

Tera D5100Y

Tera D5100Y USB Wired 1D 2D QR Barcode Scanner User Manual

Model: D5100Y | Brand: Tera

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Tera D5100Y USB Wired 1D 2D QR Barcode Scanner. Designed for efficiency and durability, this scanner offers fast and precise scanning for a wide range of barcode symbologies. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.



Image: The Tera D5100Y USB Wired 1D 2D QR Barcode Scanner, featuring its ergonomic design and USB cable.

2. PACKAGE CONTENTS

Upon opening the package, please verify that all items listed below are present and in good condition:

- Tera D5100Y Barcode Scanner (x1)
- USB Cable (integrated)

- User Manual (x1)

WHAT'S IN THE BOX



Image: A visual representation of the Tera D5100Y scanner, its USB cable, and the included user manual, as found in the product box.

3. KEY FEATURES

- **Ergonomic Design:** The scanner features a curved, extended, and thickened handle, specifically designed for comfortable grip during prolonged use. The smooth, flat trigger enhances user experience.

Curved to Fit Ergonomic Grip

Scan with Ease All Day



Image: A hand comfortably holding the Tera D5100Y scanner, illustrating its ergonomic shape and trigger placement for ease of use.

- **Enhanced Durability:** Equipped with an orange anti-shock silicone protective cover, the scanner is designed to withstand drops from up to 6.56 feet (2 meters). Its IP54 rating provides protection against dust and splashing water.

Shock Resistant

Withstand Accidental Drops and Daily Wear



Image: The Tera D5100Y scanner shown in a simulated drop scenario, emphasizing its robust, shock-resistant construction.

- **Plug and Play Connectivity:** The Tera D5100Y is a wired 2D barcode scanner that connects via a standard USB cable. No driver or software installation is required, allowing for immediate use upon connection.

Plug and Play

Ready to Use Instantly



Image: The Tera D5100Y scanner connected to a laptop via its USB cable, demonstrating its simple plug-and-play setup.

- **Broad Compatibility:** Compatible with Windows, Mac OS, Linux, iOS, and Android operating systems. It works seamlessly with common software applications such as Word, Excel, and Novell.
- **Multi-Language Support:** Supports approximately 25 languages, including English, Spanish, German, French, Italian, and Japanese. The factory default language is English. Ensure the scanner's language setting matches your computer's keyboard language for correct output.

Support Multi Languages



Image: The Tera D5100Y scanner with flags of various countries, indicating its support for multiple languages.

- **Versatile Scanning Capabilities:** Decodes both printed and digital 1D, 2D, and QR barcode symbologies. This includes UPC-A, EAN-13, Code 128, QR Code, Data Matrix, PDF417, Aztec code, and Maxicode.

Support Digital & Printed

1D 2D QR



Reflective



Blurry



Cracked



Distorted



Obscured

Image: The Tera D5100Y scanner actively scanning a QR code on a laptop screen, demonstrating its capability to read both digital and printed 1D/2D/QR codes.

4. SETUP

1. **Connect the Scanner:** Plug the USB cable of the Tera D5100Y scanner into an available USB port on your computer (Desktop or Laptop).
2. **System Recognition:** Your operating system (Windows, Mac OS, Linux, etc.) will automatically detect and install the necessary drivers. This process typically takes a few seconds.
3. **Ready for Use:** Once the system recognizes the device, the scanner is ready for immediate use. No additional software installation is required.

5. OPERATING INSTRUCTIONS

5.1 Basic Scanning

1. Ensure the scanner is connected to your computer.
2. Open an application where you want the scanned data to appear (e.g., Notepad, Word, Excel, a POS system).

3. Point the scanner's window at the barcode you wish to scan.
4. Press and hold the trigger button. A red aiming line will appear.
5. Align the aiming line across the entire barcode. Once successfully scanned, the scanner will emit a beep (if enabled) and the data will appear in your active application.

5.2 Sound Settings

The scanner's beep sound can be adjusted. Refer to the full user manual (PDF) for specific configuration barcodes to turn the sound on or off.



Image: A visual guide illustrating how to enable or disable the scanner's beep sound, enhancing user control over auditory feedback.

5.3 Language Settings

To ensure correct character output, the scanner's language setting must match your computer's keyboard language. The default language is English. Consult the full user manual (PDF) for instructions on changing the scanner's language by scanning specific configuration barcodes.



Image: A graphic depicting a globe surrounded by various national flags, symbolizing the scanner's extensive multi-language support.

5.4 Data Editing (Prefix/Suffix)

The scanner supports adding prefixes or suffixes to scanned data, and hiding certain characters. These advanced settings are configured by scanning specific barcodes found in the comprehensive user manual (PDF).



Image: Examples of barcodes with added prefixes, illustrating the scanner's capability to customize data output.

5.5 Upload Modes

The Tera D5100Y scanner supports two primary upload modes:

- **Instant Upload Mode:** Scanned data is immediately transmitted to the connected device.
- **Storage Mode:** Scanned data is stored internally in the scanner's memory and can be uploaded later in a batch.

Configuration barcodes for switching between these modes are available in the full user manual (PDF).

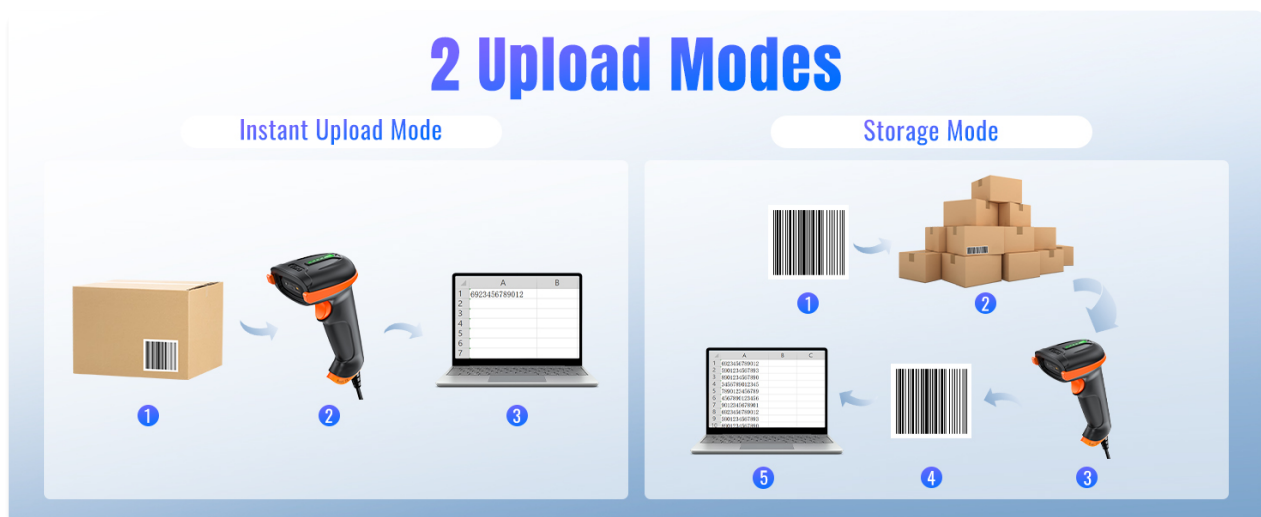


Image: A diagram illustrating the two data upload modes: Instant Upload, where data is sent immediately, and Storage Mode, where data is saved for later batch transfer.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. For the scanning window, use a lint-free cloth lightly dampened with a mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or twisting the USB cable excessively to prevent internal damage.

7. TROUBLESHOOTING

If you encounter issues with your Tera D5100Y scanner, please refer to the following common problems and solutions:

- **Scanner Not Responding:**
 - Ensure the USB cable is securely connected to both the scanner and the computer.

- Try plugging the scanner into a different USB port.
- Restart your computer.

• **Unable to Scan Barcodes:**

- Ensure the barcode is clean, undamaged, and clearly visible.
- Adjust the distance and angle between the scanner and the barcode.
- Verify that the scanner is configured for the correct barcode symbology (refer to the PDF manual for configuration barcodes).
- Check the scanner's decoding ability for challenging barcodes.

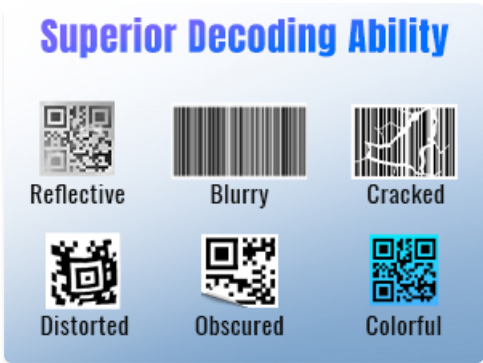


Image: A display of various barcode conditions, such as reflective, blurry, cracked, distorted, obscured, and colorful, demonstrating the scanner's advanced decoding capabilities.

• **Incorrect Characters or Output:**

- Ensure the scanner's language setting matches your computer's keyboard language.
- Verify that the cursor is in an active input field in your application.
- If experiencing random character issues (e.g., lower case becoming upper case, numbers becoming symbols), this might indicate a firmware issue or an incorrect HID keyboard mode setting. Refer to the full PDF manual for factory reset options or alternative USB-COM mode configurations.

• **No Beep Sound:**

- Check the sound settings as described in Section 5.2 or the PDF manual to ensure the beep is enabled.

For advanced troubleshooting or specific configuration settings, please refer to the comprehensive [Tera D5100Y User Manual \(PDF\)](#).

8. SPECIFICATIONS

Feature	Specification
Model Number	D5100Y
Product Dimensions	2.5"D x 3.9"W x 6.5"H (6.35 cm D x 9.9 cm W x 16.5 cm H)
Item Weight	9.1 ounces (257.98 grams)

Feature	Specification
Power Source	USB Wired
Connectivity Technology	USB Cable
Compatible Devices	Desktop, Laptop
Barcode Types (1D)	UPC-A, UPC-E, EAN-8, EAN-13, Code 128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Matrix 2 of 5, Standard 2 of 5, Coda bar, MSI Plessey, GS1, China Post, Databar(RSS), Korea, NEC2 of 5, etc.
Barcode Types (2D)	QR Code, Data Matrix, PDF417, Aztec code, Maxicode
Durability Rating	IP54 (Dustproof, Splashproof)
Drop Resistance	Up to 6.56 feet (2 meters)

9. WARRANTY AND SUPPORT

Tera products are manufactured to high-quality standards and are backed by a manufacturer's warranty. For specific warranty details, terms, and conditions, please refer to the documentation included with your product or visit the official Tera website.

For further assistance, technical support, or to download the complete user manual, please visit the official Tera support resources. The full user manual contains detailed configuration barcodes and advanced settings not covered in this condensed guide.

You can access the official PDF user manual here: [Tera D5100Y User Manual \(PDF\)](#)

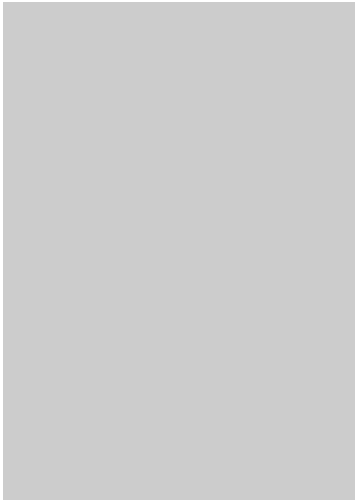
10. SAFETY INFORMATION

- Do not expose the scanner to extreme temperatures, humidity, or corrosive substances.
- Avoid direct eye exposure to the scanner's light source.
- Do not attempt to disassemble or modify the scanner. This will void the warranty and could cause damage or injury.
- Keep the device away from strong magnetic fields.

	<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>
<p>TR-UM5100-E</p> <p>Tera Model: 5100E Wireless/Wired 1D Laser Barcode Scanner</p> <p>User Manual Ver.05.1.01</p>	<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>
<p>TR-UM9100</p> <p>Tera Model No.: 9100 1D/2D Wired Desktop Barcode Scanner</p> <p>User Manual Ver.01.1.01</p>	<p>Tera 9100 1D/2D Wired Desktop Barcode Scanner User Manual</p> <p>This user manual provides comprehensive guidance for the Tera 9100 1D/2D wired desktop barcode scanner, covering setup, configuration, operation, and advanced features.</p>
<p>TR-UMD17</p> <p>Tera Model No.: D5100 Wireless 2D Barcode Scanner</p> <p>User Manual Ver.02.1.05</p>	<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>
<p>TR-UM8100-Y</p> <p>Tera Model: 8100Y 1D/2D Corded Area-Imaging Barcode Scanner</p> <p>User Manual Ver.01.1.01</p>	<p>Tera 8100Y Corded Barcode Scanner User Manual</p> <p>Official user manual for the Tera 8100Y 1D/2D corded area-imaging barcode scanner. Provides detailed instructions on setup, configuration, communication, data editing, and supported symbologies. Available in multiple languages.</p>

<div><div>EV0024-1</div><div><div><div>Tera</div><div>Model No.: 6900</div><div>1D Barcode Scanner</div><div>User Manual</div><div>Ver 06.1.01</div></div><div><div>The scanner's keyboard layout default is a US keyboard.</div></div></div></div>	<div><div>Tera 6900 1D Barcode Scanner User Manual - Configuration and Operation</div><div>Detailed user manual for the Tera 6900 1D Barcode Scanner. Covers setup, scanning modes, volume, tune, USB settings, symbology configuration, prefix/suffix insertion, string insertion, hiding data, terminators, ASCII chart, and troubleshooting.</div></div>
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Documents - Tera – D5100Y



[Tera D5100Y Wired 2D Barcode Scanner User Manual](#)

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.

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