

Tera HW0010

Tera Pro Series Mini CMOS Ring Barcode Scanner User Manual

Model: HW0010 | Brand: Tera

INTRODUCTION

The Tera Pro Series Mini CMOS Ring Barcode Scanner (Model HW0010) is a versatile and portable device designed for efficient 1D, 2D, and QR code scanning. Its unique ring design allows for comfortable wear on the finger, enhancing mobility and ease of use in various work environments. This scanner supports multiple connection modes, including Bluetooth, 2.4G wireless, and USB 2.0 wired, offering flexible integration with a wide range of devices.

KEY FEATURES

- **Portable Ring Design:** Mini barcode scanner with a special ring design that rotates freely on the finger for enhanced convenience and ease of use.
- **High-Resolution Camera:** Equipped with a 1MP camera for fast and accurate scanning of high-density, blurry, damaged, or incomplete 1D, 2D, and QR barcodes, including those on screens or DPM codes.
- **3-in-1 Connection Modes:** Supports 2.4 GHz wireless, Bluetooth, and USB 2.0 cable connections for versatile compatibility.
- **Vibration Alarm:** Features a vibration function to indicate successful barcode detection, ideal for quiet work environments.
- **Two Upload Modes:** Instant upload mode and memory mode (16MB built-in memory, stores up to 50,000 barcodes).
- **Extended Battery Life:** 400 mAh battery provides longer standby and continuous working time compared to similar ring scanners.
- **Supported Barcodes:**
 - 1D: UPC, EAN, Code128, Code39, Code 39 Full ASCII, Coda bar, Industrial 2/5, Interleaved 2/5, Code 93, MSI, Code11, ISBN, ISSN, GS1, Databar, Code32, etc.
 - 2D: QR, Data Matrix, PDF417, Micro PDF417, MaxiCode, Aztec, etc.

PACKAGE CONTENTS

Please check the package contents upon receipt. The standard package for the Tera Pro Series Mini CMOS Ring Barcode Scanner (HW0010) typically includes:

- 1 x Tera HW0010 Ring Barcode Scanner

- 1 x 2.4G USB Dongle
- 1 x USB Charging Cable
- 1 x User Manual (this document)

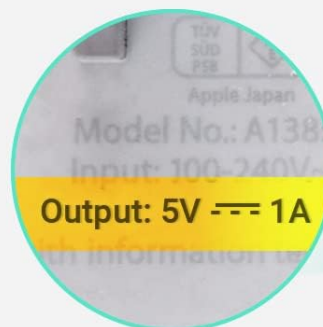
SETUP

Charging the Scanner

Before first use, fully charge the scanner. Connect the provided USB charging cable to the scanner and a compatible USB power adapter (not included). The recommended charging voltage/current is 5V/1A. The maximum charging voltage/current is 5V/1.2A. **Do not use USB PD (Power Delivery) power adapters and cables to charge the device.**

Recommended charging
voltage/current: **5V/1A**

Maximum charging
voltage/current: **5V/1.2A**



Please do not use the USB
PD power adapter and
cable to charge.



Image: Recommended charging specifications and a warning against using USB PD adapters.

Connection Modes

The Tera HW0010 scanner offers three primary connection methods:

3 in 1 connection mode

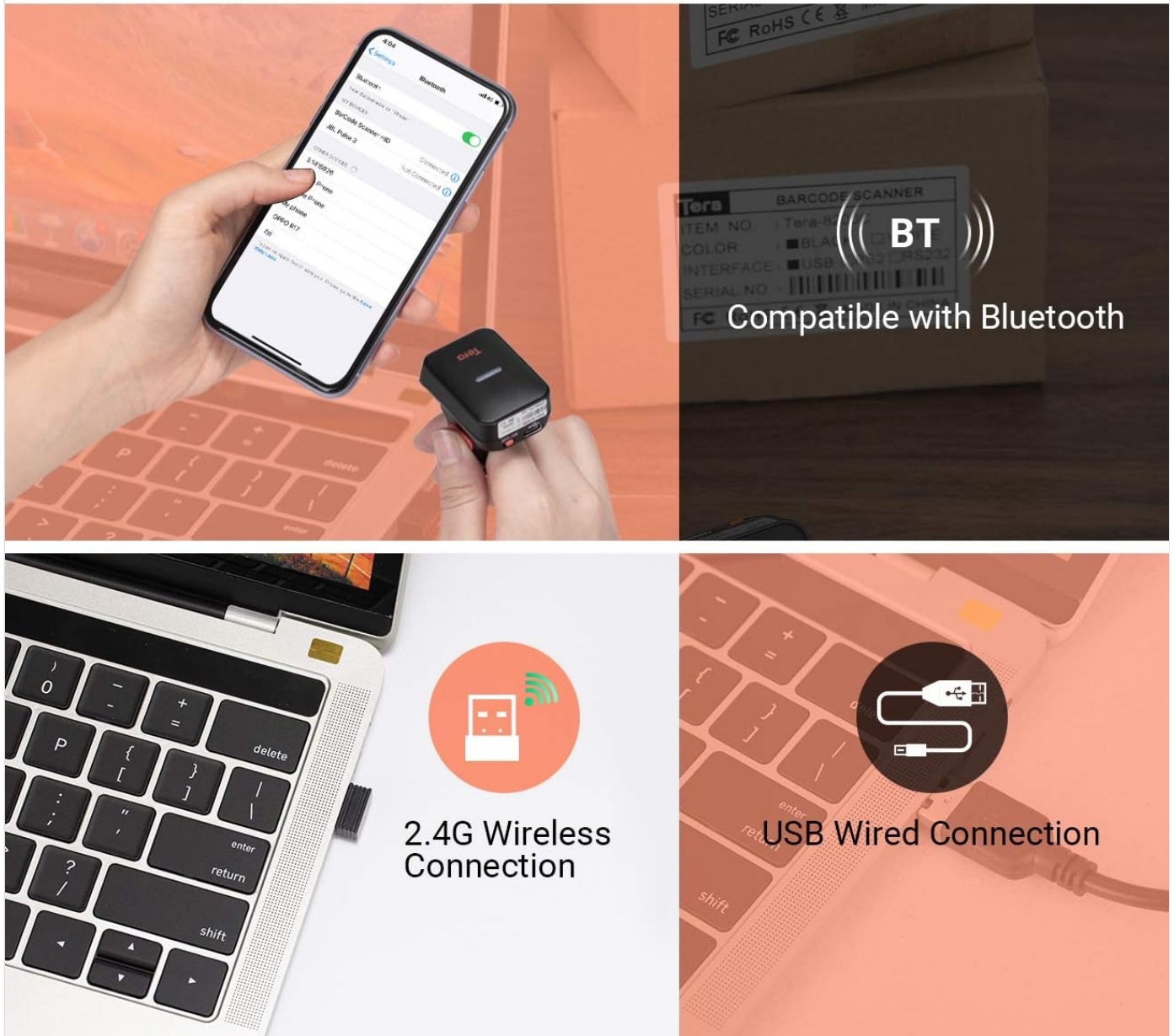


Image: Overview of the 3-in-1 connection modes.

1. Bluetooth Connection:

To connect via Bluetooth, ensure the scanner is powered on. Scan the Bluetooth pairing barcode (usually found in the full manual or a quick start guide). On your host device (smartphone, tablet, computer), search for Bluetooth devices and select "Tera Barcode Scanner" or similar. The scanner will pair automatically.

2. 2.4G Wireless Connection:

Insert the 2.4G USB dongle into an available USB port on your computer or laptop. Power on the scanner. The scanner should automatically connect to the dongle. If not, scan the "Pair 2.4G Dongle" barcode (refer to the full manual for specific barcodes).

3. USB Wired Connection:

Connect the scanner directly to your computer using the provided USB cable. The scanner will function as a wired scanner and also charge simultaneously. No special drivers are usually required for basic scanning functionality.

Compatible Devices and Systems

The scanner is compatible with a wide range of devices and operating systems, ensuring broad usability.

Compatible Devices



PC



laptop



ipad



iphone

Work with laptop, PC,
smartphone, iphone,
ipad.



Compatible Systems



iOS



Android



Linux



Windows



Mac OS

Image: Compatible devices (PC, laptop, iPad, iPhone) and systems (Windows, iOS, Linux, Android, Mac OS).

- **Devices:** Laptop, Desktop PC, Smartphone (iPhone, Android), Tablet (iPad).
- **Operating Systems:** Windows, iOS, Android, Linux, Mac OS.

OPERATING INSTRUCTIONS

Wearing the Scanner

The scanner is designed to be worn comfortably on your finger, allowing for hands-free operation. Adjust the strap to ensure a snug fit without being too tight.



Image: The Tera ring scanner worn on a finger, demonstrating its ergonomic design.

Scanning Barcodes

To scan a barcode, point the scanner's lens at the barcode and press the scan button. The scanner will emit a light beam to read the code. A successful scan is typically indicated by a vibration (if enabled) and/or an audible beep.

1D 2D QR Code Readable



Aztec Code



QR Code



Data Matrix



PDF417



Mirco PDF417



1Mega Pixel Camera

Scan Screen Digital Barcode
More Easily

Image: The scanner's capability to read 1D, 2D, and QR codes from various sources.

The scanner can read a wide variety of barcode types, including:

- **1D Barcodes:** UPC, EAN, Code128, Code39, Code 39 Full ASCII, Coda bar, Industrial 2/5, Interleaved 2/5, Code 93, MSI, Code11, ISBN, ISSN, GS1, Databar, Code32.
- **2D Barcodes:** QR Code, Data Matrix, PDF417, Micro PDF417, MaxiCode, Aztec.

Upload Modes

- **Instant Upload Mode:** In this mode, scanned barcodes are immediately transmitted to the connected device. This is the default mode and is suitable for real-time data entry.
- **Memory Mode:** If the scanner is out of range or not connected to a host device, it can store scanned barcodes in its internal 16MB memory. This memory can hold up to 50,000 barcodes. To upload stored data, reconnect the scanner to your device and scan the "Upload Data" barcode (refer to the full manual for specific barcodes).

Vibration Function

The scanner features a vibration function to provide tactile feedback upon a successful scan. This is particularly useful in noisy environments where audio cues might be missed, or in quiet environments where an audible beep is undesirable. You can typically enable or disable this function by scanning specific configuration barcodes (refer to the full manual).



**Vibration
Function**

34g/1.20Z



Mini & Lightweight



43mm/1.7in





**400
mAh**



10Hours
Scanning Time



360Hours
Standby Time



2Hours
Charging Time

Image: Features including vibration, compact size, and battery life.

MAINTENANCE

Cleaning

Wipe the scanner's exterior with a soft, dry, lint-free cloth. For stubborn dirt, slightly dampen the cloth with water. Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the device.

Storage

Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.

Battery Care

The scanner is equipped with a 400mAh rechargeable battery. To maximize battery life:

- Avoid fully discharging the battery frequently.
- Avoid leaving the scanner connected to power for prolonged periods after it's fully charged.
- Charge the scanner using only the provided USB cable and a compatible 5V/1A (max 5V/1.2A) power source.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Scanner not connecting via Bluetooth.	Scanner not in pairing mode; device Bluetooth off; interference.	Ensure scanner is in Bluetooth pairing mode (scan appropriate barcode). Turn Bluetooth off/on on host device. Move closer to host device.
Scanner not reading barcodes.	Barcode damaged/unreadable; insufficient light; scanner settings.	Ensure barcode is clear and well-lit. Try scanning a different, known-good barcode. Check scanner's configuration settings (refer to full manual).
Scanned data not appearing on device.	Not connected; incorrect upload mode; application issue.	Verify connection (Bluetooth, 2.4G, USB). Ensure scanner is in instant upload mode. Check if the receiving application is active and ready for input.
Short battery life.	Battery not fully charged; aging battery; high usage.	Ensure full charge before use. Reduce continuous scanning if possible. If battery life significantly degrades, contact support.

SPECIFICATIONS

Attribute	Detail
Brand	Tera
Model Number	HW0010
Color	Orange
Connectivity Technology	Bluetooth, 2.4G Wireless, USB
Scan Rate	300 images per second
Real View Angle	45 degrees
Compatible Devices	Laptop, Desktop PC, Smartphone, Tablet
Power Source	Rechargeable Battery (400mAh)
Internal Memory	16MB (stores up to 50,000 barcodes)
Supported 1D Barcodes	UPC, EAN, Code128, Code39, Code 39 Full ASCII, Coda bar, Industrial 2/5, Interleaved 2/5, Code 93, MSI, Code11, ISBN, ISSN, GS1, Databar, Code32, etc.

Attribute	Detail
Supported 2D Barcodes	QR, Data Matrix, PDF417, Micro PDF417, MaxiCode, Aztec, etc.
Product Weight	Approx. 34g / 1.2oz
Charging Time	Approx. 2 hours
Scanning Time (continuous)	Approx. 10 hours
Standby Time	Approx. 360 hours
Country of Origin	China
UPC	787803926484

WARRANTY AND SUPPORT

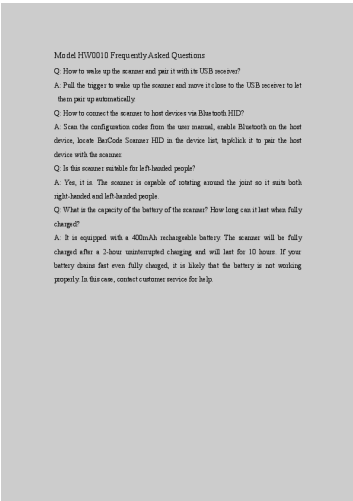
Tera products are designed and manufactured to high-quality standards. For warranty information and technical support, please refer to the official Tera website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.



Image: Tera Customer Support.

For further assistance, please visit the [Tera Brand Store on Amazon](#) or consult the comprehensive user manual available on the manufacturer's website.

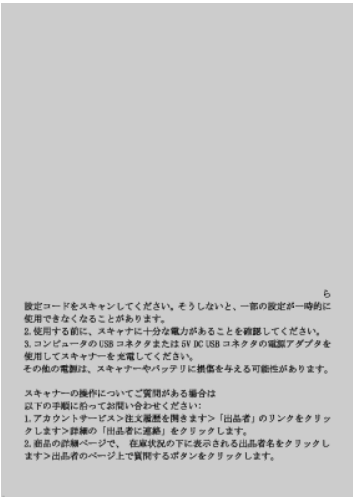




[Model HW0010 Barcode Scanner FAQ](#)

Frequently asked questions about the Model HW0010 barcode scanner, covering topics such as waking up and pairing the scanner, connecting via Bluetooth HID, suitability for left-handed users, and battery capacity and life.

lang:en score:21 filesize: 41.56 K page_count: 1 document date: 2021-08-24



[\[pdf\] User Manual](#)

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lang:en score:14 filesize: 9.07 M page_count: 46 document date: 2022-07-06



[Tera HW0010 Wireless 2D Mini Barcode Scanner User Manual](#)

This user manual provides comprehensive instructions for the Tera HW0010 Wireless 2D Mini Barcode Scanner, covering setup, operation, communication modes (2.4G, Bluetooth), and detailed configuration settings for efficient data capture.

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