

# R7 Wireless Ring Scanner User Guide



1

## Appearance

Font 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 second  
Scan trigger: Press the 'scan button' to trigger scanning

2

Back view

R70

R71



Top Indicator

Tail Indicator



DC PIN



3

## Buzzer/LED Lights Prompt

State

Description

The top indicator:

Blue light blinking slowly	Awaiting Bluetooth connection
Solid blue	Bluetooth paired successfully
Red light blink 3 times (w/buzzer ringing 5 times)	Low battery
Solid red	Charging
Red light goes out	Charging completed

The tail indicator

Buzzer ringing continuously	2.4G mode awaiting connection
Buzzer stopped ringing	2.4G link successful
Green light (w/buzzer ringing)	Scanning success
Red light (w/buzzer ringing 4 times)	Scanning abnormal/paired failure
All light flashing (w/buzzer ringing 3 times)	Power on

### Connection

#### Method 1: 2.4GHz Wireless RF Connection

- Step 1. Ensure R7 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 the continuous beeping stops - indicating successful connection.

#### 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 R7 is powered on then scan the HID mode bar code in this context, and restart R7.
- Step 3. On your devices, R7 will appear on the list of available devices. If the brackets' S/N matches the S/N on the back of the R7, you can tap it for connecting.

4

#### SPP Connection Method

- Step 1. Install SPP demo form 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 R7 is powered on then scan the SPP mode bar code in this context, and restart the R7.
- Step 3. On your devices the R7 will appear underneath the list of available devices. Check that the S/N in brackets matches the S/N on the back of the R7, then tap to connect.
- Step 4. Once the R7 connects, the top indicator blue light will be always on.

#### Method 3: Voluntary Pair

- Step 1. Check the Bluetooth Mac address of your phone.
- Step 2. Generate 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:

U2 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

5



Unpaired

\$BT#CLEAR



Cancel the suffix "Enter"

\$ENTER#NO



Offline mode(start offline state)

%#INVMD



Upload data

%#TXMEM



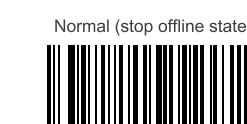
Caps Lock

\$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

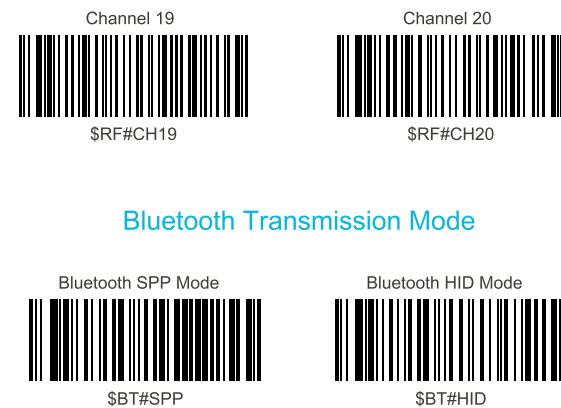
\$RF#CH03



Channel 4

\$RF#CH04

6



### Bluetooth Transmission Mode

### Sleep Extension Time

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

### Keyboard Language



### Customize Setting

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

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:

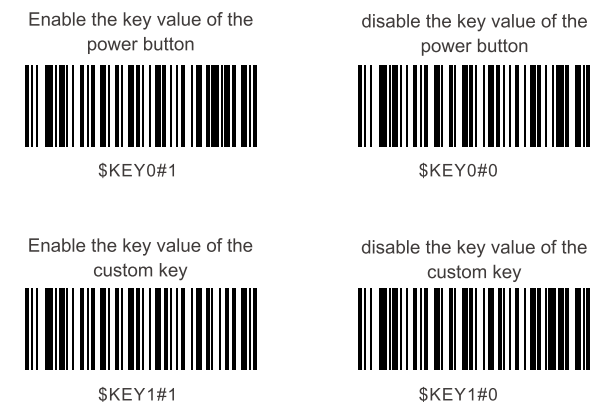
1. Please scan the '\$SCAN#1' at first to set the key value of custom button.
2. Read the '1008' in follow, its represent for "Backspace".
3. Scan the numeric bar code '1', '0', '0', '8' one by one.
4. Scan the bar code '\$KEY0#1' to enable the key value of the custom key.

**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

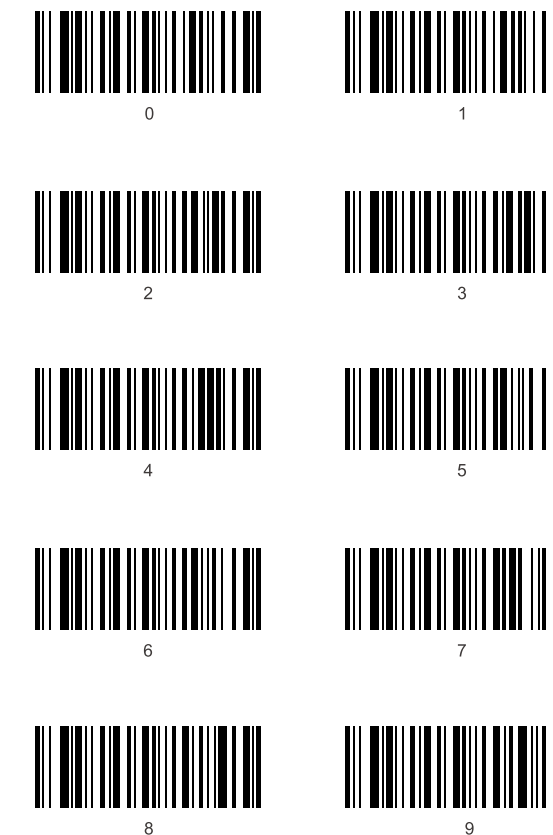


### Resetting the Scan Engine



Set Factory Defaults

### 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  
Contact the local service center

### 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 ).  
Please keep device and battery separately during storage.  
Pack battery with appropriate packing materials.

### Liability Disclaimer

UROVO Technologies takes steps to ensure that its published Engineering specifications and manuals are correct, however, error do occur. UROVO Technologies reserves the right to correct any such errors and disclaim liability resulting therefrom.

### 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.

### Help & Support

- ✉ EMAIL US AT [tech@urovo.com](mailto:tech@urovo.com)
- ☎ CALL US ON +86-755-22673926
- 🌐 [www.urovo.com/en](http://www.urovo.com/en)
- 📍 Floor 36, Hitech Zone Union Tower, No. 63 Xuefu Road, Nanshan District, Shenzhen, China