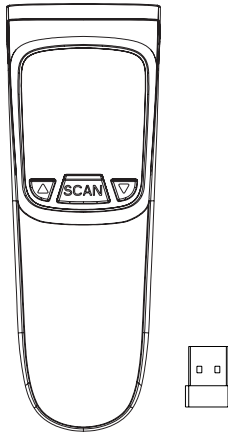
2D Bluetooth & 2.4G Barcode Scanner with Display Screen

User Manual



Model: M82

Contents

Version

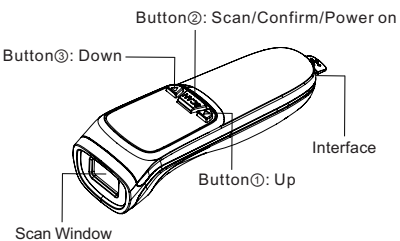
Factory Default

Structure Description

1. Button② means: Confirm / Power on / Scan. Button① means: Up. Button③ means: Down. (Note: In the menu, Button② can only be used as the confirm key, and when exit the menu, it can only be used as the scan key).

2. Press button② to power on. Press button① and button③ at the same time to enter the setting mode, and you can choose 2.4G mode or Bluetooth mode for pairing(press button①and③ again at the same time to exit the menu).

3. Press button ② to scan the barcode.



Technical Parameter

Barcode Scanner	
Date Item	**Parameter**
Light Sources	Red Aimer, White LED
Decoding Ability	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, IATA 2 of 5, Industrial 2 of 5, MSI Plessey, Plessey, GS1 DataBar, Febraban. 2D: QR Code, Micro QR, Data Matrix, PDF417, Micro PDF41, Aztec, Maxicode, Hanxin Code, Dotcode, Composite.
Scanning Principle	Image CMOS
Resolution	640*480
Decoding Accuracy	≥3mil
Scan Angle	Yaw55°, Rotaion 360°, Pitch55°
Scan Mode	Manual / Continuous / Auto-sensing
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
Data Saving Mode	Automatic Storage Mode (default) / Instant Upload Mode / Inventory Storage Mode
Storage Ability	512, 000 Bytes
Connection Ways	Bluetooth & 2.4Ghz Wireless & USB Wried
System Compatibility	iOS, Android, Windows, Linux, Harmony OS Mac OS (Bluetooth connection only)
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	Withstand multiple 1.5 meters free fall
Operating Temperature	-20℃~50℃
Storage Temperature	-40℃~70℃
Relative Humidity	5%-95% RH without condensation
Ambient light	0~100,000LUX

Bluetooth Pairing Instructions

Method 1: Using Screen Button Pairing

Middle button means: Power on / Scan / OK
Left button means: Up
Right button means: Down
Press left and right button at the same time: enter the setting mode / return to the home page.

① Press the middle button to turn on the scanner. Press left button and right button at the same time to enter the setting mode;

② Press right button to select the “Connection mode” → press middle button OK → press right button to select the mode you need to use(2.4G / Bluetooth HID / Bluetooth SPP / Bluetooth BLE) → press middle button OK;

③ Return to SET UP page, select “Enter Pairing Mode” → press middle button OK → YES → Successfully entered pairing state;

④ The mobile device open Bluetooth, search “Barcode Scanner” → click connect (there will be a “beep” sound when the connection is successful);

⑤ The data can be output in notepad or other text on the device.

Method 2: Scan Setup Code Pairing

Bluetooth Mode

HID Mode

BLE Mode

SPP Mode

HID Mode Pairing Steps:

① Scan Bluetooth “HID Mode” code → Scan HID Mode “Bluetooth Pairing” code (blue light flashing, enter pairing state);

② The device open Bluetooth, search “Barcode Scanner HID” → click 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.

NOTE: If you need to pair 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.

HID Mode Pairing

Bluetooth Pairing / Disconnect
(valid under HID only)

BLE Mode Pairing Steps:
① Scan Bluetooth “BLE Mode” code (blue light flashing, enter pairing state);
② The device open Bluetooth, search “Barcode Scanner BLE” → click connect (there will be a “beep” sound when the connection is successful);

③ Data can be output in notepad or other text on the device.

NOTE: If you need to pair another device, first turn off the original device’s Bluetooth or scan “BLE Mode” code again, and repeat the above pairing process.

SPP Mode Pairing Steps:
① Scan Bluetooth “SPP Mode” code (blue light flashing, enter pairing state);
② The device open Bluetooth, search “Barcode Scanner SPP” → click connect (there will be a “beep” sound when the connection is successful);

③ Data can be output in notepad or other text on the device.

NOTE: If you need to pair another device, first turn off the original device's Bluetooth or scan "SPP Mode" code again, and repeat the above pairing process.

2.4G USB Receiver Pairing Instructions

Method 1: Using Screen Button Pairing

1) Press the middle button to turn on the scanner. Press left button and right button at the same time to enter the setting mode;
2) Press right button to select the “Connection mode” → press middle button OK → select “2.4G” → press middle button OK;
3) Return to SET UP page, select “Enter Pairing Mode” → press middle button OK → YES → Successfully entered pairing state;
4) Connect the USB receiver to the computer USB port within one minute, connection succeeded with "beep" sound.

The data can be output in notepad or other text on the device.

Method 2: Scan Setup Code Pairing

2.4G Mode

Pairing

1) Scan "2.4G Mode" code → Scan "Pairing" code (blue light flashing, enter pairing state)
2) Connect the USB receiver to the computer USB port within one minute, connection succeeded with "beep" sound.
3) Data can be output in notepad or other text on the device.

Keyboard ON or OFF in IOS device

Scan Mode

Manual

Continuous

Auto-sensing

Data Saving Mode

Instant Upload

Automatic Storage (default)

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 data results will be uploaded to the computer instantly.
2) 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 “deep”), 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.
3) 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 to computer by scanning the setting code.

Eg: Scan the “Upload all data” code, the scanner will upload all data saved in the internal memory.

Data Upload Instruction in Inventory Mode

Upload all data

Display all data

Data all delete

Transmission Speed

Fast transmission

Medium spee dtransmission

Low speed transmission

Ultra low speed transmission

Keyboard Caps Lock Control

None

Capitalize

Lower Case

Case Swap

Keyboard Language

USA

French

British

Japanese

German

Italy

Portuguese

Spanish

Vibration Setting

Enable(default)

Disable

Buzzer Setting

ON(default)

OFF

Beep Volume

High(default)

Mid

Low

Sleep Time Setting

1Min

2Min

5Min

10Min

None

End Character

CR

CR&LF

TAB

None

Prefix Setting

Add Prefix

Prefix

Eg: Add prefix "A"
Step 1: Scan above code to enter into “Add prefix”;
Step 2: Scan above 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 "saved” code to save (Refer to Appendix 1).

Suffix Setting


Add Suffix


Suffix

Note: The method of adding the suffix is the sameas the prefix.

Inverted Barcode Setting


Enable


Disable

Barcode Settings

All 1D Barcodes


Enable


Disable

All 2D Barcodes


Enable


Disable

UPCA


Enable(default)


Disable

EAN-13


Enable(default)


Disable

EAN-8


Enable(default)


Disable

Interleaved 25


Enable(default)


Disable

Industrial 25


Enable


Disable(default)

PDF 417


Enable(default)


Disable

DataMatrix


Enable(default)


Disable

QR Code


Enable(default)


Disable

Barcode Conversion

EAN 13 Converts ISSN


Enable


Disable(default)

EAN 13 Converts ISBN


Enable


Disable(default)

UPCA Converts EAN13


Enable


Disable(default)

Additional Code

2-bit Additional Code for UPCA


Enable


Disable(default)

5-bit Additional Code for UPCA


Enable


Disable(default)

2-bit Additional Code for EAN-13


Enable


Disable(default)

5-bit Additional Code for EAN-13


Enable


Disable(default)

2-bit Additional Code for EAN-8


Enable


Disable(default)

5-bit Additional Code for EAN-8


Enable


Disable(default)

2-bit Additional Code for UPC-E1


Enable


Disable(default)

5-bit Additional Code for UPC-E1


Enable


Disable(default)

Data Codes

Appendix 1:


0


1


2


3

4

5

6

7

8

9

A

B

C

D

E

F

Save

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		

	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	

Continue the table below

Continue to the table

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)

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)

For more setting, welcome to contact us for tech support.
Service support: support@obzshop.com

THANK YOU FOR CHOOSING OBZ.