

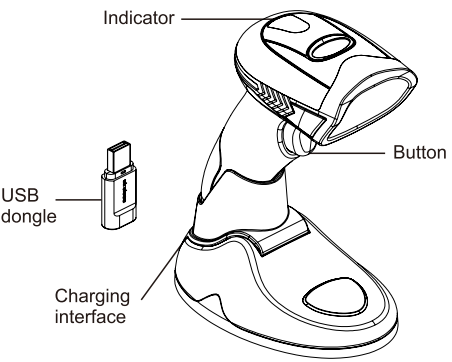
2D Bluetooth & 2.4G Barcode Scanner User Guide



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-13, EAN-8, UPC-A, UPC-E0, UPC-E1, Code128, Code 39, Code 93, CodaBar, Interleaved 2 of 5, Industrial 25, Matrix 2 of 5, Code 11, MSI Plessey , RSS-14, limited RSS, extended RSS 2D: QR Code, Data Matrix (ECC200), PDF417
Image Sensor	640*480
Scan depth of field	35-190mm(EAN13, 13mil, PCS90%)

Minimum Element Resolution	1D≥5mil, 2D≥10mil
Scan Type	Image CMOS
Scan Mode	Manually/Continuous/Auto-sensing scanning
Scan angle	Yaw ±60°, Rotation 360°, Pitch ±60°
Interface	USB-HID
Cable Length	1.8M
Error Rate	Less than 1/5 million
Material	ABS+PC
Voltage	DC5V±5%
Working current	Working status 280mA
Shock Resistance	withstand multiple 3 meters free fall
Working Temperature	-20℃ - 60℃
Storage Temperature	-40℃- 70℃
Relative Humidity	5%~95% (Non-condensing)

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



I



II

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



I



II

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 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

Buzzer



ON



OFF



Low



High

Transmit Speed



No delay



Delay 20ms



Delay 40ms

Suffix Setting



Add Suffix



Suffix

Eg , Add suffix "A"

Step 1, Scan below code to enter into "add suffix "

Step 2, Scan below code to add "suffix"

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)

Image Reverse



Disable



Enable

Keyboard language



USA(default)



French



Belgian



Brazilian



Canadian



Japanese



German



Italian



Turkey-F



Turkey-Q



Portuguese



Spanish

Bar code calibration bit setting



Enable



Disable

Upc-a converts EAN13 Settings



Enable



Disable

Appendix 1:



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F



Saved

Appendix 2 :

Hex	Char
00	NUL (Null char.)
01	SOH (Start of Header)
02	STX (Start of Text)
03	ETX (End of Text)
04	EOT (End of Transmission)
05	ENQ (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)