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Honeywell 1902GSR

Honeywell Xenon 1902GSR Wireless Handheld Barcode Reader User Manual

Model: 1902GSR

1. INTRODUCTION

The Honeywell Xenon 1902GSR is a high-performance wireless handheld barcode scanner designed for efficient and reliable data capture. This device utilizes advanced area-imaging technology to read both 1D and 2D barcodes, including those that are damaged, smudged, or displayed on digital screens. With Bluetooth connectivity, it offers cordless operation, enhancing mobility and reducing workspace clutter. This manual provides essential information for the proper setup, operation, and maintenance of your barcode reader.

2. SAFETY INFORMATION

- Do not expose the device to extreme temperatures, moisture, or corrosive substances.
- Avoid direct eye exposure to the scanner's light source.
- Use only manufacturer-approved accessories and power adapters.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel.
- Dispose of batteries according to local regulations.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Honeywell Xenon 1902GSR Barcode Reader
- Communication/Charging Cradle (CCB01-010BT)
- USB Cable
- Quick Start Guide (this manual)



Figure 1: Honeywell Xenon 1902GSR Barcode Reader (Handheld Unit)



Figure 2: Honeywell Xenon 1902GSR Barcode Reader with its Communication/Charging Cradle

4. SETUP AND INSTALLATION

4.1 Charging the Battery

1. Connect the USB cable to the communication/charging cradle.
2. Plug the other end of the USB cable into a powered USB port on your computer or a USB wall adapter.
3. Place the barcode reader into the cradle. Ensure it is seated correctly.
4. The scanner's indicator light will show charging status. Allow several hours for a full charge before first use.

4.2 Connecting the Cradle to a Host System

The cradle connects to your host system (e.g., computer, POS terminal) via the supplied USB cable.

1. Ensure the host system is powered on.
2. Connect the USB cable from the cradle to an available USB port on your host system.
3. The system should automatically detect and install the necessary drivers. If not, refer to the Honeywell support website for driver downloads.

4.3 Pairing the Scanner with the Cradle

The scanner and cradle are typically pre-paired at the factory. If re-pairing is necessary:

1. Ensure the scanner is charged and powered on.
2. Scan the "Link" barcode found on the bottom of the communication/charging cradle.
3. The scanner will emit a series of beeps to indicate successful pairing.

5. OPERATING INSTRUCTIONS

5.1 Basic Scanning

1. Hold the scanner with the scan window facing the barcode.
2. Press and hold the trigger button. An aiming beam will appear.
3. Center the aiming beam over the barcode.
4. Once the barcode is successfully read, the scanner will emit a beep and the indicator light will flash green.
5. Release the trigger.

5.2 Reading 1D and 2D Barcodes

The Xenon 1902GSR is capable of reading a wide variety of 1D (e.g., UPC/EAN, Code 39) and 2D (e.g., QR Code, Data Matrix, PDF417) barcodes. For optimal performance, ensure the barcode is well-lit and the scanner is held at an appropriate distance.

5.3 Bluetooth Range

The scanner operates wirelessly up to 33 feet (10 meters) from its communication cradle. Performance may vary depending on environmental factors and obstacles.

6. MAINTENANCE

6.1 Cleaning the Device

- Use a soft, clean cloth dampened with water or a mild cleaning solution to wipe the exterior of the scanner and cradle.
- Do not use abrasive cleaners, solvents, or harsh chemicals.
- Keep the scan window clean and free of dust and smudges for optimal reading performance.

6.2 Battery Care

- For best battery life, avoid fully discharging the battery frequently.
- Store the device in a cool, dry place when not in use for extended periods.
- If the battery performance significantly degrades, it may need replacement. Contact Honeywell support for authorized battery replacement options.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner not powering on	Low or depleted battery	Place scanner in cradle to charge. Ensure cradle is powered.
Scanner not reading barcodes	Barcode damaged/poor quality; improper scanning technique; dirty scan window	Try scanning a different barcode. Adjust distance/angle. Clean scan window.
No data transmitted to host	Scanner not paired; USB cable disconnected; incorrect host interface settings	Re-pair scanner with cradle. Check USB cable connection. Verify host system settings.
Intermittent connection	Out of range; interference	Move scanner closer to cradle. Reduce sources of interference (e.g., other Bluetooth devices, Wi-Fi routers).

8. SPECIFICATIONS

Feature	Detail
Model	1902GSR
Connectivity	Bluetooth Class 2, v2.1 EDR; USB (via cradle)
Scan Pattern	Area Image (838 x 640 pixel array)
Decode Capability	1D, 2D, PDF417
Wireless Range	Up to 33 ft (10 m) line of sight
Battery	Lithium-Ion, 1800 mAh (minimum)
Dimensions (Scanner)	4 x 6 x 3 inches (approximate)
Weight (Scanner)	1 pound (approximate)
Operating Temperature	0°C to 50°C (32°F to 122°F)

9. WARRANTY AND SUPPORT

Honeywell products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official Honeywell website. For technical support, driver downloads, or service inquiries, please visit www.honeywell.com/us/en/support or contact your local Honeywell representative.

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