symcode MJ-2030

Symcode Wireless Barcode Scanner User Manual

Model: MJ-2030

1. INTRODUCTION

The Symcode Wireless Barcode Scanner is a versatile 2-in-1 device offering both 2.4GHz wireless and USB 2.0 wired connectivity. Designed for efficiency, this handheld automatic 1D laser barcode scanner provides a transmission distance of up to 328 feet and features a rechargeable battery for extended use. It is suitable for various environments, including retail, warehousing, and inventory management.

Figure 1: Symcode Wireless Barcode Scanner with included accessories.

2. Key Features

- **Dual Connectivity:** Supports both 2.4GHz wireless and USB cable connections for flexible use.

- **Plug and Play:** Easy setup with automatic pairing via the Mini USB Receiver, requiring no software installation.

- **Extended Transmission Range:** Achieves up to 400m (1312 feet) transmission in open air and 100m (328 feet)

indoors.

- **Long-lasting Battery:** Integrated 2000mAh Li-Ion battery provides over a week of continuous scanning or more than half a year of standby time on a full charge.

- **Multiple Network Modes:** Supports one-to-one and more-to-one connections, allowing multiple scanners to transmit data to a single wireless receiver.

- **Two Working Modes:** Features Instant Upload Mode for real-time data transfer and Storage Mode for offline data collection (up to 100,000 barcodes).

- **Durable Design:** Equipped with anti-shock silicone (IP54 rated) to protect against drops from up to 6.56 feet.

Your browser does not support the video tag.

Video 1: Overview of Symcode Wireless Barcode Scanner features and capabilities.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x Symcode Wireless Barcode Scanner
- 1 x Mini USB Receiver (2.4GHz)
- 1 x USB Charging/Data Cable
- 1 x User Manual (this document)

4. SETUP GUIDE

4.1 Initial Charging

Before first use, fully charge the scanner. Connect the USB charging cable to the scanner's charging port and the other end to a USB 2.0 port on your computer or a compatible USB power adapter. The red light indicates charging status.

2000mAh rechargeable battery works for up to 12,000 hours or 74000 times after 3 to 4 hours after 3 to 4 hours of charging.

Anti-Shock Silicone(IP54)

Black silicone protective cover can prevent scratches to glass window. Its cushioning effect helps protect the unit from falls of up to 6.56ft.
shes

Figure 2: The scanner features a 2000mAh rechargeable battery and anti-shock silicone protection.

4.2 Connecting the Scanner (2.4GHz Wireless Mode)

1. Insert the Mini USB Receiver into an available USB port on your computer (PC, laptop, etc.).

2. The scanner and receiver should automatically pair. The blue light on the scanner indicates pairing status.

3. Once paired, the scanner is ready for use.
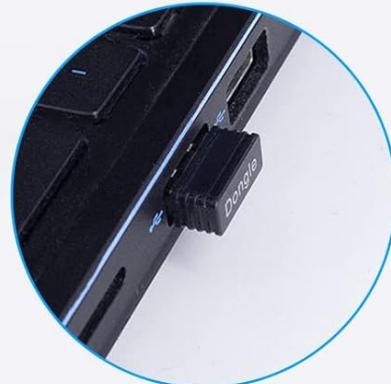
Figure 3: The upgraded mini USB receiver is reliable and portable.

4.3 Connecting the Scanner (USB Wired Mode)

For wired operation, connect the scanner directly to your computer using the provided USB cable. The scanner will function as a standard USB HID keyboard device, requiring no additional drivers.

5. OPERATING INSTRUCTIONS

5.1 Basic Scanning

To scan a barcode, point the scanner's laser at the barcode and press the trigger button. A successful scan will be indicated by a beep and the green light on the scanner. The scanned data will appear in the active application on your connected device.

Figure 4: The scanner supports various 1D barcode types and uses 2.4G wireless technology.

5.2 Data Upload Modes

The scanner supports two primary data upload modes:

- **Instant Upload Mode:** Data is transmitted to your computer immediately after each successful scan. This is the default mode.

- **Storage Mode:** Barcodes are stored in the scanner's internal memory. This mode is useful when out of range of the receiver. The scanner can store up to 100,000 barcodes. To upload stored data, scan the "Upload Data" barcode (refer to the quick setup guide for specific barcodes).
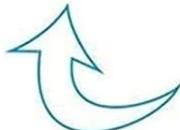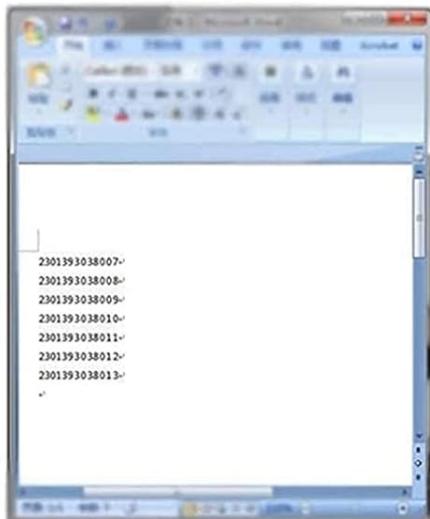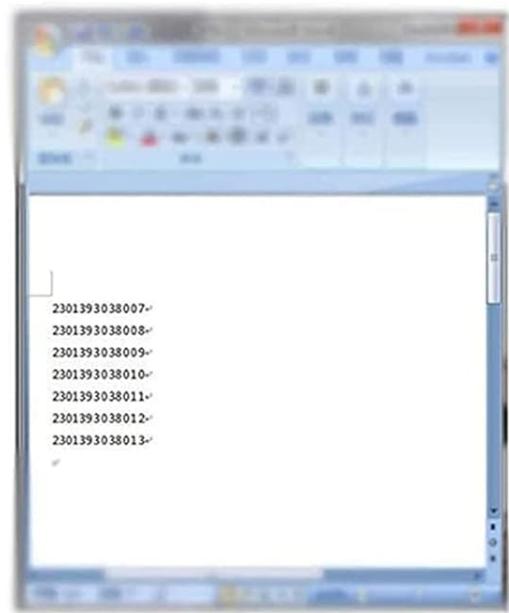
Figure 5: Illustration of Instant Upload Mode and Storage Mode functionality.

5.3 Barcode Programmable Features

The scanner allows for customization of scanned data output:

- **Prefix & Suffix Setting:** Add custom characters before or after scanned barcode data.
- **Insert/Delete Character:** Modify the scanned data by inserting or deleting specific characters.

Refer to the included quick setup guide or manufacturer's website for specific programming barcodes to activate these features.

Figure 6: The scanner supports programmable features like prefix/suffix settings and character manipulation.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. 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:** To prolong battery life, avoid fully discharging the battery frequently. Charge the scanner regularly, especially if it will be stored for an extended period.
- **Physical Protection:** The scanner is designed with anti-shock silicone (IP54) to withstand minor drops. However, avoid intentional drops or impacts to prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Scanner not scanning.	Low battery; Not paired (wireless); Cable disconnected (wired); Barcode damaged/unreadable.	Charge the scanner; Re-pair the scanner with the receiver; Check USB cable connection; Try scanning a different, known-good barcode.
No data transmitted to computer.	Not paired; Incorrect working mode (e.g., in Storage Mode); Application not active.	Ensure successful pairing (blue light); Switch to Instant Upload Mode if real-time data is desired; Ensure cursor is in the desired input field.
Scanner beeps continuously.	Error condition; Out of range (wireless).	Refer to the quick setup guide for specific error codes/beeps; Move closer to the receiver.
Poor scanning performance in low light.	Insufficient ambient light.	Ensure adequate lighting for the barcode being scanned.

8. SPECIFICATIONS

- **Model:** MJ-2030
- **Connectivity:** 2.4GHz Wireless, USB 2.0 Wired
- **Scan Type:** 1D Laser
- **Transmission Distance:** Up to 400m (open air), 100m (indoors)
- **Battery:** 2000mAh Li-Ion (rechargeable, included)
- **Storage Capacity:** Up to 100,000 barcodes (in Storage Mode)
- **Dimensions:** 15 x 4.96 x 3.66 inches (Package)
- **Item Weight:** 1.37 pounds
- **Compatible Devices:** Laptop, Desktop, Tablet, Smartphone (via USB OTG for wired connection)
- **Operating System Compatibility:** Windows, macOS (as a USB HID device)
- **Manufacturer:** symcode
- **Country of Origin:** USA

9. WARRANTY AND SUPPORT

Symcode products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please contact Symcode customer service through the retailer where the product was purchased or visit the official Symcode website.

Manufacturer: symcode

Amazon Store: Visit the Symcode Store on Amazon

Model Difference Declaration

To Whom It May Concern,

We, **Shenzhen Alacrity Barcode Technology Co., Ltd**
Product: Barcode Scanner
Trade Name: symcode alacrity
Model Number: MJ-6709 Series, MJ-1400 Series, MJ-1911 Series,
MJ-2020 Series, MJ-2030 Series, MJ-2060 Series, MJ-2806 Series,
MJ-6708 Series, MJ-6706 Series, MJ-9200 Series, MJ-1900 Series,
MJ-1902 Series, MJ-1930 Series, MJ-1932 Series, MJ-2877 Series, R30, R35,
R38, R40, R45, R50, R55, R60, R70, R80, R90, X5, X6, X7, X8, X9, Q10, R10
All model's the function, software and electric circuit are the same, only with a
product color and model named different. Test sample model: MJ-6709 Series.

Please contact me if you have any question.

Name: Long Tang

Date: Mar. 18, 2022

Title: Manager

Signature of applicant: *Long Tang*

[Model Difference Declaration - Shenzhen Alacrity Barcode Technology](#)
Declaration from Shenzhen Alacrity Barcode Technology Co., Ltd. regarding model differences for their barcode scanners, including models like MJ-6709, MJ-1400, and others, confirming consistent functionality across variations.
lang:en score:17 filesize: 204.33 K page_count: 1 document date: 2022-03-18

Shenzhen Alacrity Barcode Technology Co., Ltd

Letter of Authorization

Company: Shenzhen Alacrity Barcode Technology Co., Ltd

Address: 5F,Building B,Southern Pearl Technology Park,No.83,Yingtai Road,Dalang,
Longhua,Shenzhen,Guangdong,China

Product name: Barcode Scanner

Trade name: symcode alacrity

Model name: MJ-6709 Series, MJ-1400 Series, MJ-1911 Series, MJ-2020 Series,
MJ-2030 Series, MJ-2060 Series, MJ-2806 Series, MJ-6708 Series,
MJ-6706 Series, MJ-9200 Series, MJ-1900 Series, MJ-1902 Series,
MJ-1930 Series, MJ-1932 Series, MJ-2877 Series, R30, R35, R38,
R40, R45, R50, R55, R60, R70, R80, R90, X5, X6, X7, X8, X9, Q10,
R10

FCC Identifier: 2A4THMJ-6709

We authorize MiCOM LabsInc, 575 Boulder Court, Pleasanton, California94566,
USA, to act on our behalf on all matters concerning the above named equipment.

Any individual within MiCOM Labs is authorized to act on our behalf and take
action on the application.

We declare that MiCOM LabsInc, 575 Boulder Court, Pleasanton, California
94566, USA, is allowed to forward all information related to the approval project
to the Federal Communication Commission and to discuss any issues
concerning the approval application. Any and all acts carried out by MiCOM Labs
on our behalf shall have the same effect as acts of our own.

Long Tang

[Shenzhen Alacrity Barcode Technology Co., Ltd Letter of Authorization for MJ-6709 Series Barcode Scanners](#)
This document serves as a Letter of Authorization from Shenzhen Alacrity Barcode Technology Co., Ltd, authorizing MiCOM Labs Inc. to act on their behalf for FCC approval of their Barcode Scanner products, including the MJ-6709 Series and related models.
lang:en score:17 filesize: 7.9 K page_count: 2 document date: 2022-03-18