

Eyoyo YH1703JP

Eyoyo YH1703JP 2D Bluetooth Barcode Scanner User Manual

Model: YH1703JP

1. INTRODUCTION

The Eyoyo YH1703JP is a compact, wearable ring-type barcode scanner designed for enhanced efficiency and convenience. It supports multiple connectivity options including Bluetooth, 2.4G wireless, and USB wired connections, making it versatile for various environments. This manual provides detailed instructions for setting up, operating, and maintaining your scanner.

2. KEY FEATURES

- **Wearable & Ergonomic Design:** The scanner features a revolutionary wearable design that easily attaches to your finger, freeing your hands for other tasks. The scanner body is 330° adjustable, allowing for comfortable use on both the left and right hand, significantly improving work efficiency.
- **3-in-1 Connectivity:** Supports three connection methods: 2.4G wireless, Bluetooth, and USB wired. You can choose the most suitable connection method for your device without needing dedicated drivers.
- **High-Speed & Accurate Scanning:** Capable of scanning both 1D and 2D codes, including QR codes. It can read codes displayed on LCD screens (smartphones, tablets, PCs) and even damaged or scratched printed barcodes.
- **Multi-functional & Customizable:** Offers various settings such as instant upload mode for real-time data transmission and storage mode (16MB capacity, storing up to 100,000 EAN13 barcodes) for batch uploading. Supports editing prefixes/suffixes, hiding parts of barcodes, and case conversion.
- **Vibration Feedback:** Equipped with a vibration function, allowing you to confirm successful scans even in noisy environments or when the buzzer sound is turned off.
- **Long Battery Life:** Features a built-in rechargeable battery that fully charges in approximately 4 hours and provides up to 8-10 hours of continuous operation.
- **Wide System Compatibility:** Compatible with various operating systems including Windows XP/7/8/10, Mac OS, Linux, Android, and iOS, and devices such as PCs, smartphones, and tablets.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1x Eyoyo Ring Barcode Scanner

- 1x User Manual
- 1x USB Cable
- 1x 2.4G Dongle



Figure 3.1: Package Contents

4. SETUP AND CHARGING

4.1 Charging the Scanner

Before first use, fully charge the scanner. Connect the provided USB cable to the scanner's USB-C charging port and plug the other end into a power adapter or computer USB port. A full charge takes approximately 4 hours.

Video 4.1: Demonstrates the USB-C charging port and charging process.

4.2 Wearing the Scanner

The scanner is designed to be worn on your finger. Adjust the strap for a comfortable and secure fit. The scanner head can rotate 330° to accommodate both left and right-hand use and optimize scanning angles.

本体が回転可能・ウェアラブルデザイン

スキャナー本体は 330° 調節可能で、スキャン位置を調整することができます。
左手と右手で切り替えて付けることができます。



Figure 4.1: Wearing the scanner and its adjustable head.

5. CONNECTIVITY MODES

The Eyoyo YH1703JP offers three versatile connection modes:

5.1 Bluetooth Connection

Pair the scanner with your smartphone, tablet, or PC via Bluetooth for wireless operation. This mode is ideal for mobile applications.

1. Turn on the scanner.
2. Scan the 'Bluetooth Pairing' barcode (refer to the included user manual for specific barcode).
3. On your device, go to Bluetooth settings and select 'Eyoyo Scanner' to pair.

5.2 2.4G Wireless Connection

For computers without Bluetooth, use the provided 2.4G USB dongle.

1. Plug the 2.4G USB dongle into an available USB port on your computer.

2. Turn on the scanner. It should automatically connect to the dongle. If not, scan the '2.4G Pairing' barcode (refer to the included user manual).

5.3 USB Wired Connection

Connect the scanner directly to your computer using the USB cable for a stable wired connection. No drivers are required.

1. Connect the USB cable to the scanner and your computer.
2. The scanner will function as a USB HID keyboard device.



Figure 5.1: Overview of 3-in-1 Connection Modes.

5.4 Transmission Distance

The effective transmission range varies by connection type and environment:

- **2.4G Dongle Connection:** Up to 100m (328ft) in obstacle-free environments, up to 70m (229ft) with obstacles.
- **Bluetooth 4.1 Connection:** Up to 50m (164ft) in obstacle-free environments, up to 30m (98ft) with obstacles.

長い伝送距離



Figure 5.2: Transmission Distance Comparison.

6. OPERATING INSTRUCTIONS

6.1 Basic Scanning

To scan a barcode, point the scanner at the code and press the trigger button. A successful scan will typically be indicated by a beep and/or vibration.

6.2 Scanning Capabilities

The Eyoyo YH1703JP supports a wide range of 1D and 2D barcode symbologies:

- **2D Codes:** QR Code, Data Matrix, PDF417, Aztec Code, Hanxin, Micro PDF417.
- **1D Codes:** JAN/EAN-13, JAN/EAN-8, UPC-A, UPC-E, Code11, 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, ISBT-128, etc.

The scanner can read barcodes from various sources, including printed labels and digital displays (smartphones, tablets, PC screens). It can also read damaged or smudged barcodes.

1D、2D コードをスキャン

高解像度のスキャンカメラを採用しており、多くの1D/2Dコードを手軽に取り込めます。



Figure 6.1: Supported 1D and 2D Barcode Types.

6.3 Data Transmission Modes

The scanner supports two data transmission modes:

- **Instant Upload Mode:** Scanned data is immediately transmitted to the connected device.
- **Storage Mode:** Scanned data is stored in the scanner's internal memory (16MB, up to 100,000 EAN13 barcodes) and can be uploaded in bulk later. This is useful when out of range.

6.4 Customizable Settings

The scanner allows for various customizations by scanning specific configuration barcodes (found in the full user manual):

- **Prefix/Suffix Editing:** Add custom characters before or after scanned data.
- **Barcode Data Hiding:** Conceal specific parts of a barcode.
- **Case Conversion:** Convert scanned data to uppercase or lowercase.
- **Sound & Vibration Control:** Turn the buzzer sound on/off and enable/disable vibration feedback.

7. MAINTENANCE

To ensure optimal performance and longevity of your Eyoyo YH1703JP scanner, follow these maintenance guidelines:

- **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.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Avoid fully discharging the battery frequently. If storing for an extended period, charge the battery to about 50% and recharge every few months to prevent deep discharge.
- **Handle with Care:** Although durable, avoid dropping the scanner or subjecting it to strong impacts.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Scanner does not turn on.	Low battery.	Charge the scanner for at least 4 hours.
Scanner does not connect via Bluetooth/2.4G.	Not paired or out of range.	Ensure the scanner is in pairing mode. Re-pair the device. Check the distance to the host device.
Scanner does not read barcodes.	Barcode type not supported, damaged code, or incorrect settings.	Verify the barcode type is supported. Try scanning a known good barcode. Check if the barcode is too damaged. Reset scanner to factory defaults (refer to manual for barcode).
Data appears garbled or incorrect.	Keyboard layout mismatch (e.g., Japanese vs. US keyboard).	Configure the scanner's keyboard layout to match your computer's (refer to manual for specific barcodes).
2.4G mode requires re-pairing after sleep.	Expected behavior for some systems.	This may be a system-specific behavior. Ensure the dongle is securely connected and the scanner is within range.

For more detailed troubleshooting or issues not listed here, please refer to the comprehensive user manual included with your product or contact customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	Eyoyo
Model Number	YH1703JP
Connectivity Technology	Bluetooth, 2.4G Wireless, USB Cable

Feature	Detail
Power Source	Battery Powered
Battery Type	1 Lithium Ion battery (included)
Battery Life	Up to 8-10 hours continuous use (after 4 hours charge)
Adjustable Angle	330 degrees
Package Dimensions	10.8 x 8.7 x 4.4 cm
Item Weight	110 g
Supported 1D Codes	JAN/EAN-13, JAN/EAN-8, UPC-A, UPC-E, Code11, 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, ISBT-128
Supported 2D Codes	QR Code, Data Matrix, PDF417, Aztec Code, Hanxin, Micro PDF417
Storage Capacity	16MB (approx. 100,000 EAN13 barcodes)

10. WARRANTY AND SUPPORT

Eyoyo provides a **1-year quality warranty** for this product. If you have any questions or encounter issues during use, please do not hesitate to contact us. We strive to respond to inquiries within 2 hours and will do our best to resolve your problems promptly.

How to Contact Support:

Navigate to your Amazon account service:

"Account Service" → "Order History" → "Seller" → "Ask a Question"