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NEWLAND HR5280-BT

Newland HR5280-BT Handheld Barcode Scanner User Manual

Model: HR5280-BT (NLS-HR5280-BT-C(U))

1. Introduction

This manual provides instructions for the safe and efficient operation of your Newland HR5280-BT Handheld Barcode Scanner. This device is designed for rapid and accurate scanning of 1D, 2D, and postal barcodes in various environments such as retail, warehousing, and logistics. Featuring Bluetooth 5.0 connectivity and a robust IP54-rated design, it offers reliable performance and durability.

2. Package Contents

Please check the box for the following items:

- 1 x Newland HR5280-BT Handheld Scanner
- 1 x USB Charging Cable
- 1 x User Manual (this document)



Image 2.1: Contents of the Newland HR5280-BT package, showing the scanner and its USB cable.

3. Device Overview



Image 3.1: Key components of the Newland HR5280-BT scanner, including the scan head, trigger button, and handle support.

- **Scan Head:** Contains the megapixel camera for barcode capture.
- **Trigger Button:** Activates the scanning beam.
- **Handle Support:** Provides ergonomic grip and stability.
- **USB Port:** For charging and wired data transfer.

4. Setup

4.1 Charging the Scanner

Before first use, fully charge the scanner. Connect the supplied USB cable to the scanner's USB port and the other end to a USB power adapter (not included) or a computer's USB port. The charging indicator light will show the charging status.

The 2400mAh battery provides approximately 12 hours of continuous use on a full charge.

4.2 Connecting via USB (Wired Mode)

The scanner supports plug-and-play functionality via USB. Simply connect the scanner to your computer using the USB cable. The scanner will be recognized as a HID (Human Interface Device) keyboard, and scanned data will appear as keyboard input in any active text field.

4.3 Connecting via Bluetooth (Wireless Mode)

The HR5280-BT uses Bluetooth 5.0 for wireless connectivity. Follow these steps to pair with your host device:

1. **Power On:** Ensure the scanner is powered on.
2. **Enter Pairing Mode:** Scan the specific Bluetooth pairing barcode (usually found in a separate quick start guide or by scanning a configuration barcode). The scanner will emit a specific tone or indicator light will flash to confirm it's in pairing mode.
3. **Enable Bluetooth on Host Device:** On your computer, tablet, or smartphone, go to Bluetooth settings and enable Bluetooth.
4. **Select Scanner:** Look for "Newland HR5280-BT" or a similar device name in the list of available devices and select it to pair.
5. **Confirm Pairing:** Once paired, the scanner will emit a confirmation tone, and the indicator light will change to a steady state.



Image 4.1: The Newland HR5280-BT scanner demonstrating compatibility with various operating systems (Android, Windows, Linux) and its wireless USB dongle.

5. Operating Instructions

5.1 Scanning Barcodes

1. **Aim:** Point the scan head towards the barcode you wish to scan.
2. **Trigger:** Press and hold the trigger button. A red aiming beam will be projected.
3. **Scan:** Position the aiming beam to cover the entire barcode. Once successfully scanned, the scanner will emit a beep, and the data will be transmitted to your connected device.

Image 5.1: The Newland HR5280-BT scanner actively decoding a barcode on a package, highlighting its ability to read a wide range of

formats.

5.2 Supported Barcode Symbologies

The HR5280-BT supports a comprehensive range of 1D, 2D, and Postal codes:

- **1D Codes:** EAN-13, EAN-8, UPC-A, UPC-E, Codabar, Code 128, Code93, ITF-6, ITF-14, China Post 25, Interleaved 2 of 5, Industrial 25, Standard 25, Matrix 25, GS1 Databar(RSS), GS1-128 (UCC/EAN-128), GS1 Composite.
- **2D Codes:** PDF417, Micro PDF 417, QR Code, Micro QR Code, Data Matrix, Aztec, Maxicode, Chinese Sensible Code, GM Code, Code One.
- **Postal Codes:** (Specific postal codes are supported as part of 1D/2D capabilities).

6. Maintenance

6.1 Cleaning the Scanner

- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the device.
- Gently wipe the scan window and the exterior of the scanner.
- Ensure no liquid enters the device openings.

6.2 Battery Care

- Avoid fully discharging the battery frequently to prolong its lifespan.
- Store the scanner in a cool, dry place when not in use for extended periods.
- Charge the battery regularly, even if not in use, to maintain its health.

7. Troubleshooting

Problem	Possible Cause	Solution
Scanner not powering on	Low battery	Charge the scanner for at least 30 minutes.
Scanner not scanning barcodes	Barcode damaged or poorly printed; Scanner not aimed correctly; Incorrect symbology enabled.	Ensure barcode is clear; Aim the beam across the entire barcode; Refer to advanced configuration guide for symbology settings.
No data transmitted to host device	Not paired (Bluetooth); USB cable loose or faulty; Host device not ready to receive input.	Re-pair the scanner via Bluetooth; Check USB cable connection; Ensure cursor is in a text field on the host device.
Bluetooth connection unstable	Out of range; Interference; Low battery.	Move closer to the host device (up to 50m range); Avoid sources of strong electromagnetic interference; Charge the scanner.

8. Specifications

Model Number	NLS-HR5280-BT-C(U)
Brand	NEWLAND
Connectivity	Bluetooth 5.0, USB Cable
Scan Engine	Megapixel Camera (1D/2D/Postal)
Battery	2400mAh (up to 12 hours continuous use)
Durability	IP54 Sealed Housing, 1.8-meter Drop Resistance
Compatible Devices	Desktop (and other Bluetooth-enabled devices)
Item Weight	227 Grams
Country of Origin	India



Image 8.1: Visual representation of the Newland HR5280-BT's key features, including its ergonomic design and high performance.

9. Warranty and Support

For warranty information and technical support, please contact your local Newland distributor or the importer:

Importer Contact Information:

Proffer IT Consultancy Pvt. Ltd.

DLF Prime Towers, Pocket F, Okhla Phase I,

Okhla Industrial Estate, New Delhi, Delhi 110020

Please retain your proof of purchase for warranty claims.

For more information, visit the officialNEWLAND Store on Amazon.

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