Tera HW0005

Tera HW0005 1D 2D QR Wireless Barcode Scanner User Manual

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Tera HW0005 1D 2D QR Wireless Barcode Scanner. This device is designed for efficient and accurate scanning of various 1D and 2D barcodes, featuring wireless connectivity via a USB charging cradle.

The Tera HW0005 Wireless Barcode Scanner with its charging cradle.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- HW0005 Barcode Scanner x1
- Charging Base x1
- USB Cable x1
- User Manual x1

3. PRODUCT OVERVIEW

The Tera HW0005 system includes a handheld barcode scanner and a multi-functional charging cradle. The cradle integrates a charger, a stand, and a 2.4 GHz wireless receiver, simplifying connectivity and operation.

Charging Port

3-in-1 Cradle Included

Charger/Stand/2.4Ghz Wireless Receiver

Wireless Connection with Cradle
as a USB Receiver

Auto Scan

The charging cradle serves as a charger, stand, and 2.4GHz wireless receiver. The scanner charges automatically when placed in the cradle, which also enables hands-free scanning.
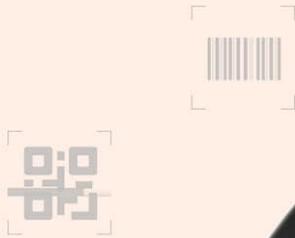
4. SETUP INSTRUCTIONS

1. **Connect the Cradle:** Plug the provided USB cable into the charging cradle and connect the other end to an available USB port on your computer. The cradle houses the 2.4 GHz wireless receiver, which is essential for the scanner's wireless function.

2. **Power On the Scanner:** Ensure the scanner is charged. Place the scanner into the cradle; it will begin charging automatically.

3. **Automatic Connection:** The scanner will automatically connect to the receiver in the cradle once both are powered on. No additional pairing steps are typically required for initial setup.

4. **Test Scan:** Open a text editor or any application that accepts keyboard input on your computer. Scan any barcode to confirm the scanner is working correctly and transmitting data.

5. OPERATING MODES

5.1 Scanning Modes

The Tera HW0005 offers three distinct scanning modes to suit various operational needs:

- **Key Trigger Mode:** Press the trigger button on the scanner to initiate a scan. This mode is suitable for manual, on-demand scanning.
- **Continuous Scanning Mode:** The scanner continuously emits a scan beam, automatically reading any barcode that passes within its field of view. This mode is ideal for high-volume scanning or when the scanner is placed in the cradle for hands-free operation.
- **Sensor Scanning Mode:** The scanner's sensor detects changes in ambient brightness. When a change is detected (e.g., an object or barcode is presented), scanning will automatically start.

The scanner supports three operational modes: Key Trigger for manual scanning, Continuous Scanning for automatic reading, and Sensor Scanning, which activates when an object is detected.

5.2 Upload Modes

The scanner supports two data upload methods:

- **Instant Upload Mode:** Barcodes are uploaded directly to your computer immediately after scanning.
- **Storage Upload Mode:** The scanner stores scanned barcodes internally (up to 10,000 barcodes, depending on character length). Data is uploaded to the computer when a connection is established and

the user initiates the upload.

Data can be uploaded instantly to a connected computer or stored internally (up to 10,000 barcodes) for later batch upload.

6. DECODING CAPABILITIES

The Tera HW0005 scanner features a 32-bit CPU for superior decoding capability, allowing it to recognize a wide range of 1D and 2D barcodes, including those from printed labels and digital screens.

Supported 1D Barcodes:

- UPC-A, UPC-E, EAN-8, EAN-13 (with complementary codes)
- Code128, Code39, Code 39Full ASCII, Codabar
- Industrial/Interleaved 2 of 5, Code93, MSI, Code11
- ISBN, ISSN, China Post, GS1 Databar, Code32

Supported 2D Barcodes:

- QR Code, Data Matrix, PDF417
- Aztec code, Maxicode

1D 2D QR Code Readable

Printed & Screen Code Readable

1D Barcodes

UPC, EAN, Code 128, EAN128, GS1-128, ISBT-128, Standard 2 of 5, Matrix 2 of 5, Code 39, Code 32, Code 93, Code11, Codabar, PLESSEY, MSI, GS1 Databar, ITF-14, GS1 Composite

2D Barcodes

QR code, Data Matrix, PDF417, Aztec, Maxicode, Micro QR, Micro PDF417

The Tera HW0005 scanner is capable of reading both 1D and 2D QR codes from printed labels and digital screens, supporting a wide range of barcode types.

Powerful Decoding Capability
Fast & Accurate Scanning

☑ Damaged ☑ Blurred ☑ Scratched ☑ Dislocation ☑ Long Barcode

Note: Various defaced and long barcodes read with ease

This scanner offers fast and accurate decoding, even for damaged, blurred, scratched, dislocated, or long barcodes, ensuring reliable data capture.

7. CHARGING AND BATTERY

The scanner is equipped with an internal large battery designed for extended standby time. When the scanner is placed in the charging cradle, charging commences automatically, allowing for continuous operation while docked.

8. MAINTENANCE

The Tera HW0005 scanner is designed with IP54 shock-proof technology, protecting it from dust and moisture. It can withstand falls from heights up to 6.6 feet (2 meters).

- Keep the scanner and cradle clean by wiping with a soft, dry cloth.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Do not attempt to disassemble the scanner or cradle, as this will void the warranty.

9. TROUBLESHOOTING

Problem	Possible Cause / Solution
Scanner not connecting wirelessly	Ensure the USB cable from the cradle is securely connected to your computer. The 2.4 GHz wireless receiver is integrated into the cradle, not the scanner itself. The cradle must be connected to the computer for wireless operation.
Scanner not reading 2D barcodes	Some functions, including specific barcode types, might be disabled by default. Refer to the user manual (physical copy) for programming barcodes to enable or disable specific symbologies. Ensure 2D (QR Code) scanning is enabled.
Slow response after inactivity	The scanner may enter a sleep mode after a period of inactivity to conserve battery. It typically takes about 3 seconds for the scanner to awaken, re-pair, and be ready for a new scan. Adjust sleep settings if a faster wake-up time is required (refer to the full manual for programming barcodes).
Incomplete QR code scans (for very long QR codes)	The scanner may have a character limit for single QR code scans. For extremely long QR codes, ensure the scanner is awake and fully connected before scanning. If issues persist, consult the full user manual for advanced settings or contact support.

10. SPECIFICATIONS

- **Product Dimensions:** 21.34 x 15.49 x 9.91 cm
- **Weight:** 460 g
- **Manufacturer:** Tera
- **Model Number:** HW0005
- **Compatible Devices:** Laptop, Desktop
- **Power Source:** Battery Powered
- **Connectivity Technology:** 2.4G Wireless, USB Wired
- **Real Angle of View:** 50 Degrees
- **Item Type Name:** Handheld printers and card readers

11. WARRANTY INFORMATION

The Tera HW0005 Barcode Scanner comes with a **1-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

12. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Tera customer support. Refer to the contact information provided in your product packaging or visit the official Tera website for support resources.