

Barcode Scanner User Guide

Scanner Model: BTS-01
USB Dongle Model:BTSG



Appearance

Front view



Side view



Custom Button Scan Button



USB Interface Power Button

Tips

Power on: Press "power button"
Power off: Press and hold the "power button" at least 3 seconds
Scan trigger: Press the "scan button" to trigger scanning

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Back view



USB Dongle

DC PIN

3

Buzzer/LED lights prompt

State

The top indicator:

Blue light blinking slowly
Solid blue
Red light blink 3 times
(with buzzer ringing 5 times)
Solid red
Red light goes out

The tail indicator

Buzzer ringing continuously
Buzzer stopped ringing
Green light (w/buzzer ringing)
Red light (w/buzzer ringing 4 times)
All light flashing (w/buzzer ringing 3 times)

Description

Awaiting Bluetooth connection
Bluetooth paired successfully
Low battery

In charging
Charging completed

2.4G mode awaiting connection
2.4G link successful
Scanning success
Scanning abnormal/ paired failure
Power on

Connection

Method 1: 2.4GHz Wireless RF Connection

Step 1. Ensure BTS-01 is powered on, and scan any bar codes of the 2.4GHz Connection channel (Page8-9). Do not use the same channel when your working area was adjacent.
Step 2. When the continuous beeping starts, plug-in the USB dongle to your computer.
Step 3. Then continuous beeping will stop, means to connect successful.

Method 2: Bluetooth Connection

HID Connection Method

Step 1. On your devices, navigate to Bluetooth settings. For Android devices, tap the search button to begin searching for Bluetooth devices.
Step 2. Ensure BTS-01 is powered on, then scan the HID mode bar code in this context and restart BTS-01.
Step 3. On your devices, BTS-01 will appear on the list of available devices. If the brackets' S/N matches the S/N on the back of the BTS-01 you can tap it for connecting.

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SPP Connection Method

Step 4. Once the BTS-01 connects successfully, the top indicated blue light will be powered on.

Step 1. Install SPP demo from the App Store or develop with SPP. Open the Bluetooth settings on your device. For Android devices, tap the search button to begin searching for Bluetooth devices.
Step 2. Ensure BTS-01 is powered on then scan the SPP mode bar code in this context, and restart the BTS-01.
Step 3. On your devices, BTS-01 will appear on the list of available devices. If the brackets' S/N matches the S/N on the back of the BTS-01, you can tap it for connecting.
Step 4. Once the BTS-01 connects successfully, the top indicated blue light will be powered on.

Method 3: Voluntary Pair

Step 1. Check the Bluetooth Mac address of your phone.
Step 2. Generating an barcode with the 'barcode studio' or other software, print it out or show it in your phone(the barcode value : '\$BT#MAC ' + 'MAC address').
For example, the mac is 3C:2D:4E:13:4C, the barcode value would be \$BT#MAC3C2D4E134C.
Step 3. Scan this barcode by ring scanner to pair in voluntary.
Step 4. 'Agree' in your phone.

Tips

WD100 has a built-in application to show the barcode about Bluetooth MAC.

Common Settings

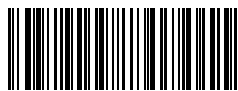
Normal setting

Obtain the information
(version/battery percentage)
of the ring scanner:



\$SW#VER

Initialization:



\$\$SYS#INIT

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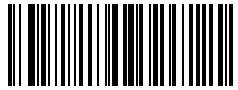


\$BT#CLEAR



\$ENTER#NO

Offline mode(start offline state)



%#INVMD



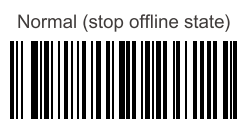
%#TXMEM



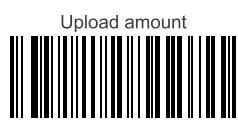
\$KEY#CAPS



\$ENTER#ON



%#NORMD



%#*TCNT



%#*NEW*

2.4GHz Connection Channel



\$RF#CH01



\$RF#CH03



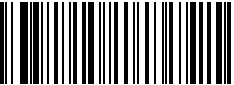
\$RF#CH02



\$RF#CH04

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Channel 5  \$RF#CH05	Channel 6  \$RF#CH06
Channel 7  \$RF#CH07	Channel 8  \$RF#CH08
Channel 9  \$RF#CH09	Channel 10  \$RF#CH10
Channel 11  \$RF#CH11	Channel 12  \$RF#CH12
Channel 13  \$RF#CH13	Channel 14  \$RF#CH14
Channel 15  \$RF#CH15	Channel 16  \$RF#CH16
Channel 17  \$RF#CH17	Channel 18  \$RF#CH18

Channel 19  \$RF#CH19	Channel 20  \$RF#CH20
Bluetooth Transmission Mode	
Bluetooth SPP Mode  \$BT#SPP	Bluetooth HID Mode  \$BT#HID

Sleep Extension Time

1 min  \$RF#ST01	5 min  \$RF#ST05
10 min  \$RF#ST10	30 min  \$RF#ST30
60 min  \$RF#ST60	Never sleep  \$RF#ST00

Keyboard Language

Scan one of the following bar codes to set different countries' keyboard language.

English(US)  \$LAN#EN	French  \$LAN#FR
German  \$LAN#GE	Spain  \$LAN#ES
Portuguese  \$LAN#PT	Turkish  \$LAN#TK
Italian  \$LAN#IT	

Customize Setting

The ring scanner offer two custom key, you can customize the key value as you need.

Example
Power key(KEY0) default: none (long-press: power off)
Custom key(KEY1) default: none

For example: Set the custom key value as “Backspace”

The steps:

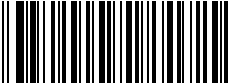
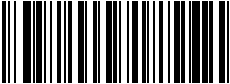
1. Please scan the ‘\$SCAN#1’ at first to set the key value of custom button.
2. Read the “1008” in follow, its represent for Backspace

3. Scan the numeric bar code 1, 0, 0, 8 one by one.
4. Scan the bar code ‘\$KEY0#1’ to enable the key value of the custom key”
Tips: Backspace-1008, Space-1032, Tab-1009, Enter-1013. If you need more setting, please contact the supplier or manufacturer.

Key Value Setting

Set the value of ‘power button’  \$SCAN#0	Set the value of ‘custom button’  \$SCAN#1
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Enable/Disable the customer button setting

Enable the key value of the power button  \$KEY0#1	disable the key value of the power button  \$KEY0#0
Enable the key value of the custom key  \$KEY1#1	disable the key value of the custom key  \$KEY1#0

Resetting the Scan Engine

 Set Factory Defaults

Numeric bar code

 0	 1
 2	 3
 4	 5
 6	 7
 8	 9

Quick Fixed

Error

Captured data wrong
Bluetooth can not be searched
Data can not output

HID|SPP can not exchange
No Aimer or illumination

Solution

Scan the resetting barcode
Scan unpaired barcode
Check that the correct connection method is used, distinguish HID|SPP|Off line mode
Contact the local service center
Scan the resetting barcode

Children

- 1) Do not allow children or pets to bite or suck the device.
- 2) Do not poke eyes, ears, or other body parts with the device or insert the device into the mouth.
- 3) Do not use it close to the eyes of people or animals when the scanner be triggered.

Transport Precautions

Do not transport the battery at ambient temperature higher than 65 °C (149 ° F).
Please keep device and battery separately during storage
Pack battery with appropriate packing materials.

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Return & Recycle

 This marking on the product accessories or literature indicates that the product and its electronic accessories (such as charger) should not be disposed with other household waste.