

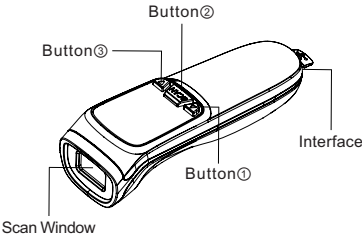
# 2D Bluetooth Portable Barcode Scanner with Screen User Manual



Version

## Structure Chart:

- 1. Press button ① and button ③ at the same time to enter the setting mode, and you can choose 2.4G mode or Bluetooth mode for pairing (press again at the same time to return to the home page);
- 2. Press button ② to scan the barcode.



## Product Features:

- 1) Support a various of 1D and 2D barcodes;
- 2) Long wireless range up to 50-80m in open yard;
- 3) Process fuselage design, long time holding without fatigue;
- 4) 512000 characters can be stored in offline and Inventory storage mode;
- 5) With Bluetooth function of mobile phone, tablet, laptop Paired use.

## Technical Parameter:

Barcode Scanner	
Date Item	Parameter
Light Sources	Red Aimer, White LED
Decoding capability	1D: Code 128 (ISBT 128, AIM 128, GS1 128), EAN-13, EAN-8, UPC-E, UPCA, ISBN, ISSN, Code11, Interleaved 2 of 5, Code 39, Code 93, Code 32, Codabar, Matrix 2 of 5, Industrial 25, IATA25, MSI Plessey, Plessey, GS1 DataBar, Febraban. 2D: QR Code, Micro QR, Data Matrix, PDF417, Micro PDF417, Aztec, Maxicode, Hanxin Code, Dotcode, Composite.
Scan Type	Image CMOS
Resolution	640*480

Precision	≥3mil
Scan Angle	Yaw55°, Rotaion 360°, Pitch55°
Scan Mode	Manual/Continuous/Automatic Scintillation
Field Angle	48°(H) x 36°(V)
Depth of Scan Field	EAN-13 50-330mm(13mil 13 bytes), QR Code 30-215mm(15mil 30bytes).
Wireless communication	Pairing special receiver: 2.4G communication, pairing mobile Bluetooth device: dual-mode Bluetooth
Interface	Receiver: USB-HID, Bluetooth: HID, BLE, SPP
Transmission Distance	50-80M(Open Yard)
Error Rate	1/5million
Cable Length	1M
Material	ABS+PC
Working Voltage	DC5V±5%
Operating Current	Working Current ≥200mA
Lithium Battery	1000mAh
Shock Resistance	Withstands multiple times 1.5m drops to concrete
Operating Temperature	-20°C - 50°C
Storage Temperature	-40°C~70°C
Relative Humidity	5% ~95% RH(Non-condensing)
Ambient light	0~100,000LUX

## Factory Default



## Bluetooth Mode



HID Mode



BLE Mode



SPP Mode

## HID Mode pairing process:

- ① Scan Bluetooth HID mode → Scan Bluetooth pairing (blue light flashes quickly).
- ② The device searches for Bluetooth Barcode Scanner HID → click to connect (there will be a "beep" sound when the connection is successful).
- ③ The data can be output in 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 beep" sound when disconnecting), then scan for Bluetooth pairing, and repeat the above pairing process.

## BLE Mode pairing process:

- ① Scan Bluetooth BLE mode→Device search Bluetooth Barcode Scanner BLE.
- ② Click Connect (there will be a "beep" sound when the connection is successful).

## SPP pairing process:

- ① Scan Bluetooth SPP mode → device search Bluetooth Barcode Scanner SPP.
- ② Click Connect (there will be a "beep" sound when the connection is successful).

## HID Mode Pairing



Bluetooth Pairing / Disconnect  
(valid under HID only)

## 2.4G Receiver Pairing Steps



2.4G Mode



Pairing

## 2.4G pairing steps:

- 1) Scan "2.4G Mode" → Scan "Pairing" (blue light flashes quickly).
- 2) Connect receiver → Connection succeeded (with "di" prompt tone).

## Keyboard ON or OFF in IOS device



## 3 Optional Wireless Mode



Normal



Automatic Storage



Inventory

## Note:

- 1) Instant upload mode: Scan the barcode to enter the instant upload mode. You will hear a "beep" sound normally. In this mode, the scanned results will be uploaded to the computer instantly.
- 2) Internal storage mode (inventory mode): Scan the barcode to enter the inventory mode. The scanned data will be stored in the internal memory. A "tick" sound will be heard normally. All barcodes stored in this mode can be uploaded by scanning the setting code. data to computer.
- 3) Automatic storage mode: Scan the barcode to enter the automatic storage mode, that is, no loss mode. In this mode, when there is a signal (the normal sound is a "beep"), the data is uploaded to the computer immediately. When the signal is weak or there is no signal (normal The sound is "tick"), the scanned data will be stored in the internal memory, and when there is a signal, the data will be automatically uploaded to the computer.

## Data upload instruction in Inventory Mode



Upload all data



Display all data



Data delete

## Scan Mode



Manual



Continuous



Auto-sensing

## End Character



CR



CR & LF



TAB



None

### Keyboard Caps Lock Control



None



Capitalize



Lower Case



Case Swap

### Sleep Time Setting



1Min



2Min



5Min



10Min



None

### Transmit Speed



Fast transmission



Medium speed transmission



Low speed transmissio



Ultra low speed transmission

### Keyboard Language



USA



French



British



Japanese



German



Italy



Portuguese



Spanish



Czech



Turkish Q

### Inverted Barcode Setting



Disable



Enable

### 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	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)

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)