HENEX HC-2000R

HENEX HC-2000R Mini Barcode Scanner User Manual

Model: HC-2000R

1. Introduction

The HENEX HC-2000R is a versatile 3-in-1 mini barcode scanner designed for efficient and reliable data capture. It supports Bluetooth, 2.4GHz wireless, and wired USB connections, offering flexibility across various operating systems including Windows, Mac OS, iOS, and Android. This manual provides detailed instructions for setting up, operating, and maintaining your HC-2000R scanner.

2. Product Overview

The HC-2000R is a compact and lightweight CMOS barcode scanner capable of reading both 1D and 2D (QR, Data Matrix, PDF417) barcodes from paper and digital screens. Its ergonomic design ensures comfortable long-term use, and features like tactile vibration feedback and a mute buzzer enhance user experience in diverse environments.

Figure 2.1: HENEX HC-2000R Mini Barcode Scanner and accessories.

This image displays the HENEX HC-2000R mini barcode scanner, which is black and yellow, alongside its connectivity accessories: a USB cable and a 2.4G wireless USB dongle. The scanner itself has a screen showing a barcode and a "SCAN" button.

3. Package Contents

- HENEX HC-2000R Mini Barcode Scanner
- USB Type-C Charging/Data Cable
- 2.4GHz Wireless USB Dongle
- User Manual (this document)
- Lithium Ion Battery (pre-installed)

4. Setup and Connection

The HC-2000R offers three connection modes: Bluetooth, 2.4GHz Wireless, and Wired USB. No drivers are typically

required for installation; it's plug-and-play.

4.1. Bluetooth Connection

This mode allows wireless connection to devices with Bluetooth capability, such as smartphones, tablets, and laptops.

1. Ensure the scanner is charged.
2. Turn on the scanner.
3. Scan the Bluetooth pairing barcode (refer to the quick start guide or a specific barcode in the physical manual if available).
4. On your device (phone, tablet, PC), go to Bluetooth settings and search for "HENEX HC-2000R" or similar.
5. Select the scanner to pair. A successful connection will be indicated by a specific sound or light on the scanner.

Transmission Distance: Approximately 10m (33ft) in environments with obstacles, up to 50m (164ft) in barrier-free environments.

4.2. 2.4GHz Wireless Connection

This mode uses the included USB dongle for wireless connection to devices without Bluetooth, or for a more stable connection.

1. Plug the 2.4GHz USB dongle into an available USB port on your computer or device.
2. Turn on the scanner. It should automatically connect to the dongle. A successful connection will be indicated by a specific sound or light on the scanner.

Transmission Distance: Approximately 50m (99ft) in environments with obstacles, up to 100m (328ft) in barrier-free environments.

Figure 4.1: Wireless Transmission Distances.

This diagram illustrates the effective transmission ranges for both Bluetooth and 2.4GHz wireless connections. Bluetooth offers 15m (49ft) with obstacles and 30m (98ft) in barrier-free environments. 2.4GHz wireless offers 20m (66ft) with obstacles and 50m (164ft) in barrier-free environments.

4.3. Wired Connection

For direct connection and simultaneous charging, use the USB Type-C cable.

1. Connect the USB Type-C end of the cable to the scanner.
2. Connect the USB-A end of the cable to an available USB port on your computer or device.
3. The scanner will function as a wired scanner and charge simultaneously.

Figure 4.2: 3-in-1 Connection Modes.

This image visually represents the three connection modes: 2.4GHz Wireless, USB Wired, and Bluetooth, highlighting the scanner's versatility in connecting to various devices like laptops, tablets, and smartphones.

Figure 4.3: High Compatibility.

This image demonstrates the scanner's compatibility with Windows (7/8/10/XP), iOS, Android, Mac OS, and Linux operating systems, and devices such as PCs, laptops, tablets, iPads, and smartphones.

5. Operating Instructions

5.1. Scanning Barcodes

To scan a barcode, point the scanner's window at the barcode and press the "SCAN" button. A successful scan will be confirmed by a slight vibration and an audible beep (if not muted).
The HC-2000R utilizes CMOS scanning technology, allowing it to read barcodes from various surfaces, including computer monitors, smartphone screens, tablets, and through glass or plastic shrink wrap.

5.2. Supported Barcode Types

The scanner supports a wide range of 1D and 2D barcode symbologies:

- **1D Barcodes:** UPC, EAN, Code128, Code39, Code11, Interleaved 2 of 5, Codabar, MSI, etc.

- **2D Barcodes:** PDF417, Data Matrix, QR Code, Aztec Code, Maxicode, etc.

Figure 5.1: Supported Barcode Types.

This image illustrates examples of various 1D barcodes (One dimensional, Incomplete, High density, Deformation, Border) and 2D barcodes (PDF417, Minitype, QR Code, DataMatrix) that the HENEX HC-2000R scanner is capable of decoding.

5.3. Data Transfer Modes

The HC-2000R offers two data transfer modes:

- **Instant Upload Mode:** Barcodes are transmitted to the connected device immediately after scanning.
- **Offline Storage Mode:** Barcodes are stored in the scanner's internal memory (16MB, capable of storing up to 12,500 barcodes) and can be uploaded to the connected device later. This is useful when out of range or not connected.

Figure 5.2: Data Transfer Modes.

This image visually explains the two data transfer modes: "Instant upload mode" where scanned barcodes are immediately sent to a connected device, and "Offline storage mode" where barcodes are saved internally for later upload.

5.4. Buzzer and Vibration Settings

The scanner provides tactile feedback (vibration) upon successful scans. The audible buzzer can be configured to be muted for quiet operation in sensitive environments.

6. Battery and Charging

The HENEX HC-2000R is equipped with a 1200mAh Lithium Ion battery, providing extended continuous use and standby time. The scanner can be charged via the included USB Type-C cable by connecting it to a computer or a USB power adapter.

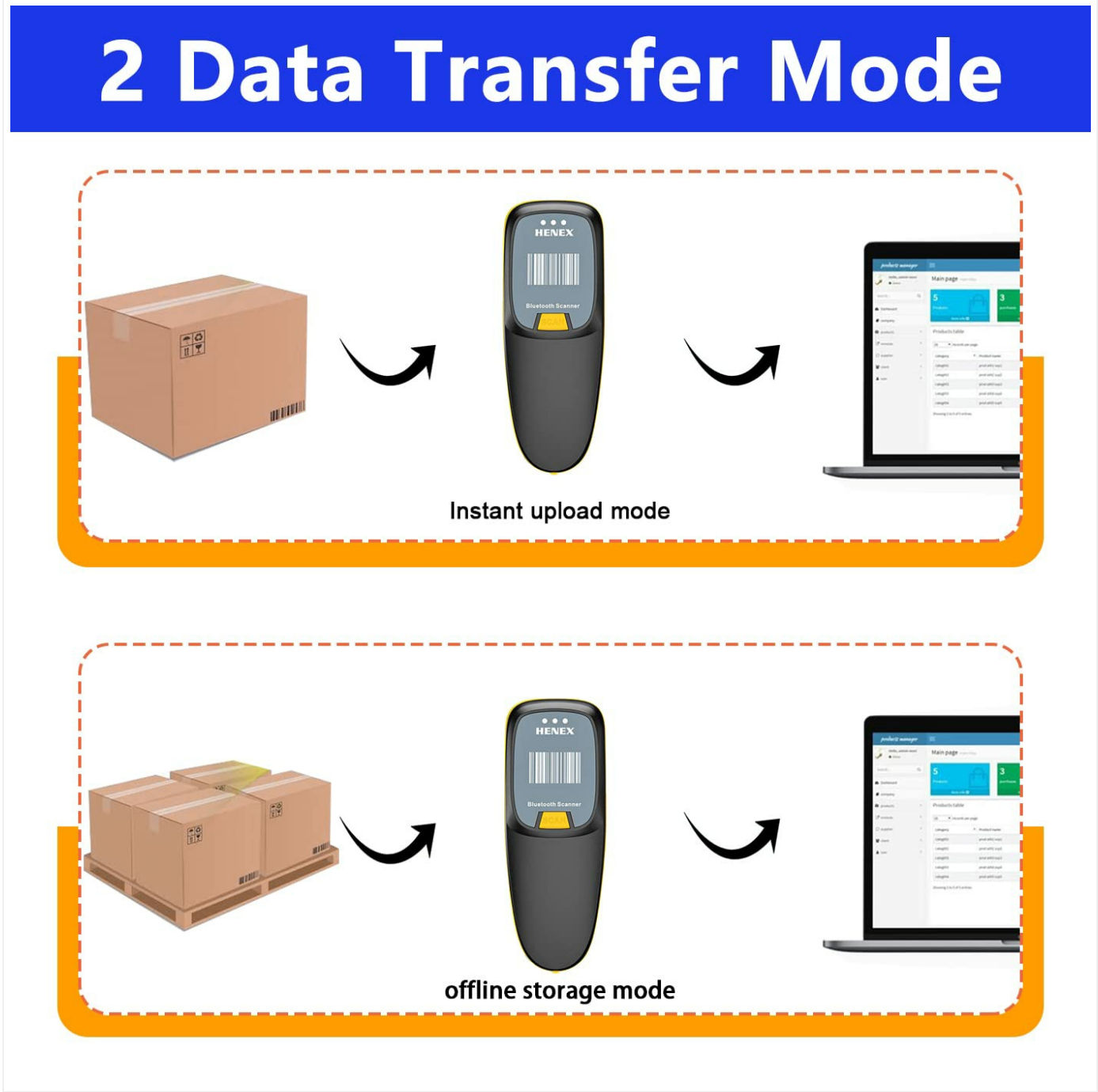


Figure 6.1: 1200mAh Battery.

This image highlights the 1200mAh battery capacity of the HENEX scanner, comparing it favorably to "Other Ordinary Scanners" which typically have 500mAh batteries, indicating longer continuous use and standby time.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. For the scanning window, use a lens cleaning cloth to avoid scratches. 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 a long period, charge the battery to about 50% and recharge every few months.
- **Firmware Updates:** Check the official HENEX website for any available firmware updates to ensure optimal performance and compatibility.

8. Troubleshooting

Problem	Possible Cause	Solution
Scanner not turning on.	Low battery or battery depleted.	Charge the scanner using the provided USB Type-C cable.
Cannot connect via Bluetooth.	Scanner not in pairing mode; device Bluetooth off; interference.	Ensure scanner is in Bluetooth pairing mode (scan pairing barcode). Turn device Bluetooth off/on. Move closer to the device.
Cannot connect via 2.4GHz wireless.	Dongle not properly inserted; interference.	Ensure USB dongle is fully inserted. Try a different USB port. Move closer to the dongle.
Scanner not reading barcodes.	Barcode damaged/unreadable; incorrect symbology enabled; scanner window dirty.	Try scanning a different, known good barcode. Ensure the barcode type is supported. Clean the scanning window.
No data transmitted to device.	Not connected; in offline storage mode.	Verify connection status. If in offline storage mode, upload stored data.

9. Specifications

Feature	Detail
Model	HC-2000R
Scanning Technology	CMOS Imager
Scan Rate	30 fps
Connectivity	Bluetooth, 2.4GHz Wireless, USB Wired (Type-C)
Compatible Operating Systems	Windows XP/7/8/10, Mac OS, iOS, Android, Linux
Battery	1200mAh Lithium Ion (included)
Offline Storage	16MB (up to 12,500 barcodes)
Item Weight	300 g
Actual Viewing Angle	34 Degrees
Power Source	Corded (USB)

10. Warranty and Support

10.1. Warranty Policy

Please refer to the product packaging or the official HENEX website for detailed warranty information. Standard warranty terms typically cover manufacturing defects for a specified period from the date of purchase. Keep your proof of purchase for warranty claims.
For returns, please consult the retailer's return policy where the product was purchased.

10.2. Technical Support

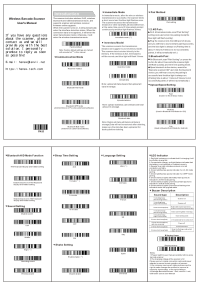
For technical assistance, troubleshooting, or any inquiries regarding your HENEX HC-2000R barcode scanner, please contact HENEX professional technical support:

- **Phone (India):** +91 9100763594
- **Phone (International):** +86 13316203488
- **Email:** support@lenvii.net, support@lenvii.in
- **Website:** www.lenvii.net, www.lenvii.in

Figure 10.1: Technical Support Contact Information.

This image provides contact details for HENEX technical support, including phone numbers (+86 13316203488, +91 9100763594), email addresses (support@lenvii.net, support@lenvii.in), and website links (www.lenvii.net, www.lenvii.in) for assistance.

Related Documents - HC-2000R

	HENEX 2D Barcode Scanner User Manual - Setup and Configuration Guide Explore the comprehensive HENEX 2D Barcode Scanner User Manual. This guide details setup, factory defaults, communication interfaces (USB, RS232), scan modes, illumination, aiming, output settings, data editing, and extensive barcode symbology support for efficient scanning operations.
	HENEX Pocket 2D Wireless Barcode Scanner User's Manual User's manual for the HENEX Pocket 2D Wireless Barcode Scanner, detailing its various modes, settings, and programming instructions for 2.4G, Bluetooth, and USB connectivity.
	HENEX 2D Wireless Barcode Scanner Manual Comprehensive user manual for the HENEX 2D Wireless Barcode Scanner, detailing its features, connectivity options (2.4G, Bluetooth HID/SPP/BLE), operational modes, and configuration settings.
	HENEX Wireless Barcode Scanner User Manual User manual for the HENEX Wireless Barcode Scanner, detailing its features, modes of operation, pairing methods, settings, and indicators. Covers 2.4G, Bluetooth HID, and USB transmission modes.
	Zebra DS8108-HC Digital Scanner: Quick Start Guide | Setup, Features, Troubleshooting Get started quickly with the Zebra DS8108-HC Digital Scanner. This guide covers setup, features, modes, troubleshooting, and regulatory information for efficient operation.
	Newland HR3280 Marlin II Corded 2D Barcode Scanner User Guide This user guide provides comprehensive instructions for the Newland HR3280 Marlin II corded 2D barcode scanner. It details setup, configuration options, interface protocols (RS-232, USB), symbology support, data formatting, and batch programming for efficient barcode scanning in various environments.

[pdf] User Manual Specifications

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LASER WIRELESS BARCODE SCANNER **HC-2000R** Using high speed scan module can decode all 1D code. Ergonomic design,very comfortable operating sense. Red and Blue Led indicator,buzzer and motor shake. Large capacity battery,can continuous use more than 24hours. Three working model Immediate,Auto Memory an...

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