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› NETUM 2D Barcode Scanner User Manual

NETUM NT-1228BL

NETUM 2D Barcode Scanner User Manual

Model: NT-1228BL

Brand: NETUM

INTRODUCTION

The NETUM NT-1228BL 2D Barcode Scanner is a versatile and efficient device designed for various scanning applications. It supports 1D, 2D, and Postal barcodes, including QR Code, PDF417, and Data Matrix, from both printed materials and digital screens. This scanner offers multiple connectivity options: 2.4G Wireless, Bluetooth, and USB Wired, ensuring broad compatibility with laptops, PCs, mobile phones, tablets, and POS systems.

Equipped with a high-performance CMOS sensor and a large 2600mAh battery, the NT-1228BL provides reliable and fast scanning with extended operational time. This manual provides detailed instructions for setting up, operating, and maintaining your scanner.

PRODUCT OVERVIEW



Figure 1: NETUM NT-1228BL 2D Barcode Scanner with USB dongle and cables.

The NT-1228BL scanner is designed for ease of use and durability. Key components include the scanning window, trigger button, and connectivity ports. The package typically includes the scanner unit, a 2.4G wireless receiver, and a USB charging/data cable.



Figure 2: Product packaging displaying brand and contact details. For support, visit www.netum.net or email service@netum.net.

SETUP

The NETUM NT-1228BL offers three primary connection methods:



Figure 3: Visual representation of the three connectivity options.

1. USB Wired Connection (Plug and Play)

This is the simplest connection method. Connect the scanner directly to your computer using the provided USB cable. The scanner will be recognized automatically as a keyboard input device, and no additional drivers are required.

1. Connect the small end of the USB cable to the scanner's USB port.
2. Connect the standard USB end of the cable to an available USB port on your computer.
3. The scanner will power on and be ready for use.

Your browser does not support the video tag.

Video 1: Demonstrates the wired connection setup and basic functionality of the NETUM 2D Barcode Scanner.

2. 2.4G Wireless Connection

For wireless operation, use the included 2.4G USB receiver.

1. Plug the 2.4G USB receiver into an available USB port on your computer or host device.
2. Turn on the scanner. It should automatically pair with the receiver.
3. A successful connection is usually indicated by a specific light or sound cue from the scanner (refer to the scanner's indicator lights section in the full manual for details).



Figure 4: The 2.4G wireless connection offers a maximum range of 100m/330ft in a barrier-free environment and 30m/99ft under obstacles.

3. Bluetooth Connection

The scanner can connect to Bluetooth-enabled devices such as smartphones, tablets, and some PCs.

1. Ensure your host device's Bluetooth is enabled.
2. Turn on the scanner.
3. Scan the "Bluetooth Pairing" barcode (refer to your full manual for specific configuration barcodes).
4. On your host device, search for Bluetooth devices and select "NETUM Barcode Scanner" (or similar name) from the list.
5. Confirm pairing if prompted.



Figure 5: The scanner is compatible with Mac OS, iOS, Android, and Windows XP/7/8/10 via Bluetooth.

The Bluetooth connection offers a maximum range of 50m/164ft in a barrier-free environment and 10m/33ft under obstacles.

OPERATING THE SCANNER

Scanning Barcodes

The NT-1228BL can decode a wide range of 1D and 2D barcodes.



Figure 6: The scanner's CMOS sensor enables omnidirectional reading of 1D, 2D, and QR codes from both paper and digital screens.

To scan, point the scanner's window at the barcode and press the trigger button. A successful scan is typically indicated by a beep and/or a green light.

Scanning Modes

The scanner supports different scanning modes to suit various operational needs:

- **Button Trigger Mode:** Scan a barcode by pressing the trigger button.
- **Automatic Continuous Reading Mode:** The scanner continuously scans without needing to press the trigger.
- **Automatic Detection Mode:** The scanner activates and scans when a barcode is presented within its field of view.

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Video 2: Illustrates the three types of scanning modes available with the NETUM Barcode Scanner.

Data Upload Modes

The scanner offers two data upload modes:

- **Instant Upload Mode:** Barcode data is transmitted immediately to the connected device after each scan.
- **Storage Mode:** Barcode data is stored in the scanner's internal flash memory. This mode is useful when out of range of the receiver. The scanner can store approximately 130,000 Code128 barcodes. Data can be uploaded later by scanning a specific "Upload Data" barcode (refer to your full manual).



Figure 7: The scanner supports both instant data upload and offline storage modes.

Adding Prefix/Suffix

The scanner can be configured to add prefixes or suffixes to scanned data. This functionality is typically enabled by scanning specific configuration barcodes found in the detailed user manual.



Figure 8: Illustration of how prefixes and suffixes can be added to scanned barcode data.

MAINTENANCE

Charging the Battery

The scanner is equipped with a 2600mAh rechargeable battery. A full charge takes approximately 4 hours and provides over 9 hours of continuous scanning or 2 months of standby time.

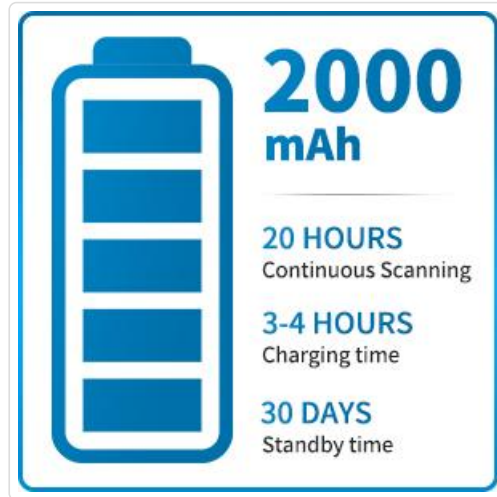


Figure 9: Battery specifications including capacity, continuous scanning time, charging time, and standby time.

To charge, connect the scanner to a USB power source (e.g., computer USB port, USB wall adapter) using the provided USB cable. The indicator light will show charging status (e.g., orange while charging, green when full).

Cleaning the Scanner

To ensure optimal performance and longevity, keep the scanner clean.

- Use a soft, clean, lint-free cloth to wipe the exterior of the scanner.
- For the scanning window, use a lens cleaning cloth or a soft cloth lightly dampened with a mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive materials that could scratch the window.
- Do not immerse the scanner in water or any cleaning solution.

Storage

When not in use for extended periods, store the scanner in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the battery is partially charged (around 50%) before long-term storage to preserve battery health.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner does not turn on or read barcodes.	Low battery; Scanner is off.	Charge the scanner for 2-3 hours. Press the trigger button to wake it up.
Cannot connect via Bluetooth.	Bluetooth not enabled on host device; Scanner not in pairing mode; Interference.	Ensure Bluetooth is on. Scan the "Bluetooth Pairing" barcode. Move closer to the host device.

Problem	Possible Cause	Solution
Cannot scan certain barcodes.	Barcode type disabled by default; Damaged or poor quality barcode; Scanner not optimized for specific barcode (e.g., long 1D, automotive QR with dark background).	Refer to the full manual to enable specific barcode types (e.g., Interleave 2 of 5). Ensure barcode is clear and well-lit. Note: Scanner may not read long 1D barcodes (>6cm) or QR codes with dark backgrounds (e.g., from DMV).
Scanned data is incorrect or incomplete.	Partial scan; Incorrect keyboard layout.	Ensure the red line covers the entire barcode. Verify the scanner's keyboard layout is set to US Keyboard (default).
iOS device keyboard does not appear when scanner is connected.	iOS system behavior.	Scan the specific barcode in the manual to toggle the iOS on-screen keyboard.

If you encounter issues not listed here or require further assistance, please contact NETUM customer support.

SPECIFICATIONS

Feature	Detail
Model	NT-1228BL
Decoding Capability	1D, 2D, Postal barcodes (QR Code, PDF417, Data Matrix, etc.)
Sensor	CMOS
Connectivity	2.4G Wireless, Bluetooth, USB Wired
Wireless Range (2.4G)	Max 100m/330ft (barrier-free), 30m/99ft (obstacles)
Wireless Range (Bluetooth)	Max 50m/164ft (barrier-free), 10m/33ft (obstacles)
Battery Capacity	2600mAh
Continuous Scanning Time	Over 9 hours
Standby Time	2 months
Charging Time	Approx. 4 hours
Scanning Speed	Up to 300 scans/second
Internal Storage	Approx. 130,000 Code128 barcodes
Compatibility	Windows XP/7/8/10, Mac OS, Windows Mobile, Android OS, iOS
Keyboard Layout	US Keyboard (default)

WARRANTY AND SUPPORT

NETUM provides a **1-year warranty** from the date of purchase for the NT-1228BL barcode scanner. This warranty covers manufacturing defects and ensures product reliability.

For any questions, technical support, or warranty claims, please do not hesitate to contact us:

- **Website:** www.netum.net
- **Email:** service@netum.net

Our customer service team is dedicated to providing prompt and helpful assistance.