/D E: Enabled D: Disabled	E		
						b=P: Enable/disable pause button	c = E/D E: Enabled D: Disabled	c = E/D E: Enabled D: Disabled	E		
^S(C	UL	Set panel	Sets panel (LCD brightness, LCD contrast, or panel language).	Control panel	^S(CUL),b,c	b=B: LCD brightness	0 ≤ c ≤ 9	0 ≤ c ≤ 3	2	^KLM	Low
						b=C: LCD contrast	0 ≤ c ≤ 99	0 ≤ c ≤ 10	5		
						b=L: Panel language	c = 1: English 2: Spanish 3: French 4: German 5: Italian 7: Portuguese 11: Dutch 13: Japanese 14: Korean 15: Simplified Chinese 16: Traditional Chinese 17: Russian 18: Polish 100: Greek 101: Turkish	c = 1: English 2: Spanish 3: French 4: German 5: Italian 7: Portuguese 11: Dutch 13: Japanese	Depends on the destination		
^S(C	WR	Set/cancel error reprinting function	This command sets whether to set the function to reprint label printing that was stopped due to an error mid-printing.	Configuration	^S(CWR),b,c	b=P: Set/cancel error reprinting function	c = Y/N Y: Set N: Cancel	N	^JZ	Low	
^SE		Select character code conversion table	Sets a valid character code conversion table.	Text	^SEd:ox	d: Storage drive	d = R/E/B/A/Z R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory Z: Non-rewritable memory	d = R/E/B/A/Z R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory Z: Non-rewritable memory		^SE	Low
						o: Character code conversion table file name	ASCII code within 8 characters	ASCII code within 8 characters			
						x: Extension	x = CNV (Fixed)	x = CNV (Fixed)			

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^SF		Serialization field	Sets the serialization field.	Format	^SFt,i	t: Character string for serialization	t = Character string comprised of D/H/O/A/N/% D: Decimal H: Hexadecimal O: Octal A: Letters of the alphabet N: Alphanumeric %: Character to be ignored	t = Character string comprised of D/H/O/A/N/% D: Decimal H: Hexadecimal O: Octal A: Letters of the alphabet N: Alphanumeric		^SF	Low
						i: Increment	Numerals or letters of the alphabet	Numerals or letters of the alphabet			
^SL		Set date and time print	Sets the language for the date and time and the timing to use for the date and time to be rendered to the label.	Clock	^SLt,l	t: Timing to be set to date and time	t = S S: When the label format starts	t = S S: When the label format starts		^SL	Low
						l: Language to print date and time in	1 ≤ l ≤ 18 1 = English 2 = Spanish 3 = French 4 = German 5 = Italian 6 = Norwegian 7 = Portuguese 8 = Swedish 9 = Danish 10 = Spanish 2 11 = Dutch 12 = Finnish 13 = Japanese 14 = Korean 15 = Simplified Chinese 16 = Traditional Chinese 17 = Russian 18 = Polish	1 ≤ l ≤ 18 1 = English 2 = Spanish 3 = French 4 = German 5 = Italian 6 = Norwegian 7 = Portuguese 8 = Swedish 9 = Danish 10 = Spanish 2 11 = Dutch 12 = Finnish 13 = Japanese 14 = Korean 15 = Simplified Chinese 16 = Traditional Chinese 17 = Russian 18 = Polish			
^SN		Serialization data	Renders the serialization data to the current field.	Format	^SNi,d,z	i: Initial value	Numerals and letters of the alphabet	Numerals and letters of the alphabet		^SN	Low
						d: Increment or decrement	Numerals and minus symbols <-> within 12 digits	Numerals and minus symbols <-> within 12 digits			
						z: Zero < 0 > padding	z = Y/N Y: Yes (Does not delete zeros) N: No (Deletes zeros)	z = Y/N Y: Yes (Does not delete zeros) N: No (Deletes zeros)			
^SO		Set date and time offset	Sets the date and time for the secondary or tertiary clock. In this case, set the date and time different from the primary clock.	Clock	^SOt,mo,d,y,h,mi,s	t: Clock set	t = 2/3 2: Secondary clock 3: Tertiary clock	t = 2/3 2: Secondary clock 3: Tertiary clock		^SO	Low
						mo: Month (offset amount)	-32000 ≤ mo ≤ 32000	-32000 ≤ mo ≤ 32000			
						d: Day (offset amount)	-32000 ≤ d ≤ 32000	-32000 ≤ d ≤ 32000			
						y: Year (offset amount)	-32000 ≤ y ≤ 32000	-32000 ≤ y ≤ 32000			
						h: Hour (offset amount)	-32000 ≤ h ≤ 32000	-32000 ≤ h ≤ 32000			
						mi: Minute (offset amount)	-32000 ≤ mi ≤ 32000	-32000 ≤ mi ≤ 32000			
						s: Second (offset amount)	-32000 ≤ s ≤ 32000	-32000 ≤ s ≤ 32000			

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹
								Definition range	Factory-set initial value		
^ST		Set date and time	Sets the date and time for the primary clock.	Clock	^STmo,d,y,h,mi,s,f	mo: Month	01 ≤ mo ≤ 12	01 ≤ mo ≤ 12		^ST	Low
						d: Day	01 ≤ d ≤ 31	01 ≤ d ≤ 31			
						y: Year	2000 ≤ y ≤ 2099	2000 ≤ y ≤ 2099			
						h: Hour	00 ≤ h ≤ 23	00 ≤ h ≤ 23			
						mi: Minute	00 ≤ mi ≤ 59	00 ≤ mi ≤ 59			
						s: Second	00 ≤ s ≤ 59	00 ≤ s ≤ 59			
						f: Time format	f = A/P/M A: AM P: PM M: 24-hour clock	f = A/P/M A: AM P: PM M: 24-hour clock			
~TA		Adjust tear-off position	Sets the value to adjust the tear-off position.	Media configuration	~TAd	d: Value to adjust tear-off position [dot]	-255 ≤ d ≤ 255	-35 ≤ d ≤ 35		~TA	High
^TB		Text blocks	Sets wrap for rendering character strings in the field.	Format	^TB _{o,w,h}	o: Block orientation	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)	o = N/R/I/B N: Normal R: 90° rotation (clockwise) I: 180° rotation B: 270° rotation (clockwise)		^TB	Low
						w: Block width [dot]	1 ≤ w ≤ 9999	1 ≤ w ≤ label width			
						h: Block height	1 ≤ h ≤ Label length	1 ≤ h ≤ Label length			
^TO		Copy files	Copies files stored in the memory device.	Miscellaneous	^TOd1:o1.x1,d2:o2.x2	d1: Drive to be copied from	d1 = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d1 = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^TO	Low
						o1: Name of file to be copied	ASCII code within 8 characters Wild card (Asterisk <*>)	ASCII code within 8 characters Wild card (Asterisk <*>)			
						x1: Extension of file to be copied	All extensions Wild card (Asterisk <*>)	All extensions Wild card (Asterisk <*>)			
						d2: Drive to be copied to	d2 = R/E/B/A	d2 = R/E/B/A			
						o2: Name of copied file	ASCII code within 8 characters Wild card (Asterisk <*>)	ASCII code within 8 characters Wild card (Asterisk <*>)			
						x2: Extension to add to copied file	All extensions Wild card (Asterisk <*>)	All extensions Wild card (Asterisk <*>)			
~W(P)		Execute pattern printing	This command prints the pattern for confirming the operation of the printer.	Printer control	~W(Pa)	a: Type of pattern printing	a = NC/PF NC:print nozzle check pattern PF:print paper feed regulation pattern	a = NC/PF NC:print nozzle check pattern PF:print paper feed regulation pattern			Low
~WC		Print setting label	Prints multiple pieces of information in a list format.	Miscellaneous	~WC	None	None	None		~WC	Low

Command List of the Alphabetical Order

¹"Priority" indicates the function is executed with priority.

Command	Function identifier	Command name	Description	Classification	Command code	Description of parameters	Definition range for ESC/Label	TM-C7500 series		Corresponding ZPL II command	Priority ¹			
								Definition range	Factory-set initial value					
^WD		Print directory label	Prints the file information saved in the memory device.	Miscellaneous	^WDd:o.x	d: Storage drive	d = R/E/B/A/Z R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory Z: Non-rewritable memory	d = R/E/B/A/Z R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory Z: Non-rewritable memory		^WD	Low			
												o: File name	ASCII code within 8 characters Wild card (Asterisk <*>)	ASCII code within 8 characters Wild card (Asterisk <*>)
												x: Extension	All extensions Wild card (Asterisk <*>)	All extensions Wild card (Asterisk <*>)
^XA		Start label format	Starts the label format.	Format	^XA	None	None	None		^XA	Low			
^XF		Load label format file	Load label format file	Format	^XFd:o.x	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^XF	Low			
												o: File name	ASCII code within 8 characters	ASCII code within 8 characters
												x: Extension	x = FMT (Fixed)	x = FMT (Fixed)
^XG		Draw graphic file with magnification	Renders the graphic file to the field.	Graphic	^XGd:o.x,mx,my	d: Storage drive	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory	d = R/E/B/A R: Volatile memory E: Non-volatile memory B: Optional memory A: Optional memory		^XG	Low			
												o: File name	ASCII code within 8 characters	ASCII code within 8 characters
												x: Extension	x = GRF/PNG	x = GRF/PNG
												mx: Magnification factor in x axis	1 ≤ mx ≤ 10	1 ≤ mx ≤ 10
												my: Magnification factor in y axis	1 ≤ my ≤ 10	1 ≤ my ≤ 10
^XZ		End format	Ends the format.	Format	^XZ	None	None	None		^XZ	Low			

Appendix A List of Printer Errors and Warnings

ÿ Use the "~H(S)" (Get printer operation status) command to get the printer error status.

ÿ Use the "~H(Q)" (Get printer status) command to get the printer warning status.

The lists of printer errors and warnings of the TM-C7500 series are indicated in Tables A-1 and A-2.

Table A-1 List of Printer Errors

Definition Range Value	Error Description
NE	No error
FE	Fatal error
CO	Cover open error (Roll cover)
IE	Replace Ink cartridge, or No Ink cartridge error
SJ	Paper jam error
SN	Paper out error
MF	Replace maintenance box error
SS	Media size error
ST	Media source error
SR	Paper recognition error
CI	Ink cartridge cover open error
MN	No maintenance box error
CM	Maintenance box cover open error
SE	Paper removal error
LT	Maintenance error (tube life)
CS	Paper cover open error
CF	Front cover open error

Table A-2 List of Printer Warnings

Definition Range Value	Warning Description
IC1	Cyan ink cartridge low warning
IM1	Magenta ink cartridge low warning
IY1	Yellow ink cartridge low warning
IK1	Black ink cartridge low warning
MNF	Maintenance box near full warning
NCR	Nozzle clog recovering warning
NSU	Nozzle check disabled
WSC	Service call warning (TM-C7500 series might send this status, when the printer is printing.)
WNC	Nozzle clog warning (TM-C7500 series might send this status, when the printer is printing.)