

**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.



Wireless Bluetooth 2D barcode scanner

# User Guide

Model:TMSL-50

TEEMI

**Email:**[support@teemistore.com](mailto:support@teemistore.com)

**Website:**[www.teemistore.com](http://www.teemistore.com)

**Facebook:**<https://www.facebook.com/TEEMI.products>

# Contents

<b>Product Introduction</b> .....	1
About TMSL-50 Bluetooth 2D scanner.....	1
Features and Benefits .....	1
Physical Characteristics .....	2
Package includes .....	3
Charging .....	3
<b>How to use</b> .....	3
Power on/off .....	3
Connect the scanner to your device .....	4
Bluetooth pairing with Android and IOS devices .....	5
Bluetooth pairing with Windows PC and tablet.....	6
Bluetooth pairing with Mac OS .....	6
Inventory mode.....	8
Wake/Sleep .....	10
Scanning Setting .....	11
USB Country Keyboard Types .....	15
<b>Technical assistance and Warranty</b> .....	17

## Product Introduction


### About TMSL-50 Bluetooth 2D scanner

This TMSL-50 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, Android, 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:	8-10h wireless, 4h wired
Wireless technology:	Bluetooth v2.1
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(S') 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	
	

## Package includes:

- One Bluetooth TMSL-50 scanner
- One USB cable
- One user manual

## Charging:

We recommend fully charge the scanner before first use. To charge the device, connect the scanner with any USB charging adapter or active USB port by using the charge cable. 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



2. Search the scanner named “SLXXXX” something in the Bluetooth list of your device.
3. Click “connect”

#### Option B: Scan “Bluetooth Serial Port”

1. Scan “Bluetooth Serial Port” barcode



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-50 scanner close to your device or within 3 feet
3. Bring the scanner into pairing mode by scanning the “Bluetooth keyboard” barcode



4. Turn on the Bluetooth function of your device and search for the scanner which named “SLXXXX” 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.**



#### 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-50. This TEEMI cradle (ASIN: B01KUGJ2E) 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-50 scanner close to the PC or laptop within 3 feet
3. Bring the scanner into pairing mode by scanning the “Bluetooth keyboard” barcode

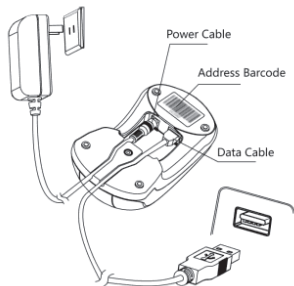


**BluetoothKeyboard**

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-50 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 and plug in the power 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-50 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-50 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.

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**

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.

### Optimum Scanning



### Scanner settings

You can change your scanner settings by scanning the following barcodes



**Factory reset**



**Button scan**



**Automatic scanning mode**



**Maximum Volume**



**Medium Volume**



**Minimum Volume**



**Mute**



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



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



**Disable UPC-A Adds-on**



**Set STX Indicator as prefix**



**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](mailto: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](mailto: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