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> NETUM Upgraded QR Industrial Bluetooth Barcode Scanner User Manual

NETUM NT-1202W

User Manual

NETUM Upgraded QR Industrial Bluetooth Barcode Scanner

Model: NT-1202W

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your NETUM NT-1202W Industrial Bluetooth Barcode Scanner. Designed for robust performance in various environments, this scanner offers advanced 1D and 2D barcode reading capabilities, multiple connectivity options, and a durable, industrial-grade construction.

Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its lifespan.



Image: The NETUM NT-1202W barcode scanner resting in its charging dock, showcasing its robust design.

SAFETY INFORMATION

To ensure safe operation and prevent damage to the device or injury to yourself, please observe the following safety precautions:

- Do not stare directly into the scanner's light source. The red dot LED aimer is for targeting only.
- Keep the device away from extreme temperatures, direct sunlight, and corrosive materials.
- Do not attempt to disassemble or modify the scanner or charging dock. This will void the warranty.
- Use only the provided charging dock and cable for charging.
- Dispose of batteries according to local regulations. Do not incinerate.

PACKAGE CONTENTS

Verify that all items are present in your package:

- NETUM NT-1202W Barcode Scanner
- Charging Dock
- USB Charging Cable
- User Manual (this document)

PRODUCT OVERVIEW

The NETUM NT-1202W is a high-performance industrial barcode scanner designed for reliability and efficiency. Key components include:

- **Scanning Window:** Area through which barcodes are read.
- **Trigger Button:** Activates the scanning beam in manual mode.
- **Indicator Lights:** Provide status feedback (e.g., power, connection, scan success).
- **Charging Port:** Located on the scanner for direct charging if needed.
- **Charging Dock:** Provides convenient charging and acts as a 2.4G wireless receiver.



Image: Front view of the NETUM NT-1202W barcode scanner and its charging dock.

SETUP

1. Charging the Device

Before first use, fully charge the scanner. Place the scanner onto the charging dock, ensuring the contacts align. The indicator light on the scanner will show charging status. A full charge typically takes approximately 4 hours.

2600mAh
LARGE CAPACITY BATTERY

- **4-5 HOURS**
charging time
- **100 DAYS**
Standby Time

Durable & Long Lasting



Image: The scanner in its charging dock, illustrating the 2600mAh battery and charging process.

2. Connecting via 2.4G Wireless

For plug-and-play connectivity, use the 2.4G wireless mode:

1. Plug the USB receiver from the charging dock into an available USB port on your computer (PC, Laptop).
2. The system will automatically install the necessary drivers.
3. The scanner will connect wirelessly to the receiver. You can now begin scanning.



2.4Ghz
Wireless mode



Bluetooth
Mode



Image: Illustration of 2.4GHz wireless connectivity with a computer, compatible with Windows, Linux, and Mac OS.

3. Connecting via Bluetooth

The scanner supports HID, SPP, and BLE modes for Bluetooth connection. Follow these steps for HID mode (most common for direct input):

1. Ensure the scanner is powered on.
2. Scan the "Bluetooth Pairing" barcode from the user manual (refer to the physical manual for specific barcodes).
3. On your device (smartphone, tablet, PC), go to Bluetooth settings and search for available devices.
4. Select "NT-1202W" or a similar name from the list to pair.
5. Once paired, the scanner's indicator light will confirm the connection.

2 IN 1 BARCODE SCANNER



2.4G Wireless Connection



Built in usb receiver, Makes the scanner completely plug-n-play.



Bluetooth Connection

Image: Visual guide for connecting the scanner via Bluetooth to mobile devices and computers.

OPERATING INSTRUCTIONS

Scanning Modes

The NT-1202W offers three primary scanning modes:

- **Manual Trigger Mode:** Press the trigger button to activate the scanning beam and read a barcode.
- **Continuous Scanning Mode:** The scanning beam remains active, continuously reading barcodes as they are presented.
- **Auto-Sensing Scanning Mode:** The scanner automatically detects a barcode in its field of view and activates the scanning beam to read it. This mode is ideal for hands-free operation when placed on the dock.

To switch between modes, scan the corresponding setting barcodes found in your physical user manual.

Storage Mode

When out of range of Bluetooth or 2.4G wireless connectivity, the scanner can store up to 100,000 barcodes in its internal memory. To retrieve stored data, reconnect the scanner to your device and scan the "Upload Data" barcode from the manual.

Superior Scanning Performance

Equipped with an advanced 1280H × 1024V pixels (1.3M) CMOS sensor, the NT-1202W provides high-speed global exposure and a maximum frame rate of 120FPS. It can smoothly read various small barcodes:

- 1D barcodes: ≥3 mil
- 2D barcodes (HD): ≥5 mil
- 2D barcodes (SR): ≥7 mil

Superior Scanning Performance

Can read all kinds of small barcodes smoothly 1D: ≥ 3 mil ; 2D: ≥ 5 mil(HD)



Image: The scanner's advanced sensor and its capability to read various barcode types, including QR, Data Matrix, and UPC.

Supported Symbolologies

The scanner supports a wide range of 1D and 2D barcode symbolologies, making it versatile for various applications:

1D Symbolologies	2D Symbolologies
Bookland EAN, Chinese 2 of 5, Codabar, Code 11, Code 39, Code 93, Code 128, Composite CC-A/B, Composite CC-C, Composite TLC, Discrete 2 of 5, EAN-13/JAN, EAN-8/JAN, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, ISBT 128, ISSN EAN, Matrix 2 of 5, MSI, UPC/EAN/JAN, UPC A	Aztec, Data Matrix, DotCode, GS1 Data Matrix, GS1 QR Code, Maxicode, Micro PDF417, MicroQR, PDF417, QR Code



Image: Examples of various barcode symbologies supported by the scanner.

MAINTENANCE

Cleaning

To maintain optimal scanning performance, keep the scanning window clean. Use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive cleaner. Do not use harsh chemicals or abrasive materials.

Battery Care

The scanner is equipped with a 2600mAh Lithium Polymer battery. To prolong battery life:

- Avoid fully discharging the battery frequently.
- Store the device in a cool, dry place when not in use for extended periods.
- Charge the battery regularly, even if the device is not in active use.

Durability Features

The NT-1202W is built for industrial environments, featuring IP67 dust-proof, splash-proof, and waterproof performance, and robust drop protection.



DUST-PROOF

SPLASH-PROOF

IP67



WATERPROOF

Image: The scanner demonstrating its IP67 rating in dusty and wet environments.

IP67 WATERPROOF

Capable of passing the 30-minute waterproof resistance test



Image: Visual representation of the scanner's ability to withstand drops from 3 meters and its waterproof design.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner not powering on.	Low battery.	Charge the scanner fully using the provided dock and cable.
Scanner not connecting via 2.4G wireless.	USB receiver not properly plugged in; scanner out of range.	Ensure the USB receiver is securely plugged into the host device. Move the scanner closer to the receiver.
Scanner not connecting via Bluetooth.	Not in pairing mode; incorrect Bluetooth mode selected; device's Bluetooth is off.	Scan the "Bluetooth Pairing" barcode. Ensure Bluetooth is enabled on your host device. Try re-pairing.

Problem	Possible Cause	Solution
Cannot read barcodes.	Scanning window dirty; barcode damaged; incorrect symbology settings.	Clean the scanning window. Ensure the barcode is clear and undamaged. Verify scanner settings for supported symbologies.
Scanned data not appearing on screen.	Not connected to host device; application not in focus.	Ensure the scanner is properly connected. Click into a text field or application where you want the data to appear.

SPECIFICATIONS

Feature	Detail
Model Number	NT-1202W
Sensor Resolution	1280H × 1024V pixels (1.3M CMOS)
Scanning Angle	Left/Right ±60°, Up/Down ±60°, Rotate 360°
Reading Accuracy	1D: ≥3mil; 2D: ≥5mil (HD); 2D: ≥7mil (SR)
Connectivity	2.4G Wireless, Bluetooth (HID / SPP / BLE)
Battery Capacity	2600mAh Lithium Polymer
Expected Battery Life	20 hours of continuous operation (approx. 30 working days if scanning 2000 barcodes/day)
Expected Charge Time	4-5 hours
Flash Memory	2MB (stores up to 100,000 barcodes)
Drop Protection	Withstands multiple drops from up to 12 ft (3.65 m)
Environmental Protection	IP67 (Dust-proof, Splash-proof, Waterproof)
Product Dimensions	2.56 x 3.74 x 7.09 inches
Item Weight	1.34 pounds
Compatible Devices	Laptop, Desktop, POS, Tablet, Smartphone (Windows, Mac, Android, iOS, Linux)

WARRANTY AND SUPPORT

NETUM provides a **1-year warranty** from the date of purchase for the NT-1202W barcode scanner. This warranty covers manufacturing defects and malfunctions under normal use.

For technical support, warranty claims, or any inquiries regarding your product, please contact NETUM customer service through the platform where you purchased the device or refer to the contact information provided in your product packaging.

Please retain your proof of purchase for warranty validation.