

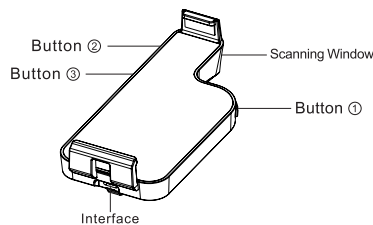
# 2D Bluetooth & 2.4G Barcode Scanner User Manual



Version

## Structure Chart:

1. Button ① or button ②: Press to scan the barcode;
2. Button ③: Press and hold for 3s to enter the pairing state.



## Product Features:

- 1) Powerful decoding chip to read most standard 1D/2D barcodes;
- 2) Support Android/iOS system, can replace PDA, scanner, mobile phone scanning;
- 3) Bluetooth connection, simple and fast;
- 4) Long wireless range up to 50m in open yard.

## Technical Parameter:

Barcode Scanner	
Date Item	Parameter
Light Sources	Red Aimer, Wran yellow LED Lighting
Decoding capability	1D: EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, CodaBar, Code 128, Code 93, ITF-14, ITF-6, Matrix 2 of 5, Interleaved 2 of 5, Industrial 2 of 5, GS1 Databar(RSS), Code 39, Code 11, MSI-Plessey, etc. 2D: QR Code, Data Matrix, PDF417, Micro PDF417, Micro QR, Aztec.
Scan Type	Image CMOS
Resolution	838*640
Scan Mode	Manual/Continuous/Automatic Scintillation
Scan Angle	Yaw60°, Rotaion 360°, Pitch60°
Precision	1D: ≥3mil, 2D: ≥5mil
Depth of Scan Field	30mm-310mm(EAN-13 13mil 13 bytes)

Interface	Bluetooth: HID, BLE, SPP
Transmission Distance	50M(Open Yard)
Error Rate	1/5million
Cable Length	1M
Material	ABS+PC
Working Voltage	DC5V±5%
Operating Current	≥220mA(maximum value)
Lithium Battery	3000mAh
Charging Mode	Type-C charging cable, plug in and charge directly
Shock Resistance	Withstands multiple times 1.2m drops to concrete
Operating Temperature	-20°C - 60°C
Storage Temperature	-40°C~70°C
Relative Humidity	5% ~95% RH(Non-condensing)

## Factory Default



## Bluetooth Mode



HID Mode(Default)



SPP Mode



BLE Mode

## HID Mode Pairing



Bluetooth pairing/disconnection  
(valid only in HID mode)

### HID Mode Pairing Process:

1. Scan Bluetooth HID mode → scan Bluetooth pairing (the blue light flashes quickly);
2. The device searches for the Bluetooth BarCode Scanner HID → click to connect (there will be a "didi" prompt sound if the connection is successful) or press and hold the button ③ for more than 3 seconds to enter the pairing mode;
3. You can output the data on the notepad or other text on the device. If you need to pair with another device, first scan for Bluetooth disconnection (there will be a "didi prompt" when disconnected), then scan for Bluetooth pairing, and repeat the above pairing process.

### BLE mode pairing process:

1. Scan the Bluetooth BLE mode (the blue light flashes quickly) → the device searches for Bluetooth BarCode Scanner BLE;
2. Click to connect (there will be a "didi" prompt tone if the connection is successful) SPP mode.

### SPP pairing process:

1. Scan Bluetooth SPP mode (the blue light flashes quickly) → the device searches for Bluetooth BarCode Scanner SPP;
2. Click to connect (there will be a "didi" prompt sound if the connection is successful).

## Keyboard ON or OFF in IOS device



Keyboard ON in IOS device

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

## Scan Mode



Manual(default)



Continuous



Auto-sensing

## End Character



CR



CR&LF



None

## Keyboard Caps Lock Control



None(Default)



Capitalize



Lower Case



Case Swap

## Sleep Time



1Min



2Min



5Min



10Min



None

### Transmit Speed



Fast



Medium Speed



Low Speed



Ultra Low Speed

### Keyboard Language



USA



French



British



Japanese



German



Italy



Portuguese



Spanish



Turkish Q



Turkish F

### Image Reverse



1D Inverted Barcode Disable



1D Inverted Barcode Enable



QR Inverted Barcode Disable



QR Inverted Barcode Enable

### UPC-A to EAN13



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	END (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)
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)