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› [Symcode Wireless USB Barcode Scanner Instruction Manual](#)

symcode MJ-2080-W

Symcode Wireless USB Barcode Scanner Instruction Manual

Model: MJ-2080-W

INTRODUCTION

This manual provides comprehensive instructions for the Symcode Wireless USB Barcode Scanner, Model MJ-2080-W. It covers product features, setup procedures, operating modes, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using the scanner.

PRODUCT OVERVIEW



Figure 1: Symcode Wireless USB Barcode Scanner with its 2.4G USB receiver.



Figure 2: Package contents including the barcode scanner, 2.4G receiver, user manual, and USB cable.

Key Features:

- **Long Distance 2.4GHz Wireless Transmission:** Achieves up to 400m (1312 ft) transmission in open air and 100m (328 ft) indoors.
- **Rechargeable Battery:** Equipped with a built-in 1800mAh Li-Ion battery, offering over half a year of standby time and more than one week of continuous scanning on a full charge. Charges via any USB 2.0 port.
- **Flexible Network Modes:** Supports one-to-one and more-to-one connections, allowing multiple scanners to transmit data to a single wireless receiver, ideal for warehouse environments.
- **Dual Scanning Modes:** Choose between triggering scans manually or using the automatic mode for continuous scanning without pressing buttons.
- **Dual Working Modes:**
 - *Instant Upload Mode:* Data is immediately transmitted to your connected device upon scanning.
 - *Offline Storage Mode:* Stores up to 100,000 barcodes internally when out of wireless range, allowing for later data upload.
- **Plug and Play Connectivity:** Features 2.4GHz wireless and USB cable connection. The Mini USB Receiver automatically pairs, requiring no software or app installation.
- **Barcode Programmable:** Supports prefix and suffix settings, and allows for inserting or deleting characters.

SETUP

Initial Charging:

Before first use, ensure the scanner is fully charged. Connect the scanner to a USB 2.0 port on your computer or a USB wall adapter using the provided USB cable. The indicator light on the scanner will show charging status.

Connecting the Scanner:

The Symcode barcode scanner offers two primary connection methods:

1. Wireless Connection (2.4GHz):

1. Insert the Mini USB Receiver into an available USB port on your computer (PC or Laptop).
2. The receiver will automatically pair with the scanner. No drivers or software installation are required.
3. Turn on the scanner by pressing the trigger button. A beep will confirm it's powered on and ready for use.
4. The scanner will function as a keyboard input device, sending scanned barcode data directly to any active text field on your computer.

Mini USB Receiver

USB plug-and-play
Easily connected with your laptop, PC
Stores up to 100,000 barcodes



PC



Laptops



iPad



iphone

Figure 3: The compact Mini USB Receiver plugs into your computer for wireless operation. Compatible with PC and Laptops, not with iPad or iPhone.

Long Transmission Distance



200M In Open Area

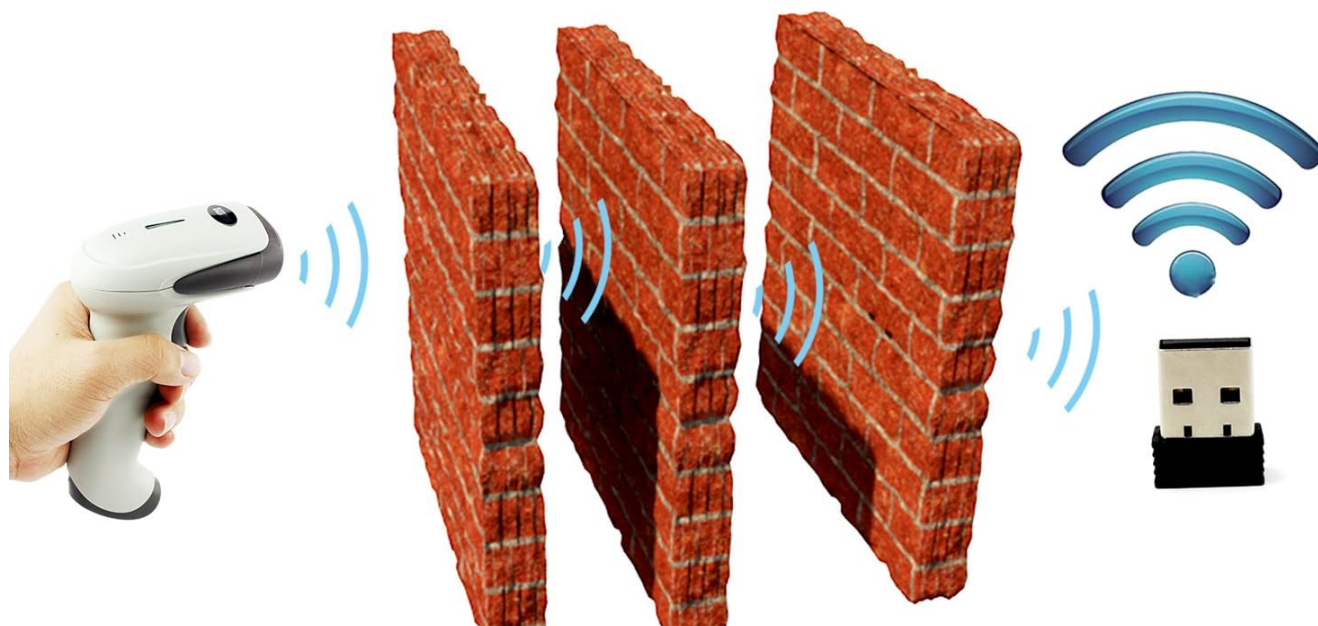


Figure 4: Illustrates the long transmission distance of the 2.4GHz wireless connection, up to 200 meters in open areas.

2. Wired Connection (USB 2.0):

1. Connect the scanner directly to your computer using the provided USB cable.
2. The scanner will automatically switch to wired mode and can be used immediately.
3. In wired mode, the scanner also charges its internal battery.

OPERATING MODES

1. Instant Upload Mode:

In this mode, barcode data is transmitted to your computer immediately after each successful scan. This is the default operating mode and is suitable for real-time inventory management or point-of-sale applications.

Two Upload Mode



Figure 5: Instant Upload Mode, where data is synchronously uploaded to the computer upon scanning.



Figure 6: The scanner can read barcodes directly from digital screens, such as a phone display. Example barcode: [6901234567892](#).

2. Offline Storage Mode:

When operating outside the wireless transmission range, the scanner can store up to 100,000 barcodes in its internal memory. To activate this mode, scan the appropriate barcode from the user manual (refer to the manual for specific programming barcodes). Once scanning is complete, return to the wireless range and upload the stored data to your device.

Scanning Techniques:

- **Trigger Mode:** Press the trigger button to initiate each scan.
- **Automatic Mode:** The scanner will continuously scan without requiring a button press, ideal for high-volume scanning. To switch modes, scan the corresponding programming barcode in your user manual.

Barcode Programmable

- ✔ Support Prefix & Suffix Setting
- ✔ Support Insert,Delete Charactor



Figure 7: The scanner supports programming features like prefix/suffix settings and character insertion/deletion.

Your browser does not support the video tag.

Video 1: Demonstration of the Symcode Barcode Scanner's wireless and wired connection modes, including instant upload and storage mode functionality. This video illustrates how to set up the scanner for both wireless and wired use, and how to utilize its data storage capabilities.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. For the scan window, use a lint-free cloth lightly dampened with a mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive materials.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge the scanner when the low battery indicator appears. Store the scanner in a cool, dry place when not in use for extended periods.
- **Storage:** Store the scanner and its accessories in a safe place, away from extreme temperatures, direct sunlight, and moisture.



Figure 8: Key components of the scanner include the scan window, buzzer and indicator light, anti-drop silicone, and USB port.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner not responding/not scanning.	Low battery; Not properly connected (wireless receiver or USB cable); Scanner is off.	Charge the scanner; Ensure USB receiver is firmly inserted or USB cable is connected; Press the trigger button to turn on the scanner.
Scanned data not appearing on computer.	Incorrect operating mode (e.g., in storage mode); No active text field on computer; Out of wireless range.	Switch to Instant Upload Mode (scan appropriate barcode from manual); Click into a text field (e.g., Notepad, Word document); Move closer to the USB receiver.
Scanner beeps but doesn't scan.	Barcode is damaged or unreadable; Incorrect barcode type setting.	Try scanning a different, known good barcode; Refer to the manual to ensure the scanner is configured for the correct barcode symbology.

Problem	Possible Cause	Solution
Wireless connection unstable.	Interference from other 2.4GHz devices; Obstructions; Distance too far.	Reduce interference by moving away from other wireless devices; Ensure clear line of sight to receiver; Operate within specified range (100m indoor, 400m outdoor).

SPECIFICATIONS

Feature	Detail
Model Number	MJ-2080-W
Product Dimensions	6.89 x 4.49 x 3.23 inches
Item Weight	9.9 ounces
Battery	1800mAh Lithium Ion (1 required)
Connectivity Technology	2.4GHz Wireless, USB 2.0 Wired
Power Source	Battery Powered, Corded Electric, USB Cable
Compatible Devices	Laptop, PC (Supports Mac OS X, Android, Windows 10, iOS 9)
Offline Storage Capacity	Up to 100,000 barcodes
Wireless Transmission Range	Up to 400m (open air), 100m (indoor)

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Symcode Wireless USB Barcode Scanner, please contact the manufacturer directly. Refer to the contact information provided with your product packaging or visit the official Symcode website for assistance.

Manufacturer: **symcode**

For additional resources and product information, you may visit the [Symcode Store on Amazon](#).

