NETUM NT-1950

NETUM NT-1950 Barcode Scanner User Manual

Model: NT-1950 | Brand: NETUM

Introduction

The NETUM NT-1950 is an industrial-grade 2D QR barcode scanner designed for robust performance in demanding environments. It features dual connectivity options (2.4G wireless and Bluetooth), advanced scanning capabilities, and a durable, protected design. This manual provides detailed instructions for setting up, operating, and maintaining your NT-1950 scanner.



Figure 1: NETUM NT-1950 Barcode Scanner and Charging Dock.

Key Features

- **Industrial-Grade Protection:** IP67-rated for dust, splash, and waterproof performance. Rugged construction and durable silicone casing protect against drops from up to 12 ft (3.65 m).
- **Dual Connectivity:** Supports both 2.4G wireless (via included charging dock with built-in receiver) and Bluetooth connections (HID, SPP, BLE modes). Compatible with Windows, Mac, Android, iOS, and POS systems.
- **Versatile Scanning Modes:** Offers manual trigger, continuous scanning, and auto-sensing for both handheld and hands-

free operation.

- **Storage Mode:** Stores up to 100,000 barcodes when wireless connections are unavailable.
- **Advanced Scanning:** Equipped with a 1280H × 800V (1M) CMOS sensor for fast scanning (60 FPS). Reads 1D barcodes ≥4 mil and 2D barcodes ≥5 mil (HD).
- **Extended Battery Life:** 2600mAh battery provides up to 30 days of use (based on 2,000 scans/day). Charging cradle ensures constant readiness.

Setup

1. Charging the Scanner

Before initial use, fully charge the scanner. Place the scanner into the charging dock. The dock also functions as a charging station.



Figure 2: The charging cradle provides power to the scanner.

A full charge typically takes 4-5 hours and can provide up to 30 days of use (assuming 2,000 scans per day).



Figure 3: The scanner is equipped with a 2600mAh large capacity battery.

2. Connectivity Options

The NT-1950 offers two primary connection methods:

- **2.4G Wireless Connection:**

The charging dock has a built-in 2.4G receiver. Connect the dock to your computer via USB. The scanner will automatically connect to the dock, providing plug-and-play functionality. This mode is ideal for desktop and laptop use.



Figure 4: Data transmission using the 2.4G wireless connection via the charging dock.

- **Bluetooth Connection:**

  The scanner supports Bluetooth connections in HID, SPP, and BLE modes, making it compatible with a wide range of devices including smartphones, tablets, and POS systems. To pair, activate Bluetooth on your device and scan the appropriate configuration barcode from the user manual to set the scanner to Bluetooth pairing mode.

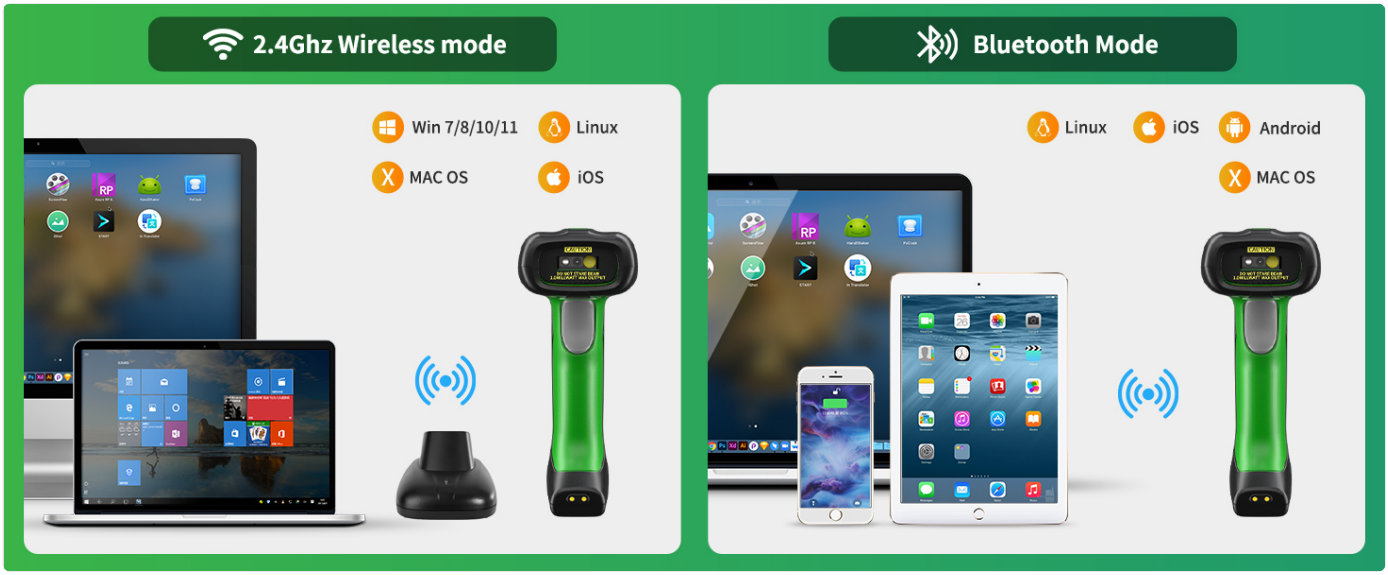


Figure 5: Compatibility of 2.4GHz Wireless mode and Bluetooth mode with various operating systems.

Important Note: Before using, scan the corresponding configuration barcode from the user manual (physical copy) to set up the desired connection mode and other settings.

Operating Modes

The NT-1950 supports three primary scanning modes:

- **Manual Trigger:** Press the trigger button to scan each barcode individually.
- **Continuous Scanning:** The scanner continuously emits a scan beam, reading barcodes as they pass through the field of view.
- **Auto-Sensing:** The scanner automatically detects a barcode in its field of view and scans it without requiring a trigger press. This mode is ideal for hands-free operation when placed in the charging dock.

Storage Mode

When Bluetooth or wireless connections are unavailable, the scanner can operate in storage mode. It has a capacity to store up to 100,000 barcodes. To retrieve stored data, reconnect the scanner to your device and scan the "Upload Data" configuration barcode from the user manual.

Durability and Protection

The NETUM NT-1950 is built to withstand harsh industrial environments.

IP67 Waterproof and Dustproof

The scanner is IP67-rated, meaning it is completely protected against dust ingress and can withstand immersion in water up to 1 meter for 30 minutes. This makes it suitable for use in dusty warehouses or environments where splashes are common.



Figure 6: The NT-1950 scanner demonstrating its IP67 waterproof capability.

Shock Protection

Its rugged construction and durable silicone casing protect the scanner from damage, even with drops from up to 12 ft (3.65 m). This ensures reliability in busy work settings.



Figure 7: The scanner is designed to withstand drops from significant heights.

Your browser does not support the video tag.

Video 1: Official product video demonstrating the features and capabilities of the NETUM NT-1950 barcode scanner, including its rugged design, scanning performance, and connectivity options.

Scanning Capabilities

The NT-1950 is equipped with a 1280H × 800V (1M) CMOS sensor, enabling fast and precise scanning of various barcode types.

- **Speed:** Maximum frame rate of 60 FPS for rapid data capture.
- **Precision:** Reads 1D barcodes as small as 4 mil and 2D barcodes as small as 5 mil (HD).
- **Supported Barcodes:** Includes, but is not limited to, Maxi, HanXin, Azter 15mils, Grid Matrix, Dotcode, GS1 DM, PDF417 8mils, QR 7mils, QR 8mils, Composite, GS1 Code 128, Bank Code.



Figure 8: The scanner's advanced sensor allows for effortless decoding of small, high-density, and long barcodes.



Figure 9: The red laser target and oversized aperture facilitate scanning of diverse barcode formats.

Specifications

Feature	Detail
Model Number	NT-1950
Product Dimensions	7.09 x 2.56 x 3.74 inches
Item Weight	1.1 pounds
Battery	1 Lithium Polymer (2600mAh)
Connectivity Technology	2.4G Wireless, Bluetooth (HID, SPP, BLE)
Compatible Devices	Laptop, Desktop, Tablet, Smartphone, POS
Sensor Type	1280H × 800V (1M) CMOS
Protection Rating	IP67 (Waterproof, Dustproof)
Drop Resistance	Up to 12 ft (3.65 m)

Maintenance

To ensure optimal performance and longevity of your NETUM NT-1950 barcode scanner, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the scanner's exterior with a soft, damp cloth. For the scanning window, use a lint-free cloth and a mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive materials that could scratch the lens.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures. When not in use for extended periods, ensure the battery is partially charged (around 50%) to preserve battery health.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge the scanner when the battery indicator is low.
- **Dock Care:** Keep the charging dock clean and free of debris to ensure proper contact with the scanner's charging pins.

Troubleshooting

If you encounter issues with your NT-1950 scanner, refer to the following common troubleshooting steps:

- **Scanner Not Responding:**
  - Ensure the scanner is charged.
  - Verify the connection (2.4G receiver properly plugged in, Bluetooth paired).
  - Try resetting the scanner by scanning the "Factory Reset" barcode from the user manual (physical copy).
- **Unable to Scan Barcodes:**
  - Check if the scanning window is clean and free of obstructions.
  - Ensure the barcode is within the scanner's reading range and properly illuminated.
  - Confirm the scanner is in the correct operating mode (e.g., not in storage mode if you expect live data).
  - Verify that the barcode type is supported by the scanner.
- **Connectivity Issues:**
  - For 2.4G, ensure the receiver is not too far from the scanner and there are no major obstructions.
  - For Bluetooth, unpair and re-pair the device. Ensure no other Bluetooth devices are causing interference.
- **Data Transmission Errors:**

- Ensure the cursor is in the correct input field on your device.
- Check keyboard language settings on your device if characters are incorrect.

For more detailed troubleshooting or issues not covered here, please refer to the complete user manual provided with your product or contact NETUM customer support.

Warranty and Support

NETUM backs this product with a **1-year warranty** from the date of purchase.
If you encounter any issues or require technical assistance, please contact NETUM customer support through the vendor's contact information provided at the point of purchase or on the official NETUM website. Please have your model number (NT-1950) and purchase details ready when contacting support.

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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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