

## LENVii CW200

# LENVii CW200 Wireless 2D Barcode Scanner User Manual

Model: CW200

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your LENVii CW200 Wireless 2D Barcode Scanner. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its lifespan.

The LENVii CW200 is a versatile barcode scanner designed for various applications, offering both wireless (2.4G) and wired (USB) connectivity. It is capable of reading a wide range of 1D and 2D barcodes from both printed materials and digital screens.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- **2-in-1 Connection:** Supports 2.4G wireless and USB wired connections.
- **Broad Compatibility:** Works with Windows XP/7/8/10 and Mac OS.
- **Advanced Decoding:** Easily captures 1D, 2D, and QR barcodes from paper or digital screens.
- **Long Battery Life:** Built-in 2000mAh battery provides up to 12 hours of continuous scanning and 3 months standby.
- **Durable Design:** Anti-shock shatterproof construction, capable of withstanding falls from 2.0 meters (6.56 feet).
- **Long-Distance Transmission:** Up to 30 meters (98 feet) indoors with obstacles, and up to 80 meters (262 feet) in open outdoor environments.

### 2.2 Supported Barcode Types

The LENVii CW200 scanner supports a minimum resolution of 5 mil and can recognize and scan the following barcode types:

- **1D Barcodes:** UPC / EAN (including extra code), Code128, Code39, Code 39 Full ASCII, Codabar, Industrial/Interleaved 2 of 5, Code93, MSI, Code11, ISBN/ISSN.
- **2D Barcodes:** QR Code, Data Matrix, PDF417, Aztec code, Maxicode.



Figure 1: Supported Barcode Symbolologies

## 2.3 Product Components

The package includes:

- 1 x LENVII CW200 Barcode Scanner
- 1 x USB Cable (for Charging and Data Transmission)
- 1 x User Guide
- 1 x 2.4G Mini Receiver (Dongle)

## 3. SETUP

### 3.1 Charging the Scanner

Before initial use, fully charge the scanner using the provided USB cable. Connect the USB cable to the scanner and a power source (e.g., computer USB port or USB wall adapter). A full charge takes approximately 5 hours.

### 3.2 Connection Modes

The LENVII CW200 offers two connection methods: 2.4G Wireless and USB Wired.



Figure 2: 2-in-1 Connection Options

#### 3.2.1 2.4G Wireless Connection

1. Insert the 2.4G Mini Receiver (dongle) into an available USB port on your computer (PC or Laptop).
2. Turn on the barcode scanner. It will automatically pair with the receiver.
3. Open a text editor or any application where you want the scanned data to appear.
4. Scan a barcode to test the connection. The scanned data should appear on your screen.



Figure 3: Wireless Plug and Play Setup

*Note: The scanner does not support Bluetooth connection.*

#### 3.2.2 USB Wired Connection

1. Connect the provided USB cable to the scanner and then to a USB port on your computer.
2. The scanner will be recognized as a HID keyboard device. No driver installation is typically required.
3. Open a text editor or any application where you want the scanned data to appear.
4. Scan a barcode to test the connection. The scanned data should appear on your screen.



## 4. OPERATING INSTRUCTIONS

### 4.1 Basic Scanning

To scan a barcode:

1. Ensure the scanner is connected to your computer 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 will appear.
4. Once the barcode is successfully read, the scanner will emit a beep, and the data will be transmitted to your connected device.

Your browser does not support the video tag.

Video 1: Demonstration of LENVII CW200 scanning various 1D and 2D barcodes in both wireless and wired modes. (Note: Actual video URL not provided in JSON, placeholder used. Creator type for video could not be verified from provided JSON.)

### 4.2 Upload Modes

The LENVII CW200 supports two data upload modes, utilizing its built-in flash memory:

#### 4.2.1 Instant Upload Mode

In this mode, scanned barcodes are immediately transmitted to your computer. This is the default mode and is suitable for real-time data entry.

#### 4.2.2 Storage Mode

When out of range or when real-time transmission is not required, the scanner can store up to 50,000 barcode entries in its internal 512KB memory. Data can be uploaded to your computer later when the scanner is reconnected or brought back into range.



Figure 5: Instant and Storage Upload Modes

### 4.3 Advanced Settings (Prefix/Suffix)

The scanner can be configured to add a prefix or suffix to scanned data. This feature is useful for data formatting and integration with specific software systems. Refer to the full programming guide (usually found in the supplementary materials or manufacturer's website) for instructions on how to configure these settings by scanning specific setup barcodes.



Figure 6: Prefix/Suffix Setting Example

## 5. SPECIFICATIONS

Feature	Specification
Model	CW200

Feature	Specification
Connectivity Technology	2.4G Wireless, USB Wired
Compatible Operating Systems	Windows XP/7/8/8.1/10, Mac OS
Decoding Ability	1D (UPC/EAN, Code128, Code39, etc.), 2D (QR Code, Data Matrix, PDF417, Aztec, Maxicode)
Minimum Resolution	5 mil
Scan Rate	100 scans per second
Internal Storage	512 KB (up to 50,000 code entries)
Wireless Distance	Up to 50m (indoors), Up to 80m (outdoors barrier-free)
Battery	Built-in 2000mAh Lithium Ion
Scanning Time (Continuous)	Up to 12 hours
Standby Time	3 months
Charging Time	Approximately 5 hours
Durability	Anti-shock, shatterproof (withstands 2.0m falls)
Light Source	LED 650 +/-20nm
Operating Voltage	5 Volts (DC)
Item Dimensions (D x W x H)	9.5D x 6.7W x 17.5H Centimeters
Item Weight	0.3 Kilograms



Figure 7: Scanner Dimensions



Figure 8: Battery Life and Charging

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. For the scanning window, use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive cleaner. Avoid harsh chemicals.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the scanner when the low battery indicator appears. If storing the scanner for an extended period, charge it to about 50% and recharge every few months.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Although designed to be durable, avoid unnecessary drops or impacts to prevent damage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner not connecting wirelessly.	Dongle not properly inserted, scanner not powered on, pairing lost.	Ensure dongle is firmly inserted. Turn scanner off and on. If connection is still not established, try re-pairing by scanning the pairing barcode (refer to the full user guide for specific pairing instructions).
Scanner not reading barcodes.	Barcode damaged/unclear, scanner too far/close, incorrect barcode type enabled, low battery.	Ensure barcode is clear. Adjust scanning distance. Check if the barcode type is supported and enabled (refer to the full user guide). Charge the scanner.
Scanned data not appearing on screen.	Not connected to computer, incorrect application open, scanner in storage mode.	Verify connection (wireless or wired). Ensure a text editor or compatible application is active. If in storage mode, upload data manually.
Scanner not charging.	Faulty USB cable/port, scanner issue.	Try a different USB cable or USB port. Ensure the cable is securely connected. If the issue persists, contact support.

If you encounter issues not covered here or require further assistance, please consult the comprehensive user guide or contact LENVII customer support.

## 8. WARRANTY AND SUPPORT

LENVII products are designed for reliability and performance. For warranty information, please refer to the product packaging or the official LENVII website. For technical support or inquiries, you may contact:

- **Importer/Packer Contact:** COOLPLAY TECHNOLOGY PRIVATE LIMITED
- **Email Support:** [support@lenvii.net](mailto:support@lenvii.net)

When contacting support, please provide your product model (CW200) and a detailed description of the issue.