**Statement:**

We can only provide after sales services for products that are sold by TEEMI or TEEMI authorized retailer or distributor. If you have purchased your unit from a different place, please contact the seller for return or warranty issues.

TEEMI®

**Wireless Bluetooth 2D barcode scanner**

# User Guide

Model:TMSL-55

TEEMI

**Email**:support@teemistore.com
**Website**:www.teemistore.com
**Facebook**:https://www.facebook.com/TEEMI.products

# Contents

## Product Introduction

### About TMSL-55 Bluetooth 2D scanner

This TMSL-55 scanner is a wireless Bluetooth 2D barcode scanner and can work with Apple iOS, Android, Window PC/tablets. It delivers the blazing speed typical of laser scanners on both 1D and 2D bar codes, allowing you to accommodate 2D bar codes without sacrificing scanning quality or performance.

### Features and Benefits:

- High speed, omnidirectional reading of 1D, 2D, Postal bar codes and OCR
- Manual or automatic triggering
- Reads bar code reliably off cell phone screens
- Extremely low power consumption
- Disinfectant ready, IP42 housing
- USB port for your convenience
- Durable over-molded housing and secured cable ensure drop-shock survivability
- Bluetooth version can work with Apple iOS, Andriod, Window PC/tablets.
- High volume battery for extended working time

**Physical Characteristics**

| Physical Characteristics | |
|---|---|
| Dimensions: | 180mm x 95mm x 70mm |
| Weight: | 210g |
| Voltage\ Current: | 5 VDC +/-10% @ 400 mA |
| **Performance Characteristics** | |
| Image (Pixels): | 640 pixels (H)x 480 pixels (V) |
| Light Source: | Aiming: 617 nm LED; illumination: 6500K LED |
| Field of View: | 45° (H) x 35° (V) |
| Roll / Pitch / Yaw: | 360°, ±65°, ±60° |
| Battery volume: | 4.2v/2500mAh |
| Charging time: | 4h wired, scan one second time, the scanner can continuously work 18 hours. (New battery, Fully charged) |
| Wireless technolngy: | Bluetooth v4.1 |
| Operation distance: | 100 meters  (open space) |
| Print Contrast: | 25% minimum reflective difference |
| Interfaces Supported: | USB, RS232 |
| Motion Tolerances: | up to 25 in. (63.5 cm) per second |
| **Symbology Decode Capability** | |
| 1-D: | UPC, EAN, Code128, Code 39, Code 93, Code11, Matrix 2 of 5, Interleaved 2 of 5, Codabar, MSI Plessey, GS1 DataBar, China Postal, Korean Postal, etc. |
| 2-D: | PDF417, MicroPDF417, Data Matrix, Maxicode, QR Code, MicroQR, Aztec, Hanxin, etc. |
| **User Environment** | |
| Operating Temperature: | 0°C to 50°C |
| Storage Temperature: | -40°C to 70°C |
| Humidity: | 0% to 95% relative humidity,non-condensing |
| Shock Specifications: | Designed to withstand 1.5m(5') drops |
| Ambient Light Immunity: | 100.000 Lux. |
| **Decode Ranges** | |
| 5MIL | 50mm-110mm |
| 13MIL | 30mm-300mm |
| 1D Minimal Resolution | 4mil |
| Performance may be impacted by bar code quality and environmental conditions | |

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**Package includes:**
- One Bluetooth TMSL-55 scanner
- One USB cable
- One user manual

**Charging:**

We recommend fully charge the scanner before first use. To charge the device. You can use USB cable with scanner to charge.

The red LED will turn on during charging. The scanner can be fully charged in around 4 hours.

When the battery is low, you will hear three high beeps from the scanner.

## How to use

**Power ON/OFF**

- Hold the trigger of the scanner for 3 seconds; you will hear a high beep and the scanner is on.

- Scan the "Power Off" barcode to turn off the scanner

**|||||||||||||** **Power Off**

**Connect the scanner to your device**

Please kindly make sure your device has Bluetooth feature. The way to connect the scanner is the same to connect with a Bluetooth keyboard.

There are two ways to connect the scanner to your device. You can select as you need.

Option A: Scan "**Bluetooth Keyboard**"

1. Scan "Bluetooth Keyboard" barcode

 **BluetoothKeyboard**

2. Search the scanner named "SLXXXX" something in the Bluetooth list of your device.

3. Click "connect"

Option B: Scan "**Bluetooth GATT mode**"

1. Scan "**Bluetooth GATT mode**" barcode

 **Bluetooth GATT mode**

2. Search the scanner named "**SLXXXX**" something in the Bluetooth list of your device.

3. Click "connect"

**Bluetooth pairing with Android and iOS devices**

1. Turn on the scanner

2. Place the TMSL-55 scanner close to your device or within 3 feet

3. Bring the scanner into pairing mode by scanning the "**Bluetooth keyboard**" barcode

 **BluetoothKeyboard**

4. Turn on the Bluetooth function of your device and search for the scanner which named "SLXXX" something

5. Tap on the device to connect

6. Once the pairing is successful, the scanner will beep once

**NOTE: You can switch the input method and populate the virtual keyboard by scanning the programming barcodes below.**

 **Switch Input Method (Android)**

 **Switch Input Method (iOS/Windows)**

 **Popup/Hide Virtual Keyboard (iOS)**

**Bluetooth pairing with Windows PC and laptop**

If your PC has no Bluetooth feature, you can purchase some Bluetooth adapter on the market to enable the PC to have Bluetooth function or simply purchase our cradle for TMSL-55. This TEEMI cradle( TM 0195 ) can be used for wireless charging and data transferring. The following steps are for Windows PC or laptop with Bluetooth feature:

1. Turn on the scanner
2. Place the TMSL-55 scanner close to the PC or laptop within 3 feet
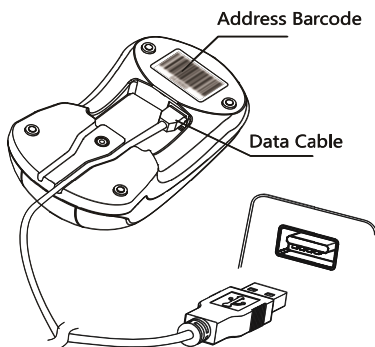3. Bring the scanner into pairing mode by scanning the"Bluetooth keyboard" barcode

 **BluetoothKeyboard**

4. Click on the Bluetooth icon on your PC screen and select add device. Wait for computer to start searching for Bluetooth device
5. The TMSL-55 will show up as "SLXXX" something under Bluetooth search result
6. Click the device to connect
7. Once the pairing is successful, the scanner will beep once

If you purchase the cradle, please kindly follow the steps below to connect the scanner with the cradle:

1. Connect cradle and host via the data cable .


Address Barcode
Data Cable

2. Scan "Connect Bluetooth Cradle" barcode below.



**Connect BT Cradle**
**Serial Default :115200, N81**

3. Scan address barcode at the bottom of the Bluetooth cradle.
4. Waiting for connection to be established, the LED on the cradle will turn blue when the connection is complete.

**Bluetooth pairing with Mac OS**

1. Turn on the scanner
2. Place the TMSL-55 scanner close to the PC or laptop within 3 feet
3. Bring the scanner into pairing mode by scanning the "Bluetooth keyboard" barcode

 **BluetoothKeyboard**

4. Open the Bluetooth Reference of Mac OS and search for the scanner
5. The TMSL-55 will show up as "SLXXX" something under Bluetooth search result
6. Click the device to connect
7. Once the pairing is successful, the scanner will beep once

**Inventory Mode**

When heading for an area which does not lie within the range of your working station's Bluetooth signal, or a locale where the signal quality is impaired by interferences and the like, you can use this wireless operation mode to temporarily store all barcode entries scanned onto the buffer memory of the scanning device. You may activate this modus operandi by scanning the function barcodes provided in this chapter following this description. Furthermore, all data entries will be securely stored in the buffer memory prior to the manual upload onto the working station.

Scanned entries shall be wiped from the buffer automatically when an upload is commenced while in normal Bluetooth operation mode. Therefore, a data loss is possible if an unanticipated malfunction occurs, like a working station shut down or connection loss during upload.

Keeping such possibilities in mind, the operation in inventory mode is highly recommended under the following scenarios:

a.) The scanner occasionally leaves the Bluetooth emitter signal range during scan sessions;

b.) The Bluetooth signal stability can't be ensured due to blocking objects or interferences.

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1. Scanning the following barcode activates the inventory mode:

 **Enter Inventory Mode**

2. You can scan your inventory barcodes, and the data will be saved in the scanner before you clear.

3. Scanning the following barcodes, all data entries shall be transferred to the working station after the reconnection (Only when in inventory mode):

 **Manual data upload**

4. If the following barcode is read, the quantity of all barcodes scanned previously will be transferred as a number string (Only when in inventory mode):

 **Show quantity of codes scanned**

5. If you want to clear the data entries in the scanner, you can scan clear barcode(This barcode function is only usable in this inventory mode)

 **Clear**

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6.Data is stored when Bluetooth disconnected and will
upload automatically when reconnect.

 **Asynchronous transfer mode**

7. If you want to change the scanner to normal manual
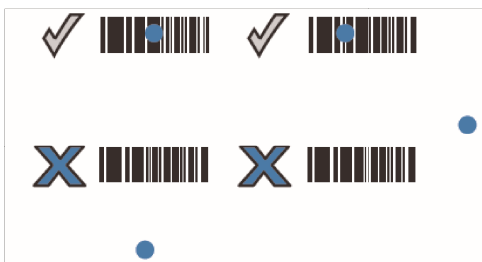   mode, you can scan exit inventory mode barcode below:

 **Exit inventory mode**

**Wake/Sleep**

1. The scanner will sleep if no action is performed in 2
   minutes. You can wake it easily by pressing the
   trigger of the scanner once
2. To save the power of the scanner, the scanner will
   automatically turn off if it sleeps over 1 hour.

**OptimumScanning**

**Scanner settings**

You can change your scanner settings by scanning the
following barcodes



**Factory reset**



**Button scan**



**Automatic scanning mode**



**Maximum Volume**

**Medium Volume**

**Enable Five-digit UPC-A Adds-on**

**Minimum Volume**

**Disable UPC-A Adds-on**

**Mute**

**Set STX Indicator as prefix**

**Enable Two-digit UPC-A Adds-on**

**Set ETX Indicator as suffix**

**Set tab as suffix**

**Remove suffix**

**Add return as suffix**

**Add jump line as suffix**

**Add jump line + return as suffix**

**Use Bluetooth Keyboard Types**

If you use the scanner without cradle, please kindly scan the barcodes below to set keyboard and language.

**USB Keyboard(Windows/Android)**

**USB Keyboard(Mac/iOS)**

Keyboard layouts vary from country to country. The default setting is U.S. keyboard.

**U.S.(default)**

**France**

**Germany**

**Italy**

**Spain**

**Use Bluetooth Cradle Types**

If you use scanner with cradle, please kindly scan the barcodes below to set keyboard and language. Before that, please ensure the scanner connected to cradle.

**USB Keyboard(Windows)**

**USB Keyboard(Mac)**

Keyboard layouts vary from country to country. The default setting is U.S. keyboard.

**U.S. (default)**

**France**

**Germany**

**Italy**

**Spain**

## Technical assistance:

For technical assistance, please email to support@teemistore.com with your purchase order number and a detailed description of your issue. We normally respond to enquiries within 24 hours.

## Warranty:

This scanner is covered with TEEMI parts and labor warranty  for 12 months from date of the original purchase from TEEMI. If the device fails due to a manufactured defect, please contact TEEMI Support (support@teemistore.com) immediately to launch a warranty claim. We will instruct you on how to return the defective unit back to us for repair and replacement.

The following are excluded from TEEMI warranty cover:
• Device purchased as 2nd hand or used
• Device purchased from unauthorized retailer and distributor
• Device resulted from misuse and abusive action
• Damage resulted from chemical, fire, radioactive
   substance, and poison, liquid and natural disaster
• Damage caused to any 3rd party/person/object and beyond

**FAQ:**

**1. I am not able to get the TMSL-55 to connect to the iPad. I can see it on the list of bluetooth devices but when I select it, nothing happens.  Eventually a message displays saying to make sure the device is turned on and within range.**

Answer: When you connect the TMSL-55 to a new device, it's better to scan the factory reset and restart the scanner first. Please kindly follow the steps below:

a)   Remove or forgot the scanner in the bluetooth list of your iPad

b)  Scan the factory reset

||||| ||| ||||| ||||| |||||

c)  Turn off the scanner by scanning  "power off"  barcode below

||||| ||| ||||| |||||    **Power Off**

d)  Turn on the scanner again

e)  Bring the scanner into pairing mode by scanning the"Bluetooth keyboard" barcode

||||| ||| ||||| ||||| |||||    **BluetoothKeyboard**

f )  Search the scanner in the bluetooth list of your device again and click connect

**2. Is there anyway I can turn off the sleep functionality, so it is always powered on and paired?**

You can scan the programming barcodes below to configure how long the scanner stays active before turning off.

||||| ||| ||||| |||||

Thirty Minutes (The scanner will automatically turn off if it sleeps over 30 Minutes. This is the default setting.)

||||| ||| ||||| |||||

One hour (The scanner will automatically turn off if it sleeps over 1 hour. This is the default setting.)

||||| ||| ||||| |||||

No sleep (The scanner will always stay on)

||||| ||| ||||| |||||

Four hours (The scanner will automatically turn off if it sleeps over 4 hours. This is the default setting.)

**3. If the scanner cannot get the expected reading result or you want custom prefix or suffix, please kindly send a clear picture of your barcode to support@teemistore and advise what reading result you want, we will reply you the programming barcodes in 24 business hours.**