

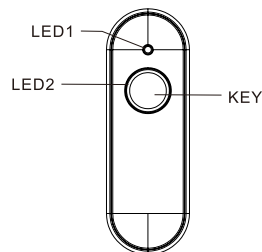
2D Bluetooth & 2.4G Barcode Scanner User Guide



Version

Structure Chart:

LED1: Bluetooth light
 LED2: Power light
 LED3: Trigger buttons
 (Long press 8s to enter pairing mode)



Product Features:

- 1) Powerful decoding chip to read most standard 1D/2D barcodes;
- 2) Memory chip can store max 35000 barcodes(EAN13);
- 3) Long wireless range up to 100m in open yard;
- 4) Compatible with Android and IOS devices;
- 5) Can use as wired barcode scanner through charging cable.

Technical Parameter:

Barcode Scanner	
Date Item	Parameter
Light Sources	617 nm LED white
Decoding capability	1D: Code128, EAN-13 / ISBN, ISNN, Code32, EAN-8, UPC-A, UPC-E, UCC / EAN-128, Code39, Codabar, Code93, Interleaved 2 of 5, Industrial 2 of 5 / Stander 2 of 5 / IATA 2 of 5, Matrix 2 of 5, 2D: QR Code, DataMatrix, PDF417, MicroPDF 417, Aztec Code.
Minimum Element Resolution	≥5mil

Scanning Principle	CMOS
Scanning Mode	Manual/Continuous/Auto-scanning
Resolution Ratio	640X480px
Scanning Depth	25mm-150mm (13mil90%PCS)
Interface	USB-HID
Error Rate	1/500 thousand
Cable Length	0.8m
Material	ABS-PC
Working Current	working current 280mA
Working Voltage	DC5V±5%
Shock Resistance	withstand multiple times 3 meters drops to concrete
Working Temperature	-20°C-50°C
Storage Temperature	-40°C-70°C
Relative Humidity	5% - 95% RH (Non-condensing)

Factory Default



Bluetooth Pairing Steps

Pair instruction

A:Barcode Scanner pair with USB dongle
 Step 1, Scan Below Pairing barcode I, barcode II in sequence/Long press 8s to enter pairing mode, and the scanner LED1 indicator become blue and flashing;

Step 2,Connect the USB dongle to host device and wait a second ,the LED1 indicator both become blue on barcode scanner and USB dongle after succeed pair.



B:Barcode scanner pair with bluetooth device
 Step 1, Scan Below Pairing barcode I, barcode II in sequence/Long press 8s to enter pairing mode, and the scanner LED1 indicator become blue 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 LED1 indicator becomes blue after succeed pair.



Keyboard ON or OFF in IOS device



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

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 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

Transmit Speed



No delay



Delay 20ms



Delay 40ms

Bar code calibration bit setting



*Disable



Enable

Keyboard language



USA(default)



French



Belgian



Brazilian



Canadian



Japanese



German



Italy



Portuguese



Spanish



Turkey-F



Turkey-Q

Upc-a converts EAN13 Settings



Enable



*Disable

Prefix setting



Add prefix



Prefix

Eg , Add prefix "A"
Step 1, Scan below code to enter into "add prefix"
Step 2, Scan below code to add "prefix"
Step 3, Scan the numeric code correspond to "A", the ASCII value of A in Hexadecimal is "4" "1"
 Refer to Appendix 1 & Appendix 2
Step 4, Scan "save" code to save(refer to Appendix 1)

Suffix Setting



Add Suffix



Suffix

Note: The method of adding the suffix is the same as the prefix.

Appendix 1:



0



1



2



3



4



5



6



7



8



9



A



B



C



E



Saved



D



F

Appendix 2 :

Hex	Char
00	NUL (Null char.)
01	SOH (Start of Header)
02	STX (Start of Text)
03	ETX (End of Text)
04	EOF (End of Transmission)
05	ENO (Enquiry)
06	ACK (Acknowledgment)
07	BEL (Bell)
08	BS (Backspace)
09	HT (Horizontal Tab)
0a	LF (Line Feed)
0b	VT (Vertical Tab)
0c	FF (Form Feed)
0d	CR (Carriage Return)
0e	SO (Shift Out)
0f	SI (Shift In)
10	DLE (Data Link Escape)
11	DC1 (XON) (Device Control 1)
12	DC2 (Device Control 2)
13	DC3 (XOFF) (Device Control 3)
14	DC4 (Device Control 4)
15	NAK (Negative Acknowledgment)
16	SYN (Synchronous Idle)
17	ETB (End of Trans. Block)
18	CAN (Cancel)
19	EM (End of Medium)
1a	SUB (Substitute)
1b	ESC (Escape)
1c	FS (File Separator)
1d	GS (Group Separator)
1e	RS (Request to Send)
1f	US (Unit Separator)
20	SP (Space)
21	! (Exclamation Mark)
22	" (Double Quote)
23	# (Number Sign)
24	\$ (Dollar Sign)
25	% (Percent)
26	& (Ampersand)
27	' (Single Quote)
28	((Right / Closing Parenthesis)
29) (Right / Closing Parenthesis)
2a	* (Asterisk)
2b	+ (Plus)
2c	, (Comma)
2d	- (Minus / Dash)
2e	. (Dot)
2f	/ (Forward Slash)
30	0
31	1
32	2
33	3
34	4
35	5
36	6
37	7
38	8
39	9
3a	: (Colon)
3b	; (Semi-colon)
3c	< (Less Than)
3d	= (Equal Sign)
3e	> (Greater Than)
3f	? (Question Mark)

Hex	Char
40	@ (AT Symbol)
41	A
42	B
43	C
44	D
45	E
46	F
47	G
48	H
49	I
4a	J
4b	K
4c	L
4d	M
4e	N
4f	O
50	P
51	Q
52	R
53	S
54	T
55	U
56	V
57	W
58	X
59	Y
5a	Z
5b	[(Left / Opening Bracket)
5c	\ (Back Slash)
5d] (Right / Closing Bracket)
5e	^ (Caret / Circumflex)
5f	_ (Underscore)
60	` (Grave Accent)
61	a
62	b
63	c
64	d
65	e
66	f
67	g
68	h
69	i
6a	j
6b	k
6c	l
6d	m
6e	n
6f	o
70	p
71	q
72	r
73	s
74	t
75	u
76	v
77	w
78	x
79	y
7a	z
7b	[(Left/ Opening Brace)
7c	^ (Vertical Bar)
7d] (Right/Closing Brace)
7e	_ (Tilde)
7f	DEL (Delete)