

symcode 2024

Symcode 2D QR Industrial Barcode Scanner Model 2024 User Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Symcode 2D QR Industrial Barcode Scanner Model 2024. Please read it thoroughly before using the device and retain it for future reference. This scanner is designed for industrial environments, offering robust performance and versatile connectivity options.

2. PRODUCT OVERVIEW

The Symcode 2D QR Industrial Barcode Scanner is a rugged, heavy-duty device designed for demanding environments. It features 2-in-1 Bluetooth and 433Mhz wireless connectivity, a wireless charging stand, and is capable of reading various 1D and 2D barcode types, including Direct Part Marks (DPM).

Key Features:

- **Rugged and Durable Design:** Built to withstand daily use in harsh conditions, with an IP65 rating for dust and drop resistance.
- **Versatile Connectivity:** Supports 2.4G wireless (via 433Mhz dongle), Bluetooth, and USB wired connections for flexible integration with various devices.
- **Extended Wireless Range:** 433Mhz wireless offers up to 1800 feet in open areas and 1300 feet with obstacles, while Bluetooth provides a range of up to 164 feet in barrier-free environments.
- **High-Performance Scanning:** Fast and accurate reading of 1D and 2D barcodes, including QR codes, Data Matrix, PDF417, Aztec code, Maxicode, and DPM codes.
- **Long Battery Life:** Equipped with an 1800mAh rechargeable battery, providing up to 30 hours of scanning time and 720 hours of standby time.
- **Wireless Charging Stand:** Convenient charging and connectivity via the included 433Mhz wireless cradle.

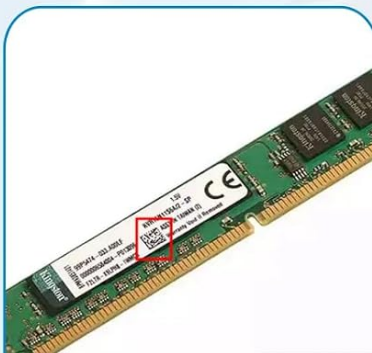
Product Components:



Figure 2.1: Symcode 2D QR Industrial Barcode Scanner and Charging Stand. The image displays the black and red scanner resting in its black charging cradle, connected via a USB cable.



Medical industry



Memory stick production



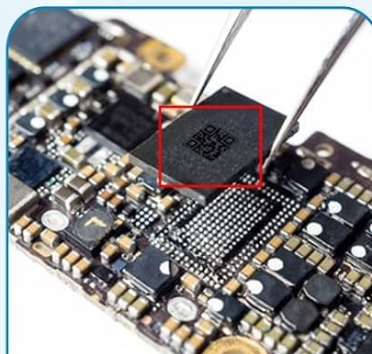
Camera module production



CPU motherboard production



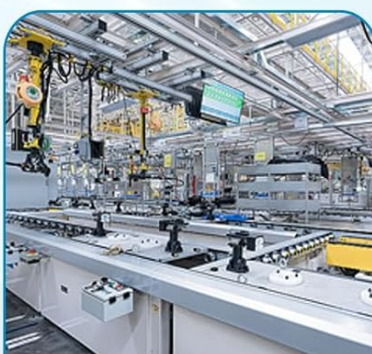
Battery production



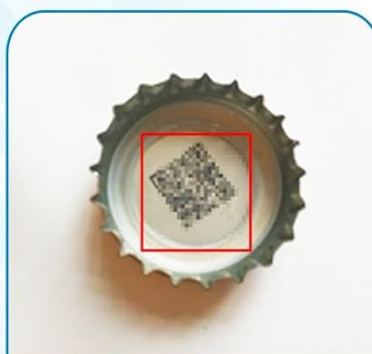
Motherboard microcode



DPM Data Matrix code



Automobile production



DPM QR code

Figure 2.2: Industrial Applications. This image shows various industrial uses for the scanner, including medical, memory stick, camera module, CPU, battery, motherboard, DPM data matrix, and automobile production.



Figure 2.3: Barcode Scanner Charging. This image shows the scanner in its charging stand, with blue lightning bolts indicating wireless charging, and a USB plug for connection.



Figure 2.4: Battery Life Overview. An illustration of the scanner highlighting its 1800mAh rechargeable battery, 30 hours scanning time, 720 hours standby time, and 4 hours charging time.

3. SETUP

3.1 Wired Connection (USB)

For a direct connection, simply connect the charging cradle to your computer via the provided USB cable. The scanner will function as a Human Interface Device (HID) and emulate a keyboard, allowing scanned data to appear directly in any active text field.



Figure 3.1: USB Wired Connection. The image shows the scanner in its cradle connected to a laptop via a USB cable, illustrating the wired connection method.

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Video 3.1: Demonstrates the wired connection and quick scanning functionality of the Symcode barcode scanner with a laptop.

3.2 Wireless Connection (433Mhz)

The 433Mhz wireless connection utilizes a USB dongle (integrated into the charging stand) for extended range. Ensure the charging stand is connected to your device via USB. The scanner will automatically pair with the dongle when placed in the cradle or by scanning specific pairing barcodes found in the physical user manual.

3.3 Bluetooth Pairing

To connect via Bluetooth, long-press the trigger for 8 seconds until the scanner enters pairing mode, or scan the dedicated Bluetooth pairing QR code from your physical user manual. Then, search for "BarCode Scanner HID" on your device's Bluetooth settings and connect.



Figure 3.2: Bluetooth Connectivity. This image illustrates the scanner connected to a smartphone via Bluetooth, showing the "BarCode Scanner HID" device name in the phone's Bluetooth settings.

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Video 3.2: Shows the process of pairing the barcode scanner via Bluetooth to a mobile device.

4. OPERATING INSTRUCTIONS

4.1 Basic Scanning

Point the scanner at the barcode you wish to read and press the trigger. A successful scan will typically be indicated by a beep and/or a green light. The scanned data will appear in the active text field on your connected device.

30H Ultra Long Scanning Time

with 1800 MAH high capacity rechargeable battery for working longer time



1800mAh

Rechargeable Battery

30hours

Scanning Time

720hours

Standby Time

4hours

Charging Time

Figure 4.1: Barcode Capacity. This image displays the scanner's ability to read various 1D and 2D barcodes, including damaged or folded ones, and QR codes.

symcode

2D Industrial Barcode Scanner



Figure 4.2: 1D & 2D Strong Decoding Ability. This image highlights the scanner's capability to read various barcode types, including frayed, folded, profiled, PCB board, and DPM codes.

4.2 Advanced Features: Prefix and Suffix

The scanner supports adding custom prefixes or suffixes to scanned data. This functionality is configured by scanning specific barcodes found in the comprehensive physical user manual. Examples include adding "RL" as a prefix or suffix.



Figure 4.3: Adding Prefix and Suffix. This image demonstrates how prefixes (e.g., "RL") can be added before or after the scanned barcode data, or even in the middle, using configuration settings.

4.3 Transmission Distance

The scanner offers impressive transmission distances depending on the connection type:

- **433Mhz Wireless:** Up to 1500m (4900ft) in barrier-free environments, and 800m (2600ft) with obstacles.
- **Bluetooth Wireless:** Up to 50m (164ft) in barrier-free environments, and 15m (49ft) with obstacles.

Long Transmission Distance

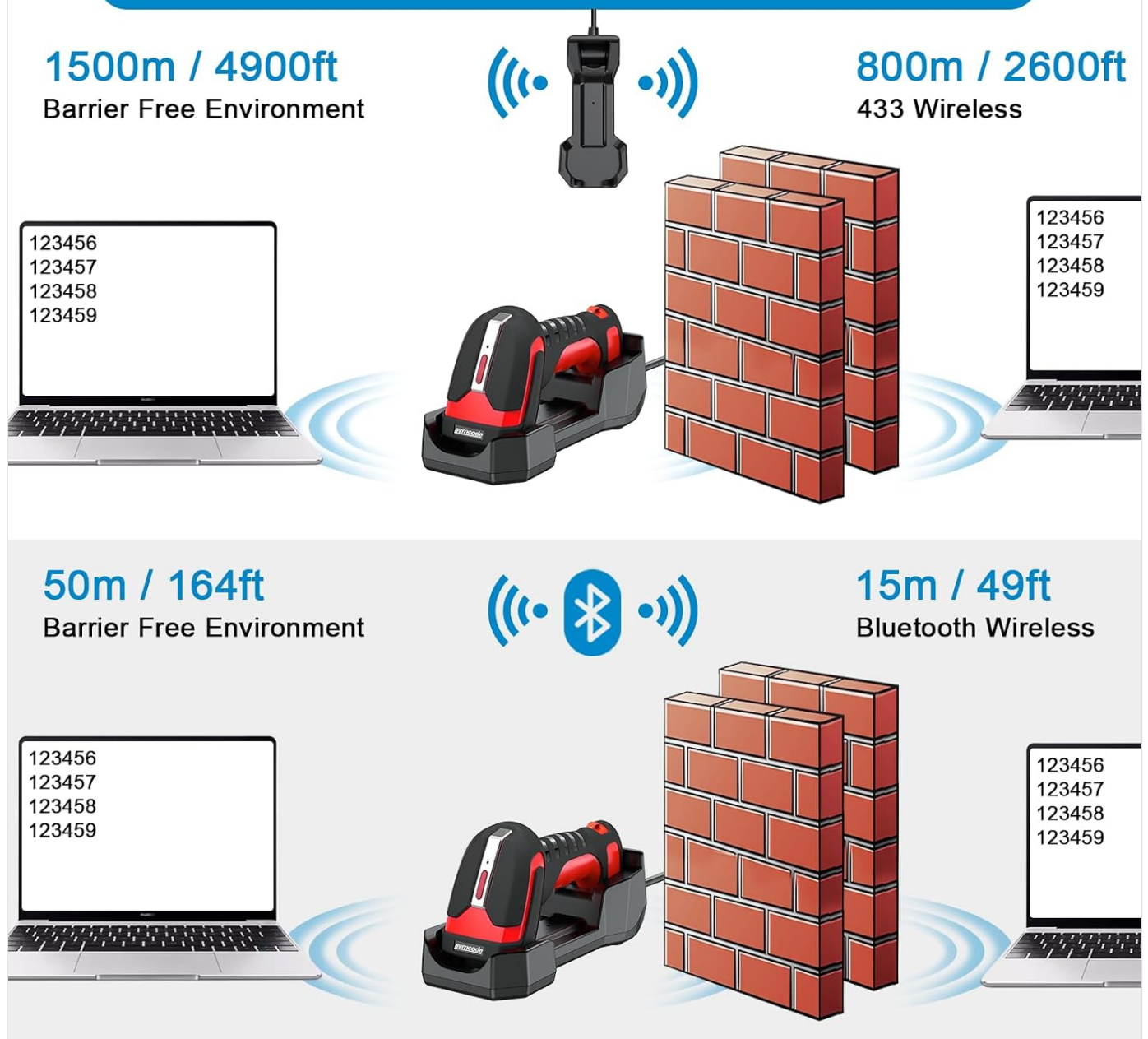


Figure 4.4: Long Transmission Distance. This diagram illustrates the effective range of the 433Mhz wireless (up to 4900ft barrier-free, 2600ft with obstacles) and Bluetooth wireless (up to 164ft barrier-free, 49ft with obstacles) connections.

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Video 4.1: Demonstrates the long transmission distance capability of the Symcode industrial barcode scanner.

5. MAINTENANCE

The Symcode barcode scanner is built for durability. Its rugged design and IP65 rating ensure resistance to dust and drops. To maintain optimal performance:

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. Avoid abrasive cleaners or solvents.
- **Charging:** Regularly charge the scanner using the provided wireless charging stand. Ensure proper alignment of

the scanner in the cradle for effective charging.

- **Storage:** Store the scanner in a cool, dry place when not in use.



Figure 5.1: Anti-shock Design. This image illustrates the scanner's anti-drop grade IP67 material, capable of withstanding multiple drops of 2.5 meters.

Your browser does not support the video tag.

Video 5.1: Highlights the superior durability and drop-proof performance of the Symcode 2D QR Industrial Barcode Scanner.

6. TROUBLESHOOTING

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

- **Scanner Not Responding:** Ensure the battery is charged. If using wireless, check the connection to the dongle or Bluetooth device.
- **Scanning Issues:**
 - Ensure the barcode is clean and not excessively damaged.
 - Verify the scanner is configured for the specific barcode type you are trying to read (refer to the physical manual for configuration barcodes).
 - Adjust the distance and angle of the scanner to the barcode.
- **Connectivity Problems:**
 - For 433Mhz wireless, ensure the USB dongle is securely connected to your device.
 - For Bluetooth, ensure the scanner is in pairing mode and your device's Bluetooth is enabled. Re-pair if necessary by long-pressing the trigger for 8 seconds or scanning the pairing code from the manual.
 - If data input is slow via Bluetooth, disabling your device's on-screen keyboard might improve speed.
- **Scanner Goes to Sleep Too Quickly:** The sleep timer can be adjusted via configuration barcodes in the physical user manual, up to 30 minutes. Note that longer sleep times will affect battery life.
- **Important Note:** The physical user manual contains essential configuration barcodes for advanced settings and pairing. **Do not lose the manual.**

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	3.25 x 4 x 7.25 inches
Item Weight	1.41 pounds
Item Model Number	2024
Batteries	1 Lithium Polymer battery required (included)
Power Source	433 charging cradle
Connectivity Technology	Bluetooth, USB Cable, 433Mhz Wireless
Compatible Devices	Desktop, Laptop, Smartphone, Tablet (iOS, Android, Windows, Mac OS, Linux)
Manufacturer	Symcode
Dust/Drop Resistance	IP65 rated, withstands multiple drops of 2.5 meters
433Mhz Wireless Range	Up to 1500m (4900ft) open area, 800m (2600ft) with obstacles
Bluetooth Wireless Range	Up to 50m (164ft) open area, 15m (49ft) with obstacles
Battery Capacity	1800mAh
Scanning Time	Up to 30 hours
Standby Time	Up to 720 hours

8. WARRANTY INFORMATION

Specific warranty details for the Symcode 2D QR Industrial Barcode Scanner Model 2024 are typically provided with your purchase documentation. Please refer to the warranty card or contact your retailer for precise terms and conditions. Standard manufacturer warranties generally cover defects in materials and workmanship under normal use.

9. SUPPORT

For technical assistance, troubleshooting beyond this manual, or inquiries regarding your Symcode 2D QR Industrial Barcode Scanner, please contact the seller or Symcode customer support. Refer to your product packaging or purchase invoice for contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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