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Brother PTE310BTVP

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Model: PTE310BTVP

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1. INTRODUCTION

This manual provides instructions for the safe and efficient use of your Brother PT-E310BTVP P-Touch Edge Handheld Industrial Label Printer. This device is designed for creating durable, professional-quality labels for various industrial and organizational applications, including electrical, low voltage, and MRO labeling.

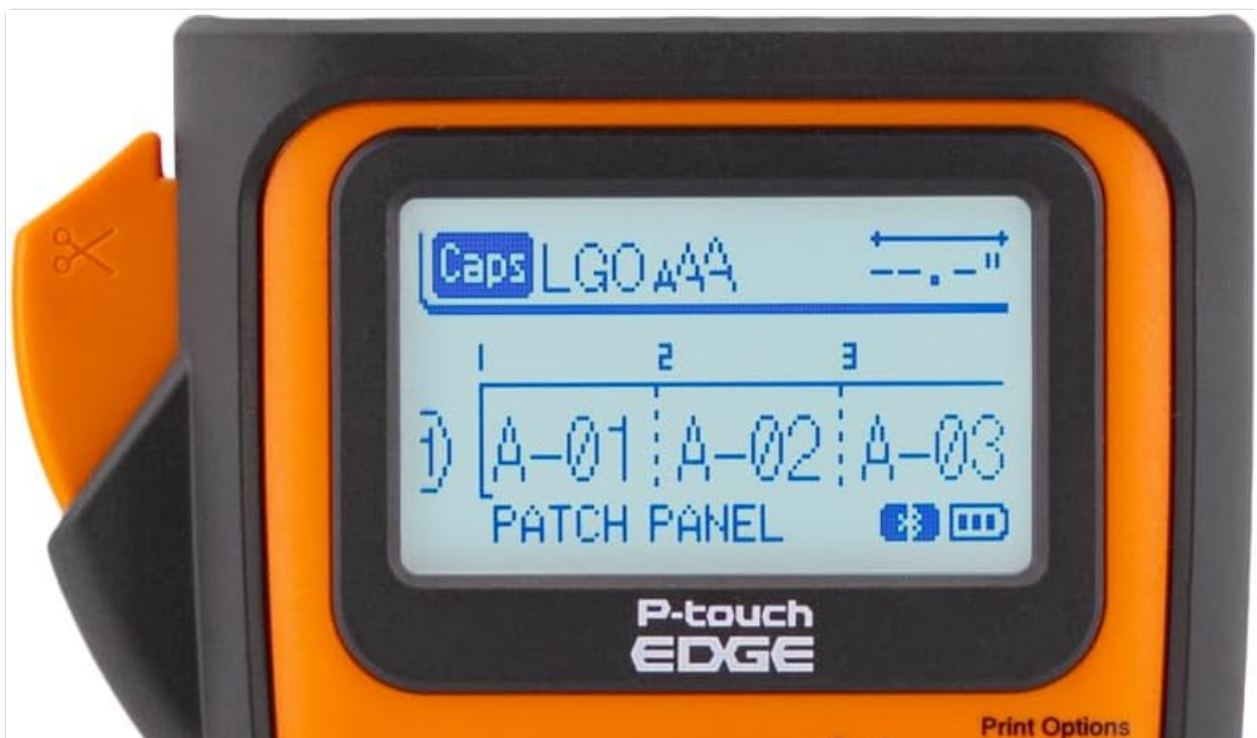




Figure 1: Front view of the Brother PT-E310BTVP P-Touch Edge Handheld Industrial Label Printer.

Key features include:

- Prints laminated labels and heat shrink tubes from 3.5mm to 18mm.
- Quick application keys for specialized labels: cable wrap, cable flag, patch panel, punch block, and faceplate.
- Ability to print QR codes and linear barcodes.
- Internal memory for storing databases and label templates.
- Wireless connectivity via Bluetooth for mobile devices (Pro Label Tool app).
- USB-C connectivity for PC (P-touch Editor software).

2. WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- Brother PT-E310BTVP Label Printer Unit
- Carry Case
- TZeFX241 Black on White Flexible ID Tape (0.7in x 26.2ft / 18mm x 8m)
- Wrist Strap
- USB-C Cable (1m)
- Patch Panel Ruler
- Lithium-Ion Battery (pre-installed or separate)

3. SETUP

3.1. Battery Installation and Charging

The PT-E310BTVP uses a rechargeable Lithium-Ion battery. Ensure the battery is fully charged before first use.

1. Open the battery compartment cover located on the back of the printer.
2. Insert the Lithium-Ion battery pack, ensuring correct orientation.
3. Close the battery compartment cover securely.
4. Connect the supplied USB-C cable to the printer's USB-C port and to a power adapter (not included) or a computer. The charging indicator will illuminate.
5. Allow the battery to charge completely.





Figure 2: Rear view of the printer, indicating the battery compartment.

3.2. Tape Cartridge Installation

The printer uses Brother TZe, HGe, or Hse tape cartridges.

1. Ensure the printer is powered off.
2. Open the tape compartment cover on the top-rear of the printer.
3. Insert the tape cartridge firmly into the compartment, ensuring the tape end feeds through the tape guide.
4. Close the tape compartment cover until it clicks into place.





Figure 3: Internal view of the tape compartment for cartridge installation.

3.3. Initial Power On

Press and hold the **Power** button until the display illuminates. The printer is now ready for use.

4. OPERATING INSTRUCTIONS

4.1. Basic Label Creation

1. **Power On:** Press the **Power** button.
2. **Enter Text:** Use the QWERTY keyboard to type your desired label text.
3. **Adjust Settings:** Use the **Menu** button to access options for font size, style, frame, etc.
4. **Preview:** Press the **Preview** button to see how your label will look.
5. **Print:** Press the **Print** button to generate the label.

4.2. Using Quick Application Keys

The PT-E310BTVP features dedicated keys for common industrial labeling applications:

- **Cable Wrap:** Creates labels designed to wrap around cables.
- **Cable Flag:** Generates labels that flag off cables for easy identification.
- **Patch Panel:** Formats labels for patch panels.
- **Punch Block:** Creates labels suitable for punch block identification.
- **Faceplate:** Designs labels for faceplates.

To use, press the desired application key, enter the required information, and print.



Figure 4: A technician utilizing the label printer in an industrial setting.

4.3. Barcodes and QR Codes

The printer supports printing linear barcodes and QR codes. Access these functions via the **Barcode** or

Symbol menu options to input data and generate the code.

4.4. Connectivity (Bluetooth & USB-C)

- **Bluetooth:** Pair your mobile device with the PT-E310BTVP to use the Brother Pro Label Tool app for advanced label design and printing.
- **USB-C:** Connect the printer to a PC using the supplied USB-C cable to utilize the P-touch Editor software for comprehensive label design and printing.



Figure 5: Example of labels applied to network cables, demonstrating clarity and application.

5. MAINTENANCE

5.1. Cleaning the Print Head

If print quality degrades, clean the print head using a cotton swab lightly moistened with isopropyl alcohol. Gently wipe the print head surface. Ensure the printer is off and dry before use.

5.2. Cleaning the Cutter Blade

Remove any adhesive residue or tape fragments from the cutter blade area using tweezers or a soft brush. Exercise caution as the blade is sharp.

5.3. Storage

Store the printer in its carry case in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your PT-E310BTVP label printer.

6.1. Printer Does Not Power On

- Ensure the battery is correctly installed and fully charged.
- Connect the printer to a power source via the USB-C cable to check if it powers on.

6.2. Poor Print Quality

- Clean the print head as described in the Maintenance section.
- Ensure the tape cartridge is correctly installed and not empty.
- Try a new tape cartridge.

6.3. Labels Not Feeding or Cutting Correctly

- Check for any tape jams in the tape compartment.
- Clean the cutter blade area.
- Ensure the tape compartment cover is securely closed.

6.4. Bluetooth Connectivity Issues

- Ensure Bluetooth is enabled on both the printer and your mobile device.
- Verify the printer is in pairing mode if necessary.
- Restart both the printer and your mobile device.

7. SPECIFICATIONS

Feature	Detail
Model Number	PTE310BTVP
Printing Technology	Thermal Transfer
Max Print Resolution	180 dpi
Max Print Speed	0.78 ppm (Monochrome)
Compatible Tape Widths	3.5mm, 6mm, 9mm, 12mm, 18mm
Compatible Cartridges	P-touch TZe, HGe, Hse
Connectivity	Bluetooth, USB-C
Power Source	1 Lithium Ion battery (included)
Item Weight	1.76 pounds (0.8 kg)
Product Dimensions	2.76"D x 5.31"W x 9.3"H (7 x 13.5 x 23.6 cm)
Special Features	Internal Memory, Portable

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The Brother PT-E310BTVP P-Touch Edge Handheld Industrial Label Printer comes with a **2-Year Limited Exchange Warranty**. Please retain your proof of purchase for warranty claims. For full details on warranty coverage, terms, and conditions, refer to the warranty documentation included with your product or visit the official Brother support website.

8.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact Brother Customer Support. You can find contact information and additional resources on the official Brother website:

Visit Brother Support Website

When contacting support, please have your product model number (PTE310BTVP) and serial number ready.