Niyama BT-58

Niyama BT-58 Wireless Bluetooth Thermal Printer User Manual

Model: BT-58

1. Introduction

Thank you for choosing the Niyama BT-58 Wireless Bluetooth Thermal Printer. This compact and portable printer is designed for mobile receipt and POS applications, offering reliable thermal printing for various operating systems including Android, iOS, and Windows. This manual provides essential information for setting up, operating, and maintaining your device to ensure optimal performance and longevity.

2. Package Contents

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- 1 x Niyama BT-58 Thermal Printer
- 1 x Charger Cable
- 1 x Roll of Thermal Paper
- 1 x User Manual (this document)

3. Product Overview

The Niyama BT-58 printer features a streamlined design and robust functionality for efficient mobile printing.



Figure 3.1: Front view of the Niyama BT-58 Thermal Printer, showing the power button, battery indicator, and feed button.

Key Features:

- **Wireless Connectivity:** Supports Bluetooth BT3.4/BLE4.0 for seamless connection with Android, iOS, and Windows devices.
- **Compact and Portable:** Lightweight design (205 grams) for easy carrying and use in various environments.
- **Thermal Printing:** Utilizes thermal line printing technology, eliminating the need for ink cartridges or ribbons.
- **Long Battery Life:** Equipped with a 2600mAh/7.4V rechargeable lithium battery, providing extended operational time.
- **Fast Printing Speed:** Capable of printing at 90mm/s.
- **Wide Compatibility:** Supports ESC/POS print commands and includes DLL, SDK, and App demo for application development.
- **Durable Print Head:** Print head life cycle up to 50 kilometers.

4. Technical Specifications

Printing Method	Thermal Line Printing
Print Width	48mm
Print Density	384 dot/line
Print Speed	90mm/s
Interface	USB + Bluetooth (BT3.4/BLE4.0)
Paper Width	58mm
Roll Diameter	Max 58mm
Paper Thickness	0.06-0.08mm
Print Command	ESC/POS compatible
Character Size	24*24 point
Bar Code Type	CODE39, CODE128
Input Buffer	25K bytes
Battery	2600mAh/7.4V Lithium Battery
Charging Time	Approximately 4 hours
Operating System	Android, iOS, Windows (Win9X, WinME, Win2000, WinNT, WinXP, WinVista, Win7, Win8, Linux)
Dimensions	27.9D x 35.6W x 12.7H Centimeters (Product)
Item Weight	205 grams

5. Setup Guide

5.1 Charging the Battery

1. Connect the provided charger cable to the printer's charging port.
2. Plug the charger into a standard power outlet.
3. The battery indicator light will show charging status. A full charge typically takes about 4 hours.
4. Ensure the printer is fully charged before initial use for optimal battery performance.

5.2 Loading Thermal Paper



Figure 5.2: Side view of the Niyama BT-58 Thermal Printer, illustrating the paper compartment.

1. Gently push the cover open button or latch to open the paper compartment cover.
2. Insert a 58mm thermal paper roll into the compartment, ensuring the printing side of the paper faces the thermal print head. The paper should feed smoothly from the bottom of the roll.
3. Pull a small length of paper out beyond the printer's exit slot.
4. Close the paper compartment cover firmly until it clicks into place.
5. *Note:* Use only thermal paper. Regular paper will not print.

6. Operating Instructions

6.1 Powering On/Off

- **To Power On:** Press and hold the power button (usually marked with a circle and a vertical line) until the indicator light illuminates.
- **To Power Off:** Press and hold the power button again until the indicator light turns off.

6.2 Bluetooth Connection

The Niyama BT-58 supports automatic Bluetooth pairing for hassle-free operation.

1. Ensure the printer is powered on and within range of your device (smartphone, tablet, or computer).
2. On your device, navigate to the Bluetooth settings.
3. Search for available devices. The printer should appear as "BT-58" or a similar identifier.
4. Select the printer to pair. If prompted for a PIN, enter "0000" or "1234" (common default PINs).
5. Once paired, the Bluetooth indicator on the printer will confirm the connection.

Note: For application integration, this product requires software development skills. Refer to the provided DLL, SDK, and App demo for guidance.

6.3 USB Connection (for Windows)

1. Ensure the printer is powered on.
2. Connect the printer to your Windows computer using the provided USB cable.
3. The computer should detect the printer. You may need to install the appropriate printer drivers, which can typically be found on the manufacturer's website or included software.
4. Once drivers are installed, the printer will be ready for use with compatible applications.

6.4 Printing

After successfully connecting the printer to your device, you can initiate printing from any compatible application.

- Open the application from which you wish to print (e.g., POS software, receipt generator).
- Select the print option within the application.
- Choose the Niyama BT-58 printer from the list of available printers.
- Confirm print settings and initiate the print job.



Figure 6.4: The Niyama BT-58 Thermal Printer in operation, demonstrating a printed receipt with a QR code.

7. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Niyama BT-58 printer.

7.1 Cleaning the Print Head

- Ensure the printer is powered off and disconnected from any power source.
- Open the paper compartment cover.
- Gently wipe the thermal print head (the dark strip inside the cover) with a cotton swab lightly dampened with isopropyl alcohol.
- Allow the print head to dry completely before closing the cover and powering on the printer.
- *Frequency:* Clean the print head after every few rolls of paper or if print quality degrades.

7.2 Battery Care

- Avoid fully discharging the battery frequently.
- Charge the printer regularly, even if not in constant use, to maintain battery health.
- Store the printer in a cool, dry place when not in use for extended periods.

7.3 General Cleaning

- Wipe the exterior of the printer with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.

8. Troubleshooting

If you encounter issues with your Niyama BT-58 printer, refer to the following common problems and solutions.

8.1 Printer Not Powering On

- **Check Battery:** Ensure the battery is charged. Connect the printer to the charger and allow it to charge for at least 30 minutes before attempting to power on again.
- **Power Button:** Ensure you are pressing and holding the power button for a sufficient duration (2-3 seconds).

8.2 No Print Output / Blank Page

- **Paper Type:** Verify that you are using thermal paper. Regular paper will not work.
- **Paper Orientation:** Ensure the thermal paper roll is inserted correctly, with the heat-sensitive side facing the print head. Try flipping the roll if unsure.
- **Print Head:** The print head might be dirty. Refer to Section 7.1 for cleaning instructions.
- **Connectivity:** Confirm the printer is properly connected via Bluetooth or USB to your device.

8.3 Bluetooth Connection Issues

- **Printer On:** Ensure the printer is powered on and its Bluetooth indicator is active.
- **Device Bluetooth:** Confirm Bluetooth is enabled on your smartphone, tablet, or computer.
- **Range:** Move the printer closer to your device to ensure it's within Bluetooth range.
- **Re-pair:** Unpair the printer from your device's Bluetooth settings and then attempt to pair it again.
- **Interference:** Minimize potential interference from other wireless devices.

8.4 Poor Print Quality

- **Print Head:** A dirty print head is a common cause. Clean it as described in Section 7.1.
- **Thermal Paper Quality:** Ensure you are using good quality thermal paper. Old or improperly stored thermal paper can affect print quality.
- **Battery Level:** Low battery can sometimes affect print intensity. Charge the printer fully.

9. Important Information and Disclaimer

This product requires software development skills for integration with Android and iOS applications. A Programming Guide, DLL, SDK, and App demo are provided to assist with customer application development. Users intending to integrate this printer into custom software solutions should possess the necessary technical expertise.

10. Support

For further assistance or technical support, please refer to the contact information provided by your retailer or visit the official Niyama website. Ensure you have your product model number (BT-58) and purchase details ready when contacting support.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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