symcode MJ-8200-B

Symcode 2D QR Barcode Scanner User Manual

Model: MJ-8200-B

1. PRODUCT OVERVIEW

The Symcode MJ-8200-B is an omnidirectional, hands-free 2D QR barcode scanner designed for efficient and accurate scanning of 1D and 2D barcodes from various surfaces, including labels, paper, mobile phone screens, and computer displays. Its plug-and-play USB interface ensures easy setup and compatibility with Windows, Linux, and other operating systems.

This scanner features CCD Optical Imaging Scanning Technology, which enhances its ability to read incomplete or fuzzy codes and codes displayed on screens. It offers both normal scanning mode and a 1D fast scanning mode, selectable via a top button for optimized performance.

Image 1.1: Front-side view of the Symcode MJ-8200-B 2D QR Barcode Scanner, showcasing its compact, hands-free design.

Key Features:

- **2D/QR Barcode Scanning:** Capable of reading 1D and 2D barcodes from physical labels and digital screens.
- **CCD Optical Imaging Technology:** Improves scanning accuracy for challenging barcodes, including those on screens or with imperfections.
- **Hands-Free Operation:** Designed for automatic scanning when a barcode is presented, allowing users to keep both hands free.
- **Plug-and-Play USB Interface:** No driver installation required for Windows, Linux, and other compatible systems.
- **Dual Scanning Modes:** Switch between normal and 1D fast scanning modes using the top button.
- **Robust Design:** Engineered to withstand drops from up to 5 feet (1.5 meters).
- **Visual and Auditory Indicators:** Features sound and LED indicators for power and operational status.

2. PACKAGE CONTENTS

Before proceeding with setup, please verify that all items are present in the package:

- Symcode MJ-8200-B Barcode Scanner
- USB Cable
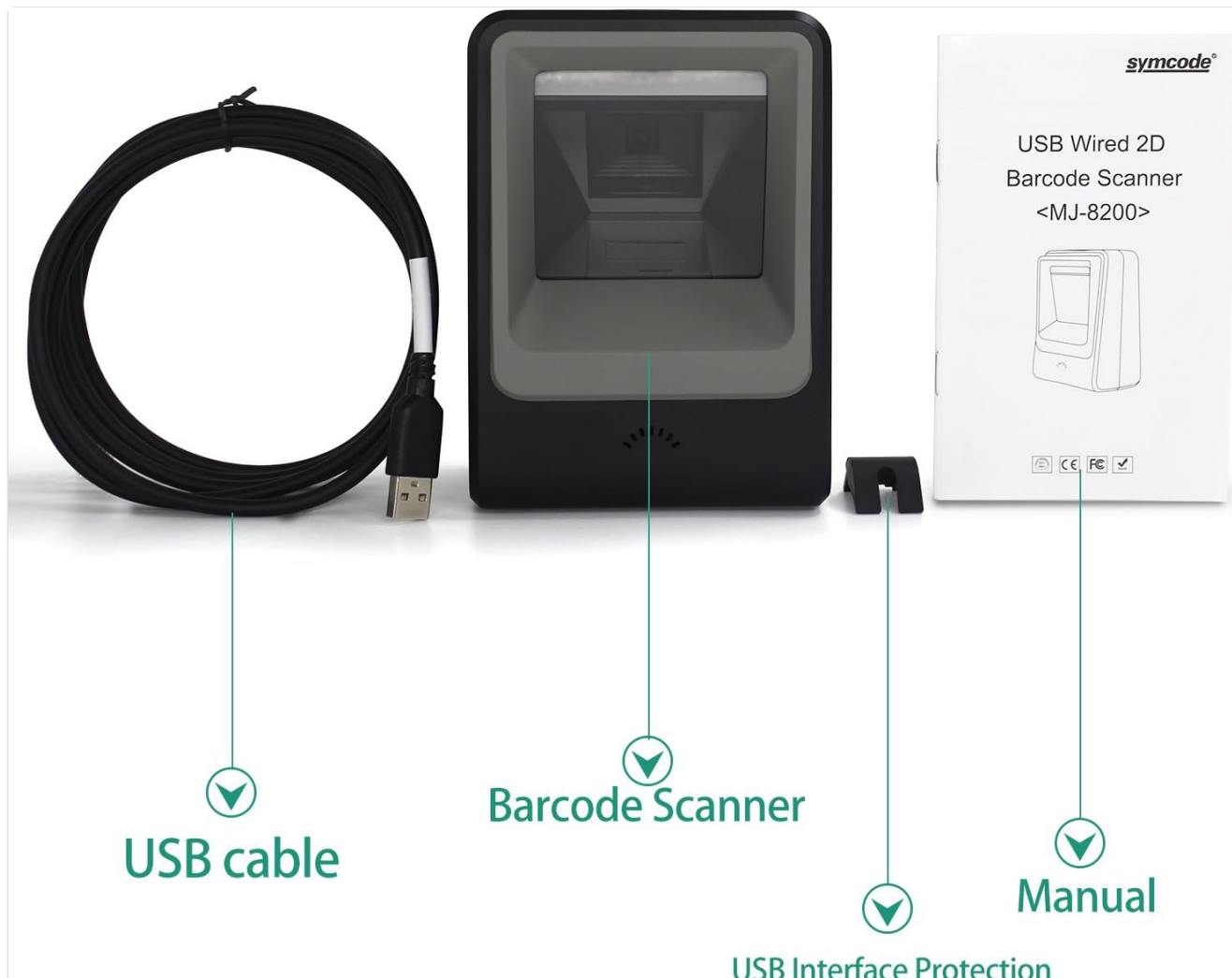- USB Interface Protection Cap
- User Manual (this document)

Image 2.1: Illustration of the Symcode MJ-8200-B package contents, showing the scanner, USB cable, and user manual.

3. SETUP INSTRUCTIONS

The Symcode MJ-8200-B barcode scanner is designed for simple plug-and-play operation. No complex driver installation is typically required.

1. **Connect the USB Cable:** Insert the USB cable into the designated port on the back of the barcode scanner.
2. **Connect to Computer:** Plug the other end of the USB cable into an available USB port on your computer (PC, laptop, or compatible device).
3. **System Recognition:** Your operating system (Windows, Linux, etc.) should automatically detect and install the necessary generic drivers. This process may take a few moments.
4. **Ready for Use:** Once the scanner is recognized, it will typically emit a short beep and the indicator light will illuminate, signifying it is ready for scanning.

Image 3.1: Multiple views of the Symcode MJ-8200-B scanner, illustrating its design from different perspectives.

4. OPERATING INSTRUCTIONS

4.1 Basic Scanning Operation

The scanner operates automatically when a barcode is presented within its scanning window.

1. **Position Barcode:** Place the barcode you wish to scan in front of the scanner's window.
2. **Automatic Scan:** The scanner will automatically detect the barcode and emit a successful scan beep, and the data will be transmitted to your connected computer as keyboard input.

Image 4.1: The Symcode MJ-8200-B scanner actively scanning a QR code displayed on a smartphone screen, demonstrating its capability to read digital barcodes.

4.2 Scanning Modes

The scanner features a top button that allows you to switch between two primary scanning modes:

- **Normal Mode (Blue Light):** This is the default mode, suitable for general 1D and 2D barcode scanning, including printed codes and screen codes. It provides sensitive and accurate performance for daily use.

- **High Speed Mode (Yellow Light):** For particularly difficult-to-scan printed codes, press the top button to activate this mode. It can significantly improve scanning accuracy for challenging barcodes.

Blue light: normal mode

Can be sensitive to identify 1D, 2D, screen code, print code, daily work recommended to use this model

Yellow light: high speed mode

Encountered particularly difficult to scan the printed code, press the top button, can greatly improve the scanning accuracy

Image 4.2: Close-up of the scanner's top button and indicator lights, showing the blue light for Normal Mode and yellow light for High Speed Mode.

4.3 Component Identification

Image 4.3: Detailed diagram identifying key components of the Symcode MJ-8200-B scanner, including LED lights, scan window, buzzer, and the switch button/indicator light.

- **Switch Button/Indicator Light:** Located on the top, used to change scanning modes and indicates operational status.
- **LED Lights:** Internal illumination for scanning.
- **Scan Window:** The area through which barcodes are read.
- **Buzzer:** Provides audible feedback for successful scans and status changes.

5. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your Symcode barcode scanner, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the scanner's exterior and scan window with a soft, dry, lint-free cloth. For stubborn smudges on the scan window, a slightly damp cloth with mild, non-abrasive cleaner can be used, followed by immediate drying. Avoid harsh chemicals or abrasive materials.
- **Handling:** While the scanner is robust, avoid dropping it or subjecting it to excessive force.

- **Environment:** Operate and store the scanner in a clean, dry environment, away from extreme temperatures, direct sunlight, and excessive dust or moisture.
- **Cable Care:** Do not bend or crimp the USB cable excessively. Always grasp the plug, not the cable, when disconnecting.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Scanner not recognized by computer.	Loose USB connection; faulty USB port; driver issue.	Ensure USB cable is securely connected. Try a different USB port on your computer. Restart your computer.
Scanner does not scan barcodes.	Barcode damaged or unreadable; incorrect scanning mode; scanner malfunction.	Ensure the barcode is clear and undamaged. Try switching between Normal and High Speed scanning modes. Verify the scanner's indicator light is on.
Scanned data is incorrect or incomplete.	Poor barcode quality; scanner not properly aligned; software issue.	Ensure the barcode is flat and well-lit. Try adjusting the angle or distance of the barcode from the scanner. Check your application software settings.
Scanner beeps but no data is transmitted.	Application not in focus; incorrect keyboard layout setting.	Ensure the cursor is in the correct input field of your application. Check your computer's keyboard language settings.

If the problem persists after attempting these solutions, please contact Symcode customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Model Number	MJ-8200-B
Dimensions (L x W x H)	5.91 x 2.81 x 4.25 inches (150mm x 71.5mm x 108mm)
Weight	11.9 ounces (480g shipping weight)
Interface	USB 2.0
Light Source	617nm LED (aimer); 6500K LEDs (illumination)
Image Sensor	640*480 CMOS
Processor	ARM32-bit
Scan Speed	200 times/second
Power	DC 5V

Feature	Detail
Current	400mA ±5%
Compatible Devices	Laptop, PC, and other devices with USB interface.
Operating Systems	Windows, Linux, and other compatible systems.
Decode Capability (1D)	EAN-8, EAN-13, Codabar, CODE 39, CODE 93, CODE 128, China Post, GS1-128, UPC-A, UPC-E, ISBN/ISSN, ISBT, Interleaved 2 of 5, Standard 2 of 5, Matrix 2 of 5, Industrial 2 of 5, MSI, RSS, ITF14, Telepen, etc.
Decode Capability (2D)	QR Code, Micro QR Code, Data Matrix, PDF417, Micro PDF417, Maxicode, Aztec, Hanxin, etc.

2.4in/6.2cm

4.3in/10.8cm

5.9in/15cm

2.8in/7.1cm
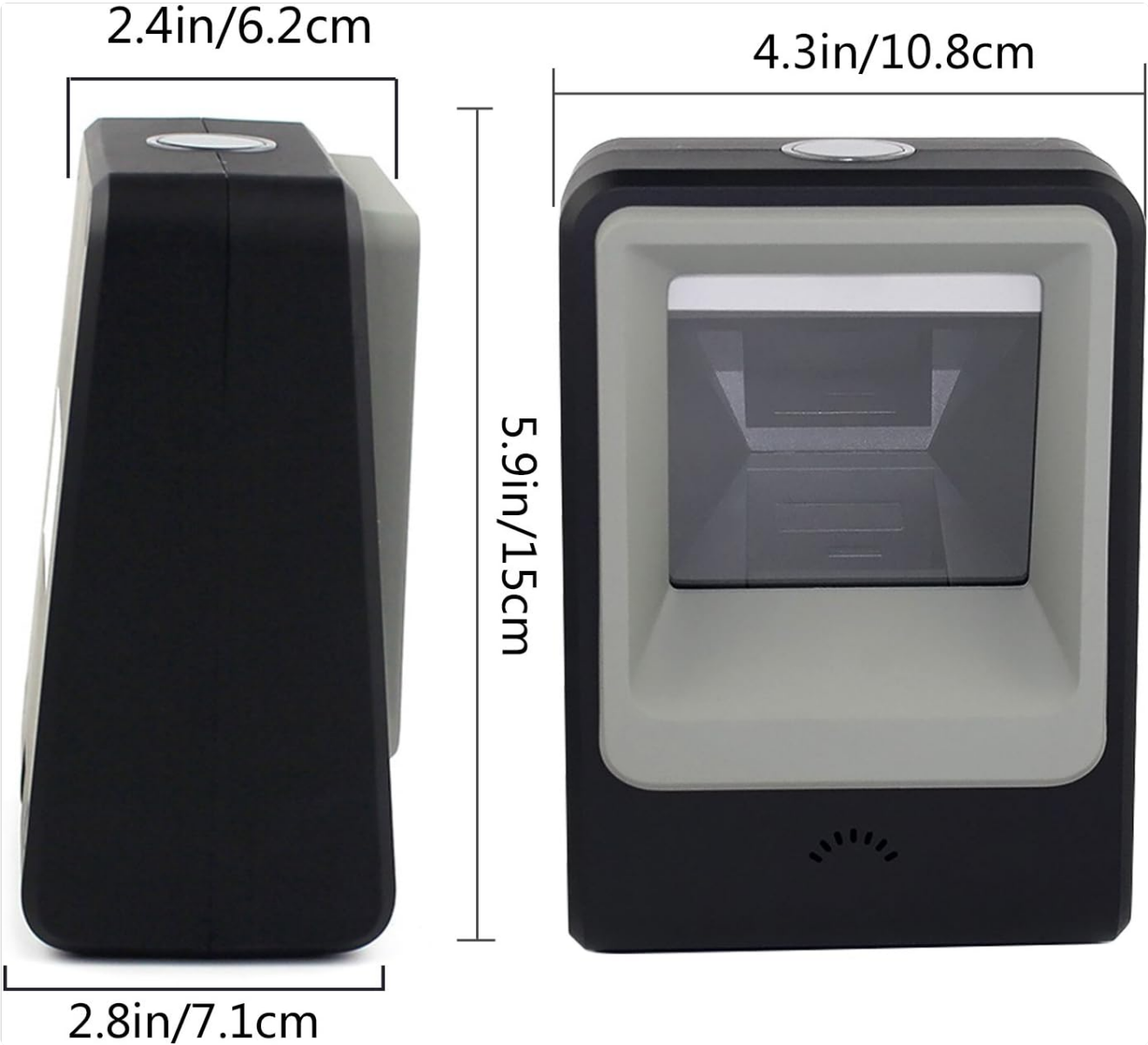
Image 7.1: Dimensional diagram of the Symcode MJ-8200-B scanner, showing its height, width, and depth in both inches and centimeters.
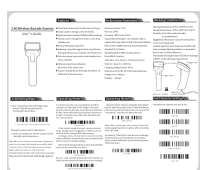
8. WARRANTY AND SUPPORT

Symcode products are manufactured to high-quality standards. For information regarding product warranty, please refer to the warranty card included with your purchase or visit the official Symcode website.

For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please contact Symcode customer service. Contact information can typically be found on the product packaging, the official Symcode website, or through your point of purchase.

Manufacturer: symcode

Related Documents - MJ-8200-B

2D Barcode Scanner User Manual BROCHURE	[Symcode MJ-340 2D Barcode Scanner User Manual](#) Comprehensive user manual for the Symcode MJ-340 2D Barcode Scanner, covering setup, performance specifications, communication modes, and configuration options.
	[2.4G Wireless Barcode Scanner User's Guide	Symcode](#) Comprehensive user's guide for the Symcode 2.4G Wireless Barcode Scanner, detailing features, performance parameters, operating modes, setup options, and specifications.
Bluetooth/2.4G Wireless Barcode Scanner User's manual BROCHURE	[Bluetooth/2.4G Wireless Barcode Scanner User Manual](#) Comprehensive user manual for the Bluetooth/2.4G Wireless Barcode Scanner, covering features, setup procedures, operating modes, troubleshooting, and indicator explanations.
Note: Please print it on A4 paper before scanning, and then scan 5 setting codes in sequence. Continuous Mode Trigger Mode	[Symcode Barcode Scanner Configuration: Continuous and Trigger Modes](#) 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.

TFT Screen Intellectual Wireless Barcode Scanner User's manual BROCHURE	[TFT Screen Intellectual Wireless Barcode Scanner User Manual](#) 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.
Беспроводной Bluetooth/2.4G Сканер Штрих-кода **Руководство пользователя**	[Wireless Bluetooth/2.4G Barcode Scanner User Manual](#) Comprehensive user manual for the Wireless Bluetooth/2.4G Barcode Scanner, detailing its features, technical specifications, operating modes, connection methods, safety precautions, and troubleshooting tips.