Tera 5100

Tera 5100 Wireless 1D Laser Barcode Scanner

User Manual

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Tera 5100 Wireless 1D Laser Barcode Scanner. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.

Image 1.1: Tera 5100 Wireless 1D Laser Barcode Scanner

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Tera 5100 Barcode Scanner
- USB Cable
- 2.4Ghz Wireless Dongle

- User Manual (this document)

Image 2.1: Included Package Contents

3. PRODUCT OVERVIEW

3.1 Ergonomic Design

The Tera 5100 scanner features an extended and widened curved handle for a comfortable grip during prolonged use. The trigger is designed to be smooth and flat for ease of operation.

3.2 Battery Level Indicator

The scanner is equipped with a unique battery indicator light on top, displaying the remaining battery level. This feature helps users monitor power status and avoid unexpected power loss during operation.

- 1 Light On: Battery below 1/4, charging required.
- 2 Lights On: Half remaining.
- 3 Lights On: 3/4 remaining.
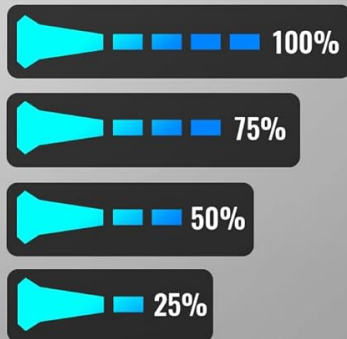- 4 Lights On: Fully charged.

Image 3.1: Battery Level Indicator

Your browser does not support the video tag. This video demonstrates the battery level indicator on the Tera 5100 barcode scanner, showing how the LED lights correspond to different charge levels.

Video 3.1: Battery Level Indicator Demonstration

3.3 Durability

The scanner is designed with a grey anti-shock silicone protective cover to prevent scratches and reduce impact from drops up to 6.56 feet (2 meters). It also features IP54 technology, providing protection against dust and splashes.

Image 3.2: Rugged Design for Drop Resistance

4. SETUP

4.1 Wireless Connection (2.4Ghz)

1. Insert the 2.4Ghz USB wireless dongle into an available USB port on your computer (PC or Laptop).
2. The scanner will automatically pair with the dongle. No additional drivers are required.
3. A successful connection is indicated by a beep and the blue indicator light on the scanner.

4.2 Wired Connection (USB 2.0)

1. Connect the scanner to your computer using the provided USB cable.
2. The scanner will function as a wired device. No additional drivers are required.

Note: The Model 5100 operates using a 2.4G wireless connection and does not support Bluetooth. It is not compatible with 2D QR codes or codes displayed on digital screens. Square POS systems are not

supported.

Image 4.1: Two Connectivity Options

Image 4.2: Plug and Play Compatibility

Your browser does not support the video tag. This video provides an overview of the Tera 5100 barcode scanner, showcasing its design and basic functionality.

Video 4.1: Tera 5100 Barcode Scanner Overview

5. OPERATING MODES

5.1 Instant Upload Mode

In this mode, scanned barcode data is immediately transmitted to the connected device (computer) as soon as a barcode is successfully read.

5.2 Storage Mode

This mode allows the scanner to store multiple barcode scans internally. Data can be uploaded to the

connected device at a later time, which is useful for batch scanning or when out of wireless range.
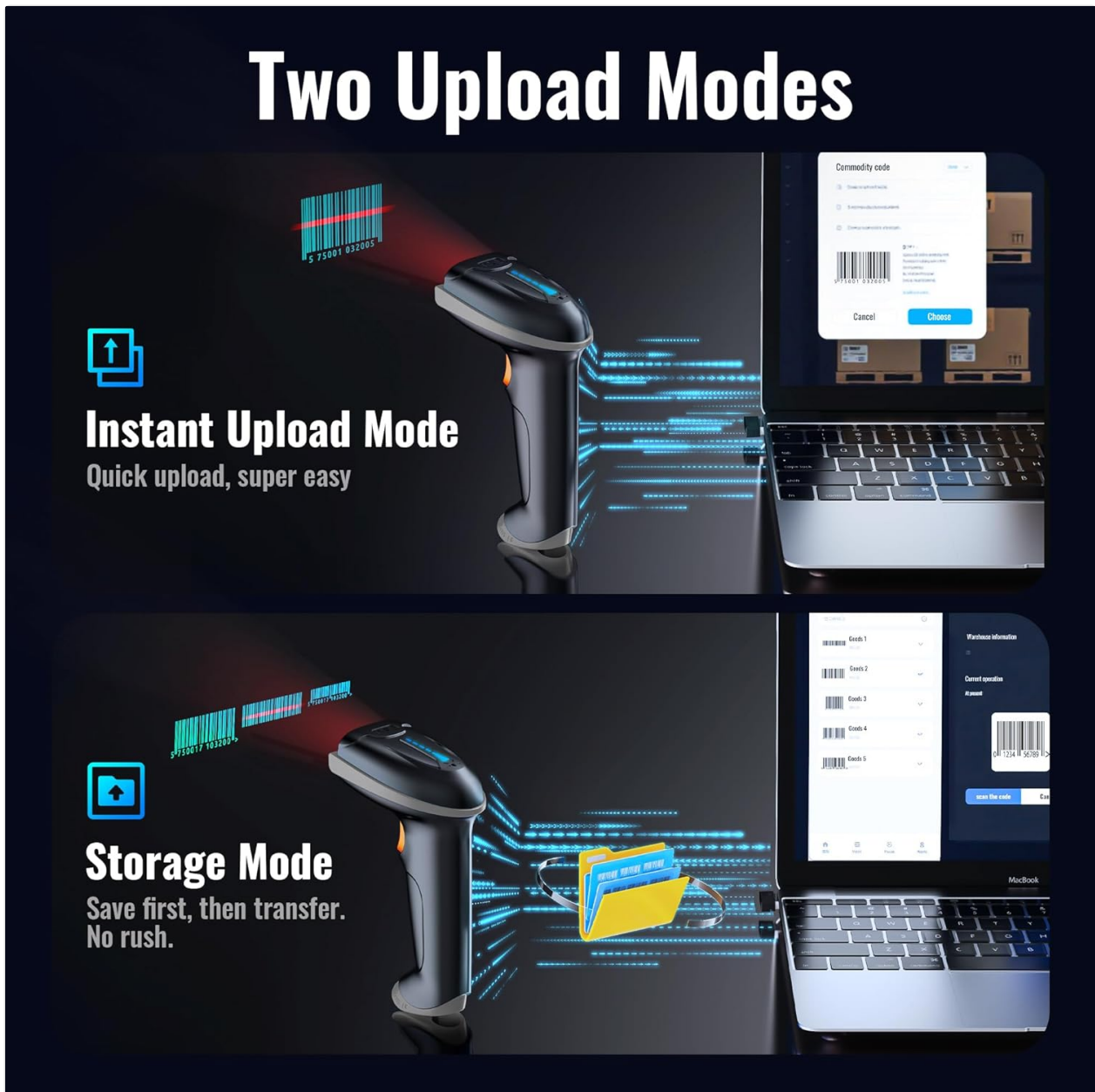

Image 5.1: Instant Upload and Storage Modes

5.3 Manual Trigger Mode

In this mode, the scanner will only activate its laser and attempt to read a barcode when the trigger button is pressed.

5.4 Continuous Scan Mode

When set to continuous scan mode, the scanner's laser remains active, continuously attempting to read barcodes without requiring a trigger press. This is suitable for hands-free operation or high-volume scanning.

6. SCANNING CAPABILITIES

The Tera 5100 is designed to scan almost all standard 1D barcodes, including:

- Febraban Bank Code
- Codabar
- Code 11
- Code93
- MSI
- Code 128
- EAN-128
- Code 39
- EAN-8
- EAN-13
- UPC-A
- ISBN (International Standard Book Number)
- Industrial 25
- Interleaved 25
- Standard 25
- Matrix

It can effectively read damaged, fuzzy, reflective, and smudged barcodes, ensuring reliable data capture.
Important: This scanner exclusively scans 1D barcodes and is not compatible with 2D QR codes or codes displayed on digital screens.

Image 6.1: Supported Barcode Types (1D Only)

7. ADVANCED SETTINGS

7.1 Prefix and Suffix

The scanner supports adding custom prefixes or suffixes to scanned data. This feature can be configured using specific programming barcodes found in the full user manual.

7.2 Keyboard Languages

The scanner supports multiple keyboard layouts to accommodate various international languages, including English, Italian, German, Japanese, Spanish, and French. This ensures compatibility with different regional systems.

Image 7.2: Multiple Keyboard Languages Supported

7.3 Volume Adjustment

The scanner's beep volume can be adjusted to suit your environment. Options typically include Low, Medium, High, or Mute (Turn off).

Image 7.3: Volume Adjustment Options

8. MAINTENANCE

8.1 Cleaning

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

8.2 Battery Care

The scanner is powered by a rechargeable Lithium Ion battery. For best battery life, avoid fully discharging the battery frequently. Charge the device when the battery indicator shows a low level. The typical charging time is approximately 3.5 hours.

9. TROUBLESHOOTING

- **Scanner not connecting:** Ensure the USB dongle is securely plugged into your computer or the USB cable is firmly connected. Try a different USB port.
- **No scan output:** Verify the scanner is powered on and the battery has sufficient charge. Check if the scanner is in the correct operating mode (e.g., Instant Upload).
- **Incorrect data output:** Confirm the correct keyboard language setting is selected for your computer's operating system.
- **Cannot scan 2D barcodes:** The Tera 5100 is a 1D-only scanner and cannot read 2D barcodes (like QR codes) or barcodes from digital screens.

Your browser does not support the video tag. This short preview video demonstrates the Tera 5100 barcode scanner in action, showing its scanning capability.

Video 9.1: Tera 5100 Barcode Scanner Preview

10. SPECIFICATIONS

Feature	Detail
Model	5100
Product Dimensions	2.5 x 3.9 x 6.6 inches
Item Weight	11.6 ounces
Connectivity Technology	2.4G Wireless, USB Cable
Power Source	Battery Powered
Battery Type	1 Lithium Ion battery required (2200mAh)
Working Time	>14 hours
Charging Time	~3.5 hours
Standby Time	>900 hours
Transmission Distance	Up to 328 ft (barrier-free environment)
Drop Resistance	Up to 6.56 feet (2 meters)
Environmental Protection	IP54 (Dust and splash resistant)
Compatible Devices	Desktop, Laptop (Windows, iOS, Android, Linux)
Barcode Types Supported	1D Barcodes (e.g., UPC-A, EAN-13, Code 128, Code 39, ISBN)

11. WARRANTY AND SUPPORT

Tera is a U.S.-based company established in 2004. For any support inquiries or warranty information, please refer to the contact details provided with your product packaging or visit the official Tera website. Keep your purchase receipt for warranty claims.

Related Documents - 5100

User Manual of Product 1:
Tera Barcode Scanner Wireless with Battery Level Indicator Rechargeable 1D Laser Barcode Reader 200mAh Battery, Design Patent: EU006469413, 5100

User Manual of Product 2:
Tera Barcode Scanner CCD USB Wired 1D Handheld Bar Code Reader, Read Screen Digital Smartphone Barcode Plug and Play, 1500C

[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.

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.
	[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.
EV0019 **Tera** **Model No.: HW0010** Wireless 2D Mini Barcode Scanner **User Manual** Ver.01.1.01	[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.
TR-UM-HW0009 **Tera** **Model: HW0009** 2D Area-imaging Barcode Scanner with Display and Charging Cradle **User Manual** Ver.01.1.01	[Tera HW0009 2D Barcode Scanner User Manual](#) 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.