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## Star Micronics 39449871

# Star Micronics TSP650II BTi Bluetooth Desktop Receipt Printer User Manual

Model: TSP650II BTi (39449871)

## PRODUCT OVERVIEW

The Star Micronics TSP650II BTi is a high-speed Bluetooth desktop receipt printer designed for point-of-sale (POS) environments. It is Apple MFi certified, ensuring compatibility with iPod touch, iPhone, and iPad devices. This printer offers broad operating system support, including iOS, Android, and Windows, making it a versatile solution for various business setups.

Key features include its "JustWorks" SSP profile for simplified Bluetooth pairing without passkeys, a fast print speed of 300 mm/sec (60 receipts per minute), and an easy "drop-in and print" paper loading system. Its compact design and reliable guillotine cutter make it an efficient and user-friendly addition to any POS system.

## PACKAGE CONTENTS

Upon opening the package, please verify that all components are present. The standard package for the Star Micronics TSP650II BTi printer typically includes:

- Star Micronics TSP650II BTi Receipt Printer Unit
- Power Supply Unit
- Power Cord
- Starter Paper Roll
- Setup Guide / Manual (digital version available online)



Figure 1: Front view of the Star Micronics TSP650II BTi Receipt Printer, showing the paper output slot and control buttons (Power, Error, Feed).

## SETUP INSTRUCTIONS

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### 1. Connecting Power

1. Ensure the printer's power switch is in the OFF position.
2. Connect the power supply unit to the printer's power input port.
3. Plug the power cord into the power supply unit, then into a standard electrical outlet.
4. Flip the power switch to the ON position. The power indicator light should illuminate.

## 2. Loading Paper

1. Open the printer's top cover by lifting the latch.
2. Insert a new thermal paper roll into the paper compartment, ensuring the paper feeds from the bottom of the roll towards the front of the printer.
3. Pull a small amount of paper out past the cutter.
4. Close the top cover firmly until it latches. The "drop-in and print" design simplifies this process.

## 3. Bluetooth Pairing

The TSP650II BTi features a "JustWorks" SSP profile for easy pairing without requiring a passkey.

1. Ensure the printer is powered on.
2. On your iOS, Android, or Windows device, navigate to the Bluetooth settings.
3. Search for available devices. The printer should appear as "Star Micronics" followed by its model or serial number.
4. Select the printer from the list to initiate pairing. No user interaction is typically needed for the pairing process due to the SSP profile.
5. Once paired, your device should indicate a successful connection.



Figure 2: Side view of the Star Micronics TSP650II BTi Printer, illustrating its compact dimensions (5.5 inches / 13 cm height).

## OPERATING THE PRINTER

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### Printing Receipts

After successful setup and pairing, you can begin printing receipts from your compatible POS application or software. The printer is capable of printing at speeds up to 300 mm/sec.

- Ensure your POS application is configured to use the Star Micronics TSP650II BTi as the default receipt printer.
- Initiate a print command from your application. The printer will automatically feed and cut the receipt.
- The printer supports the WebPRNT Browser App for direct printing from web-based applications.

### Indicator Lights

The printer features indicator lights on the front panel to provide status information:

- **POWER:** Indicates the printer is powered on.
- **ERROR:** Illuminates or flashes to indicate an error condition (e.g., paper out, cover open, cutter error).
- **FEED:** Used for manual paper feeding. Pressing this button will advance the paper.

## MAINTENANCE

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### Cleaning the Printer

Regular cleaning helps maintain print quality and extends the life of your printer.

- Turn off the printer and disconnect the power cord before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or isopropyl alcohol to clean the exterior casing.
- To clean the thermal print head, use a specialized thermal printer cleaning pen or a cotton swab lightly dampened with isopropyl alcohol. Gently wipe the print head surface. Allow it to dry completely before powering on.
- Clean the paper path and cutter area to remove any paper dust or debris.

### Paper Replacement

Replace the paper roll as soon as the "ERROR" light indicates a paper out condition or when the red line on the paper roll becomes visible, indicating the end of the roll is near. Refer to the "Loading Paper" section for detailed instructions.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your TSP650II BTi printer.

Problem	Possible Cause	Solution
Printer does not power on.	Power cord not connected, power outlet issue, power supply failure.	Check all power connections. Try a different power outlet. Ensure the power switch is ON.
No print output / "ERROR" light on.	Paper out, top cover open, paper jam.	Load new paper roll. Ensure top cover is securely closed. Clear any paper jams.
Bluetooth connection issues.	Printer not paired, out of range, interference, device Bluetooth off.	Ensure printer is powered on and within range. Re-pair the printer with your device. Restart both printer and device. Some users report needing to toggle Bluetooth on their device for consistent connection.
Poor print quality (faint, blank lines).	Dirty print head, incorrect paper type, worn print head.	Clean the thermal print head. Ensure you are using thermal paper. If issues persist, contact support.
Cutter not working.	Paper jam in cutter, cutter mechanism obstruction.	Turn off printer, open cover, and carefully remove any paper scraps or obstructions from the cutter area.

## SPECIFICATIONS

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Feature	Detail
Model Name	TSP650II BTi
Model Number	39449871

Feature	Detail
Printing Technology	Thermal Line Printing
Print Speed	Up to 300 mm/sec (60 receipts per minute)
Print Resolution	203 dpi (203 x 203 DPI)
Connectivity	Bluetooth (Apple MFi Certified)
Compatible OS	iOS, Android, Windows
Paper Type	Thermal Receipt Paper
Paper Loading	"Drop-in and Print"
Auto Cutter	Guillotine Type
Dimensions (W x D x H)	10.3 x 9.1 x 7.9 inches (approximate)
Item Weight	3.75 pounds
Memory Storage Capacity	64 MB
Included Components	Printer Accessory (includes power supply, paper roll)

## WARRANTY AND SUPPORT

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### Warranty Information

The Star Micronics TSP650II BTi printer comes with a limited warranty. Please refer to the warranty card included with your product or visit the official Star Micronics website for detailed terms and conditions regarding warranty coverage and duration.

### Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Star Micronics customer support. You may find contact information on their official website or in the documentation provided with your printer.

An official User Guide PDF is also available for more in-depth information:

[Download Official User Guide \(PDF\)](#)