

Tera 8200_US

Tera Pro 2025 Barcode Scanner User Manual

Model: 8200_US

INTRODUCTION

The Tera Pro 2025 Barcode Scanner (Model 8200_US) is an advanced, industrial-grade scanning device designed for efficient and reliable barcode reading in various environments. This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your scanner.

Key Features:

- **Unparalleled and Unique Design Globally:** Features patented NFC technology allowing quick switching between up to 10 user settings in 1 second using NFC cards. Five NFC cards are included.
- **Battery Level Indicator & 2200mAh Capacity:** Equipped with a high-capacity 2200mAh battery and a built-in indicator light for real-time charge updates, ensuring efficient usage and minimizing downtime.
- **Industrial Grade Long-Lasting:** Built for durability with a sturdy stand, top-tier waterproof (IP66) and dustproof protection, and drop resistance up to 9.84 feet (3 meters), suitable for rugged environments.
- **Superior Global CMOS Imaging Scanning:** Excels in fast and accurate reading of both ordinary and high-density 1D, 2D, and QR barcodes, including challenging formats like PDF417. Capable of scanning barcodes on silver paper, reflective materials, and even underwater.
- **3-in-1 Connectivity & Support 1D 2D Codes:** Offers versatile connectivity options including Bluetooth, 2.4G wireless (via USB dongle), and USB wired. Compatible with Windows 11/10/8/7/XP, Mac OS, iOS, Android, and Linux.

PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- Tera Pro 2025 Barcode Scanner (Model 8200)
- Scanner Stand

- USB Cable (Type-C to USB-A)
- 2.4G USB Dongle
- NFC Cards (x5)
- User Manual (this document)



Image: Contents of the Tera Pro 2025 Barcode Scanner package.

SETUP

1. Initial Charging

Before first use, fully charge the scanner using the provided USB cable. Connect the USB-C end to the scanner and the USB-A end to a power adapter (not included) or a computer USB port. The battery level indicator will show charging progress.

BATTERY LEVEL INDICATOR

33H
Working

3-4H
Charge

1700H
Standby

100%

75%

50%

25%



Image: Battery level indicator on the Tera 8200 scanner.

2. Connectivity Options

The Tera Pro 2025 scanner offers three connection modes:

- **Bluetooth Connection (Wireless Mode):** Ideal for connecting to smartphones, tablets, and Bluetooth-enabled computers.
- **2.4G Wireless Connection (Wireless Mode):** Use the included 2.4G USB dongle for wireless connection to computers. Offers a range of up to 328ft in open spaces and 114ft with obstacles.
- **USB Wired Connection:** Connect directly to a computer via the USB cable for stable, wired operation and charging.

3-IN-1 CONNECTION



BT Connection
Wireless Mode



USB Connection
Wired Mode



2.4Ghz Connection
Wireless Mode

Image: 3-in-1 connectivity options for the Tera 8200 scanner.

3. Setting Up NFC Cards for User Profiles

The scanner supports saving up to 10 user settings using NFC cards. This allows for quick switching of scanner configurations based on individual user preferences or specific tasks.

1. To program an NFC card, scan the configuration barcodes from the full user manual (PDF link available in the Support section) to set desired parameters such as volume, vibration, data format (prefix/suffix), and connection mode.
2. Once settings are configured, scan the 'Save Settings to NFC Card' barcode (found in the full manual), then tap an NFC card to the scanner's NFC reader area. The settings will be saved to that card.
3. To load settings, simply tap the programmed NFC card to the scanner. The scanner will automatically apply the stored configuration.

SWITCH TO YOUR PREFERRED SCANNER SETTINGS IN 1S

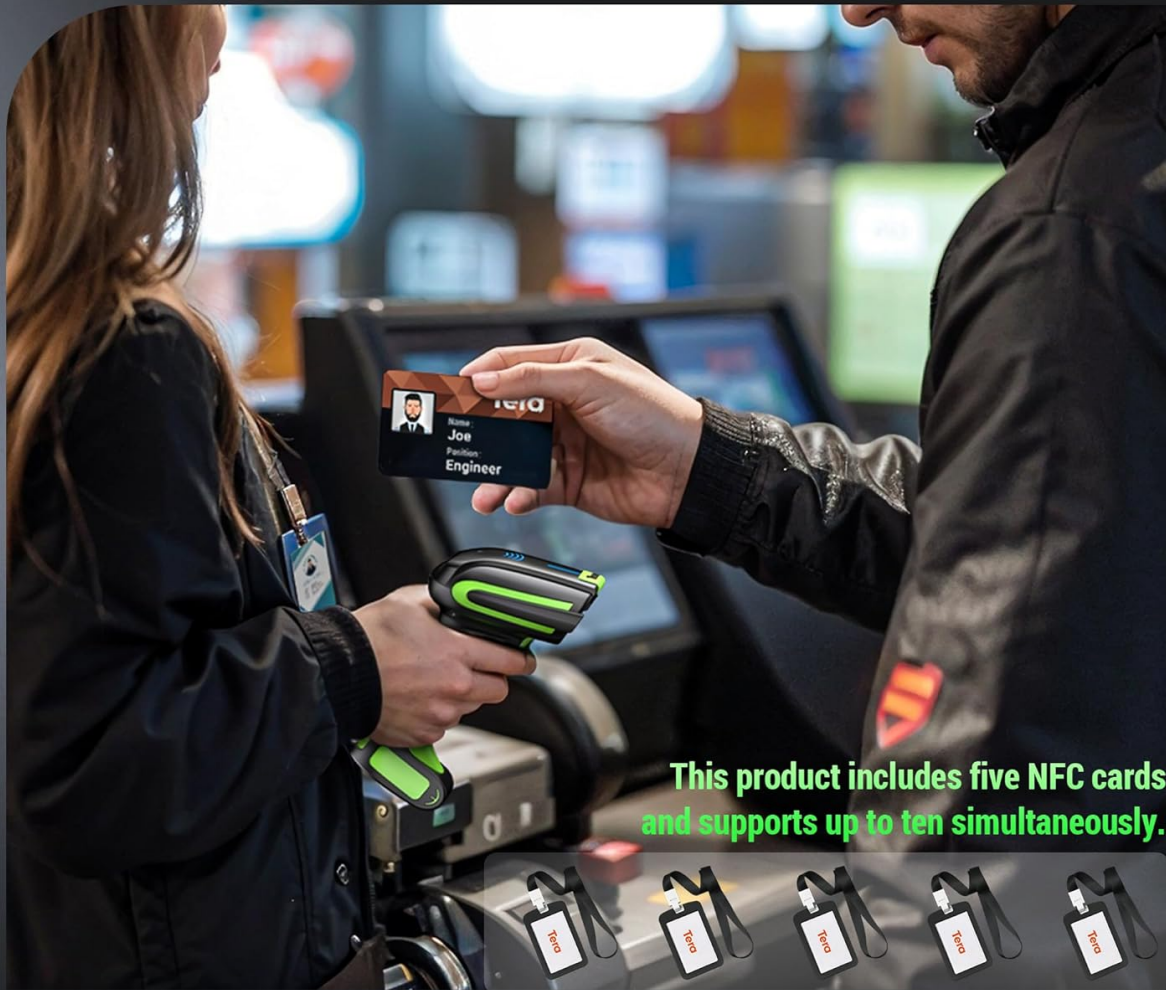


Image: Switching scanner settings in 1 second using NFC cards.

Your browser does not support the video tag.

Video: This video demonstrates how to set up the Tera 8200 barcode scanner, highlighting the ease and speed of configuration.

OPERATING THE SCANNER

1. Scanning Barcodes

The Tera Pro 2025 can scan both 1D and 2D barcodes, including QR codes, from paper and digital screens. Point the scanner's window at the barcode and press the trigger button. A successful scan will typically be indicated by a beep and/or vibration.

DATE & TIME AS PREFIX OR SUFFIX



ADD PREFIX

ABC123456789



DROP LEADING CHARACTERS

123456789



ADD TAB SUFFIX

123456789**Tab**



ADD SUFFIX

123456789**ABC**



DROP TRAILING CHARACTERS

12345**6789**



ADD ENTER SUFFIX

123456789**Enter**



Image: Scanning 1D, 2D, and QR codes from paper and screen.

2. Scanning Modes

The scanner supports two primary scanning modes:

- **Key Trigger Mode:** Press the trigger button for each scan. This mode is suitable for individual item scanning.
- **Continuous Scan Mode:** When placed on its stand, the scanner can be configured to continuously scan barcodes as they pass through its field of view, ideal for hands-free operation.

SCAN 1D 2D QR CODES ON PAPER AND SCREEN



Support Multi Languages



Image: Key Trigger Mode and Continuous Scan Mode.

3. Data Formatting (Prefix/Suffix)

The scanner can be configured to add prefixes or suffixes to scanned data, or to drop leading/trailing characters. This is useful for integrating scanned data into specific software systems or spreadsheets.

2 SCANNING MODES

Includes a Bonus Stand for Hands-free Operation



Image: Data formatting options including adding prefixes/suffixes.

4. Volume and Vibration Settings

Adjust the scanner's feedback settings (volume and vibration) by scanning specific configuration codes. Options typically include turning off, low, medium, and high volume, and enabling or disabling vibration.

MAINTENANCE

1. Cleaning

To maintain optimal performance, regularly clean the scanner's window and exterior. Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution. Avoid abrasive materials or harsh chemicals that could damage the device.

2. Durability and Protection

The Tera Pro 2025 is designed with industrial-grade durability:

- **IP66 Grade:** Provides excellent protection against dust ingress and powerful water jets.
- **9.84 Feet Drop Resistant:** Engineered to withstand drops from up to 9.84 feet (3 meters), ensuring resilience in demanding work environments.

IP66 GRADE



**DUST
PROOF**



**9.8FT DROP
RESISTANT**



**WATER
RESISTANT**

Image: Industrial-grade durability features of the Tera 8200 scanner.

3. Battery Care

To prolong battery life, avoid fully discharging the scanner frequently. Recharge the battery when the indicator shows low levels. If storing the scanner for an extended period, ensure it is charged to approximately 50% and store in a cool, dry place.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Tera Pro 2025 Barcode Scanner. For

more detailed troubleshooting steps, please refer to the comprehensive user manual PDF linked in the Support section.

Problem	Possible Cause	Solution
Scanner not connecting via Bluetooth/2.4G.	Out of range, low battery, incorrect pairing mode, interference.	Ensure scanner is charged and within range. Re-enter pairing mode. Check for other wireless devices causing interference.
Cannot scan certain barcodes.	Barcode damaged, poor lighting, unsupported barcode type, scanner settings.	Ensure barcode is clear and well-lit. Verify the barcode type is supported. Reset scanner to factory defaults or adjust settings as per manual.
No beep/vibration on successful scan.	Volume/vibration settings turned off.	Scan the appropriate configuration barcodes from the manual to enable volume and/or vibration feedback.
NFC card not changing settings.	Card not programmed, incorrect tapping area, scanner not in NFC mode.	Ensure the NFC card is correctly programmed. Tap the card directly to the NFC sensing area on the scanner. Refer to the manual for NFC programming steps.

SPECIFICATIONS

Feature	Detail
Model Number	8200_US
Brand	Tera
Connectivity Technology	2.4G Wireless, Bluetooth, USB Cable
Power Source	Battery Powered (2200mAh)
Compatible Devices	Computer, Smartphone, Tablet
Item Weight	2 pounds (approx. 0.91 kg)
Package Dimensions	9.17 x 5.43 x 3.9 inches (approx. 23.3 x 13.8 x 9.9 cm)
Drop Resistance	Up to 9.84 feet (3 meters)
Water/Dust Protection	IP66 Grade

Feature	Detail
Supported Barcodes	1D (UPC, Code 128, GS1, Codabar, ITF-14, etc.), 2D (QR, Data Matrix, PDF417, Aztec, etc.)

WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official Tera website or contact your point of purchase. Additional resources are available:

- **Full User Manual (PDF):** For comprehensive instructions and advanced configurations, download the complete user manual from the official Tera website or via this direct link: [Tera 8200 User Manual PDF](#)
- **Protection Plans:** Extended protection plans may be available for purchase. Please check with your retailer for options such as 3-Year or 4-Year Protection Plans.
- **Tera Brand Store:** Explore other Tera products and accessories by visiting the official Tera store:[Tera Store on Amazon](#)

© 2025 Tera. All rights reserved.

Related Documents - 8200_US

<div><div>TRU8M5100-E</div><div><div>Tera</div><div>Model: 5100E</div><div>Wireless/Wired 1D Laser Barcode Scanner</div></div><div><div>User Manual</div><div>Ver05.1.01</div></div></div>	<div><div>Tera 5100E Wireless/Wired 1D Laser Barcode Scanner User Manual</div><div>This user manual provides comprehensive instructions and specifications for the Tera 5100E Wireless/Wired 1D Laser Barcode Scanner, covering setup, configuration, and operation.</div></div>
<div><div>TRU9M9100</div><div><div>Tera</div><div>Model No.: 9100</div><div>1D/2D Wired Desktop Barcode Scanner</div></div><div><div>User Manual</div><div>Ver01.1.01</div></div></div>	<div><div>Tera 9100 1D/2D Wired Desktop Barcode Scanner User Manual</div><div>This user manual provides comprehensive guidance for the Tera 9100 1D/2D wired desktop barcode scanner, covering setup, configuration, operation, and advanced features.</div></div>

<p>TS-UM017</p> <p>Tera</p> <p>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>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>TS-UM016-Y</p> <p>Tera</p> <p>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>
<p>EV0024-1</p> <p>Tera</p> <p>Model No.: 6900 1D Barcode Scanner</p> <p>User Manual Ver.06.1.01</p> <p>The scanner's keyboard layout default is a US keyboard.</p>	<p>Tera 6900 1D Barcode Scanner User Manual - Configuration and Operation</p> <p>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.</p>