

Ficha técnica

Brother

Modelos / familias

TD-4T

Fuente del fabricante

User's Guide

https://download.brother.com/welcome/docp100526/td-4650tnwb_4750tnwb_4650tnwbr_4750tnwbr_eng_ug_06.pdf

Las páginas siguientes son un extracto técnico del documento oficial del fabricante.

9. Product Specifications

Display	
LCD	2.3" color LCD
LED	1 (3 colors - Green, Red, Amber)
Printing	
Print Method	Thermal Transfer & Direct Thermal
Maximum Print Width	4.25" (108 mm) max. (TD-4650TNWB, TD-4650TNWBR) 4.16" (105.7 mm) max. (TD-4750TNWB, TD-4750TNWBR)
Maximum Print Length	1000" (25,400 mm) (TD-4650TNWB, TD-4650TNWBR) 450" (11,430 mm) (TD-4750TNWB, TD-4750TNWBR)
Maximum Print Speed	8" (203.2 mm) / second (TD-4650TNWB, TD-4650TNWBR) 6" (152.4 mm) / second (TD-4750TNWB, TD-4750TNWBR)
Print Speed for Label Peeler Mode	Up to 3 ips
Print Resolution	203 dpi (TD-4650TNWB, TD-4650TNWBR) 300 dpi (TD-4750TNWB, TD-4750TNWBR)
Size	
Dimensions	Approximately 8.62" (W) × 11.18" (D) × 7.52" (H) (219 mm (W) × 284 mm (D) × 191 mm (H))
Weight	Approximately 6.6 lbs (3 kg)
Interface	
USB	USB Ver.2.0 (High Speed) (Type B)
Serial	RS-232
Wired LAN	10/100 Mbps
USB Host Port	Stand alone: USB keyboard, USB scanner Storage: USB flash drive
Bluetooth	Bluetooth Ver.5.0 SPP (Bluetooth Classic), GATT (Bluetooth Low Energy)
Wi-Fi	IEEE 802.11 a/b/g/n
Wi-Fi Security	Authentication method (encryption scheme) * Infrastructure mode - Open system (None/WEP64/WEP128) - WPA/WPA2-PSK (TKIP+AES) - EAP-FAST (TKIP/AES) - PEAPv0 (TKIP/AES) - EAP-TLS (TKIP/AES) - EAP-TTLS (TKIP/AES)

Environment	
Temperature	Operation: 41°F - 104°F (5°C - 40°C) Storage: -40°F - 140°F (-40°C - 60°C)
Humidity	Operation: 25% - 85% (without condensation) Storage: 10% - 90% (without condensation)
Power Supply	
Power Supply	External Universal Switching Power Supply • Input: AC 100 V - 240 V, 2.0 A, 50 Hz - 60Hz • Output: DC 24 V, 3.75 A, 90 W
Paper Specification	
Media Type	Continuous, die-cut, black mark, fan-fold, notch, punched hole media, Gen2 RFID tag (TD-4650TNWBR, TD-4750TNWBR)
Wound Type	Outside wound
Media Width	0.8" - 4.4" (20 mm - 112 mm) (Tear mode) 1.0" - 4.33" (25.4 mm - 110 mm) (Peeler mode) 1.0" - 4.4" (25.4 mm - 112 mm) (Cutter mode)
Media Thickness	2.36 mil - 7.48 mil (0.06 mm - 0.19 mm)
Roll Outside Diameter (maximum)	5" (127 mm)
Core Size	1", 1.5" (25.4 mm, 38.1 mm)
Media Sensor	Gap (Transmissive), Black mark (Reflective)
Ribbon Specification	
Width	984.2" (300 m) long, max. Outer Diameter 2.64" (67 mm), 1" (25.4 mm) core (ink coated outside) 360.1" (110 m) long, max. Outer Diameter 1.57" (40 mm), 0.5" (12.7 mm) core (ink coated outside)
Ribbon Width	1.6" - 4.3" (40 mm - 110 mm) • Use the ribbon that is wider than the media.
RFID Specification (TD-4650TNWBR and TD-4750TNWBR only)	
RF Protocol	UHF EPC global Class 1 Gen2 / ISO 18000-63
Operating Frequency	Global (902 MHz - 928 MHz) and EU (866 MHz - 868 MHz)
Minimum Pitch	0.625" (15.875 mm)

Other	
Cutter	Guillotine & Partial Auto cutter option (Not User Replaceable)*1,2
Label Peeler	Label Peeler option (Not User Replaceable)*1,2
Bar Code	• 1D barcodes Code 11 (USD-8), Code 39, Code 93, Code 128 with subsets A/B/C, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2- or 5-digit extensions, GS1-128 (UCC/EAN-128), MSI, Plessey, POSTNET, Standard 2-of-5 (IATA), Industrial 2-of-5, Interleaved 2-of-5, ITF-14, EAN-14, LOGMARS, Codabar (NW-7), Planet, Telepen, Deutsche Post Identcode, Deutsche Post Leitcode, Datalogic 2-of-5 (China Post) • 2D barcodes CODABLOCK F, PDF417, Code 49, GS1 DataMatrix, MaxiCode, QR Code, TLC39, MicroPDF417, GS1 DataBar (RSS), Aztec Code
Printer Control Command	FBPL-EZD (Compatible to EPL II, ZPL II, DPL) FBPL-EZS (Compatible to EPL II, ZPL II, SBPL)
Built in Fonts	• 8 alphanumeric bitmap fonts • Monotype Imaging® TrueType font engine with one CG Triumvirate Bold Condensed scalable font

*1 Not compatible with RFID tags.

*2 Only authorized Brother Dealers should perform accessory replacements.

10. Troubleshooting

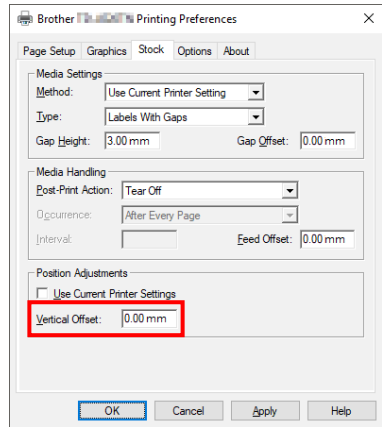
10.1 Common Problems

This chapter explains how to resolve typical problems you may encounter when using the printer. If you have any problems with the printer, first make sure you have performed the following tasks correctly.

If you still have problems, contact the product manufacturer's customer service or your local dealer.

Problem	Possible Cause	Solution
The LED Indicator is not lit.	The Power Cord is not correctly connected.	Make sure the printer is correctly connected to the power outlet (electrical socket) using the Power Cord.
		Turn the printer on.
- The Brother Printer Management Tool shows Head Open . - The LED flashes in red.	The Print Head is open.	Close the Print Head.
- The Brother Printer Management Tool shows Out of Ribbon or Ribbon Encoder Err . - The LED flashes in red.	The ribbon has finished.	Install a new ribbon roll. To install a new ribbon roll, see section 3.1 Load the Ribbon .
	The ribbon is installed incorrectly.	Reinstall the ribbon. To install the ribbon roll, see section 3.1 Load the Ribbon .
- The Brother Printer Management Tool shows Out of Paper . - The LED flashes in red.	The label roll has finished.	Install a new label roll. To install a new label roll, see section 3.2 Load the Media .
	The label is installed incorrectly.	Reinstall the label roll. To install the label roll, see section 3.2 Load the Media .
	The Gap/Black Mark Sensor is not calibrated.	Calibrate the Gap/Black Mark Sensor.
- The Brother Printer Management Tool shows Paper Jam . - The LED flashes in red.	The Gap/Black Mark Sensor is not calibrated.	Calibrate the Gap/Black Mark Sensor.
	Make sure the label size is set correctly.	Set the label size correctly.
	Labels may be jammed inside the Printer Head.	

Problem	Possible Cause	Solution
I cannot print.	The serial or USB cable is not connected correctly.	Reconnect the serial or USB cable.
	The serial or USB cable may be damaged.	Try a new cable.
	The ribbon or media may be incorrect or damaged.	Use a correct ribbon or media.
		Check the ribbon for damage.
		Reinstall the ribbon.
	The Print Head may need cleaning.	Clean the Print Head.
	The print density and speed may be set incorrectly.	Adjust the print density and print speed.
	The Print Head's harness connector may not be connected correctly with the Print Head.	Turn off the printer and plug the Print Head's harness connector to the Print Head again.
	Your custom program may not contain the necessary commands.	Make sure that your program contains the PRINT command at the end of the file and a CRLF at the end of each command line.
Memory full (FLASH/DRAM).	The printer's FLASH/DRAM memory is full.	Delete unused files from the FLASH/DRAM memory.
Poor Print Quality.	The ribbon/media is loaded incorrectly.	Reload the media/ribbon.
	Dust or adhesive has accumulated on the Print Head.	Clean the Print Head.
		Clean the Platen Roller.
	The print density is set incorrectly.	Adjust the print density and print speed.
	The Print Head is damaged.	Run the printer self-test and check the Print Head test pattern for missing dots.
	The ribbon/media is incompatible.	Install the correct ribbon/media.
Labels are skipped when printing.	The label size is not specified correctly.	Check if the label size is set up correctly.
	The sensor sensitivity is not set correctly.	Calibrate the sensor using the Auto Gap or Manual Gap options.
	The media sensor is dirty.	Clean the Gap/Black Mark Sensor using a blower brush.

Problem	Possible Cause	Solution
The printing position of small labels is incorrect.	The media sensor sensitivity is not set correctly.	Calibrate the sensor sensitivity again.
	The label size is incorrect.	Set the correct label size and gap size.
	The vertical offset setting in the driver is incorrect.	If using the BarTender software, set the Vertical Offset in the driver. 
Incomplete printing on the left or right side of label.	The label size is set up incorrectly.	Set the correct label size.
Warped labels.	The ribbon is installed incorrectly.	Reinstall the ribbon. To install the ribbon roll, see section 3.1 Load the Ribbon .
	The media is installed incorrectly.	Reinstall the label roll. To install the label roll, see section 3.2 Load the Media .
	The print density setting is incorrect.	Adjust the print density to improve the print quality.
	The media is not fed correctly.	Make sure the label guide touches the edge of the Media Guide Tips.
Blank labels with gray lines.	The Print Head is dirty.	Clean the Print Head.
	The Platen Roller is dirty.	Clean the Platen Roller.
Irregular printing.	The printer is in Hex Dump mode.	Turn the printer on and off to skip the dump mode. (See section 5.1.2 Gap/Black Mark Sensor Calibration, Self-Test, and Entering Dump Mode .)
The media wraps around the platen roller.	The label adhesive is on the Platen Roller.	Clean the Platen Roller regularly.

For more information about cleaning the printer, see section [11. Maintenance](#).