

## NetumScan RD-1288

# NetumScan Industrial Bluetooth QR Barcode Scanner RD-1288(NS) User Manual

## 1. INTRODUCTION

This manual provides detailed instructions for the NetumScan RD-1288(NS) Industrial Bluetooth QR Barcode Scanner. This device is designed for efficient and reliable barcode scanning in various environments, featuring robust construction, versatile connectivity, and advanced scanning capabilities. Please read this manual thoroughly before operating the scanner to ensure proper use and optimal performance.

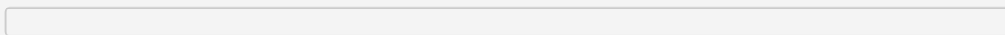


Figure 1.1: NetumScan RD-1288(NS) Barcode Scanner with Charging Stand

## 2. PRODUCT FEATURES

- **Industrial Durability:** IP67 waterproof and 7-meter (22ft) drop-proof design for harsh environments.
- **Wireless Charging:** Convenient charging via the included stand.
- **Extended Battery Life:** 2600mAh battery provides 11-12 hours of continuous use.
- **Versatile Connectivity:** Supports 2.4G wireless via USB dongle (built into the stand) and Bluetooth (HID/SPP/BLE modes).
- **Long Transmission Range:** Up to 300m (984ft) in open areas with 2.4G, and 35m (115ft) with Bluetooth.
- **Multiple Scanning Modes:** Manual scan, auto-sensing scan, and continuous scan.
- **Data Upload Modes:** Instant upload and storage mode (up to 100,000 barcodes offline).
- **High-Resolution Scan Engine:** Reads various 1D and 2D barcodes, including damaged, dirty, or poorly printed codes.
- **Broad Compatibility:** Works with Windows, Mac OS, iOS, and Android operating systems.

Figure 2.1: IP67 Waterproof and 7-Meter Drop Proof Design

## 3. SETUP AND CONNECTION

### 3.1 Package Contents

- NetumScan RD-1288(NS) Barcode Scanner
- Charging Stand with 2.4G USB Dongle
- USB Charging Cable
- User Manual (this document)

### 3.2 Charging the Scanner

1. Connect the USB charging cable to the charging stand and a power source (e.g., computer USB port, USB wall adapter).
2. Place the scanner onto the charging stand. Ensure the charging contacts align.
3. The indicator light on the scanner will show charging status. A full charge typically takes approximately 4-5 hours.

### 3.3 Connecting to a Device

The scanner supports two primary connection methods: 2.4G Wireless via USB dongle and Bluetooth.

Figure 3.1: Two Connection Methods

#### 3.3.1 2.4G Wireless Connection (Recommended for PC/Mac)

1. Plug the charging stand's USB cable into your computer's USB port. The 2.4G wireless dongle is integrated into the stand.
2. The computer will automatically detect and install the necessary drivers. The scanner will function as a keyboard input device.
3. Turn on the scanner. It will automatically pair with the 2.4G dongle.
4. Open a text editor or any application where you want to input scanned data and test by scanning a barcode.

#### 3.3.2 Bluetooth Connection (for Mobile Devices/PC/Mac)

1. Ensure the scanner is powered on.
2. Scan the Bluetooth pairing barcode (refer to the separate configuration guide or the manual included in the box for specific barcodes).
3. On your device (smartphone, tablet, computer), go to Bluetooth settings and search for available devices.
4. Select "NetumScan Scanner" or a similar name from the list to pair.
5. Once paired, the scanner's indicator light will confirm the connection.

Figure 3.2: System Compatibility

## 4. OPERATING THE SCANNER

### 4.1 Scanning Modes

- **Manual Scan:** Press the trigger button to activate the scan beam and read a barcode.
- **Auto-Sensing Scan:** The scanner automatically detects a barcode within its field of view and scans it without pressing the trigger.
- **Continuous Scan:** The scan beam remains active, continuously scanning barcodes.

To switch between scanning modes, refer to the configuration barcodes provided in the full user manual or quick start guide.

## 4.2 Data Upload Modes

Figure 4.1: Instant Upload Mode vs. Storage Mode

- **Instant Upload Mode:** Scanned barcodes are immediately transmitted to the connected device. This is the default mode.
- **Storage Mode:** Scanned barcodes are stored in the scanner's internal memory. This mode is useful when out of wireless range. The scanner can store up to 100,000 barcodes. To upload stored data, reconnect the scanner to your device and scan the "Upload Stored Data" configuration barcode (found in the full manual).

## 4.3 Barcode Symbologies Supported

The NetumScan RD-1288(NS) supports a wide range of 1D and 2D barcode types:

Figure 4.2: High-Resolution Scan Engine and Supported Barcodes

- **2D Barcodes:** PDF 417, Micro PDF 417, Data Matrix, QR Code, Micro QR, Aztec, MaxiCode, Direct Part Mark.
- **1D Barcodes:** UPCA / UPC E, EAN8 / EAN 13, Code 128, Code 39, Code 93, Code 32, Code 11, Composite Code-A, Codabar, Industrial 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 DataBar (RSS).

Figure 4.3: Support for Special and Challenging Barcodes

## 5. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the scanner's exterior. For the scanning window, use a lint-free cloth and a mild cleaning solution suitable for optics. Do not use abrasive cleaners or solvents.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. If storing for an extended period, charge the battery to about 50% and recharge every few months.
- **Firmware Updates:** Periodically check the NetumScan official website for any available firmware updates to ensure optimal performance and compatibility.

## 6. TROUBLESHOOTING

- **Scanner not connecting:** Ensure the scanner is charged and powered on. For 2.4G, verify the USB dongle is properly connected to the computer. For Bluetooth, ensure the scanner is in pairing mode and visible in your device's Bluetooth settings.
- **No data transmitted after scanning:** Check if the scanner is in Instant Upload Mode. If in Storage Mode, you need

to manually upload the data. Ensure the cursor is in an active text field on your connected device.

- **Unable to read certain barcodes:** Ensure the barcode symbology is enabled. Refer to the full configuration manual for enabling specific barcode types. Clean the scanning window if it is dirty.
- **Short battery life:** Ensure the scanner is fully charged. Reduce screen brightness or disable unnecessary features if applicable. Battery performance may degrade over time with extensive use.
- **Scanner beeps but doesn't transmit:** This might indicate a successful scan but a connection issue. Re-establish the connection or try a different connection method.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	RD-1288(NS)
Connectivity Technology	Bluetooth, 2.4G Wireless Base
Battery Capacity	2600mAh Lithium Polymer (included)
Wireless Transmission Distance (2.4G)	Up to 300m (984ft) in barrier-free environment
Wireless Transmission Distance (Bluetooth)	Up to 35m (115ft)
Durability	IP67 Waterproof, 7M (22ft) Drop Proof
Offline Storage Capacity	Up to 100,000 barcodes
Supported OS	Windows, Mac OS, iOS, Android
Item Weight	1.43 pounds
Package Dimensions	8.7 x 6.1 x 3.31 inches

Figure 7.1: Wireless Transmission Range

## 8. WARRANTY AND SUPPORT

NetumScan products typically come with a manufacturer's warranty. For specific warranty details, including duration and coverage, please refer to the warranty card included with your product or visit the official NetumScan website. For technical support, troubleshooting assistance, or service inquiries, please contact NetumScan customer service through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.