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JRHC S-7103L

JRHC S-7103L Wireless Barcode Scanner User Manual

Model: S-7103L

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your JRHC S-7103L Wireless Barcode Scanner. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its performance.



Figure 1: JRHC S-7103L Wireless Barcode Scanner with Charging Base

2. PRODUCT OVERVIEW

2.1 Key Features

- **2.2-inch HD Color Screen:** Displays real-time data including barcode content, type, length, wireless channel, signal strength, and battery level.
- **Multi-functional Operation:** Supports Wired/Wireless scanning, Data collection, and Inventory modes.
- **Plug and Play:** Simple installation via USB, requiring no additional drivers.
- **1D Barcode Compatibility:** Scans most 1D barcodes on paper and screens, including Codabar, Code 128, MSI, EAN-128, Code 39, EAN-8, EAN-13, UPC-A, ISBN.
- **Long-Distance 2.4GHz Wireless Transmission:** Up to 50 meters (164 ft) in obstructed environments and 100 meters (328 ft) in barrier-free environments.
- **Collect Function:** Designed for unique barcode tracking, with an option to allow or disallow repeated scans (toggle with F2).
- **High Capacity Battery:** 1400mAh Lithium Ion battery provides approximately 20 hours of continuous scanning or 150,000 scans.
- **Durable Design:** Constructed from tough plastic to withstand drops up to 1.5 meters (5 ft).

2.2 Components



Figure 2: Scanner Components (HD screen, keys, scan head, handle)

- Handheld Barcode Scanner
- Charging Cradle
- USB Data Cable
- User Manual
- HD Screen
- Cancel Key
- Power Key
- OK Key
- High-performance Scan Head
- Scan Job Key
- Ergonomic Handle

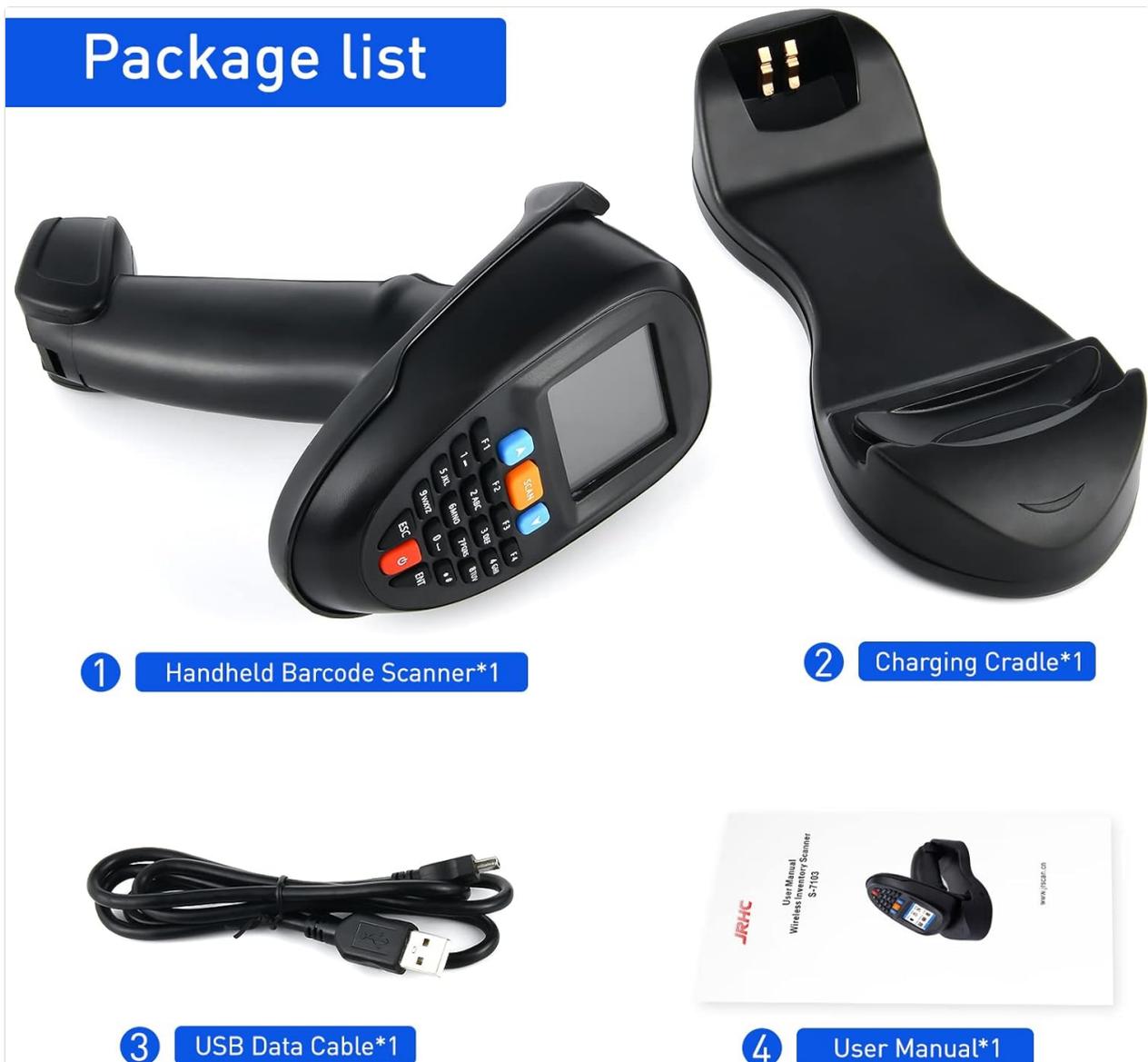


Figure 3: Package Contents

3. SETUP

3.1 Unpacking

Carefully unpack all items from the box. Verify that the following components are present:

- Handheld Barcode Scanner
- Charging Cradle
- USB Data Cable
- User Manual

3.2 Charging the Scanner

1. Connect the provided USB data cable to the charging cradle and then to a power source (e.g., USB wall adapter, computer USB port).
2. Place the barcode scanner into the charging cradle.
3. The scanner's screen will indicate the charging status. Ensure the scanner is fully charged before initial use for optimal battery life.

3.3 Connecting to a Device



Figure 4: Wireless Connection Setup

The JRHC S-7103L scanner supports both wireless and wired connections.

- **Wireless Mode:** Insert the USB receiver (integrated into the charging base) into an available USB port on your computer. The scanner will automatically connect. No additional drivers are required for Windows, Mac, or Linux operating systems.
- **Wired Mode:** Connect the scanner directly to your computer using the USB data cable. The scanner will function as a wired device.

4. OPERATING MODES

The JRHC S-7103L offers three primary operating modes: Wireless, Collect, and Inventory. These modes can be selected via the scanner's menu on the 2.2-inch HD screen.

3 Types Scan Modes

Wireless Mode
Synchronously instant upload barcode data to your device

Collect Mode
Check number,length,and count in screen.then by collect export to upload barcodes data to your device

Inventory Mode
Check number,length,quantity in screen. then by collect export to upload barcodes data and quantity to your device

Figure 5: Three Types of Scan Modes

4.1 Wireless Mode

In Wireless Mode, scanned barcode data is synchronously uploaded directly to your connected device in real-time. This mode is ideal for immediate data entry into applications such as spreadsheets or word processors. The scanner's screen will display the current wireless channel, signal strength, and battery level.

4.2 Collect Mode

Collect Mode allows you to store scanned barcodes internally within the scanner's memory. You can view the barcode content, type, and length on the screen. Data can be exported to your device at a later time. This mode includes a unique barcode feature: press the **F2** key to toggle between allowing repeated scans or only unique barcodes. This is particularly useful for tracking serial numbers or inventory items that should only be scanned once.

4.3 Inventory Mode

Inventory Mode is designed for warehouse management and stock-taking tasks. It stores scanned barcodes

along with quantity information. Users can check the number, length, and quantity of items on the screen before exporting the data to their device.



Figure 6: Application Scenarios (Warehouse, Pharmacy, Retail, Logistics)

5. MAINTENANCE

5.1 Battery Management

The scanner is equipped with a 1400mAh Lithium Ion battery. For optimal performance and longevity, recharge the scanner regularly using the provided charging cradle and USB cable. Avoid fully discharging the battery frequently.

5.2 Cleaning

Use a soft, dry, lint-free cloth to clean the scanner's screen and body. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the device.

5.3 Durability and Storage

The scanner is designed to withstand drops up to 1.5 meters (5 feet). However, to prolong its lifespan, avoid unnecessary impacts. Store the scanner in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.

6. TROUBLESHOOTING

If you encounter issues with your JRHC S-7103L barcode scanner, please refer to the following troubleshooting guide:

6.1 Scanner Not Recognized by Computer

- Ensure the USB cable is securely connected to both the charging cradle/scanner and the computer.
- For wireless mode, ensure the USB receiver (charging base) is properly inserted into an active USB port.
- Try connecting to a different USB port on your computer.

- Restart your computer.
- Verify that the scanner is powered on.

6.2 Unable to Scan Barcodes

- Ensure the scanner is in the correct operating mode (Wireless, Collect, or Inventory).
- Check if the barcode is a supported 1D type. The scanner supports Codabar, Code 128, MSI, EAN-128, Code 39, EAN-8, EAN-13, UPC-A, ISBN.
- Ensure the barcode is clean, undamaged, and well-lit.
- Adjust the scanning distance and angle.
- Check the battery level; recharge if low.



Figure 7: Scanner's 1D Barcode Reading Capabilities

6.3 Wireless Connection Issues

- Ensure the scanner is within the specified transmission range (up to 50m indoors, 100m barrier-free).
- Minimize physical obstacles between the scanner and the charging base/receiver.
- Check for potential interference from other 2.4GHz wireless devices.
- Ensure the charging base is properly connected to the computer.

Under obstacles environment
Max: 50m/164ft



Long Transmission Range



In barrier free environment
Max: 200m/656ft

Figure 8: Transmission Range

6.4 Screen Not Displaying Correctly

- Check the battery level and recharge if necessary.
- Restart the scanner by turning it off and then on again.

7. SPECIFICATIONS

Feature	Specification
Brand	JRHC
Model	S-7103L
Connectivity	2.4GHz Wireless, USB Cable
Scan Type	1D Barcodes (Codabar, Code 128, MSI, EAN-128, Code 39, EAN-8, EAN-13, UPC-A, ISBN)
Screen	2.2-inch HD Color LCD

Wireless Transmission Range	Up to 50m (164ft) indoors, 100m (328ft) barrier-free
Battery	1400mAh Lithium Ion (included)
Battery Life	Approx. 20 hours continuous scan or 150,000 scans
Drop Resistance	Up to 1.5m (5 ft)
Compatible Operating Systems	Windows, Mac, Linux
CPU	32-bit high-speed ARM series decoding chip
Parcel Dimensions	25.91 x 17.91 x 9.7 cm
Parcel Weight	590 g

8. WARRANTY AND SUPPORT

For technical support, warranty inquiries, or further assistance, please refer to the contact information provided with your purchase documentation or visit the official JRHC website. Keep your proof of purchase for warranty claims.