

## symcode MJ-R30-2D

# User Manual for Bluetooth Ring 1D 2D QR Barcode Scanner

**Brand:** symcode

**Model:** MJ-R30-2D

## 1. PRODUCT OVERVIEW

This Bluetooth Ring 1D 2D QR Barcode Scanner is a wearable, wireless finger mini bar code reader designed for compatibility with Windows, Mac OS, Android 4.0+, and iOS devices. It supports scanning various 1D and 2D barcodes, including QR, PDF417, and DataMatrix codes, from both screens and paper.

### Key Features:

- **Wearable Ring Design:** Compact and portable design allows for comfortable wear on the finger, enhancing user satisfaction and productivity.
- **Dual Connectivity:** Supports 2.4G wireless and Bluetooth 4.0 wireless transmission, offering a range of up to 30 feet (10m).
- **Broad Compatibility:** Connects easily with Windows XP/7.0/8.0/10, Android, and iOS devices without requiring additional software installation.
- **Extensive Barcode Support:** Capable of scanning a wide range of 1D codes (UPC, EAN, Code128, Code39, etc.) and 2D codes (PDF417, Data Matrix, QR Code).
- **Long-Lasting Battery:** Provides up to 6 hours of continuous scanning and a standby time of up to 720 hours, with a quick 1.5-hour recharge time.

## 2. PACKAGE CONTENTS

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

- 1 x Barcode Scanner (Ring-style)
- 1 x User Manual
- 1 x USB Charging Cable
- 1 x Charger Head (USB Power Adapter)
- 1 x Mobile Phone 4.0 Receiver (Bluetooth Dongle)



Image: All components included in the product package.

### 3. PRODUCT FEATURES AND DESIGN

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Image: The symcode ring barcode scanner, showcasing its compact design and included accessories.

***Mini and small, Easy to carry***



Image: The scanner's mini and small form factor, designed for easy portability.



Image: The scanner features a 180-degree rotation capability for ergonomic use on either hand.





 **Bluetooth**



1D



PDF417



DataMatrix



QR

**Compatible**



Image: The scanner is compatible with Windows, Apple, and Android operating systems, connecting seamlessly to various devices.



1D



PDF417



DataMatrix



QR



Image: Wireless connectivity via Bluetooth to laptops, smartphones, and tablets across multiple operating systems.



Image: The scanner supports Bluetooth connectivity, often facilitated by a CSR 4.0 receiver, and is capable of reading various barcode types.

## 4. SETUP GUIDE

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### 4.1 Charging the Scanner

Before first use, fully charge the scanner. Connect the provided USB charging cable to the scanner's charging port and the other end to the charger head, then plug into a power outlet. A full charge takes approximately 1.5 hours.

### 4.2 Bluetooth Pairing



1. Ensure the scanner is powered on.
2. On your host device (smartphone, tablet, or computer), enable Bluetooth.
3. Search for available Bluetooth devices. The scanner should appear as "symcode Barcode Scanner" or similar.
4. Select the scanner from the list to initiate pairing.
5. Once paired, the scanner's indicator light will change, confirming connection.

For devices without built-in Bluetooth, use the included Mobile Phone 4.0 Receiver (Bluetooth Dongle) by plugging it into a USB port on your computer.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Basic Scanning

1. Wear the scanner comfortably on your finger.
2. Point the scanning window towards the barcode you wish to scan.
3. Press the scan button (typically a prominent yellow button) to activate the laser.
4. Ensure the laser beam covers the entire barcode. A successful scan will be indicated by an audible beep and/or a change in the indicator light.
5. The scanned data will be transmitted to your connected device as keyboard input.



Image: Demonstrating the scanner in action, reading a barcode from a package.

## 5.2 Supported Barcode Types

The scanner supports a wide array of 1D and 2D barcode symbologies, including but not limited to:

- **1D Barcodes:** UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Codabar (NW7), Code 128, Code 93, Code 11 (USD-8), MSI/Plessey, UK/Plessey, UCC/EAN 128, China Post, GS1 DataBar variants.
- **2D Barcodes:** QR Code, PDF417, Data Matrix (ECC200, ECC000, 050, 080, 100, 140).

## 6. 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.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge the scanner when the battery low indicator appears. Store the scanner in a cool, dry place when not in use for extended periods.
- **Storage:** Keep the scanner away from extreme temperatures, direct sunlight, and high humidity.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner does not power on.	Battery is depleted.	Charge the scanner for at least 1.5 hours.
Cannot pair with device.	Bluetooth is off on host device; scanner is out of range; interference.	Ensure Bluetooth is enabled. Move scanner closer to device. Reduce interference from other wireless devices. Re-initiate pairing process.
Scanner not reading barcodes.	Barcode is damaged or poorly printed; scanning window is dirty; incorrect scanning mode.	Try scanning a different barcode. Clean the scanning window. Refer to the full user manual for advanced scanning mode configurations.
Scanned data is incorrect or incomplete.	Partial scan; incorrect keyboard layout on host device.	Ensure the entire barcode is covered by the laser. Verify the keyboard language settings on your connected device match the expected input.

## 8. SPECIFICATIONS

Feature	Detail
Light Source	650nm visible laser
Scan Rate	100 ± 10 scans/second
Reading Precision	0.10mm (4mil)
Interface	Wireless 4.0 (Bluetooth)
Battery	DC 3.7V, 360mA Li-ion battery
Memory	512KB (for offline storage)
Supported OS	Microsoft Windows XP/7.0/8.0/10, Android, iOS
Reading Distance	2.5-600mm (100% UPC/EAN)
Scan Scope	10mm-250mm
Scanning Angle	Roll: ±35 degrees / Pitch: ±65 degrees / Yaw: ±50 degrees
Bit Error Rate	1/5 million
Power Voltage	5V
Safety Performance	CE & RoHS
Dimensions	150mm x 50mm x 65mm (Product) / 1.81 x 1.97 x 1.38 inches (Packaged)
Weight	95g (Product) / 4.4 ounces (Packaged)

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your symcode barcode scanner, please refer to the official





product documentation included in your package or visit the manufacturer's website. You can also contact customer support through the platform where you purchased the product.

Official Website: <http://www.cnlhwood.com>



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Related Documents

	<p><a href="#">2.4G Wireless Barcode Scanner User's Guide   Symcode</a></p> <p>Comprehensive user's guide for the Symcode 2.4G Wireless Barcode Scanner, detailing features, performance parameters, operating modes, setup options, and specifications.</p>
	<p><a href="#">Symcode MJ-1902: Intelligent Wireless Barcode Imager with TFT Screen</a></p> <p>The Symcode MJ-1902 is a high-performance, intellectual wireless barcode imager featuring a TFT screen for on-device data viewing. It supports both 1D and 2D barcodes, offers versatile connectivity (USB, Bluetooth, 2.4GHz), and is designed for long operation hours, making it ideal for retail, logistics, and event management.</p>
	<p><a href="#">TFT Screen Intellectual Wireless Barcode Scanner User Manual</a></p> <p>User manual for the TFT Screen Intellectual Wireless Barcode Scanner, detailing its features, applications, and operating instructions. Learn about its triple-mode connectivity, large storage capacity, and ergonomic design.</p>
	<p><a href="#">Bluetooth/2.4G Wireless Barcode Scanner User Manual</a></p> <p>Comprehensive user manual for the Bluetooth/2.4G Wireless Barcode Scanner, covering features, setup procedures, operating modes, troubleshooting, and indicator explanations.</p>