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## EVAWGIB B0F3DL7CZF

# EVAWGIB Handheld Wireless QR Barcode Scanner with RS232 Interface User Manual

Model: B0F3DL7CZF

## INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your EVAWGIB Handheld Wireless QR Barcode Scanner with RS232 Interface. Please read this manual carefully before using the device to ensure proper functionality and longevity.

## PACKAGE CONTENTS

- Handheld Wireless Barcode Scanner
- Charging/Receiver Cradle
- RS232 Serial Cable
- USB Power Cable
- User Manual (this document)

## SETUP

### Connecting the Scanner

The EVAWGIB scanner operates wirelessly with its cradle, which then connects to your host system via an RS232 serial interface for data transmission and a USB cable for power.

- 1. Connect Power:** Insert the small end of the USB power cable into the designated port on the charging cradle. Connect the other end of the USB cable to a 5V USB power adapter (not included) or a powered USB port on your computer.
- 2. Connect RS232 Cable:** Connect the RS232 serial cable to the RS232 port on the charging cradle. Connect the other end of the RS232 cable to an available serial port on your computer or host device.
- 3. Place Scanner in Cradle:** Place the handheld scanner into the charging cradle. Ensure it is seated correctly for charging and communication. The scanner will automatically pair with the cradle.
- 4. Driver Installation (if necessary):** For some operating systems, an RS232 serial port driver may be required. If your system does not automatically recognize the serial port, consult your operating system documentation or the manufacturer's website for driver installation instructions.



Image: The EVAWGIB handheld wireless barcode scanner resting in its charging cradle, with the RS232 serial connector visible. This illustrates the primary components of the system.

a. Wireless 1D/2D/Serial Port 232

b. Long-distance reception  
fast and stable



Image: This diagram shows the wireless scanner and its cradle connected via an RS232 cable. A simulated computer screen displays COM port settings, including Baudrate, Paritybit, Databits, and Stopbits, which are crucial for configuring the serial connection.

## RS232 Configuration

The RS232 interface requires proper configuration of communication parameters (baud rate, parity, data bits, stop bits) to match your host system. The default settings are typically 9600 baud, No Parity, 8 Data Bits, and 1 Stop Bit. These can often be adjusted via configuration barcodes or software utilities provided by the manufacturer.

## OPERATING

### Basic Scanning

To scan a barcode or 2D code:

1. Ensure the scanner is charged and powered on. The indicator light will confirm its status.
2. Point the scanner's optical window at the barcode or 2D code.
3. Press and hold the trigger button. A red aiming beam will appear.
4. Position the aiming beam to cover the entire barcode or 2D code.

5. Once successfully scanned, the scanner will emit an audible beep and/or the LED indicator will flash. The decoded data will be transmitted to your connected host system via the RS232 interface.



Image: This diagram illustrates the data transmission process. The handheld scanner wirelessly sends scanned data to its cradle. The cradle then transmits this data to the host computer via the RS232 cable, while receiving power through the USB cable.

## Decoding Capabilities

This scanner is capable of decoding a wide range of 1D and 2D barcodes:

- **1D Codes:** Codebar, Code 11, Code 39/Code 93, UPC/EAN, Code 128/EAN128, Interleaved 2 of 5, Matrix 2 of 5, MSI Code, Industrial 2 of 5, GS1 Databar (RSS)
- **2D Codes:** QR code, Data Matrix, PDF417

## MAINTENANCE

### Cleaning the Scanner

To ensure optimal performance, keep the scanner's optical window clean.

- Use a soft, lint-free cloth, slightly dampened with water or a mild, non-abrasive cleaning solution.
- Do not spray cleaning solution directly onto the scanner.
- Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the device.

## Battery Care

The handheld scanner contains a rechargeable battery. To prolong battery life:

- Charge the scanner fully before first use.
- Place the scanner in its cradle when not in use to ensure it remains charged.
- Avoid exposing the scanner to extreme temperatures.

## TROUBLESHOOTING

Issue	Possible Cause	Solution
Scanner not powering on	Low battery; Power cable not connected	Place scanner in cradle to charge; Ensure USB power cable is securely connected to cradle and power source.
No data transmitted to host	RS232 cable loose; Incorrect COM port settings; Scanner not paired with cradle	Check RS232 cable connection; Verify COM port settings (baud rate, parity, data bits, stop bits) match host; Ensure scanner is properly seated in cradle.
Cannot read barcodes	Barcode damaged/poor quality; Optical window dirty; Scanner out of range; Incorrect barcode type enabled	Try scanning a different barcode; Clean optical window; Ensure scanner is within wireless range of cradle; Consult advanced settings for enabling/disabling specific barcode types.
Scanner beeps but no data	Host application not ready; Incorrect data format	Ensure cursor is in an input field on the host; Check scanner configuration for data formatting options.

## SPECIFICATIONS

Feature	Specification
Operating Voltage	5V
Operating Current (Scanning)	135mA
Operating Current (Standby)	58mA
Operating Current (Sleep)	2mA
Operating Temperature	0°C to 60°C
Operating Humidity	5% to 95% (Non-condensing)

Feature	Specification
Communication Interface	RS232 (via cradle)
Decodable 1D Codes	Codebar, Code 11, Code 39/Code 93, UPC/EAN, Code 128/EAN128, Interleaved 2 of 5, Matrix 2 of 5, MSI Code, Industrial 2 of 5, GS1 Databar (RSS)
Decodable 2D Codes	QR code, Data Matrix, PDF417
Light Source	White LED
Scan Angles	Roll 360°, Skew $\pm 65^\circ$ , Pitch $\pm 60^\circ$
Field of View	28° (horizontal), 21.5° (vertical)
Connectivity Technology	RS232
Optical Source	650nm Visible red light diode

## WARRANTY AND SUPPORT

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This product comes with a standard manufacturer's warranty. For specific warranty terms, duration, and support inquiries, please refer to the documentation included with your purchase or contact EVAWGIB customer support directly. Keep your purchase receipt as proof of purchase for warranty claims.