Tera D6100_US_Pro

Tera Pro Barcode Scanner User Manual

Model: D6100_US_Pro

1. PRODUCT OVERVIEW

The Tera Pro D6100 Barcode Scanner is a versatile and efficient tool designed for various scanning needs. It features advanced power management, multiple connectivity options, and robust scanning capabilities for both 1D and 2D barcodes.

Figure 1: Tera Pro D6100 Barcode Scanner with its stand and connectivity cables.

2. WHAT'S IN THE BOX

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

- Barcode Scanner (x1)
- Wall-Mountable Stand (x1)
- USB Cable (x1)
- 2.4G USB Dongle (x1)
- User Manual (x1)

Figure 2: All components included in the Tera D6100 package.

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3. KEY FEATURES

3.1 Advanced Power Switch

The D6100 features a physical ON/OFF switch located at the base of the handle. This allows for precise control over the scanner's power state, conserving energy and extending battery life by preventing accidental activations. Simply turn the switch to 'ON' and press the scan button to begin, then switch to 'OFF' when not in use.

Figure 3: Detail of the physical power switch on the Tera D6100 scanner.

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Video 2: Demonstration of the easy ON/OFF power switch and wall-mountable design.

3.2 Battery Level Indicator & Replaceable Battery

The Tera D6100 is equipped with a high-capacity 2200mAh battery and a built-in LED indicator that provides real-time updates on

the remaining charge (25%, 50%, 75%, 100%). This allows for efficient usage planning and minimizes unexpected downtime. The battery is also user-replaceable, allowing for quick swaps in under a minute to ensure continuous operation.
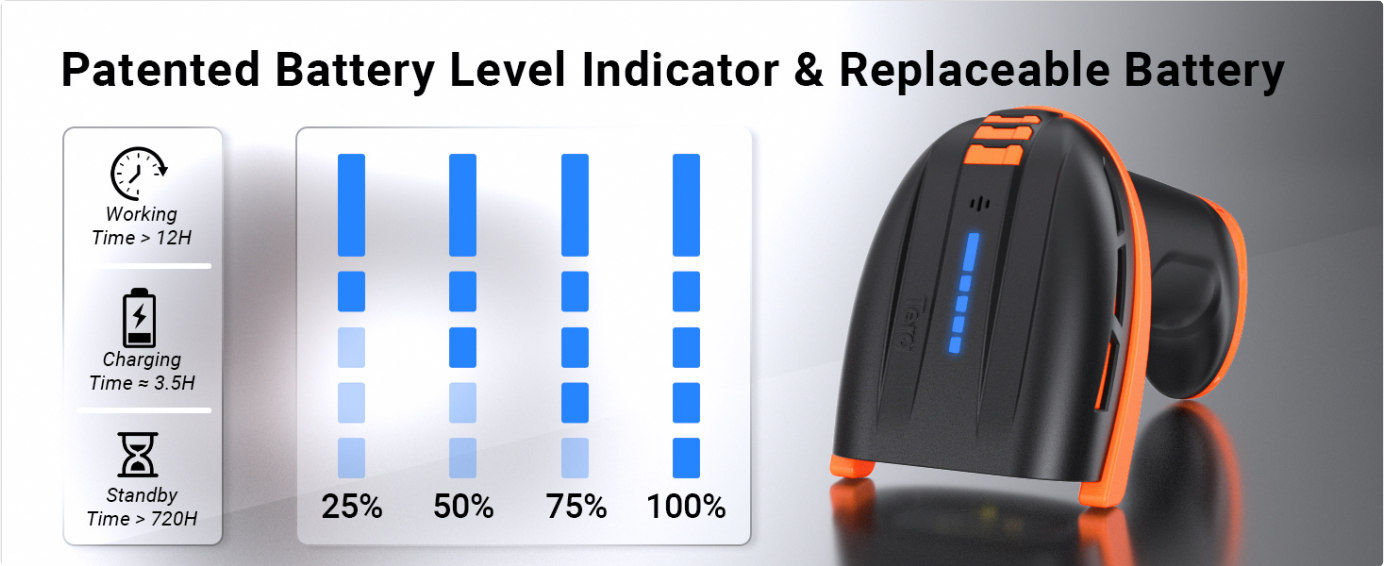

Figure 4: Visual representation of the battery level indicator and the replaceable battery mechanism.

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Video 3: Overview of the D6100's battery indicator and power switch functionality.

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Video 4: Instructions on how to quickly replace the battery in the Tera D6100 scanner.

3.3 Superior Global CMOS Imaging Scanning

The D6100 excels in fast and accurate reading of both ordinary and high-density barcodes, including challenging formats like PDF417. It can handle various scanning scenarios, such as underwater scanning, and reading barcodes on silver paper or reflective materials.

Figure 5: The scanner's capability to read diverse barcode types, including those on challenging surfaces.

3.4 3-in-1 Connectivity

The scanner offers flexible connectivity options: Bluetooth, 2.4G wireless (via USB dongle), and USB wired. It connects easily to smartphones, computers, and tablets, and is compatible with Windows 11/10/8/7/XP, Mac OS, iOS, Android, and Linux.

Figure 6: The three primary connection methods for the Tera D6100 scanner.

3.5 Wall-Mountable Stand

The included stand provides a stable base for hands-free scanning and can also be wall-mounted for versatile, multi-angle scanning. The base includes a storage compartment for small parts.

Figure 7: The Tera D6100 scanner in its wall-mounted configuration.

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Video 5: Step-by-step assembly guide for the Tera Barcode Scanner Stand.

4. SETUP AND INSTALLATION

4.1 Stand Assembly

Follow these steps to assemble the wall-mountable stand:

1. Open the base cover and remove the flexible rod and screws.
2. Insert the flexible rod into the base and secure it with the provided screw.
3. Attach the scanner holder to the top of the flexible rod and secure it with the remaining screw.
4. Close the base cover.

INSTALLATION STEPS

| **01** Open the box | **02** Push in the stand | **03** Screw | **04** Put in the rubber cover |

Figure 8: Steps 1-4 for assembling the scanner stand.

INSTALLATION STEPS

| **05** Screw | **06** Put in paper clips, pins and etc | **07** Swtich off and finish |

Figure 9: Steps 5-7 for assembling the scanner stand.

4.2 Connecting the Scanner

The D6100 offers three connection methods:

- **2.4G Wireless Mode:** Insert the USB dongle into your computer's USB port. The scanner will automatically pair.
- **Bluetooth Mode:** Turn on Bluetooth on your device (smartphone, tablet, computer) and search for "Tera D6100". Select to pair.
- **USB Wired Mode:** Connect the scanner directly to your computer using the provided USB cable. The scanner will function as a plug-and-play device.

5. OPERATION

5.1 Scanning Modes

The scanner supports various scanning modes:

- **Manual Trigger Mode:** Press the scan button to activate the laser and read a barcode.
- **Continuous Scan Mode:** The scanner continuously emits the laser, reading any barcode placed in its path. This mode is ideal for high-volume scanning.
- **Sensor-Activated Mode:** The scanner activates the laser only when it detects a barcode in its field of view.

Figure 10: The scanner's ability to read barcodes from both physical paper and digital screens.

5.2 Volume and Vibration Settings

You can adjust the scanner's feedback settings:

- **Volume:** Adjust the beep volume (Off, Low, Medium, High) by scanning specific configuration barcodes in the user manual.
- **Vibration:** Enable or disable haptic feedback (vibration) for scan confirmation.

Figure 11: Controls for adjusting the scanner's volume and vibration feedback.

5.3 Data Upload Modes

The scanner supports two data upload modes:

- **Instant Upload Mode:** Data is transmitted immediately after each successful scan.
- **Storage Mode:** Scanned data is stored in the scanner's internal memory and can be uploaded later as a batch.

Figure 12: The two available modes for uploading scanned data.

5.4 Prefix and Suffix Settings

You can configure the scanner to add custom prefixes or suffixes to scanned data. This is useful for data organization and integration with various software systems. Refer to the user manual for specific barcodes to enable and configure these settings.

Figure 13: How prefixes and suffixes can be added to scanned barcode data.

5.5 Multi-Language Support

The Tera D6100 supports multiple keyboard languages, ensuring compatibility with various international systems and user preferences. This feature is configured by scanning specific barcodes in the user manual.

Figure 14: The scanner supports various keyboard layouts for international use.

6. SUPPORTED BARCODES

The Tera D6100 is capable of decoding a wide range of 1D and 2D barcode symbologies:

6.1 1D Codes

- UPC/EAN (UPC-A, UPC-E, UPC-E1, EAN-13, EAN-8)
- Code 128
- GS1 DataBar (RSS)
- Code 39
- Code 93
- Code 11
- Codabar
- ITF-14 (Interleaved 2 of 5)
- Matrix 2 of 5
- Standard 2 of 5
- Industrial 2 of 5

6.2 2D Codes

- QR Code
- Data Matrix
- PDF417
- Aztec Code
- Micro PDF417

7. MAINTENANCE

To ensure optimal performance and longevity of your Tera D6100 barcode scanner, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive cleaner to wipe the scanner's exterior. Do not use harsh chemicals or abrasive materials.
- **Lens Care:** Keep the scanning window clean and free of dust or smudges. Use a lens cleaning cloth or compressed air to remove debris.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Avoid fully discharging the battery frequently. For long-term storage, ensure the battery is charged to about 50%.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Scanner not turning on	Low battery; Power switch off	Charge the battery; Ensure power switch is in 'ON' position.
Cannot pair via Bluetooth/2.4G	Out of range; Incorrect pairing mode; Dongle not inserted	Move closer to device; Scan Bluetooth/2.4G pairing barcode; Insert USB dongle.
Scanner not reading barcodes	Barcode damaged/unsupported; Scanning window dirty; Incorrect scanning mode	Try a different barcode; Clean scanning window; Adjust scanning mode (e.g., Manual Trigger).

Problem	Possible Cause	Solution
Data not transmitting to computer	Loose cable connection; Incorrect upload mode; Driver issue	Check USB cable connection; Ensure Instant Upload Mode is active or manually upload from Storage Mode; Reinstall drivers if necessary.

9. SPECIFICATIONS

Feature	Detail
Model Number	D6100_US_Pro
Product Dimensions	9 x 3.5 x 5.1 inches
Item Weight	1.32 pounds
Connectivity Technology	Bluetooth, 2.4G Wireless, USB Cable
Power Source	Battery Powered (2200mAh)
Compatible Devices	Laptop, Desktop, Tablet, Smartphone
Supported 1D Codes	UPC, Code 128, GS1, Codabar, ITF-14, etc.
Supported 2D Codes	QR, Data Matrix, PDF417, Aztec, etc.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts (such as batteries), please refer to the official Tera website or contact their customer support directly. A PDF user manual is also available for download from the product's Amazon page.

- Official User Manual (PDF): Download Here
- Tera Store on Amazon: Visit Store

Related Documents - D6100_US_Pro

TR-UM017 **Tera** **Model No.: D5100** Wireless 2D Barcode Scanner **User Manual** Ver.02.1.05	[Tera D5100 Wireless 2D Barcode Scanner User Manual](#) Comprehensive user manual for the Tera D5100 Wireless 2D Barcode Scanner, detailing setup, operation modes, configuration, and support resources.
TR-UM5100-E **Tera** **Model: 5100E** Wireless/Wired 1D Laser Barcode Scanner **User Manual** Ver.05.1.01	[Tera 5100E Wireless/Wired 1D Laser Barcode Scanner User Manual](#) This user manual provides comprehensive instructions and specifications for the Tera 5100E Wireless/Wired 1D Laser Barcode Scanner, covering setup, configuration, and operation.
	[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.
TR-UMHW0015 **Tera** 1D 2D / QR Wireless Bar Code Scanner User Guide	[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.
	[Tera D6100 2D Barcode Scanner User Manual - Setup and Configuration Guide](#) Comprehensive user manual for the Tera D6100 2D area-imaging barcode scanner. Learn about setup, operation, configuration, symbologies, and more.

[Tera 5200C Wireless Barcode Scanner User Manual](#)

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.