



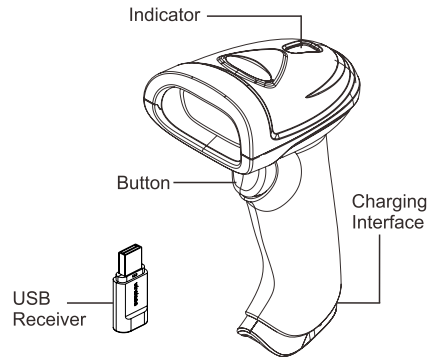
# 2D Bluetooth & 2.4G Barcode Scanner User Guide



Version

## I. Structure Chart:

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



## II. Features:

- (1) Support a various of 1D and 2D barcodes and support USB-HID and USB-COM;
- (2) Long wireless transmission distance up to 100m in open yard;
- (3) Memory chip can store max 35000 barcodes (EAN 13);
- (4) Compatible with android ,apple etc mobile devices.

## III. Technical Parameter:

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, Code 11, Industrial 25, Standard 25, Plessey, Matrix 2 of 5. 2D: QR Code, Data Matrix, PDF417, Micor PDF417, Aztec, Maxicode, Hanxin 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,USB-COM
Cable Length	1.2M
Error Rate	Less than 1/5 million
Material	ABS+PC
Voltage	DC5V±1%
Working current	280mA
Battery Capacity	1400mA
Shock Resistance	withstand multiple 1.5 meters free fall
Working Temperature	-20℃ - 50℃
Storage Temperature	-40℃ - 70℃
Relative Humidity	5%~95% (Non-condensing)

## Factory Default



## Bluetooth Pairing Steps

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 blue 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 blue and flashing



I



II

## Keyboard ON or OFF in IOS device



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

## Wired Direct Transmission Mode



Wired Transmission

Note : Plug in the charging cable to connect to the computer device, scan this setting code, you can switch to wired transmission mode.

## 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



Data delete

## Scan Mode



Manual(default)



Auto-sensing

## Suffix Setting



CR(default)



TAB



Display new data



Continuous



Continuous



Continuous



CR&LF



None

Keyboard Caps Lock Control



\*None



Capitalize



Lower Case



Case Swap

Sleep Time Setting



1Min



5Min



10Min



None

Transmit Speed



No delay



Delay 10ms



Delay 20ms

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



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)

	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)