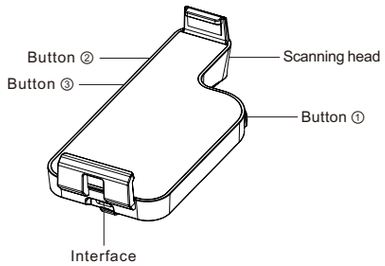
NO. S2DCS3070HFV0

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 5s 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	527nm Aimer, White LED
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,GS1 Databar(RSS), Industrial 2 of 5,Code 39,Code 11, MSI-Plessey. 2D:QR Code,Data Matrix,PDF417, Micro PDF417,Micro QR,Aztec, Maxicode,Hanxin Code.

Scan Type	Image CMOS
Resolution	640*480
Field Angle	48°(H) x 36°(V)
Precision	≥4mil
Scan Angle	Yaw45°, Rotaion 360°, Pitch45°
Scan Mode	Manual/Continuous/Automatic Scintillation
Depth of Scan Field	EAN-13(13mil): 4-25cm, Code39(4mil): 4-10cm, QR code(15mil): 2-170cm
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	Working Current ≥250mA
Lithium Battery	3000mAh
Shock Resistance	Withstands multiple times 1.5m drops to concrete
Operating Temperature	-20℃ - 50℃
Storage Temperature	-40℃~70℃
Relative Humidity	0% ~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 "dididi 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(default)

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(Default)

French

British

Japanese

German

Italy

Portuguese

Spanish

Czech

Turkish Q

Image Reverse

1D Inverted Barcode Disable

1D Inverted Barcode Enable

2D Inverted Barcode Disable

2D 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	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)

FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.