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LENVII CW200

LENVII CW200 2D Barcode Scanner User Manual

Model: CW200

1. Introduction

The LENVII CW200 is a versatile 2D barcode scanner designed for efficient data capture in various environments such as shops, supermarkets, and warehouses. This device offers both 2.4G wireless and USB wired connectivity, providing flexibility and ease of use. It is capable of reading a wide range of 1D, 2D, and QR barcodes, including those displayed on LCD screens or poorly printed.
This manual provides detailed instructions on setting up, operating, and maintaining your LENVII CW200 barcode scanner to ensure optimal performance and longevity.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1x Wireless Barcode Scanner
- 1x USB Cable
- 1x User Manual

Figure 2.1: The LENVII CW200 2D Barcode Scanner, including its USB cables and wireless dongle.

3. Product Features

- **2-in-1 Connection:** Supports both 2.4G wireless and USB wired connections for flexible operation. Plug and play functionality eliminates the need for driver installation.
- **High Compatibility:** Compatible with Windows XP/7/8/10, Mac OS, Android, and Linux operating systems. Works seamlessly with common software applications like Quickbook, Word, and Excel.
- **Advanced Decoding Ability:** Capable of reading a wide array of 1D, 2D, and QR barcodes from paper or digital screens. This includes UPC/EAN, Code128, Code39, QR Code, Data Matrix, PDF417, Aztec code, Maxicode, and more. It can even read wide, distorted, slightly damaged, tiny, or fuzzy barcodes.
- **Wide Application:** Ideal for use in supermarkets, warehouses, logistics, libraries, restaurants, retail stores, banks, postal services, and industrial manufacturing.
- **Long Working Time:** Equipped with a built-in 2200mAh battery, providing up to 12 hours of continuous scanning and 3 months of standby time after a 5-hour full charge.

- **Two Upload Modes:** Features an instant upload mode for real-time data transmission and a storage mode that can store up to 50,000 barcode entries for offline scanning.
- **Long-Distance Transmission:** Offers a wireless signal range of up to 50 meters (164 feet) in open environments, and up to 30 meters (98 feet) indoors with obstacles.
- **Durable Construction:** Designed with anti-shock and shatterproof construction, capable of withstanding multiple falls from 2.0 meters (6.56 feet) without affecting functionality.

Figure 3.1: The scanner supports both 2.4G wireless and USB wired connections, compatible with PCs and laptops.

Figure 3.2: Examples of 1D and 2D barcode types supported by the LENVII CW200 scanner.

Figure 3.3: Battery performance details, including scanning, standby, and charging times.

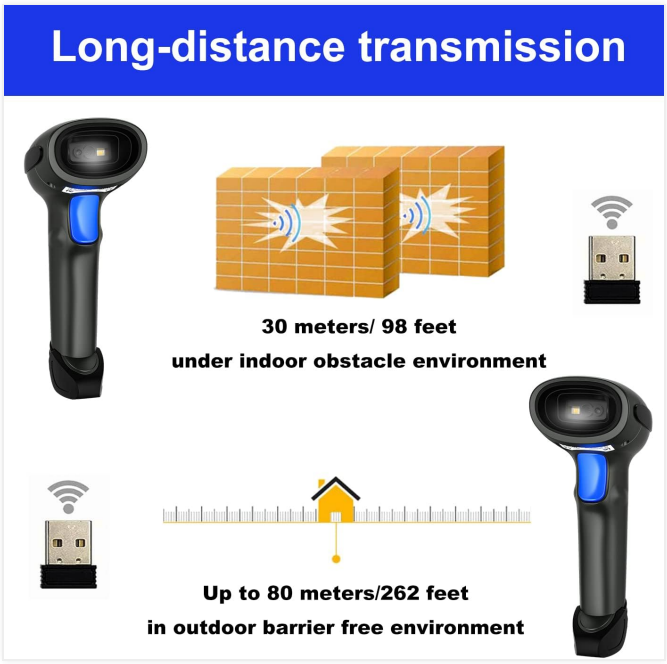

Figure 3.4: Wireless transmission range in both indoor and outdoor environments.

Figure 3.5: The scanner's robust anti-shock and shatterproof design.

Figure 3.6: Various application scenarios for the LENVII CW200 barcode scanner.

4. Setup Guide

4.1 Initial Charging

Before first use, it is recommended to fully charge the scanner. Connect the provided USB cable to the scanner's square USB port and plug the other end into a power source (e.g., computer USB port or USB wall adapter). A full charge typically takes approximately 2 hours.

4.2 Connecting the Scanner

The LENVII CW200 offers two connection methods:

4.2.1 2.4G Wireless Connection

1. Insert the 2.4G USB receiver (dongle) into an available USB port on your computer or laptop.
2. Turn on the barcode scanner. The scanner is pre-paired with the receiver from the factory.
3. The scanner should automatically connect to the receiver. A successful connection is usually indicated by an audible beep and/or a change in indicator light status on the scanner.
4. Open a text editor or any application where you wish to input scanned data to test the connection. Scan any barcode to confirm data transmission.

4.2.2 USB Wired Connection

1. Connect one end of the provided USB cable to the square USB port on the scanner.
2. Connect the other end of the USB cable to an available USB port on your computer or laptop.
3. The scanner will be recognized as a keyboard device. No additional drivers are typically required.
4. Open a text editor or any application where you wish to input scanned data to test the connection. Scan any barcode to confirm data transmission.

Note: If you encounter connection issues, please refer to the Troubleshooting section or attempt to re-pair the scanner if using wireless mode. Instructions for re-pairing can be found in the full manual (if applicable) or by contacting customer support.

5. Operating Instructions

5.1 Basic Scanning Operation

1. Ensure the scanner is powered on and connected to your device (via wireless dongle or USB cable).
2. Point the scanner's window at the barcode you wish to scan.
3. Press the trigger button. A red scanning line or light will appear.
4. Position the scanner so the red line crosses the entire barcode.
5. Upon successful scan, the scanner will emit a beep, and the data will be transmitted to your connected device.

5.2 Data Upload Modes

The LENVII CW200 supports two primary data upload modes:

5.2.1 Instant Upload Mode

In this mode, scanned barcode data is immediately transmitted to your connected computer or device. This is the default mode and is suitable for real-time data entry.

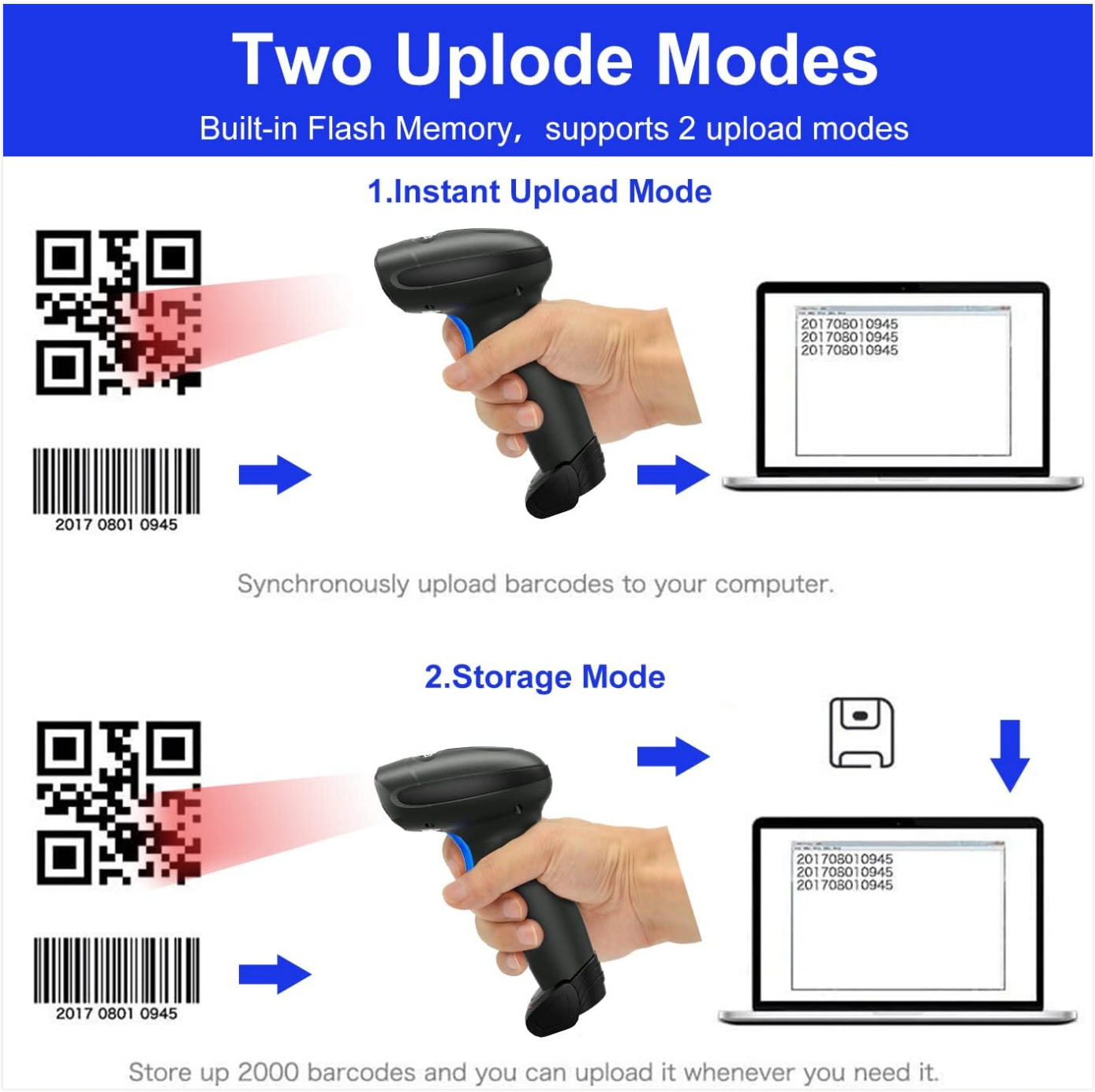

Figure 5.1: Illustration of Instant Upload Mode and Storage Mode.

5.2.2 Storage Mode

Storage mode allows you to scan and store barcodes internally within the scanner's memory without being connected to a host device. This is useful for inventory taking or scanning in areas where a computer is not readily available. The scanner can store up to 50,000 barcode entries.
To switch to Storage Mode or upload stored data, refer to the specific programming barcodes provided in the comprehensive user manual (not included in this summary) or contact LENVII support.

6. Maintenance

6.1 Cleaning the Scanner

- Ensure the scanner is turned off before cleaning.
- Use a soft, clean, damp cloth to wipe the exterior of the scanner.
- For the scanning window, use a lint-free cloth and a mild glass cleaner (or water) to gently clean the surface. Avoid

abrasive materials or harsh chemicals that could scratch the window.

- Do not immerse the scanner in water or any cleaning solution.

6.2 Battery Care

- Recharge the scanner when the battery indicator shows low power to ensure continuous operation.
- If the scanner will not be used for an extended period, charge it periodically (e.g., every 3 months) to maintain battery health.
- Use only the provided USB cable for charging.

7. Troubleshooting

Problem	Possible Cause	Solution
Scanner does not turn on.	Low battery or no charge.	Connect the scanner to a power source using the USB cable and charge for at least 2 hours.
Scanner does not connect wirelessly.	USB receiver not properly inserted or scanner not paired.	Ensure the USB receiver is firmly inserted. Try re-pairing the scanner with the receiver (refer to the full manual or contact support for pairing instructions).
Scanner does not read barcodes.	Barcode damaged, poor quality, or incorrect symbology settings.	Ensure the barcode is clear and undamaged. Check if the barcode type is supported. Try scanning a known good barcode. Ensure the scanning window is clean.
Scanned data does not appear on computer.	Not in Instant Upload Mode, or application not ready for input.	Ensure the scanner is in Instant Upload Mode. Open a text editor (e.g., Notepad) or the target application and ensure the cursor is active for input.

If the issue persists after attempting the above solutions, please contact LENVII customer support for further assistance. When contacting support, please provide a detailed description of the problem and any troubleshooting steps you have already taken.

8. Specifications

Feature	Detail
Product Dimensions	5.31 x 2.01 x 1.57 inches (13.5 x 5.1 x 4.0 cm)
Item Weight	1.1 pounds (0.5 kg)
Batteries	1 Lithium Ion battery required (2200mAh)
Decode Rate	100 scans per second
Wireless Distance	Up to 50m (164ft) in open air
Minimum Resolution	5 mil
Light Source	LED 650 +/-20nm
Internal Storage	512 KB (up to 50,000 code entries)
Keyboard Language	English / French / German / Spanish / Italian

Feature	Detail
Data Interface	Square USB
Compatible Systems	Windows XP/7/8/8.1/10, Mac OS, Android, Linux
Decoding Ability	UPC / EAN, Code128, Code39, QR Code, Data Matrix, PDF417, Aztec code, Maxicode, etc.

Figure 8.1: Detailed dimensions and weight of the LENVII CW200 Barcode Scanner.

9. Support and Warranty

For any questions, technical support, or warranty inquiries regarding your LENVII CW200 barcode scanner, please contact LENVII customer service. When reaching out, please have your product model (CW200) and a detailed description of your issue ready.

LENVII is committed to providing quality products and support. We aim to respond to inquiries within 12 hours.

For the most up-to-date support information and contact methods, please refer to the official LENVII website or the contact details provided with your purchase documentation.

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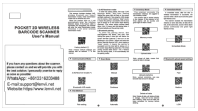
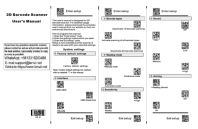
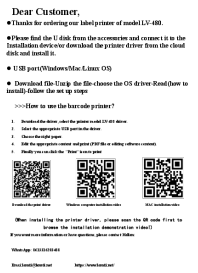
	LENVII Pocket 2D Wireless Barcode Scanner User Manual User manual for the LENVII Pocket 2D Wireless Barcode Scanner, detailing its 2.4G, Bluetooth, and wired transmission modes, inventory and immediate modes, sound, shake, sleep, terminal settings, language options, and LED indicators.
	Lenvii 2D Barcode Scanner User Manual User manual for the Lenvii 2D Barcode Scanner, detailing setup, system settings, barcode types, reading modes, interface options, and connectivity configurations.
	Lenvii LV-480 Label Printer: Installation and Driver Setup Guide Comprehensive guide for installing the Lenvii LV-480 label printer and its drivers. Covers setup for Windows and Mac, driver download, connection, and configuration for seamless label printing operations.

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