

## **symcode B0C2PP844M**

# **symcode 2D Bluetooth Industrial Barcode Scanner User Manual**

Model: B0C2PP844M

## **1. INTRODUCTION**

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your symcode 2D Bluetooth Industrial Barcode Scanner, Model B0C2PP844M. This device is designed for efficient and reliable barcode scanning in various industrial and commercial environments, including warehouses, retail, logistics, and medical institutions. It supports both 1D and 2D barcodes and offers multiple connectivity options for versatile use.



*Image 1.1: The symcode 2D Bluetooth Industrial Barcode Scanner resting in its charging cradle, ready for use or charging.*

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the device. Keep this manual for future reference.

- Do not expose the scanner to extreme temperatures, moisture, or corrosive substances.
- Avoid direct eye exposure to the scanning light.

- Use only the provided charging cradle and USB cable for charging to prevent damage.
- Do not attempt to disassemble or repair the scanner yourself. Contact customer support for assistance.

### 3. PRODUCT OVERVIEW AND COMPONENTS

The symcode 2D Bluetooth Industrial Barcode Scanner features a rugged design suitable for demanding environments. Key components include:

- **Scanner Unit:** Handheld device with scanning engine and trigger button.
- **Charging Cradle:** Serves as a charging station and houses the 433MHz wireless receiver. It also functions as a stand for hands-free operation.
- **USB Cable:** For connecting the cradle to a computer for data transmission and charging.



*Image 3.1: The scanner's robust construction, designed to withstand multiple drops from up to 2.5 meters, highlighting its IP67 anti-drop grade material.*

## 4. SETUP

### 4.1 Charging the Battery

The scanner is equipped with a built-in rechargeable battery. Place the scanner into its charging cradle. Connect the cradle to a power source or a computer's USB port using the provided USB cable. Charging begins automatically. A full charge provides approximately 30 hours of continuous scanning or 720 hours of standby time.



Image 4.1: Battery specifications, including 1800mAh capacity, 30 hours scanning time, 720 hours standby time, and 4 hours charging time.

### 4.2 Connecting the Cradle (USB Wired)

For wired operation, connect the charging cradle to your computer via the USB cable. The cradle houses the 433MHz wireless receiver, making the scanner ready for use once connected. This mode also allows the scanner to charge while in operation.

### 4.3 Wireless Connectivity (433MHz and Bluetooth)

The scanner supports both 433MHz wireless and Bluetooth connectivity. The 433MHz receiver is integrated

into the cradle, providing a transmission distance of up to 800m (2600ft) with barriers or 1500m (4900ft) in a barrier-free environment. Bluetooth connectivity offers a range of up to 15m (49ft) with barriers or 50m (164ft) in a barrier-free environment.

## Plug & Play

### USB Wireless Dongle or USB Wired Connection



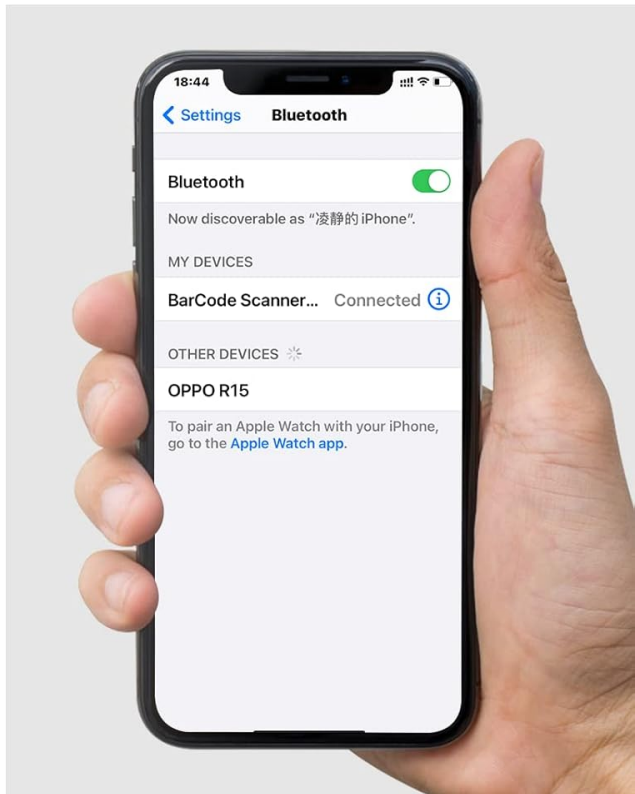
**USB Wired Connection**



**433 Wireless**



**Bluetooth Wireless  
Transmission**



*Image 4.2: The scanner offers flexible connectivity via USB wired connection, 433MHz wireless, and Bluetooth wireless transmission.*



## Long Transmission Distance

1500m / 4900ft

Barrier Free Environment



800m / 2600ft

433 Wireless



50m / 164ft

Barrier Free Environment



15m / 49ft

2.4GHz Wireless



Image 4.3: Transmission range comparison for 433MHz wireless (up to 1500m barrier-free) and Bluetooth (up to 50m barrier-free).

### 4.4 Operating System Compatibility

The scanner is compatible with various operating systems, including iOS, Android, Windows, Mac OS, and Linux, making it suitable for use with desktops, laptops, smartphones, and tablets.



Image 4.4: The scanner supports a wide range of operating systems and device types for broad compatibility.

## 5. OPERATING INSTRUCTIONS

### 5.1 Scanning Modes

The scanner offers three primary scanning modes:

1. **Key Trigger Mode:** Press the trigger button to initiate a scan.
2. **Continuous Scanning Mode:** The scanner continuously emits light and scans.
3. **Automatic Sensing Mode:** The scanner activates when it detects a barcode in its field of view.

To switch between these modes, refer to the configuration barcodes provided in the scanner's accompanying quick start guide or full manual. These barcodes are essential for customizing scanner behavior.

## Three Scanning Modes



**1** Key Trigger Mode



**2** Continuous Scanning Mode



**3** Automatic Sensing Mode

(The sensor detects changes in ambient brightness, when a change is detected, scanning will start.)

Image 5.1: Visual representation of the three available scanning modes for different operational needs.

### 5.2 Barcode Recognition Capabilities

The scanner features a German-manufactured camera with superior recognition ability, capable of reading various barcode types, including smudged, damaged, fuzzy, reflective, and color barcodes. It supports both 1D and 2D barcode formats.





Image 5.2: The scanner's ability to decode various barcode conditions and types, including 1D (EAN, UPC, Code 39, Code 128, etc.) and 2D (QR Code, Data Matrix, PDF417, etc.).

### 5.3 Memory Mode

The scanner includes a memory mode for storing barcodes when out of range or not connected. To activate memory mode, scan the corresponding barcode from your manual. To export stored data, scan the 'Export Data' barcode. To clear the memory, scan the 'Clear Memory' barcode. Note that exporting data does not automatically clear the memory.

### 5.4 Sound and Vibration Settings

The scanner may emit a loud beep when entering sleep mode or performing certain actions. Configuration barcodes are available in the manual to enable or disable sound and vibration feedback according to user preference.

## 6. MAINTENANCE

### 6.1 Cleaning

To clean the scanner, use a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the device. Ensure the scanning window is clean for optimal performance.

### 6.2 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Store the scanner in a cool, dry place when not in use for extended periods. Charge the battery regularly, even if the scanner is not in active use.

### 6.3 Cradle Adjustment

The scanner's cradle can be manually adjusted to a 45-degree angle. To do this, carefully remove the side parts of the cradle, adjust the angle, and reattach the side parts. Exercise caution as these parts may be delicate.

## 7. TROUBLESHOOTING

- **Scanner not connecting:** Ensure the cradle is properly connected to the computer via USB. For wireless connections, verify the scanner is paired via 433MHz or Bluetooth. If using Bluetooth, check your device's Bluetooth settings.
- **Scanner not transmitting data:** Confirm the scanner is in the correct operating mode (e.g., not in memory mode if direct transmission is desired). Check for any specific configuration barcodes that might affect data output.
- **Poor scanning performance:** Clean the scanning window. Ensure the barcode is not excessively damaged, smudged, or reflective. Adjust scanning distance.
- **No response from scanner:** Check battery level. Recharge if necessary. If the issue persists, attempt a factory reset by scanning the appropriate barcode from your manual.
- **Firmware Updates:** The manufacturer may release firmware updates. Always refer to the official product support website for instructions and reliable download sources. Be cautious of third-party websites for firmware downloads.

## 8. SPECIFICATIONS

Feature	Specification
Product Dimensions	3 x 4 x 7 inches
Item Weight	14.1 ounces
Battery Type	1 Lithium Polymer battery required
Battery Capacity	1800mAh
Continuous Scanning Time	Up to 30 hours
Standby Time	Up to 720 hours
Charging Time	Approximately 4 hours
Connectivity Technology	Bluetooth, 433MHz Wireless, USB Wired

Feature	Specification
433MHz Wireless Range (Barrier-Free)	Up to 1500m (4900ft)
433MHz Wireless Range (With Barriers)	Up to 800m (2600ft)
Bluetooth Wireless Range (Barrier-Free)	Up to 50m (164ft)
Bluetooth Wireless Range (With Barriers)	Up to 15m (49ft)
Compatible Devices	Desktop, Laptop, Smartphone, Tablet
Operating System Compatibility	iOS, Android, Windows, Mac OS, Linux
Drop Resistance	Withstands drops of up to 9.84ft (3m) to concrete floor
Ingress Protection (IP) Rating	IP67 (dustproof and water-resistant)

## 9. WARRANTY AND SUPPORT










### 9.1 Warranty Information

Your symcode 2D Bluetooth Industrial Barcode Scanner is covered by a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions. Keep your proof of purchase for warranty claims.

### 9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact symcode customer support. Contact details can typically be found on the manufacturer's official website or on the product packaging. When contacting support, please have your product model (B0C2PP844M) and purchase information ready.

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<p>Bluetooth/2.4G Wireless Barcode Scanner</p> <p>User's manual</p> <p>BROCHURE</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>
<p>1D Barcode Scanner User Manual</p> <p>Barcode Scanner Quick Set-up V2.0</p>	<p><a href="#">1D Barcode Scanner User Manual V2.0</a></p> <p>This user manual provides comprehensive instructions for the 1D Barcode Scanner, version 2.0. It covers setup, installation, scanning modes, configuration options, and technical specifications. Learn how to efficiently use the scanner in various commercial and industrial applications.</p>
<p>2D Barcode Scanner User Manual</p> <p>BROCHURE</p> 	<p><a href="#">Symcode MJ-340 2D Barcode Scanner User Manual</a></p> <p>Comprehensive user manual for the Symcode MJ-340 2D Barcode Scanner, covering setup, performance specifications, communication modes, and configuration options.</p>
	<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>Note: Please print it on A4 paper before scanning, and then scan &amp; setting codes in sequence.</p> <p>Continuous Mode</p>    <p>Trigger Mode</p>   	<p><a href="#">Symcode Barcode Scanner Configuration: Continuous and Trigger Modes</a></p> <p>Instructions for configuring Symcode barcode scanners using Continuous and Trigger modes by printing and scanning setting codes. Includes visual examples of barcodes for each mode.</p>
<p>TFT Screen Intellectual Wireless Barcode Scanner</p> <p>User's manual</p>  <p>BROCHURE</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>



