

Symcode R40DB

Symcode R40DB Handheld 1D/2D Barcode Scanner User Manual

1. INTRODUCTION

This manual provides instructions for the Symcode R40DB handheld barcode scanner. This device is designed for efficient and reliable scanning of both 1D and 2D barcodes, offering multiple connectivity options for various applications. Please read this manual thoroughly before using the product to ensure proper operation and to maximize its performance.

2. PRODUCT OVERVIEW

The Symcode R40DB is an ergonomically designed handheld barcode scanner, ensuring comfortable use even during extended periods. It is suitable for a wide range of environments, including manufacturing, inventory management, logistics, retail, office settings, and libraries. Its robust decoding capabilities allow it to read various barcode types efficiently.



Image: The Symcode R40DB handheld barcode scanner, showcasing its compact and ergonomic design.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- Symcode R40DB Barcode Scanner
- Charging/Receiver Stand
- USB Cable
- 2.4GHz Wireless USB Dongle
- User Manual (Japanese)

大容量電池を内蔵されます

本スキャナーはユニークなシステムを持っており、電池の容量が1500mahだが、長いスタンバイ時間、約1.5H受電を完成します。さらに全パワーで一ヶ月のスタンバイ時間を実現され96H連続使用もできます。



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Image: Contents of the Symcode R40DB package, including the scanner, stand, USB cable, 2.4GHz dongle, and user manual.

4. SETUP

The Symcode R40DB scanner features a plug-and-play design, eliminating the need for application downloads or software driver installations. For detailed setup instructions, refer to the included Japanese user manual, which contains specific configuration barcodes.

Initial Power On

1. Ensure the scanner is charged.
2. Press the trigger button to power on the device.

5. CONNECTIVITY

The Symcode R40DB offers three versatile connection methods:

- **Bluetooth:** Connects wirelessly to Bluetooth-enabled devices such as smartphones, tablets (iOS, Android), and computers.
- **2.4GHz Wireless:** Utilizes the included USB dongle for wireless connection to computers.
- **USB Cable:** Provides a direct wired connection to a computer via the USB cable.

The scanner is compatible with Windows, Mac, iOS, and Android operating systems. For PCs without built-in Bluetooth, a separate Bluetooth receiver adapter may be required for Bluetooth connectivity.

Connecting to a Device

To set up a connection, scan the appropriate configuration barcode from the user manual. For example, to connect via Bluetooth, scan the 'Bluetooth Pairing' barcode. The device will automatically pair with your host system.



Image: Diagram illustrating the wired USB connection and wireless 2.4GHz and Bluetooth connection modes for the Symcode R40DB scanner.

Transmission Distance

The wireless transmission range varies depending on the connection type and environment:

- **2.4GHz Wireless:** Up to 150m (492ft) in barrier-free environments; up to 30m (98ft) in environments with obstacles.
- **Bluetooth:** Up to 50m (164ft) in barrier-free environments; up to 15m (49ft) in environments with obstacles.

1次元 & 2次元 優れたデコード能力

弱光の下でも強光の下でもぼやけたり破損したりバーコードがすべて認識されます



1次元: JAN/EAN-13、JAN/EAN-8、UPC-A、UPC-E、Code11、Code32、Code39、Code 39 Full ASCII、Code93、Code128、Codabar (NW-7)、Interleaved 2 of 5、Matrix 2 of 5、Industrial 2 of 5、Standard 2 of 5、PLESSEY、MSI、ITF14、ISBN、ISSN、GS1 Databar、GS1-128 (UCC/EAN128)、ISBT-128 など

2次元: QR Code、Data Matrix、PDF417、Aztec code、Maxicode

Image: Visual representation of the Symcode R40DB's wireless transmission distances for both 2.4GHz and Bluetooth connections, showing ranges in open and obstructed environments.

6. OPERATING INSTRUCTIONS

To scan a barcode, aim the scanner's light at the barcode and press the trigger button. The scanner will emit a confirmation sound or vibration upon successful decoding, depending on your settings.

グレア/リフレクティブ/ダーク環境もサポートします



サポート



スクリーンコード



運輸コード



1Dコード



2Dコード

Image: The Symcode R40DB scanner actively decoding a QR code displayed on a smartphone screen, demonstrating its 1D and 2D scanning capability.

7. DECODING CAPABILITIES

The Symcode R40DB scanner features excellent decoding capabilities, allowing it to recognize blurry or damaged barcodes even in weak or strong lighting conditions. It supports a wide array of 1D and 2D barcode symbologies:

Supported 1D Barcodes:

- JAN/EAN-13, JAN/EAN-8, UPC-A, UPC-E
- Code11, Code32, Code39, Code 39 Full ASCII, Code93, Code128
- Codabar (NW-7), Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Standard 2 of 5
- PLESSEY, MSI, ITF14, ISBN, ISSN
- GS1 Databar, GS1-128 (UCC/EAN128), ISBT-128

Supported 2D Barcodes:

- QR Code, Data Matrix, PDF417, Aztec code, Maxicode



Image: The Symcode R40DB scanner's ability to decode barcodes in challenging conditions, including glare, reflective surfaces, and dark environments.

8. CUSTOMIZABLE SETTINGS

The scanner offers various customizable settings to suit different operational needs:

- **Scan Modes:** Choose between Trigger Mode (scan upon button press), Continuous Scan Mode (scans continuously), and Auto-Sensing Mode (scans when a barcode is detected).
- **Data Transmission:** Configure for instant data transmission or batch transmission after temporarily storing up to approximately 50,000 barcode data entries in memory.
- **Feedback:** Toggle sound and vibration feedback on or off according to preference.

Refer to the detailed instructions in the product manual for specific barcodes to configure these settings.

9. MAINTENANCE

To ensure the longevity and optimal performance of your Symcode R40DB scanner, follow these maintenance guidelines:

- Keep the scanner clean by wiping it with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- Protect the scanning window from scratches and dirt.
- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid dropping the scanner or subjecting it to strong impacts.

Battery Care

The scanner is equipped with a large-capacity 1500mAh Lithium-Ion battery. To maintain battery health:

- Charge the battery fully before first use.
- Avoid completely discharging the battery frequently.
- If storing the scanner for an extended period, charge it to about 50% capacity.

ワイヤレスとワイヤモードをサポートします

ワイヤモード



ワイヤレスモード



Image: Illustration of the Symcode R40DB's internal battery, highlighting its large capacity and extended standby/continuous use times.

10. TROUBLESHOOTING

If you encounter issues with your Symcode R40DB scanner, consider the following common troubleshooting steps:

- **Scanner not connecting:** Ensure the scanner is powered on and fully charged. Verify that the correct connection mode (Bluetooth, 2.4GHz, or USB) is selected and properly configured according to the manual. For 2.4GHz, ensure the USB dongle is securely inserted. For Bluetooth, ensure your host device's Bluetooth is enabled and the scanner is in pairing mode.
- **Barcodes not scanning:** Check if the barcode is clean and undamaged. Ensure the scanner's window is clean. Adjust the distance and angle of the scanner to the barcode. Confirm that the barcode type is supported by the scanner (refer to Decoding Capabilities section).
- **No feedback (sound/vibration):** Check the scanner's settings to ensure sound and/or vibration feedback is enabled.
- **Data transmission issues:** Verify the connection is stable. If using batch mode, ensure data is being transmitted from the scanner's memory.

For persistent issues, consult the detailed troubleshooting section in the included user manual or contact customer support.

11. SPECIFICATIONS

Feature	Specification
Brand	Symcode
Model Number	R40-2D
Connectivity Technology	Bluetooth, 2.4GHz Wireless, USB Cable
Power Source	Battery Powered
Battery Type	1 Lithium Ion Battery (included)
Battery Capacity	1500mAh
Standby Time	Approx. 1 month (full power)
Continuous Use Time	Approx. 96 hours
Scan Rate	100 fps

Feature	Specification
Supported 1D Codes	JAN/EAN-13, JAN/EAN-8, UPC-A, UPC-E, Code11, Code32, Code39, Code 39 Full ASCII, Code93, Code128, Codabar (NW-7), Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Standard 2 of 5, PLESSEY, MSI, ITF14, ISBN, ISSN, GS1 Databar, GS1-128 (UCC/EAN128), ISBT-128
Supported 2D Codes	QR Code, Data Matrix, PDF417, Aztec code, Maxicode
Data Storage	Approx. 50,000 barcode entries
UPC	889489266233

12. WARRANTY AND SUPPORT

Symcode Technology, established in 2009, specializes in the development and manufacturing of barcode scanners. We are committed to providing high-quality products and comprehensive customer support. If you have any questions, require assistance, or are interested in bulk purchases or customized products, please do not hesitate to contact us via Amazon's messaging system.