

Software Developer's Manual

EPL Emulation Guide

TD-4420TN/4520TN

TD-4650TNWB/4650TNWBR/4750TNWB/4750TNWBR

RJ-2035B/2055WB/3035B/3055WB

TJ-4005DN/4010TN

TJ-4020TN/4021TN/4021TNR/4120TN/4121TN/4121TNR

TJ-4420TN/4520TN/4620TN/4422TN/4522TN

TJ-6421TN/6521TN

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This document provides information for the label printer (See [Appendix A: Supported Printers](#)) and is available for use only if you agree to the following conditions:

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1. Introduction

EPL emulation allows TD-4T, RJ and TJ Printers to interpret EPL commands.

2. EPL Emulation Support Commands

EPL	Description
A	ASCII Text
A	Simple Expressions in Data Fields
AUTOFR	Automatic Form Printing
B	Print standard barcodes Note: For more information on the barcode type, see Appendix C: Supported Barcode .
b	Prints 2D barcodes Note: For more information on the barcode type, see Appendix C: Supported Barcode .
C	Counter
C	CUT immediate
D	Data Matrix Barcode
D	Density
dump	Enable Dump Mode
EI	Print Soft Font Information
EK	Delete Soft Font
eR	User Defined Error/Status Character
ES	Store Soft Font
F	Cut Position
FE	End Form Store
FI	Print Form Information
FK	Delete Form
FR	Retrieve Form
FS	Store Form
GG	Print Graphics
GI	Print Graphics Information

EPL	Description
GK	Delete Graphics
GM	Store Graphics
GW	Direct Graphic Write
I	Character Set Selection
JB	Disable Top Of Form Backup
JF	Enable Top Of Form Backup
LE	Line Draw Exclusive OR
LO	Line Draw Black
LS	Line Draw Diagonal
LW	Line Draw White
N	Clear Image Buffer
O	Cancel Software Options
O	Hardware Option OC: Enable Cutter Mode OD: Enable Direct Thermal Mode OL: Enable printer's Feed button OP: Enable Peel Mode OS: Reverse the transmissive sensor's normal operation
oM	Disable Initial Esc Sequence Feed
oR	Character Substitution (Euro)
P	Print
PA	Print Automatic
Q	Set Label Width
Q	Set Form Length
R	Set Double Buffer Mode
R	Set Reference Point
S	Speed Select
TD	Date Recall & Formal Layout

EPL	Description
TS	Set Real Time Clock
TT	Time Recall & Formal Layout
U	Print Configuration (General)
UA	Enable Clear Label Counter Mode
UB	Reset Label Counter Mode
UE	External Font Information Inquiry
UF	Form Information Inquiry
UG	Graphics Information Inquiry
UI	Host Prompts/Codepage Inquiry
UM	Codepage & Memory Inquiry
UN	Disable Error Reporting
UP	Codepage & Memory Inquiry/Print
UQ	Configuration Inquiry
V	Define Variable
W	Windows Mode
xa	AutoSense
X	Box Draw
Y	Serial Port Setup
Z	Print Direction
?	Download Variables
^@	Reset Printer
^default	Set Printer to Factory Defaults
^ee	Error Report - Immediate

Appendix A: Supported Printers

TD-4T series	TD-4420TN TD-4520TN TD-4650TNWB TD-4650TNWBR TD-4750TNWB TD-4750TNWBR
RJ series	RJ-2035B RJ-2055WB RJ-3035B RJ-3055WB
TJ series	TJ-4005DN TJ-4010TN TJ-4020TN TJ-4021TN TJ-4021TNR TJ-4120TN TJ-4121TN TJ-4121TNR TJ-4420TN TJ-4520TN TJ-4620TN TJ-4422TN TJ-4522TN TJ-6421TN TJ-6521TN

Appendix B: Font Specification

The font specifications compatible with TD-4T, RJ and TJ Printer EPL Emulation are as follows:

Built-in Font	Fixed Font	1.EFT 2.EFT 3.EFT 4.EFT 5.EFT
Downloadable Font	Non-compatible	

Appendix C: Supported Barcodes

Select the barcode type you want when using B / b commands. See [Section 2. EPL Emulation Support Commands](#).

Value	Standard Barcode
3	Code 39 std. or extended
3C	Code 39 with check digit
9	Code 93
0	Code 128 UCC Serial Shipping Container Code
1	Code 128 auto A, B, C modes
1A	Code 128 mode A
1B	Code 128 mode B
1C	Code 128 mode C
K	Codabar
E80	EAN8
E82	EAN8 2 digit add-on
E85	EAN8 5 digit add-on
E30	EAN13
E32	EAN13 2 digit add-on
E35	EAN13 5 digit add-on
2G	German Post Code
2	Interleaved 2 of 5
2C	Interleaved 2 of 5 with mod 10 check digit
2D	Interleaved 2 of 5 with human readable check digit
P	Postnet 5, 9, 11 & 13 digit
PL	Planet 11 & 13 digit
J	Japanese Postnet
1E	UCC/EAN 128

Value	Standard Barcode
UA0	UPC A
UA2	UPC A 2 digit add-on
UA5	UPC A 5 digit add-on
UE0	UPC E
UE2	UPC E 2 digit add-on
UE5	UPC E 5 digit add-on
2U	UPC Interleaved 2 of 5
L	Plessey (MSI-1) with mod. 10 check digit
M	MSI-3 with mod. 10 check digit

2D Barcodes

Value	2D Barcode
A	Aztec
D	Data Matrix
M	MaxiCode
P	PDF417
Q	QR Code

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