

symcode MJ-2080-B

Symcode Wireless USB Barcode Scanner User Manual

MODEL: MJ-2080-B

1. INTRODUCTION

Thank you for choosing the Symcode Wireless USB Barcode Scanner. This device is designed for efficient and reliable barcode scanning, offering both wireless and wired connectivity options. This manual provides essential information for proper setup, operation, and maintenance to ensure optimal performance and longevity of your scanner.



Image 1.1: Symcode Wireless USB Barcode Scanner and its USB receiver.

2. PRODUCT FEATURES

- **Long Distance 2.4GHz Wireless Transmission:** Achieves up to 400m (1312 ft) transmission in open air and 100m (328 ft) indoors, eliminating the need for constant data cables.
- **Built-in Rechargeable Battery:** Features an integrated 1800mAh Li-Ion battery, providing over a week of continuous scanning on a full charge and a standby time of more than half a year. Charges via any USB 2.0 port.

- **Multiple Network Modes:** Supports one-to-one and more-to-one configurations, allowing multiple scanners to transmit data to a single wireless receiver, ideal for multi-user environments.
- **Dual Scanning Modes:** Choose between triggering scans manually or utilizing an automatic mode for rapid, hands-free scanning.
- **Two Working Modes:**
 - **Instant Upload Mode:** Data is transmitted to your connected device immediately after scanning.
 - **Offline Storage Mode:** Internal memory stores up to 100,000 barcodes, allowing you to scan and store data when out of wireless range, then upload it later.
- **Dual Connection Modes:** Offers both 2.4GHz wireless and USB cable connections. Plug and Play functionality with automatic USB receiver pairing, requiring no software or app installation.
- **Broad Compatibility:** Supports Mac OS X, Android, Windows 10, and IOS 9, compatible with laptops and PCs.



Image 2.1: Key components of the Symcode Barcode Scanner.

Barcode Programmable

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



Image 2.2: Barcode Programmable features of the scanner.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Symcode Wireless Barcode Scanner
- Mini USB Receiver
- USB Charging/Data Cable
- User Manual (this document)

4. SETUP

4.1 Charging the Scanner

Before first use, fully charge the scanner. Connect the USB charging cable to the scanner's USB port and plug the other end into a USB 2.0 port on your computer or a compatible USB wall adapter. The indicator light will show charging status and turn off when fully charged.

4.2 Wireless Connection (2.4GHz)

1. Insert the Mini USB Receiver into an available USB port on your computer (PC or Laptop).
2. The computer will automatically detect and install the necessary drivers.
3. Turn on the barcode scanner. The scanner and receiver are pre-paired from the factory and should connect automatically.
4. Open a text editor, spreadsheet, or any application where you want the scanned data to appear. Scan a test barcode to confirm connectivity.

Mini USB Receiver

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



PC



Laptops



iPad



iphone

Image 4.1: Mini USB Receiver and device compatibility.

Long Transmission Distance

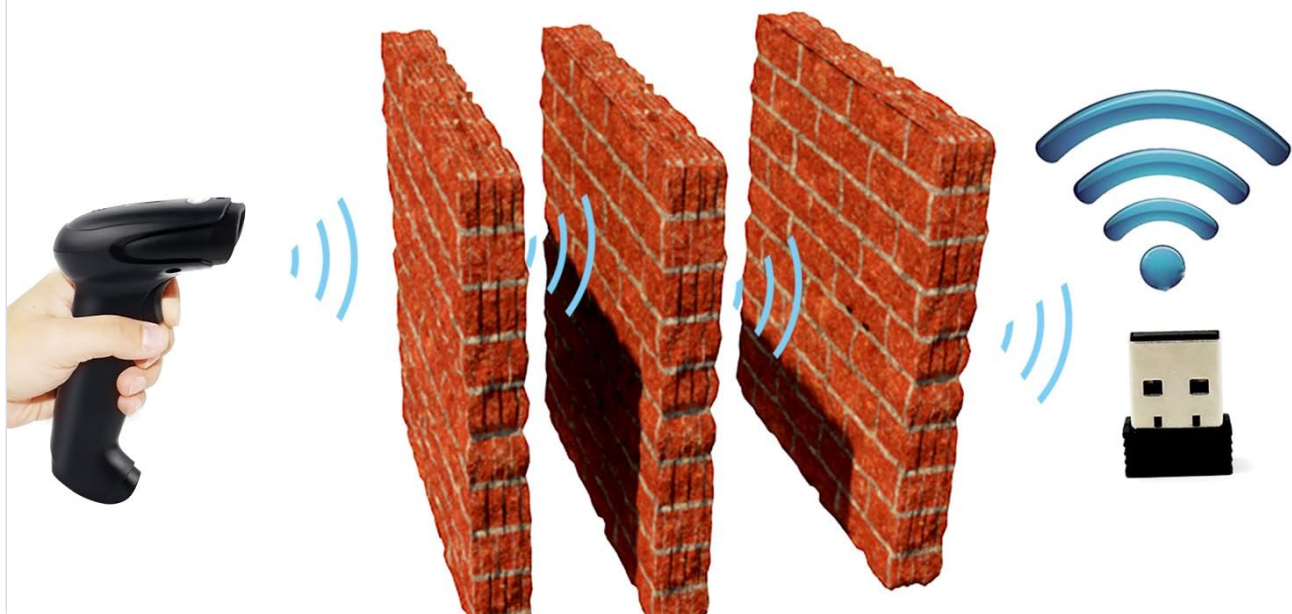


Image 4.2: Illustration of the scanner's long transmission range.

4.3 Wired Connection (USB Cable)

For direct connection or when wireless is not preferred:

1. Connect the USB cable directly from the scanner's USB port to a USB port on your computer.
2. The scanner will function as a wired device, and data will be transmitted directly to your computer. The scanner will also charge in this mode.

wired connection and wireless connection



Image 4.3: Wired and Wireless Connection options.

5. OPERATING MODES

5.1 Instant Upload Mode

In this default mode, every barcode scanned is immediately transmitted to the connected computer. This is suitable for real-time inventory updates or point-of-sale applications.

5.2 Offline Storage Mode

When out of wireless range or when you need to collect many barcodes without immediate transmission, switch to Offline Storage Mode. The scanner will store up to 100,000 barcodes internally.

1. To enter Offline Storage Mode: Scan the specific barcode provided in the quick start guide (or contact support for the programming barcode).
2. Scan barcodes as needed. The scanner will beep to confirm storage.
3. To upload stored data: Re-establish wireless or wired connection with your computer. Scan the 'Upload Data' programming barcode (refer to your quick start guide). The stored data will then be transmitted to your open

application.

4. To clear stored data: Scan the 'Clear Data' programming barcode (refer to your quick start guide).

Two Upload Mode



Image 5.1: Instant Upload Mode vs. Offline Storage Mode.

5.3 Scanning Modes

- **Trigger Mode:** Press the trigger button to activate the scan beam and read a barcode. Release the button to deactivate.
- **Automatic Mode:** The scanner continuously emits the scan beam or activates it upon detecting a barcode in its field of view, allowing for hands-free operation. To switch to automatic mode, scan the corresponding programming barcode (refer to your quick start guide).

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your scanner.

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the scanner's exterior. For the scan window, use a lens cleaning cloth and a mild, non-abrasive cleaner if necessary. Do not use harsh chemicals or abrasive materials.
- **Battery Care:** To maximize battery life, avoid fully discharging the battery regularly. If storing the scanner for

an extended period, ensure it has at least a 50% charge. Recharge every 3-6 months to prevent deep discharge.

- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** While the scanner features anti-drop silicone for durability, avoid unnecessary drops or impacts.

7. TROUBLESHOOTING

If you encounter issues with your Symcode barcode scanner, please refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|------------------------------------|--|---|
| Scanner not connecting wirelessly. | Receiver not plugged in, out of range, low battery, or not paired. | Ensure receiver is securely plugged in. Move closer to the receiver. Charge the scanner. Re-pair the scanner by scanning the 'Pairing' barcode (refer to quick start guide). |
| Scanner not reading barcodes. | Barcode damaged, incorrect symbology, scan window dirty, or scanner in wrong mode. | Ensure barcode is clear and undamaged. Check if the barcode type is supported. Clean the scan window. Ensure scanner is in 'Instant Upload' or 'Offline Storage' mode. |
| Battery not holding charge. | Aging battery, improper charging, or faulty charging cable. | Ensure you are using the provided USB cable. Try a different USB port or power adapter. If the issue persists, contact customer support for battery replacement options. |
| Scanner beeps too loudly/quietly. | Beeper volume setting. | Scan the 'Beeper Volume Up/Down' or 'Mute Beeper' programming barcodes (refer to quick start guide). |
| Compatibility issues with Mac OS. | Specific system settings or driver conflicts. | Ensure your Mac OS version is supported. Try connecting to a different USB port. If issues persist, contact Symcode customer support for specific Mac OS troubleshooting steps or driver information. |

If your issue is not listed or persists after attempting these solutions, please contact Symcode customer support for further assistance.

8. SPECIFICATIONS

| Feature | Detail |
|--------------------|---|
| Product Dimensions | 6.89 x 3.23 x 4.49 inches |
| Item Weight | 10.2 ounces |
| Model Number | MJ-2080-B |
| Batteries | 1 Lithium Polymer battery required (included) |

| Feature | Detail |
|-------------------------|--|
| Power Source | Battery Powered, Corded Electric, USB Cable |
| Connectivity Technology | 2.4G Wireless, USB Cable |
| Compatible Devices | Laptop, PC (Windows, Mac OS X, Android, IOS 9) |
| Manufacturer | symcode |
| First Available Date | September 26, 2016 |

9. WARRANTY AND SUPPORT

Symcode products are manufactured to high-quality standards and are backed by a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact Symcode customer service through the contact information provided on the official Symcode website or your purchase platform. When contacting support, please have your model number (MJ-2080-B) and purchase details ready.

