

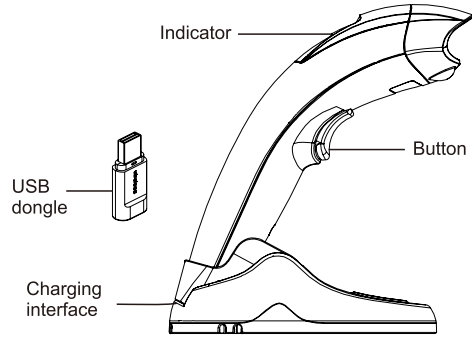
# 2D Bluetooth & 2.4G Barcode Scanner User Guide



Version

**Structure Chart:**

Power indicator: blue LED  
 Bluetooth pairing indicator: red LED  
 Charging pairing indication: green LED



**Feature::**

- 1) Can Scan various 1D codes/QR codes, directly transmit Chinese QR code
- 2) USB Bluetooth receiver, plug and play, easy to set up;
- 3) Wireless Bluetooth transmission distance reaches 30-50 meters (open space)
- 4) 512,000 characters can be stored in the offline/counter storage mode
- 5) Can be paired with Bluetooth-enabled mobile phones, tablets, and laptops

**Technical parameters:**

| Barcode Scanner     |  |
|---------------------|--|
| Data item           | spec   |
| Light Sources       | 617nm LED Aimer, White LED   |
| Decoding capability | 1D: EAN, UPC, Code 39, Code 93, Code 128, UCC/EAN 128, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, MSI-Plessey, GS1 Databar, GS1 Composite Code, Code11, Industrial 25, Standard 25, Plessey, Matrix 2 of 5<br>2D: QR Code, Data Matrix, PDF417, Micor PDF417, Aztec, Maxicode, Hanxin code, Directly transmit Chinese QR code |

|                            |   |
|----------------------------|---|
| Minimum Element Resolution | ≥5mil                                     |
| Scan Type                  | Image CMOS                                |
| Scan Mode                  | Manually/Continuous/Auto-sensing scanning |
| Scan angle                 | Yaw ±65°, Rotation 360°, Pitch ±60°       |
| Interface                  | USB-HID                                   |
| Cable Length               | 1.2M                                      |
| Error Rate                 | Less than 1/5 million                     |
| Material                   | ABS+PC                                    |
| Voltage                    | DC5V±1%                                   |
| Working current            | Working status 280mA                      |
| Shock Resistance           | withstand multiple 3 meters free fall     |
| Working Temperature        | -20°C - 50°C                              |
| Storage Temperature        | -40°C - 70°C                              |
| Relative Humidity          | 5%~95% (Non-condensing)                   |

**Factory Default**

Note: Scan below Code A, Code B, Code C in order to return factory default.



**Pair instruction:**

**A: Barcode Scanner pair with Cradle**  
 Step 1, Scan Below Pairing Code I, Code II in sequence, and the scanner LED indicator become red and flashing



Step 2, Connect the Cradle to host device through the data cable and wait a second, the LED indicator both become blue on barcode scanner and cradle after succeed pair

**B: Barcode scanner pair with bluetooth device**  
 Step 1, Scan Below Pairing Code I, Code II in sequence, and the scanner LED indicator become red and flashing



Step 2, Open bluetooth in the bluetooth device and search for the barcode scanner which named "R&B40" and click connect, wait a second, the barcode scanner LED indicator becomes red after succeed pair

**Keyboard ON or OFF in IOS device**



Note: Scan above QR code to enable or disable Keyboard in the IOS device

**Wired mode**



Wired transmission

Note: this barcode scanner can use as wired through an extra data cable, just need to scan above code.

**3 Optional Wireless Mode**



Normal



Automatic Storage (default)



Inventory

Note:

- (1) Normal Mode: the data will be uploaded to host device immediately after scan, out of range it will not save the data, and there will be 2 alarm beeps out of range;
- (2) Inventory Mode: the data will be saved in the memory chip, and upload data to host device as instructed;
- Eg: scan the "upload all data and clear", the scanner will upload all data saved in the memory chip and cleared the original data.
- (3) Automatic storage Mode: the data will be uploaded to host device immediately after scan if the scanner in range, the data will be saved in the memory chip if the scanner out of range which will heard 2 alarm beeps, press the scanner trigger to upload the saved data after back to range, and the original data in the memory chip will be cleared.

**Data upload instruction in Inventory Mode**



Upload all data



Upload new data



Display all data



Display new data



Data delete

**Scan Mode**



Manual (default)



Continuous



Auto-sensing

**Suffix Setting**



CR (default)



CR&LF



TAB



None

### Keyboard Caps Lock Control



None



Capitalize



Lower case



Case Swap

### Sleep time Setting



1Min



5Min



10Min



None

### Aim Setting



Normal illuminations  
(twinkle)



Normal illuminations  
(no flicker)



Continuous Light Mode



No illuminations

### Illuminations Setting



Normal Illuminations



Continuous Light Mod



No Illuminations

### Buzzer



On



Off



High



Mid



Low

### Transmit Speed



No delay



Delay 20ms



Delay 40ms

### Keyboard language



USA(default)



French



Belgian



Brazilian



Canadian



Japanese



German



Italian



Turkey-F



Turkey-Q



Portuguese



Spanish

### Prefix Setting

#### Custom Prefix

Eg: Add Prefix "A"

**Step 1**, Scan setting code "Prefix+ Data"



Prefix+data

**Step 2**, Scan setting code "Prefix"



Prefix

**Step 3**, Scan the numeric code correspond to "A", the ASCII value of A is 1 0 6 5

Refer to Appendix 1 & Appendix 2



1



0



6



5

**Step 4**, Scan "save" code to save



Save

### Appendix 1 :



0



1



2



3



4



5



6



7



8



9

### Appendix 2 :

| Scanning value | Keyboard value | Scanning value | Keyboard value | Scanning value | Keyboard value |
|----------------|----------------|----------------|----------------|----------------|----------------|
| 1000           | Null           | 1043           | +              | 1086           | V              |
| 1001           | Keypad Enter   | 1044           | ,              | 1087           | W              |
| 1002           | Caps lock      | 1045           | -              | 1088           | X              |
| 1003           | Right Arrow    | 1046           | .              | 1089           | Y              |
| 1004           | Up Arrow       | 1047           | /              | 1090           | Z              |
| 1005           | Null           | 1048           | 0              | 1091           | [              |
| 1006           | Null           | 1049           | 1              | 1092           | \              |
| 1007           | Enter          | 1050           | 2              | 1093           | ]              |
| 1008           | Left Arrow     | 1051           | 3              | 1094           | ^              |
| 1009           | Horizontal Tab | 1052           | 4              | 1095           | _              |
| 1010           | Down Arrow     | 1053           | 5              | 1096           | `              |
| 1011           | Vertical Tab   | 1054           | 6              | 1097           | a              |
| 1012           | Backspace      | 1055           | 7              | 1098           | b              |
| 1013           | Enter          | 1056           | 8              | 1099           | c              |
| 1014           | Insert         | 1057           | 9              | 1100           | d              |
| 1015           | Esc            | 1058           | :              | 1101           | e              |
| 1016           | F11            | 1059           | ;              | 1102           | f              |
| 1017           | Home           | 1060           | <              | 1103           | g              |
| 1018           | Print Screen   | 1061           | =              | 1104           | h              |
| 1019           | Delete         | 1062           | >              | 1105           | i              |
| 1020           | tab+shift      | 1063           | ?              | 1106           | j              |
| 1021           | F12            | 1064           | @              | 1107           | k              |
| 1022           | F1             | 1065           | A              | 1108           | l              |
| 1023           | F2             | 1066           | B              | 1109           | m              |
| 1024           | F3             | 1067           | C              | 1110           | n              |
| 1025           | F4             | 1068           | D              | 1111           | o              |
| 1026           | F5             | 1069           | E              | 1112           | p              |
| 1027           | F6             | 1070           | F              | 1113           | q              |
| 1028           | F7             | 1071           | G              | 1114           | r              |
| 1029           | F8             | 1072           | H              | 1115           | s              |
| 1030           | F9             | 1073           | I              | 1116           | t              |
| 1031           | F10            | 1074           | J              | 1117           | u              |
| 1032           | Space          | 1075           | K              | 1118           | v              |
| 1033           | !              | 1076           | L              | 1119           | w              |