**NETUM NT-8003**

# NETUM NT-8003 Wireless Bluetooth Thermal Receipt Printer User Manual

Model: NT-8003

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your NETUM NT-8003 Wireless Bluetooth Thermal Receipt Printer. Please read this manual thoroughly before using the device to ensure proper functionality and longevity.

Image 1: NETUM NT-8003 Wireless Bluetooth Thermal Receipt Printer. This image shows the compact, black thermal printer from a slight angle, highlighting its sleek design and control panel.

## 2. KEY FEATURES

- **Wireless Connectivity:** Supports Bluetooth 2.0/4.0 for seamless connection with compatible devices.
- **Multi-System Compatibility:** Works with Android, iOS, and Windows operating systems.
- **High-Speed Thermal Printing:** Prints at 90mm/second, eliminating the need for ink cartridges or ribbons.
- **Portable Design:** Compact and lightweight, powered by a 2000mAh rechargeable lithium battery for extended use.
- **Durable Print Head:** Equipped with a Japanese imported print head designed for long-term reliability.

Image 2: NETUM NT-8003 Printer Features. This image highlights key features such as no ribbons or print cartridges, 203 DPI resolution, 2000mAh battery, over 7 days standby, and 6-8 hours continuous printing.

## 3. PACKAGE CONTENTS

Upon unpacking, please verify that all items are present:

- NETUM NT-8003 Thermal Receipt Printer
- USB Cable
- Thermal Paper Roll (one included)
- Power Adapter (9V/1.5-2A)
- User Manual

## 4. SETUP GUIDE

### 4.1. Charging the Battery

Before initial use, fully charge the printer's 7.4V/2000mA lithium battery. Connect the provided power adapter to the

printer's charging port and plug it into a power outlet. The 'CHARGE' indicator light will illuminate during charging and typically turn off or change color when fully charged.

## 4.2. Loading Thermal Paper

1. **Open the Top Cover:** Locate the 'Open' button or latch on the side of the printer and press it to release and open the top cover.

2. **Insert Paper Roll:** Place the thermal paper roll into the paper compartment with the printing surface facing upwards. Ensure the roll is seated correctly.

3. **Pull Out Paper:** Pull a small length of paper out past the cutting edge.

4. **Close the Cover:** Gently close the top cover until it clicks securely into place. Ensure the paper protrudes slightly from the output slot.



Image 3: NETUM NT-8003 Paper Loading Steps. This composite image illustrates the four steps for loading thermal paper: opening the cover, inserting the roll, pulling out paper, and closing the cover.

## 4.3. Connecting to a Device

### 4.3.1. Bluetooth Connection (Recommended for Mobile)

1. **Power On:** Press and hold the power button on the printer until the indicator lights activate.

2. **Enable Bluetooth:** On your Android, iOS, or Windows device, enable Bluetooth in the settings.

3. **Search for Devices:** Search for available Bluetooth devices. The printer will typically appear as "NT-8003" or a similar identifier.

4. **Pair Device:** Select the printer from the list and enter the pairing PIN if prompted (common default PINs are "0000" or "1234").

5. **Install Application/Driver:** For mobile devices, you may need a compatible printing application. For Windows, install the provided driver.

### 4.3.2. USB Connection (Recommended for PC)

1. **Power On:** Ensure the printer is powered on.

2. **Connect USB Cable:** Connect one end of the USB cable to the printer's USB port and the other end to your computer.

3. **Install Driver:** Install the printer driver provided on the included CD or downloaded from the NETUM website. Follow the on-screen instructions.

4. **Select Printer:** Once the driver is installed, the printer should be recognized by your computer and available for selection in your printing software.

## 5. OPERATING INSTRUCTIONS

### 5.1. Control Panel Overview

Image 4: NETUM NT-8003 Control Panel and Ports. This image provides a detailed view of the printer's control panel, highlighting the power button, mode button, feed button, indicator lights (charge, error, battery), and the USB port.

- **Power Button:** Press and hold to turn the printer on or off.
- **Mode Button:** Used for changing printer settings or modes (refer to advanced settings in the full manual).
- **Feed Button:** Press to advance the paper manually.
- **Indicator Lights:**
    - **CHARGE:** Indicates charging status.
    - **ERROR:** Illuminates to indicate a printer error (e.g., paper out, print head overheating).
    - **Battery Indicator:** Shows the current battery level.
- **USB Port:** For wired connection to a computer and charging.

## 5.2. Basic Printing

Once connected via Bluetooth or USB and with paper loaded, you can initiate printing from your compatible application or software. The printer will automatically receive print commands and produce thermal receipts.

## 5.3. Application Scenarios



Image 5: NETUM NT-8003 Application Scenarios. This image displays various environments where the printer can be used, including logistics & express, book shops, drug stores, clothing shops, catering, supermarkets, and retail shops.

# 6. MAINTENANCE

## 6.1. Cleaning the Print Head

Regular cleaning of the print head ensures optimal print quality. Use a soft cloth dampened with isopropyl alcohol to gently wipe the thermal print head. Ensure the printer is turned off and cooled down before cleaning.

## 6.2. Battery Care

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

## 7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---|---|---|
| Printer does not power on | Low battery; Power button not pressed correctly | Charge the printer; Press and hold the power button for a few seconds. |
| Cannot connect via Bluetooth | Bluetooth not enabled; Incorrect pairing PIN; Printer not discoverable; Incompatible application/OS | Ensure Bluetooth is on; Re-enter PIN (0000 or 1234); Restart printer and device; Verify application/OS compatibility (Note: Does NOT support Square, MAC, TabShop lite, Clover, Open Table, O3POS, iRead lite, PayPal, MobiPOS Lite, Kasse Speedy/Intuit Gopayment/Shopify/Credit Card/Linga POS). |
| No print output | Paper out; Paper loaded incorrectly; Print head error; Connection issue | Load new paper; Re-load paper with printing side up; Check ERROR indicator; Re-establish connection. |
| Poor print quality | Dirty print head; Low battery; Low quality paper | Clean the print head; Charge the printer; Use recommended thermal paper. |
| Paper jam | Paper loaded incorrectly; Foreign object in paper path | Open cover, remove paper, re-load correctly; Carefully remove any obstructions. |

## 8. SPECIFICATIONS

- **Model:** NT-8003
- **Print Method:** Thermal Line Printing
- **Print Speed:** 90mm/sec
- **Print Resolution:** 203 DPI (576 dots/Line)
- **Print Width:** 72mm
- **Paper Type:** Thermal Roll Paper
- **Paper Width:** 80 ± 1mm
- **Paper Roll Diameter:** 83mm (Max)
- **Paper Thickness:** 0.06-0.08mm
- **Interfaces:** Bluetooth 2.0/4.0, USB, RS232 (Optional)
- **Print Command:** ESC/POS/STAR compatible
- **Character Set:** Alphanumeric / Chinese Kanji
- **Data Buffer:** Up to 20K bytes
- **Compatible OS:** Windows Systems, Android, iOS

- **Battery:** 7.4V DV/2000mA Rechargeable Lithium Battery

- **Charging Mode:** External 9V/1.5-2A

- **Print Head Reliability:** 100km

- **Dimensions:** Approximately 112mm (L) x 108mm (W) x 46mm (H)

- **Weight:** 450g (15.9 ounces)



Image 6: NETUM NT-8003 Printer Dimensions. This image shows the printer with its dimensions labeled: 108mm (4.25") length, 112mm (4.41") width, and 46mm (1.81") height, along with its weight of 450g.
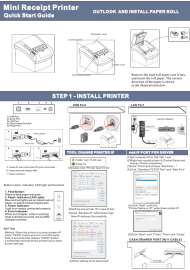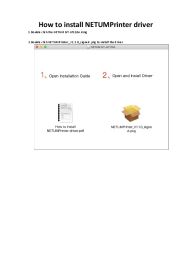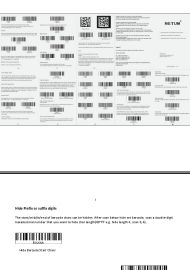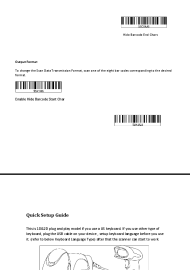
# 80MM Thermal Printer



Image 7: NETUM NT-8003 Paper Roll Specifications. This image illustrates the printer's paper compartment and a thermal paper roll, indicating a maximum roll diameter of 83mm and a paper width of 80mm.

## 9. WARRANTY AND SUPPORT

The NETUM NT-8003 printer comes with a limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact NETUM customer support. For technical assistance or inquiries, please visit the official NETUM website or contact their customer service department.

**Related Documents - NT-8003**

[Mini Receipt Printer Quick Start Guide: Installation and Setup](#)

A comprehensive quick start guide for the NETUM Mini Receipt Printer (ZY801), detailing printer outlook, paper roll installation, IP configuration, driver setup, and essential maintenance procedures.

[NETUM 58MM Bluetooth Receipt Printer: FAQ and Troubleshooting Guide](#)

Find answers to frequently asked questions and solutions for common issues with the NETUM 58MM Bluetooth Receipt Printer, covering setup, connectivity, printing problems, and more.

[How to Install NETUMPrinter Driver and Configure Label Settings on Mac](#)

Step-by-step guide for installing the NETUMPrinter driver on macOS, including security and privacy configurations. Learn how to set up custom label sizes and adjust printer settings for the NETUM NT-LP110A model.

[Netum NFTUM Barcode Scanner: Features, Setup, and Troubleshooting](#)

Comprehensive guide to the Netum NFTUM USB wired 1D & 2D barcode scanner. Learn about its plug-and-play functionality, IP67 rating, compatibility with various operating systems, and detailed setup instructions.

[NETUM Barcode Scanner: Prefix and Suffix Configuration Guide](#)

Comprehensive guide to configuring prefixes and suffixes on NETUM barcode scanners, including hiding characters and custom data editing.

[Netum Barcode Scanner Quick Setup Guide and Programming](#)

A comprehensive quick setup and programming guide for Netum barcode scanners, detailing configuration options for interfaces, keyboard languages, various 1D and 2D barcode symbologies, and custom data prefixes/suffixes. Includes appendices with barcode type and ASCII tables.