

Tera HW0004

Tera Barcode Scanner User Manual

Model: HW0004

Brand: Tera

1. PRODUCT OVERVIEW

The Tera HW0004 Barcode Scanner is a versatile 1D laser scanner designed for efficient data capture in various environments such as supermarkets, retail stores, and logistics. It offers flexible connectivity options and multiple operating modes to suit different user needs.

- **Versatile 2-in-1 Transmission:** Supports both 2.4GHz wireless and USB 2.0 wired connections. Compatible with Windows and Mac OS, and integrates with common software like Word, Excel, and Novell.
- **Two Working Modes:** Features Instant Upload Mode for real-time data transfer and Storage Upload Mode for offline scanning and later upload.
- **Plug and Play:** Requires no driver or software installation for quick setup.
- **1D Barcode Support:** Capable of scanning various 1D printed barcodes including Code 39, UPC-A/UPC-E, EAN13, EAN8, Code 93, Code 128, Codabar, Industrial/Interleaved 2 of 5, MSI, Code11, ISBN/ISSN, and Matrix 2 of 5. *Note: Does not scan 2D codes (e.g., QR, PDF417) or barcodes from screens.*

2. PACKAGE CONTENTS

Upon opening the package, verify that all components are present:

- Tera Barcode Scanner (HW0004)
- 2.4GHz Wireless USB Dongle
- USB 2.0 Cable
- Adjustable Stand
- User Manual (this document)



Image: The Tera HW0004 barcode scanner, its wireless USB dongle, USB cable, and the included stand.

3. SETUP AND CONNECTION

The Tera HW0004 scanner is designed for easy plug-and-play operation, requiring no complex driver installations.

3.1. Wireless Connection (2.4GHz)

1. Insert the 2.4GHz wireless USB dongle into an available USB port on your computer or device.
2. Turn on the barcode scanner. It will automatically pair with the dongle.
3. The scanner is now ready for wireless operation.

A promotional image for a Tera barcode scanner. The background is split into teal and yellow sections. On the left, a laptop screen shows a barcode with the number 5588426418. A USB cable is plugged into the laptop's port, highlighted by a dashed orange circle. In the center, the scanner is mounted on a black stand. To the right, the scanner is shown without the stand. At the bottom left, a pink container of Swiss cheese is visible. Text overlays include 'Free the Hands in Continuous Scanning Mode with Stand', 'Plug & Play No Drivers Needed', and 'Two Scanning Modes' with a list of modes. At the bottom right, icons for PC, Laptops, Phone, and iPad are shown, with the Phone and iPad icons crossed out.

Free the Hands
in Continuous Scanning Mode with Stand

Plug & Play
No Drivers Needed

Two Scanning Modes

- Key Trigger Mode
- Continuous Scanning Mode

PC Laptops Phone iPad

Image: The barcode scanner connected to a laptop via the wireless dongle, illustrating the plug-and-play setup.

3.2. Wired Connection (USB 2.0)

1. Connect one end of the provided USB 2.0 cable to the scanner's USB port.
2. Connect the other end of the USB 2.0 cable to an available USB port on your computer or device.
3. The scanner will be recognized as a standard HID keyboard device and is ready for use.

The scanner is compatible with various operating systems, including Windows XP, Windows 7, Windows 8, Windows 10, Android, and Linux.

Multifunction

- Voice Setting
- Stand-by Setting
- Support Uppercase / Lowercase Setting
- Identify Barcode Type
- Add Prefix and Suffix
- Hide characters



Image: The scanner demonstrating compatibility with multiple operating systems.

4. OPERATING THE SCANNER

4.1. Scanning Modes

The scanner supports two primary scanning modes:

- **Key Trigger Mode:** Press the trigger button to activate the laser and scan a barcode. Release the button to stop scanning.
- **Continuous Scanning Mode:** The scanner continuously emits the laser, allowing for hands-free scanning when placed on the stand. This mode is ideal for high-volume scanning.

2 in 1 Connection



2.4Ghz Wireless



USB 2.0 Wired



Image: The scanner on its adjustable stand, highlighting its 360-degree rotation and dual connection capabilities.

4.2. Data Upload Modes

The scanner offers two methods for uploading scanned data:

- **Instant Upload Mode:** Barcodes are synchronously uploaded to your connected device immediately after scanning. This is the default mode for real-time data entry.
- **Storage Upload Mode:** Barcodes are stored in the scanner's built-in 16MB memory. This mode is useful for scanning outside the wireless signal range. Data can be uploaded to your device later when needed.



Image: A visual representation of the two data upload modes: Instant Upload and Storage Upload.

4.3. Supported Barcodes and Languages

The scanner supports a wide range of 1D printed barcodes and multiple languages for output:

- **Supported 1D Barcodes:** Code 39, UPC-A/UPC-E (Include Complement Code), EAN13, EAN8, Code 93, Code 128, Codabar, Industrial/Interleaved 2 of 5, MSI, Code11, ISBN/ISSN, Matrix 2 of 5.
- **Unsupported Codes:** 2D codes (e.g., QR, PDF417) and barcodes displayed on screens.
- **Supported Languages:** English, Spanish, German, Japanese, French, Italian.

Support Multi-Languages



English



Spanish



German



Japanese



French



Italian



Support 1D Printed Barcodes

Code 39, UPC-A/UPC-E (Include Complement Code), EAN13, EAN8, Code 93, Code 128, Codabar, Industrial/Interleaved 2 of 5, MSI, Code11, ISBN/ISSN, Matrix 2 of 5, etc.



Image: The scanner highlighting its multi-language support and the types of 1D barcodes it can read.

4.4. Multifunction Settings

The scanner offers several configurable settings to enhance its functionality:

- Voice Setting
- Stand-by Setting
- Support Uppercase / Lowercase Setting
- Identify Barcode Type
- Add Prefix and Suffix to scanned data
- Hide characters

Refer to the detailed programming guide (usually a separate document or a section within a comprehensive manual) for instructions on how to configure these settings by scanning specific setup barcodes.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your barcode scanner.

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the scanner's exterior. For the scanning window, use a lens cleaning cloth and a mild, non-abrasive cleaning solution if necessary. Avoid harsh chemicals or abrasive materials.

- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** As the scanner is battery-powered, ensure it is charged regularly. Avoid fully discharging the battery frequently to prolong its lifespan. If storing for an extended period, charge the battery to about 50% and store in a cool, dry place.
- **Handling:** Avoid dropping the scanner or subjecting it to strong impacts, which can damage internal components.

6. TROUBLESHOOTING

If you encounter issues with your Tera HW0004 barcode scanner, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Scanner not turning on.	Low battery or power issue.	Charge the scanner using the USB cable. Ensure the cable is properly connected to a power source.
No data output after scanning.	Incorrect connection mode, scanner not paired, or application issue.	Verify the USB dongle is securely plugged in for wireless mode, or the USB cable for wired mode. Ensure the scanner is paired (for wireless). Check if the target application (e.g., Word, Excel) is active and ready to receive input. Confirm the barcode type is supported (1D printed barcodes only).
Scanner beeps but no data.	Barcode not recognized or corrupted.	Ensure the barcode is clear and not damaged. Try scanning a different, known good barcode. Adjust scanning distance and angle.
Wireless connection unstable.	Interference or distance issues.	Move closer to the USB dongle. Avoid strong electromagnetic interference. Try a different USB port for the dongle.

If the problem persists, please contact Tera customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Model	HW0004
Brand	Tera
Connectivity Technology	2.4GHz Wireless, USB 2.0 Wired
Scanner Type	1D Laser Handheld Linear Bar Code Reader
Supported Barcodes	Code 39, UPC-A/UPC-E, EAN13, EAN8, Code 93, Code 128, Codabar, Industrial/Interleaved 2 of 5, MSI, Code11, ISBN/ISSN, Matrix 2 of 5
Unsupported Barcodes	2D codes (QR, PDF417), barcodes from screens
Compatible Devices	Desktop, Laptop

Feature	Detail
Compatible Operating Systems	Windows XP/7/8/10, Mac OS, Android, Linux
Power Source	Battery Powered
Item Weight	8 ounces (approx. 227 grams)
Package Dimensions	7.9 x 3.9 x 3.2 inches (approx. 20.1 x 9.9 x 8.1 cm)
Manufacturer	Tera
Date First Available	September 4, 2023

8. WARRANTY AND SUPPORT

Specific warranty information for the Tera HW0004 Barcode Scanner is typically provided with the product packaging or available on the manufacturer's official website. Please refer to these resources for detailed warranty terms and conditions.

For technical support, troubleshooting beyond this manual, or inquiries regarding product functionality, please visit the official Tera website or contact their customer service department. Contact information can usually be found on the product packaging or the manufacturer's website.

You can visit the Tera Store on Amazon for more information: [Tera Store](#)

9. APPLICATION SCENARIOS

The Tera HW0004 barcode scanner is suitable for a variety of applications, including but not limited to:

- Logistics
- Warehouse Management
- Supermarkets and Convenient Stores
- Libraries
- Retail Industry
- Postal Industry
- Banks
- Medical Institutions



Logistics

Warehouse



Supermarket Convenient Store

Library



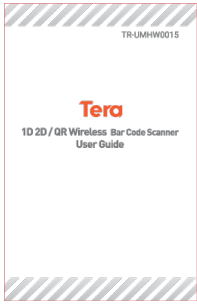
Image: Examples of environments where the barcode scanner can be effectively utilized.

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - HW0004

<div><div>TR-UM017</div><div><div>Tera</div><div>Model No.: D5100</div><div>Wireless 2D Barcode Scanner</div><div>User Manual</div><div>Ver.02.1.05</div></div></div>	<p>Tera D5100 Wireless 2D Barcode Scanner User Manual</p> <p>Comprehensive user manual for the Tera D5100 Wireless 2D Barcode Scanner, detailing setup, operation modes, configuration, and support resources.</p>
<div><div>User Manual of Product 1:</div><div>Tera Barcode Scanner Wireless with Battery Level Indicator, Rechargeable 2D Laser Barcode Reader 2000mAh Battery, Charge Status LED Indicator, 5100</div><div>User Manual of Product 2:</div><div>Tera Barcode Scanner 220-230V 1000mAh 10-Hour Hold the Code Reader, Read Screen Digital Smartphone Barcode Plug and Play, 1000C</div></div>	<p>Tera 5200C Wireless Barcode Scanner User Manual</p> <p>User manual for the Tera 5200C Wireless Barcode Scanner, detailing setup, features, specifications, connectivity options (2.4Ghz, Bluetooth, USB), and support information for Tera barcode scanners.</p>
	<p>Tera D5100Y Wired 2D Barcode Scanner User Manual</p> <p>User manual for the Tera D5100Y Wired 2D Barcode Scanner, detailing setup, configuration options, and usage instructions for optimal performance in retail, warehouse, and POS environments.</p>
<div><div>TR-UM5100-E</div><div><div>Tera</div><div>Model: 5100E</div><div>Wireless/Wired 1D Laser Barcode Scanner</div><div>User Manual</div><div>Ver.05.1.01</div></div></div>	<p>Tera 5100E Wireless/Wired 1D Laser Barcode Scanner User Manual</p> <p>This user manual provides comprehensive instructions and specifications for the Tera 5100E Wireless/Wired 1D Laser Barcode Scanner, covering setup, configuration, and operation.</p>
<div><div>TR-UMHW0009</div><div><div>Tera</div><div>Model: HW0009</div><div>2D Area-imaging Barcode Scanner with Display and Charging Cradle</div><div>User Manual</div><div>Ver.01.1.01</div></div></div>	<p>Tera HW0009 2D Barcode Scanner User Manual</p> <p>Official user manual for the Tera HW0009 2D Area-imaging Barcode Scanner. This guide details setup, configuration, wireless (2.4G, Bluetooth) and USB connectivity, operation modes, and scanner settings for this handheld barcode reader with a digital display and charging cradle.</p>



[Tera 1D 2D / QR Wireless Bar Code Scanner User Guide - TR-UMHW0015](#)

Comprehensive user guide for the Tera TR-UMHW0015 1D, 2D, and QR wireless barcode scanner. Learn about setup, settings, operation, and troubleshooting for efficient data capture.