

KEFAR KR-H8

KEFAR KR-H8 Wireless 1D/2D Barcode Scanner User Manual

Model: KR-H8

1. INTRODUCTION

The KEFAR KR-H8 is a versatile wireless barcode scanner designed for efficient data capture in various environments such as retail stores, supermarkets, and inventory management. This device supports both 1D and 2D barcodes, including QR codes, Data Matrix, and PDF417, offering flexible connectivity via 2.4G wireless technology with a convenient charging cradle. Its robust design and broad compatibility ensure reliable performance across different operating systems.

2. KEY FEATURES

- **Wireless Connectivity:** Utilizes 2.4G wireless technology for reliable data transmission with a dedicated charging cradle.
- **Broad Barcode Support:** Capable of reading both 1D and 2D barcodes, including QR Code, Data Matrix, PDF417, UPC/EAN, Code128, Code39, and more.
- **Multiple Scanning Modes:** Supports both manual trigger and continuous automatic scanning modes.
- **High Performance:** Features excellent decoding capabilities for high-speed and accurate scanning.
- **Plug-and-Play:** Easy setup without the need for additional drivers.
- **Wide Compatibility:** Compatible with various operating systems including Windows XP/7/8/10, Mac OS, Linux, Android, and iOS.
- **Durable Design:** Constructed with military-grade ABS material for earthquake resistance and fall protection.
- **Ergonomic Design:** Comfortable handheld design for prolonged use.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:



Image: Contents of the KEFAR KR-H8 barcode scanner package, showing the scanner, charging base, USB cable, instructions, and 2.4G wireless receiver.

1. Packing Box
2. Barcode Scanner (KR-H8)
3. Instructions Manual
4. USB Charging Cable
5. 2.4G Wireless Receiver
6. Charging Cradle

4. SETUP INSTRUCTIONS

4.1 Initial Charging

Before first use, ensure the scanner is fully charged. Place the scanner into the charging cradle. Connect the USB charging cable to the cradle and then to a power source (e.g., computer USB port or USB wall adapter). The LED indicator on the scanner will show charging status.



Image: The KEFAR KR-H8 wireless barcode scanner resting in its charging cradle, with the 2.4G wireless receiver connected to the cradle.

4.2 Connecting to a Host Device

1. Insert the 2.4G wireless receiver into an available USB port on your computer, laptop, tablet, or POS system.
2. The operating system will typically recognize and install the necessary drivers automatically (plug-and-play).
3. The scanner should automatically pair with the receiver. A successful connection is usually indicated by a specific sound or LED status on the scanner.

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compatible

Compatible with all kinds of operating systems

Compatible with all kinds of software, suitable for different terminal systems



Image: Diagram illustrating the wireless connection between the KEFAR KR-H8 scanner, its charging cradle with a 2.4G receiver, and a laptop, demonstrating plug-and-play compatibility with various operating systems.

5. OPERATING INSTRUCTIONS

5.1 Scanning Barcodes

To scan a barcode, aim the scanner's light beam at the barcode. Ensure the entire barcode is within the scanning area. Press the trigger button (for manual mode) or position the barcode in front of the scanner (for continuous mode). A successful scan is indicated by a beep and/or an LED flash.

05

Ergonomic Design Comfortable and Easy to Use

Ergonomics handle design, good hand feel, comfortable, long-term use of tireless.

Comfortable



Scanning specification

1. To achieve good scanning effect, keep the tilt Angle of the scanner and bar code, and do not decode at 90° Angle (as shown in the figure).
2. in order to ensure correct read bar code, laser scanner must cover the entire bar code (as shown) .

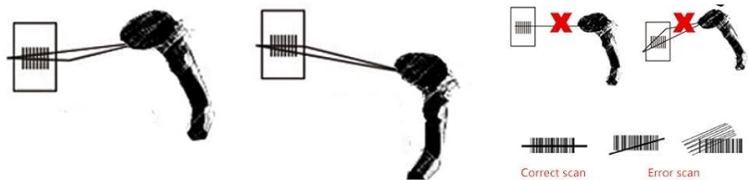


Image: The KEFAR KR-H8 barcode scanner highlighting its ergonomic design and illustrating correct and incorrect scanning angles for optimal performance.

5.2 Supported Barcode Types

The KR-H8 scanner supports a wide range of 1D and 2D barcode symbologies:

01
fast

Intelligent Fast Scanning

Using laser bar code recognition technology, the scanning speed is fast, accurate, strong light/dim/light, micro-defect can be identified.

H8 Wireless 2-D Scanner

Scanning type:



Support function:

- ✓ Bar Code of Goods
- ✓ Courier number
- ✓ Screen Scanning
- ✓ Mobile Payment
- ✓ QR code



Image: The KEFAR KR-H8 scanner demonstrating its intelligent fast scanning capability, showing examples of 1D (ISBN 9780733426094) and 2D (QR code <https://weixin.qq.com/g/AetXx1YeQLQJWZ8m>) barcodes it can read, along with supported functions like Bar Code of Goods, Courier number, Screen Scanning, Mobile Payment, and QR code.

- **1D Barcodes:** Codabar, Code11, Code39/Code93, UPC/EAN, Code128/EAN128, InterLeaved 2of5, Matrix 2of5, MSI, Standard 2of5, UPC-A, UPC-E, EAN-13, EAV-8, ISBN/ISSN, Industrial 25 Codes, Matrix 25 Codes, 11 Codes, MSL/PIESSEY, UK/PLESSEY, UC-C/EAN128 Codes.
- **2D Barcodes:** QR-CODE, DATA MATRIX (ECC200, ECC000, 050, 080, 100, 140), PDF417, Micro PDF417, Micro QR Code, Aztec, MaxiCode, Rectangular Data Matrix, Chinese Sensible Code.

02

Distinguish

Easy identification of various barcodes

Recognize more than 99% of the bar codes on the market without worrying about the insecurity of code sweeping.

Can identify : UPC-A UPC-E EAN-13, EAV-8, ISBN/ISSN , 39 Codes, Kudba, Cross 25 Codes, Industrial 25 Codes, Matrix 25 Codes , 128Codes , 93Codes , 11Codes , MSL/PIESSEY , UK/PLESSEY , UC-C/EAN128Codes .



Support for 2D codes: PDF417, QR Code (QR1/2, Micro)

Data Matrix (ECC200, ECC000, 050, 080, 100, 140), Chinese Sensible Code

Image: The KEFAR KR-H8 barcode scanner demonstrating its ability to easily identify various barcode types, including common 1D and 2D symbologies, with examples of different barcode formats.

5.3 Scanning Modes

The scanner can be configured for different scanning behaviors:

- **Manual Handheld Scan Mode:** Press the trigger button to initiate a scan.
- **Automatic Scanning Mode:** The scanner continuously scans for barcodes without needing to press the trigger. This mode is ideal for hands-free operation.

Refer to the included instructions manual for specific programming barcodes to switch between these modes.

03

Wide and thin barcodes can be scanned

Bar code is too thin / too wide / too big / too small, it can handle everything.

comprehensive



01
FUNCTION

HIGH QUALITY SCAN LENS

* High-end lens, fast scan sensitivity, accuracy scan, stable barcode scanning



02
FUNCTION

HUMANIZED DESIGN

* According to the human handle design. Make more comfortable to scan.



03
FUNCTION

HIGH-END BUTTON

* Equip high-performance button and screen resilience. Durable scan.

All common 1D&2D QR bar codes



04
FUNCTION

NO NEED DRIVER PLUG AND PLAY

* Do not need any driver, Plug and Play, make scan more easier

Image: The KEFAR KR-H8 barcode scanner showcasing its high-quality scan lens, humanized design, high-end button, and plug-and-play compatibility with Windows, capable of scanning various 1D and 2D barcodes, including those that are wide, thin, or damaged.

6. MAINTENANCE

- **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.
- **Battery Care:** Charge the scanner when the low battery indicator (e.g., two beeps) is activated to ensure optimal performance and battery longevity.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- **Scanner Not Decoding Certain Barcodes:** Some specific barcode types may require programming. If the scanner fails to decode certain barcodes, please refer to the programming guide in the full manual or contact customer support for command barcodes to program the device.

- **Scanner Beeps Twice and Stops Working:** This indicates a low battery. Immediately place the scanner in its charging cradle and connect it to a power source.
- **No Connection to Host Device:** Ensure the 2.4G wireless receiver is securely plugged into a functional USB port. Verify that the scanner is charged and powered on. Try plugging the receiver into a different USB port or restarting the host device.
- **Poor Scanning Performance:** Ensure the barcode is clean, undamaged, and well-lit. Adjust the distance and angle between the scanner and the barcode.

8. SPECIFICATIONS

Feature	Specification
Model Number	KR-H8
Decode Capability (1D)	Codabar, Code11, Code39/Code93, UPC/EAN, Code128/EAN128, InterLeaved 2of5, Matrix 2of5, MSI, Standard 2of5
Decode Capability (2D)	QR-CODE, DATA MATRIX, PDF417, Micro PDF417, Micro QR Code, Aztec, MaxiCode, Rectangular Data Matrix
Service Life of Button	Up to 8 million times
Decode Mode	Trigger or Continuous mode
Capacity	256K (stores approx. 2000pcs Code128)
Communication Distance	30 meters indoor, 50 meters outdoor
Scan Accuracy	≥ 4 mil
Environmental Brightness	265Lux
Warning Method	Buzzer and LED indicator
Operating Systems	Compatible with MAC OS, Windows XP/7/8/10, Linux, Android, iOS
Aseismic Capacity	2 meters free fall
Light Source	630nm LED light
Charging Time	3 - 4 hours
Operation Voltage	DC 3.3 - 4.2V +/-5 percent
Operation Temperature	0 - 60 Deg.C
Storage Temperature	-40 - 80 Deg.C
Humidity	5 - 90 percent (non-condensing)
Standard	IP54
Charging Cable Length	1.2 meters
UPC	688529121507

04

Anti fall

Earthquake Resistant and Fall-proof Military Shell

Military ABS is used as the same shell material, wear-resistant and fall-resistant, which can effectively resist external pressure.

Anti-Shock



Image: The KEFAR KR-H8 barcode scanner highlighting its 'Earthquake Resistant and Fall-proof Military Shell' made from military ABS, designed to withstand external pressure and impacts.

9. WARRANTY AND SUPPORT

For technical assistance, warranty claims, or further inquiries regarding your KEFAR KR-H8 Wireless Barcode Scanner, please contact your original retailer or the manufacturer's customer support. Please retain your proof of purchase for warranty validation.