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NETUM DS5000

NETUM DS5000 Bluetooth Wireless 1D Barcode Scanner User Manual

Model: DS5000

1. INTRODUCTION

Thank you for choosing the NETUM DS5000 Bluetooth Wireless 1D Barcode Scanner. This device combines mobility with efficient 1D scanning performance, designed to streamline inventory control and various business solutions. It features versatile connectivity options, a superior CCD sensor, and a durable design for long-term use. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance.

2. PRODUCT OVERVIEW

The NETUM DS5000 is a hands-free CCD barcode reader with a stand and built-in memory, compatible with MAC OS, Windows, iOS, and Android systems.



Figure 2.1: NETUM DS5000 Barcode Scanner and Charging Stand.

2.1. Key Features

- **Efficient Wireless Scanning:** Combines mobility with 1D scanning performance for faster inventory control.
- **Superior CCD Sensor:** Scans most 1D symbologies up to 12 inches away with 200 scans per second. Effective under light levels up to 100,000 lux.
- **Bluetooth Dual Mode Technology:** Supports Bluetooth LE V4.2 & Bluetooth 2.1+EDR (Class 1) for flexible connectivity with smartphones, tablets, and PCs.
- **User-Friendly Cradle Accessory:** Supports auto Bluetooth pairing and allows switching between trigger or presentation mode. Scanned data is saved to memory when out of range and transmitted upon reconnection.

- **Compact and Durable:** Built for all-day use with up to 40 hours of battery life and rugged design for protection against dust and moisture.

2.2. Components and Dimensions



Figure 2.2: Multifunctional Base with Charging Port and 2.4Ghz Wireless Connection capabilities.



Figure 2.3: Product Dimensions. Scanner height approx. 200mm, base width approx. 74.5mm.

3. SETUP AND CONNECTION

The DS5000 offers both Bluetooth and 2.4G Wireless connection modes for versatile use.

Figure 3.1: The DS5000 supports both Bluetooth and 2.4GHz Wireless connections.

3.1. Bluetooth Mode Setup

1. Turn on the power switch of the scanner.
2. Scan the 'BT Mode' barcode (usually found in the quick start guide or on the device itself) to activate Bluetooth mode.
3. On your device (smartphone, tablet, PC), go to Bluetooth settings and search for 'DS barcode scanner' or 'NETUM Bluetooth'.
4. Select the scanner to pair and connect.

3.2. 2.4G Wireless Mode Setup

1. Connect the scanner's base to your device (laptop, PC) via the USB cable.
2. Scan the '2.4G Mode' barcode (usually found in the quick start guide or on the device itself) to activate 2.4G wireless mode.
3. The scanner will automatically connect to the USB dongle.

Video 3.1: Demonstration of Bluetooth and 2.4G Wireless connection for a similar NETUM barcode scanner model (DS7500).
The connection process is similar for the DS5000.

4. OPERATING INSTRUCTIONS

4.1. Scanning Barcodes

To scan a barcode, point the scanner's window at the barcode and press the trigger button. A successful scan will typically be indicated by a beep and/or a light indicator. The scanned data will be transmitted to your connected device.

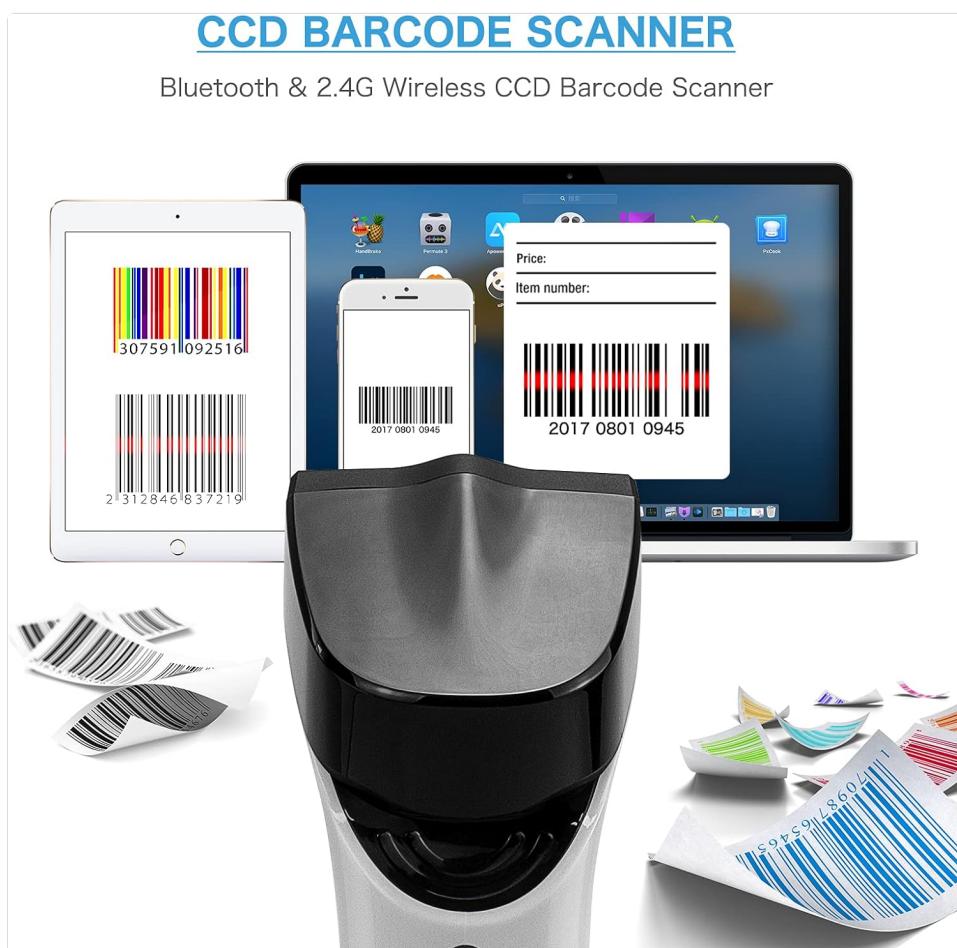


Figure 4.1: The CCD sensor allows for efficient scanning of 1D barcodes from various surfaces. Example barcode value: 201708010942.

4.2. Upload Modes

- **Instant Upload Mode:** Read barcodes and upload data directly to the open file or application on your device.
- **Storage Mode:** All scanned barcodes are stored directly into the scanner's built-in memory. You can upload the data to your device in batch later.

4.3. Supported 1D Symbologies

- UPC/EAN/JAN, UPC-A & UPC-E, EAN-8 & EAN-13, JAN-8 & JAN-13, ISBN/ISSN
- Code 39, Codabar, Code 128 & EAN 128, Code 93, ITF 2 of 5, IATA Code, MSI, China Postal Code, Code 32, Industrial 2 of 5, Standard 2 of 5, JAP, Code 11
- GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Telepen

4.4. Trigger Modes

- **Key Trigger Mode:** Scanning light is only active when the trigger is pressed.
- **Continuous Scan Mode:** Scanning light is always on when the scanner is powered. Barcodes are read without pressing the button.
- **Auto-induction Mode:** Scanning light is off until a barcode is presented. Once detected, the light turns on automatically to read the barcode.

4.5. Programmable Configuration

The scanner supports various programmable configurations by scanning specific command barcodes (refer to the full user manual for a complete list):

- Add custom prefixes/suffixes, delete characters.
- Add keyboard keys/combinations (e.g., TAB, CR&LF, Home).
- Enable or disable specific barcode types.
- Turn on/off the beep sound, change character case (capital/lower).

5. MAINTENANCE

To ensure the longevity and optimal performance of your NETUM DS5000 barcode scanner, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. For the scanning window, use a lint-free cloth lightly dampened with a mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures. When not in use, place it in its charging cradle or a protective case.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the scanner regularly, especially if it will be stored for an extended period.
- **Handling:** While the DS5000 is designed to be durable, avoid dropping the device or subjecting it to severe impacts.

6. TROUBLESHOOTING

If you encounter issues with your NETUM DS5000 scanner, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Scanner does not power on.	Low battery; Power switch off.	Charge the scanner; Ensure the power switch is in the 'ON' position.

Problem	Possible Cause	Solution
Cannot connect via Bluetooth.	Bluetooth mode not activated; Device not discoverable; Interference.	Scan 'BT Mode' barcode; Ensure Bluetooth is enabled on your device and scanner is in pairing mode; Move closer to the device or away from interference sources. If switching from SPP/BLE to HID, ignore/delete "Netum Bluetooth" from device, turn off Bluetooth, scan HID command barcode, then re-pair.
Cannot connect via 2.4G Wireless.	2.4G mode not activated; USB dongle not properly connected.	Scan '2.4G Mode' barcode; Ensure USB dongle is securely plugged into your device.
Scanner does not read barcodes.	Barcode damaged/unreadable; Incorrect symbology enabled; Scanner out of range.	Try scanning a different barcode; Ensure the barcode type is enabled in scanner settings; Move closer to the barcode.
Scanned data is incorrect or incomplete.	Incorrect configuration (prefix/suffix); Data format issue.	Review programmable configuration settings (refer to full manual for details).
Scanner beeps continuously.	Error condition; Low battery.	Refer to the full manual for specific beep codes; Charge the battery.

For more detailed troubleshooting or advanced configurations, please refer to the comprehensive DS5000 User Manual (PDF) provided by NETUM.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	1.97 x 3.94 x 2.36 inches
Item Weight	12.3 ounces
Item Model Number	DS5000
Batteries	1 Lithium Metal battery required (included)
Compatible Devices	Tablet, PC (Windows, Mac OS, Linux), Mobile (iOS, Android)
Power Source	Battery Powered
Connectivity Technology	Bluetooth, 2.4G Wireless
Manufacturer	NETUM
Country of Origin	China
Scanning Performance	200 scans per second

Feature	Detail
Scan Field	Up to 12 inches away
Light Level Tolerance	Up to 100,000 lux
Bluetooth Transmission Range	Up to 10 meters (33 feet) in obstacles environment; 20 meters (65 feet) in barrier-free environment.
2.4G Wireless Transmission Range	Up to 15 meters (49 feet) in obstacles environment; 50 meters (164 feet) in barrier-free environment.

8. WARRANTY AND SUPPORT

NETUM products are designed for reliability and performance. For specific warranty information regarding your DS5000 barcode scanner, please refer to the warranty card included with your product or contact NETUM customer support directly. Support resources, including FAQs and additional documentation, may also be available on the official NETUM website.

Contact Information: Please refer to the packaging or the official NETUM website for the most up-to-date customer support contact details.