

Barcode Scanner User Guide

Scanner Model: BTS-01
USB Dongle Model:BTSG



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Appearance

Front view



Scan Window

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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Top Indicator

Tail Indicator

Back view



DC PIN



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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

Description

Awaiting Bluetooth connection
Bluetooth paired successfully
Low battery

In charging
Charging completed

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)

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

SPP Connection Method

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

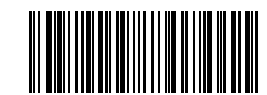
Normal setting

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



\$SW#VER

Initialization:



\$SYS#INIT

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Unpaired

\$BT#CLEAR



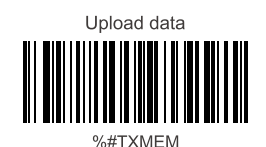
Cancel the suffix "Enter"

\$ENTER#NO



Offline mode(start offline state)

%#INVMD



Upload data

%#TXMEM



Caps Lock

\$KEY#CAPS



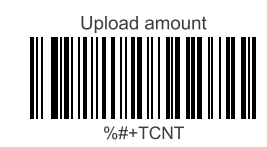
Add the suffix "Enter"

\$ENTER#ON



Normal (stop offline state)

%#NORMD



Upload amount

%#+TCNT



Clear the storage

%#+NEW*

2.4GHz Connection Channel



Channel 1

\$RF#CH01



Channel 2

\$RF#CH02



Channel 3

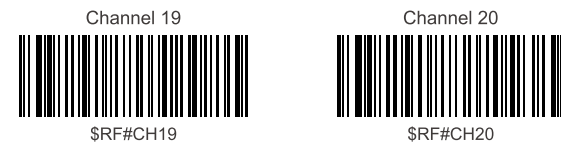
\$RF#CH03



Channel 4

\$RF#CH04

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Bluetooth Transmission Mode



Sleep Extension Time



Keyboard Language

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



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

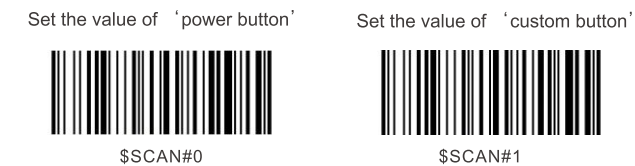
For example: Set the custom key value as "Backspace"

The steps:

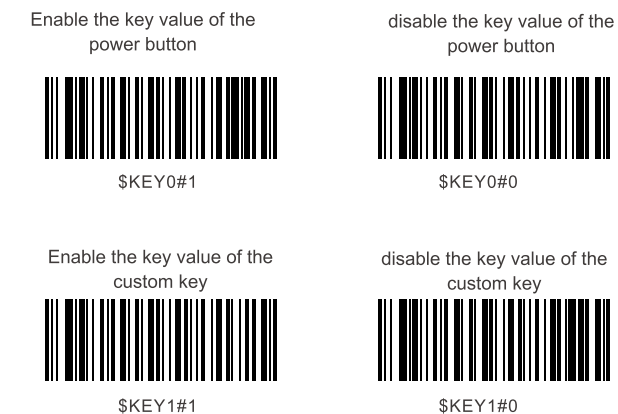
1. Please scan the '\$SCAN#1' at first to set the key value of custom button.
2. Read the "1008" in follow, its represent for Backspace

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



Enable/Disable the customer button setting



Resetting the Scan Engine



Numeric bar code



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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