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Tera HW0004 Wireless 1D Laser Barcode Scanner User Manual

Model: HW0004

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Tera HW0004 Wireless 1D Laser Barcode Scanner. Please read this manual carefully before using the device to ensure proper functionality and to maximize its lifespan.

2. PRODUCT OVERVIEW

2.1 Key Features

- Plug & Play:** No drivers required. Compatible with Windows, Mac, and Linux. Works with common software like Word, Excel, and Novell.
- Fast and Accurate Scanning:** Super 1D decoding with scan speeds up to 300 scans/second. Error rate less than 1/5 million. Reading precision up to 3 mil.
- 1D Barcode Support:** Supports UPC&EAN, UPC-A, UPC-E, Code 39, CODE32, Code 93, CODE11, Code 128, UCC-EAN128, EAN-8, EAN-13, UPC-A, ISSN, ISBN, CODABAR, MSI, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, etc. *Note: Does not support 2D/QR codes.*
- Includes Stand and Auto Mode:** A stand is included to free your hands, especially useful for automatic scanning mode to improve work efficiency.
- Multiple Modes:**
 - Scanning Modes: Single scan mode / Key trigger mode + Automatic mode / Continuous scan mode.
 - Upload Modes: Instant upload mode and Memory mode.
- Multiple Settings:** Supports case adjustment, prefix or suffix addition, character masking, volume adjustment, barcode type identification, and more.

2.2 Package Contents

Please check the package for the following items:

- Tera HW0004 Wireless 1D Laser Barcode Scanner

- USB Receiver (2.4G)
- USB Charging/Data Cable
- Adjustable Stand
- User Manual (this document)

3. SETUP

3.1 Connecting the Scanner

1. **Charge the Scanner:** Before first use, connect the scanner to a USB power source using the provided USB cable. The indicator light will show charging status.
2. **Connect the USB Receiver:** Insert the 2.4G USB receiver into an available USB port on your computer (Windows, Mac, or Linux). The system will automatically detect and install the necessary drivers.
3. **Power On the Scanner:** Press the power button on the scanner. It should automatically pair with the USB receiver. A successful connection is usually indicated by a specific sound or light pattern on the scanner.
4. **Test Scanning:** Open a text editor (e.g., Notepad, Word) or any application where you want to input barcode data. Scan a test barcode. The data should appear in your application.

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Image 1: Tera HW0004 Barcode Scanner connected via USB receiver, shown with its stand. This illustrates the primary components for setup.

4. OPERATING INSTRUCTIONS

4.1 Scanning Modes

- **Key Trigger Mode:** Press the trigger button to scan each barcode. This is the default and most common mode.
- **Automatic Mode (Continuous Scan):** When placed on the stand, the scanner can be configured to continuously scan barcodes presented in its field of view without pressing the trigger. Refer to the programming guide (usually a separate barcode sheet) to activate this mode.
- **Single Scan Mode:** Similar to key trigger, but might have specific settings for single-shot scanning.

4.2 Data Upload Modes

- **Instant Upload Mode:** Barcode data is transmitted to the connected computer immediately after scanning. This is suitable for real-time data entry.

- **Memory Mode:** Barcode data is stored in the scanner's internal memory. This is useful when working out of range of the receiver. Data can be uploaded later by scanning a specific "upload data" barcode from the programming guide.



Image 2: A close-up view of the Tera HW0004 Barcode Scanner actively scanning a barcode, demonstrating its operational use.

5. CONFIGURATION SETTINGS

The Tera HW0004 scanner offers various customizable settings. These settings are typically configured by scanning specific programming barcodes found in the accompanying programming guide (not included in this manual). Common settings include:

- **Case Adjustment:** Convert scanned data to all uppercase or all lowercase.
- **Prefix/Suffix:** Add custom characters before or after the scanned barcode data.
- **Character Masking:** Hide or remove specific characters from the scanned data.
- **Volume Adjustment:** Control the sound level of the scanner's feedback beeps.
- **Barcode Type Identification:** Enable or disable specific barcode symbologies.

- **Sleep Time:** Adjust the time before the scanner enters power-saving sleep mode.

For detailed instructions on configuring these settings, please refer to the dedicated programming barcode sheet provided with your scanner.



Image 3: The Tera HW0004 Barcode Scanner displayed with its full set of accessories, including the USB cable and receiver, highlighting the complete package.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. For the scanning window, use a lens cleaning cloth and a mild cleaning solution if necessary. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the scanner frequently. Charge it regularly.
- **Avoid Drops:** While designed for durability, avoid dropping the scanner to prevent damage to internal components.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner not powering on.	Low battery.	Charge the scanner using the provided USB cable.
No data transmitted after scanning.	<ul style="list-style-type: none">Not paired with receiver.Receiver not properly connected.Out of range.Incorrect scanning mode.	<ul style="list-style-type: none">Ensure scanner is powered on and paired.Verify USB receiver is securely plugged into the computer.Move scanner closer to the receiver.Check scanning mode (e.g., ensure not in memory mode if instant upload is desired).
Scanned data is incorrect or incomplete.	<ul style="list-style-type: none">Barcode damaged or poorly printed.Incorrect symbology enabled.Scanner lens dirty.	<ul style="list-style-type: none">Try scanning a different, clear barcode.Refer to the programming guide to enable/disable symbologies.Clean the scanner lens.
Scanner beeps but no data appears.	Application focus issue or memory mode active.	Ensure the target application (e.g., text editor) is active and has focus. If in memory mode, upload data.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Tera customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Tera
Model Number	HW0004 (USB Barcode Scanner-cr)
Connectivity Technology	Wireless 2.4G (via USB receiver), USB (wired for charging/data)
Scanner Type	1D Laser Barcode Scanner
Scan Speed	Up to 300 scans/second
Reading Precision	Up to 3 mil
Error Rate	Less than 1/5 million
Supported Barcodes	UPC&EAN, UPC-A, UPC-E, Code 39, CODE32, Code 93, CODE11, Code 128, UCC-EAN128, EAN-8, EAN-13, UPC-A, ISSN, ISBN, CODABAR, MSI, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, etc. (1D only)
Compatibility	Windows, Mac, Linux
Power Source	Cable electric (internal rechargeable battery)

9. WARRANTY AND SUPPORT

Tera provides 24/7 pre-sale and after-sale service for its products. If you encounter any problems with your Tera scanner, please do not hesitate to contact the seller or Tera customer support for assistance. Please retain your proof of purchase for warranty claims.

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