

## Tera D6100PRO

# Tera D6100PRO Wireless 2D Barcode Scanner User Manual

Model: D6100PRO

## 1. INTRODUCTION

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Thank you for choosing the Tera D6100PRO Wireless 2D Barcode Scanner. This device is designed for efficient and accurate scanning of 1D, 2D, and QR codes, offering versatile connectivity options and a long-lasting battery. This manual will guide you through the setup, operation, and maintenance of your scanner to ensure optimal performance.

## 2. SETUP

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### 2.1 Package Contents

- Tera D6100PRO Barcode Scanner
- USB Charging/Data Cable
- 2.4G Wireless Dongle
- Adjustable Stand (optional, may be included)
- User Manual

### 2.2 Charging the Scanner

Before first use, fully charge the scanner. Connect the USB cable to the scanner's charging port and to a power source (e.g., computer USB port or USB wall adapter). The 4400mAh battery typically charges in 4-6 hours. The LED indicator lights will show the charging status.

# Working Time x2

 Working Time > 24H

 Charging Time ≈ 4-6H

 Standby Time > 1440H

## Power

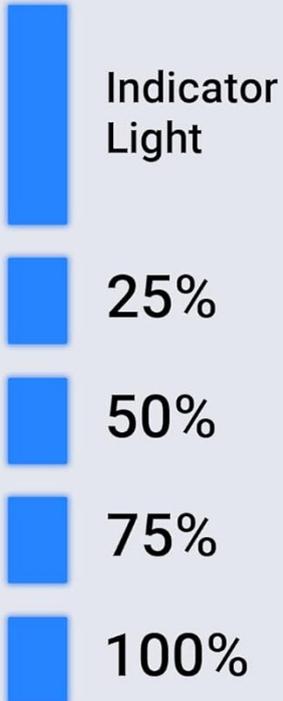


Image: The scanner features a 4400mAh battery, providing over 24 hours of continuous working time and more than 1440 hours of standby time. The power indicator lights show the battery level (25%, 50%, 75%, 100%).

## 2.3 Powering On/Off

The D6100PRO features a physical ON/OFF switch for reliable power control.

1. To power on: Slide the physical switch to the 'ON' position.
2. To power off: Slide the physical switch to the 'OFF' position to conserve battery and prevent accidental activation.

# Physical Power Button

\*Barcodes stay intact and manageable after restarting



Image: The physical power button allows for quick and reliable control of the scanner, minimizing accidental activations and extending battery life.

## 2.4 Connectivity Options

The scanner supports three connection modes: Bluetooth, 2.4G Wireless, and USB Wired.

# 3 IN 1 Connection



BT Connection  
Wireless Mode



USB Connection  
Wired Mode



2.4Ghz Connection  
Wireless Mode

Image: The Tera D6100PRO offers versatile 3-in-1 connectivity, supporting Bluetooth for wireless mode, USB for wired mode, and 2.4GHz for wireless mode via a dongle.

## 2.4.1 2.4G Wireless Mode

1. Plug the 2.4G wireless dongle into a USB port on your computer or host device.
2. Power on the scanner. It will automatically attempt to connect to the dongle.
3. A successful connection is indicated by a specific sound or LED status (refer to scanner's LED guide).
4. The 2.4G connection offers a range of up to 100 meters in open spaces and 35 meters with obstacles.

## 2.4.2 Bluetooth Mode

1. Power on the scanner.
2. Scan the Bluetooth pairing barcode (usually found in the manual or on a setup card).
3. On your host device (smartphone, tablet, computer), enable Bluetooth and search for available devices.
4. Select 'Tera D6100PRO' from the list to pair.
5. A successful connection is indicated by a specific sound or LED status.

## 2.4.3 USB Wired Mode

1. Connect the USB cable directly from the scanner to your computer's USB port.
2. The scanner will function as a wired device and also charge simultaneously.
3. No additional drivers are typically required for most operating systems.

### 3. OPERATING INSTRUCTIONS

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#### 3.1 Scanning Barcodes

The Tera D6100PRO utilizes a superior CMOS Global Shutter Scanning Engine for fast and accurate reading of various barcode types.

1. Ensure the scanner is powered on and connected to your host device.
2. Point the scanner's light beam at the barcode you wish to scan.
3. Press the trigger button. The scanner will emit a successful scan sound and/or flash an indicator light upon successful reading.
4. The scanner can read 1D codes (UPC, Code 128, GS1, Codabar, ITF-14) and 2D codes (QR, Data Matrix, Aztec), even on reflective, colorful, or damaged surfaces.

# Superior Global Shutter Scanning Engine

## Fast and Accurate



Image: The advanced scanning engine of the Tera D6100PRO ensures quick and precise reading of both standard and high-density barcodes, including those on challenging surfaces or in poor condition. Examples of scannable codes include [9780333990933](#), [9788024715148](#), [9788070214459](#), [GMR300686CZO](#), and [3763633920882](#).

### 3.2 Keyboard Language Support

The scanner supports multiple keyboard languages to ensure compatibility with various regional setups. Refer to the programming guide (usually a separate document or a series of barcodes) to configure the correct keyboard layout for your region (e.g., English, Italian, German, Japanese, Spanish, French).



Image: The scanner supports various keyboard layouts, including English, Italian, German, Japanese, Spanish, and French, ensuring broad compatibility.

### 3.3 Data Output Formatting

The D6100PRO can be configured to add date and time information as a prefix or suffix to scanned barcode data. This feature is useful for timestamping inventory or tracking items.

# Date & Time as Prefix or Suffix

2024.07.02.21`15 8997456859



**Date & Time Prefix**

8997456859 2024.03.21.11`15



**Date & Time Suffix**



Image: The scanner can be configured to append the current date and time either before (prefix) or after (suffix) the scanned barcode data, as shown with examples like '2024.07.02.21`158997456859' and '8997456859 2024.03.21.11`15'.

## 3.4 Using the Stand and Wall Mount

The scanner can be used handheld or placed on its adjustable stand for hands-free operation. The stand can also be mounted to a wall for convenient access in various work environments.



Image: A warehouse worker uses the Tera D6100PRO barcode scanner, which is conveniently mounted on a wall stand, to scan items while handling boxes.

## 4. MAINTENANCE

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### 4.1 Battery Management

The D6100PRO is equipped with a 4400mAh high-performance battery. An integrated battery indicator provides real-time information on the remaining charge, allowing you to plan usage and avoid unexpected downtime.

The battery is replaceable, extending the lifespan of your scanner. If battery performance degrades significantly, a replacement battery can be installed.

# Replaceable Battery

One charge for **60** days

Forget replacing the whole scanner for battery failure



Image: The Tera D6100PRO features a replaceable battery, allowing users to easily swap out the battery if needed, rather than replacing the entire scanner due to battery failure.

## 4.2 Cleaning the Scanner

To maintain optimal scanning performance, keep the scanner's optical window clean. Use a soft, lint-free cloth lightly dampened with water or a mild cleaning solution. Avoid abrasive materials or harsh chemicals that could scratch the lens.

## 5. TROUBLESHOOTING

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If you encounter issues with your Tera D6100PRO scanner, please refer to the following common solutions:

- **Scanner not powering on:** Ensure the physical ON/OFF switch is in the 'ON' position and the battery is charged.
- **Scanner not connecting:** Verify that the correct connection mode (Bluetooth, 2.4G, USB) is selected and properly configured. For wireless modes, ensure the scanner is within range and paired correctly.
- **Scanner not reading barcodes:** Check if the barcode is damaged or poorly printed. Ensure the scanner's optical window is clean. Try scanning different types of barcodes to isolate the issue.
- **Incorrect data output:** Confirm the correct keyboard language and data formatting settings are applied.
- **Short battery life:** Ensure the scanner is fully charged. If the issue persists, consider replacing the battery.

For further assistance, please contact customer support.

## 6. SPECIFICATIONS

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<b>Model</b>	D6100PRO
<b>Battery Capacity</b>	4400 mAh
<b>Working Time</b>	Up to 24 hours continuous use
<b>Standby Time</b>	Up to 60 days
<b>Charging Time</b>	Approx. 4-6 hours
<b>Sensor</b>	CMOS Global (640 x 480)
<b>Connectivity</b>	Bluetooth, 2.4G Wireless, USB Wired
<b>2.4G Wireless Range</b>	Up to 100m (open space), 35m (with obstacles)
<b>Compatibility</b>	Windows 11/10/8/7/XP, Mac OS, iOS, Android, Linux
<b>Supported 1D Codes</b>	UPC, Code 128, GS1, Codabar, ITF-14, and others
<b>Supported 2D Codes</b>	QR, Data Matrix, Aztec, and others
<b>Dimensions (Package)</b>	22.6 x 12.4 x 8.9 cm
<b>Weight (Item)</b>	640 grams

## 7. WARRANTY AND SUPPORT

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Your Tera D6100PRO Barcode Scanner comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact Tera customer service through the retailer where you purchased the product or visit the official Tera website for contact information.