

2.4Ghz Wireless & Bluetooth Barcode Scanner

USER MANUAL

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Packing list

- Barcode scanner*1
- USB Cable*1
- Instruction Manual*1
- Dongle *1

Factory Default & Version



Factory Default



Version

Battery & Charging

The scanner is powered by 2200mAh chargeable battery.

The battery level will be displayed when scanning "Battery Level" barcode.



Battery Level

Charging:

▲ Note:

The Barcode Scanner is suggested to charge with USB 3.0 interface of computer.

Please use Power Adapter with DC 5V 1A.

DO NOT use Power Adapter which is greater than 5V 1A.

DO NOT use for fast charge to avoid damaging the Barcode Scanner.

The battery level is suggested to save 60% - 80% when not in use.

Please power off the Barcode Scanner when fully charged.

Operation Guide

There are three communication modes, which are wired mode, 2.4G wireless mode and Bluetooth mode.

1. Wired Mode

Connecting barcode scanner and computer with USB Cable.

2. 2.4G Wireless Mode - Pairing

2.4G Wireless Mode is used for XP, Win7, Win8, Win10, MAC OS, etc.

Step 1: Scan the setup code below.



Step 1

Step 2: Scan the setup code below.



Step 2

Step 3: Plug in dongle.

3. Bluetooth Mode

Virtual Bluetooth Mode is used for XP, Win7, Win8, Win10, MAC OS, etc.
HID, SPP and BLE are used for Phone, tablet computer, etc.

3.1 HID Mode - Pairing

Step 1: Scan the setup code below.



Step 1

Step 2: Scan the setup code below.



Step 2

Step 3: Find "BarCode Bluetooth HID" in Bluetooth device.

Step 4: Click it to pair.

3.2 SPP Mode - Pairing

Step 1: Scan the setup code below.



Step 1

Step 2: Find "BarCode Bluetooth SPP" in SPP Software.

Step 3: Click it to pair.

3.3 BLE Mode - Pairing

Step 1: Scan the setup code below.



Step 1

Step 2: Find "BarCode Bluetooth BLE" in BLE Software.

Step 3: Click it to pair.

3.4 Special Setting for HID Mode

3.4.1 Press and hold for 8s to enter HID pairing mode



On

Off

3.4.2 HID Virtual Keyboard Settings for IOS System



Show / Hide IOS Keyboard

3.4.3 Show / Hide IOS Keyboard with double click



On

Off

3.4.4 HID Virtual Keyboard Settings for Android System

Please turn on the virtual keyboard in the Android system setting.

3.4.5 Transmission speed under HID mode



Fast

Medium



Slow

Very Slow

4. Scanning Mode



Manual



Continuous



Induction

5. General Settings

5.1 Instant Mode

The data will be transmitted immediately under this mode.



Instant Mode

5.2 Storage Mode

The data will not be transmitted immediately under this mode. It will be stored in the scanner. The data can be uploaded with scanning setup code.



Storage Mode



Upload All Stored Data



Upload Total Records



Clear All Stored Data

5.3 Sound



High



Medium



Low



Mute

5.4 Sound Frequency



2048MHz



2730MHz

5.5 Sleep Timer Setting



30s



1 min



2 mins



5 mins



10 mins



30 mins



Never Sleep



Sleep Immediately

5.6 Data Format



GBK



Unicode

5.7 Keyboard Language Setting



English



German



French



Spanish



Italian



Japanese



Belgian French



Portuguese



Denmark



Written Norwegian



British English



German iOS keyboard



Croatian/Serbian



Swiss German



Brazilian Portuguese



Russian



Swiss French



Dutch



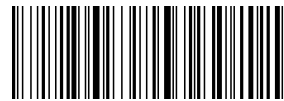
Czech



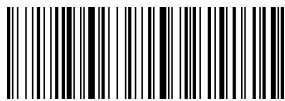
Italy 142



Hungarian



Polish



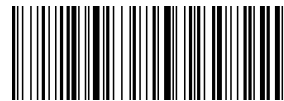
Turkey Q



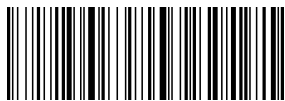
Turkey F



Canadian French



Argentina (Latin American)



Sweden / Finland



Mexican Spanish



Slovak



International keyboard

5.8 Case Setting



Normal



Upper



Lower



Inverse

5.9 GS Replacement

GS is invisible character. It can be replaced with other visible characters.

Step 1: Scan the setup code below.



Custom GS Replacement

Step 2: Scan the new characters from ASCII Character Form.

Example: Replace GS with #.

Step 1: Scan the setup code below.



Custom GS Replacement

Step 2: Scan the setup code of # from ASCII Character Form.



#

5.10 Cancel GS Replacement



Cancel GS Replacement

5.11 Add Custom Prefix

Step 1: Scan the setup code below.



Add Custom Prefix

Step 2: Scan the characters which need to be added from ASCII Character Form.

Example: Add # as prefix.

Step 1: Scan the setup code below.



Add Custom Prefix

Step 2: Scan the setup code of # from ASCII Character Form.



#

5.12 Clear Custom Prefix

Step 1: Scan the setup code below.



Step 1

Step 2: Scan the setup code below.



Step 2

5.13 Add Custom Suffix

Step 1: Scan the setup code below.



Add Custom Suffix

Step 2: Scan the characters which need to be added from ASCII Character Form.

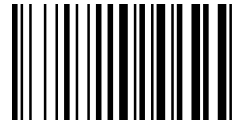
Example: Add # as suffix.

Step 1: Scan the setup code below.



Add Custom Suffix

Step 2: Scan the setup code of # from ASCII Character Form.



#

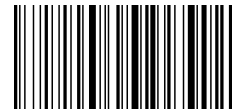
5.14 Clear Custom Suffix

Step 1: Scan the setup code below.



Step 1

Step 2: Scan the setup code below.



Step 2

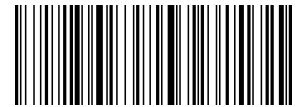
5.15 Hide First or Last Characters

Up to 16 characters can be hidden.

Step 1: Scan "Hide First Characters" or "Hide Last Characters".

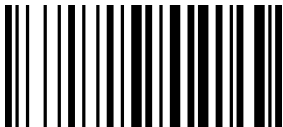


Hide First Characters

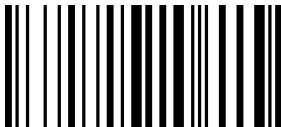


Hide Last Characters

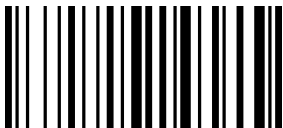
Step 2: Scan Setup codes of 0-16 from ASCII Character Form.



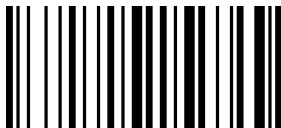
Hide 1 Character



Hide 2 Characters



Hide 3 Characters



Hide 4 Characters

5.16 Do Not Hide Any Characters

Step 1: Scan "Hide First Characters" or "Hide Last Characters".



Hide First Characters



Hide Last Characters

Step 2: Scan the setup code below.



Step 2

5.17 Terminator Setting



CR



LF



CR + LF



HF



NONE

5.18 Character Escaping Setting

Please refer to the "Appendix – Control Character List" for details.



Character Set 0



Character Set 1



Character Set 2



Character Set 3



Character Set 4

6. Barcode Parameter Setting

Code ID



On



Off

AIM ID



On



Off

Inverted Barcode Setting



Scan Normal Barcode



Scan Inverted Barcode



Scan Normal & Inverted Barcode



1D Inverted Barcode On



1D Inverted Barcode Off



2D Inverted Barcode On



2D Inverted Barcode Off

QR URL



On



Off

UPC-A



On



Off

Check Character



On



Off

Leading Character



On



Off

Convert to EAN-13



On



Off

UPC-E



On



Off



UPC-E1 On



UPC-E1 Off

Check Character



On



Off

Leading Character



On



Off

Convert to UPC-A



On



Off

EAN-8/JAN-8



On



Off

Check Character



On



Off

Convert to EAN-13



On



Off

EAN-13/JAN-13



On



Off

Check Character



On



Off

Convert to ISBN



On



Off

ISBN Check Character



On



Off

Convert to ISSN



On



Off

Additional Digits Setting for UPC & EAN & JAN



2 Digits On



2 Digits Off



5 Digits On



5 Digits Off

ISSN



On



Off

Check Character



On



Off

Code 128



On



Off

GS1-128 (UCC/EAN128)



On



Off

ISBT 128



On



Off

Code 39



On



Off

Check Character



MOD 43 Check On



Off



Transmit



Do not Transmit

Start and End Characters



On



Off

Code 39 – Full ASCII



On



Off

Code 32



On



Off

Check Character



On



Off

Code 93



On



Off

Code 11



On



Off

Check Character



1 Check Digit



2 Check Digits



Transmit



Do Not Transmit

Codabar (NW-7)



On



Off

Check Character



Off



MOD 16 Check On



Transmit



Do Not Transmit

Start and End Characters



On



Off

Interleaved 2 of 5



On



Off

Check Character



Off



MOD 10 Check On



Transmit MOD 10 Check



Do not Transmit MOD 10 Check

Matrix 2 of 5



On



Off

Check Character



On



Off



On, Not Transmit



2 Check Digits On



1 MOD 10 & 1 MOD 11 Check
Digits On

Industrial 2 of 5



On



Off



Transmit



Do not Transmit

Standard 2 of 5 (IATA 2 OF 5)



On



Off

Telepen



On



Off

MSI Plessey



On



Off

Telepen Type



Number Only



Number + Letter

Check Character



Off



1 MOD 10 Check Digit On

Febraban



On (ITF25 Type)



Off (ITF25 Type)



On (Code 128 Type)



Off (Code 128 Type)

Check Character



On



Off

GS1 DataBar 14 (RSS-14)



On



Off

GS1 DataBar Limited (RSS-Limited)



On



Off

GS1 DataBar Expanded (RSS-Expanded)



On



Off

GS1 Composite



On



Off

QR Code



On



Off

QR Code Inverted Setting



Normal



Normal + Inverted

Micro QR Code



On



Off

Micro QR Code Inverted Setting



Normal



Normal + Inverted

Data Matrix



On



Off

Data Matrix Rectangle



On



Off

Data Matrix Inverted Setting



Normal



Normal + Inverted

PDF 417



On



Off

Micro PDF 417



On



Off

MaxiCode



On



Off

Aztec Code



On



Off

Aztec Code Inverted Setting



Normal



Normal + Inverted

HanXin Code



On



Off

China Post Code



On



Off

OCR

ID Card OCR



On



Off

Passport OCR



On



Off

Appendix – Control Character List

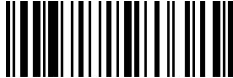
HEX	Decimal	ASCII	character set 0	character set 1	character set 2	character set 3	character set 4
01	01	SOH	NULL	Home	Ctrl+A	Alt+001	Enter on the keypad
02	02	STX	Ctrl+B	End	Ctrl+B	Alt+002	Cap Lock
03	03	ETX	Ctrl+C	Up Arrow	Ctrl+C	Alt+003	Right Arrow
04	04	EOT	NULL	Down Arrow	Ctrl+D	Alt+004	Up Arrow
05	05	ENQ	NULL	Left Arrow	Ctrl+E	Alt+005	NULL
06	06	ACK	NULL	Right Arrow	Ctrl+F	Alt+006	NULL
07	07	BEL	NULL	Shift+Tab	Ctrl+G	Alt+007	Enter

08	08	BS	Back Space	Back Space	Back Space	Alt+008	Left Arrow
09	09	HT	Tab	Tab	Tab	Alt+009	Tab
0A	10	LF	Enter	Enter	Ctrl+P	Alt+010	Down Arrow
0B	11	VT	NULL	NULL	Ctrl+Q	Alt+011	Tab
0C	12	FF	NULL	NULL	Ctrl+R	Alt+012	delete
0D	13	CR	Enter	Enter	Enter	Alt+013	Enter
0E	14	S0	F1	Page Up	Ctrl+N	Alt+014	Insert
0F	15	S1	F2	Page Down	Ctrl+O	Alt+015	Esc
10	16	DLE	F3	F11	Ctrl+P	Alt+016	F11
11	17	DC1	F4	NULL	Ctrl+Q	Alt+017	Home
12	18	DC2	F5	NULL	Ctrl+R	Alt+018	Print Screen
13	19	DC3	F6	NULL	Ctrl+S	Alt+019	Back Space
14	20	DC4	F7	NULL	Ctrl+T	Alt+020	Shift tab
15	21	NAK	F8	F12	Ctrl+U	Alt+021	F12
16	22	SYN	F9	F1	Ctrl+V	Alt+022	F1
17	23	TB	F10	F2	Ctrl+W	Alt+023	F2
18	24	CAN	F11	F3	Ctrl+X	Alt+024	F3
19	25	EM	F12	F4	Ctrl+Y	Alt+025	F4
1A	26	SUB	NULL	F5	Ctrl+Z	Alt+026	F5
1B	27	Esc	Esc	F6	Ctrl+[	Alt+027	F6
1C	28	FS	ALT+028	F7	Ctrl+\	Alt+028	F7
1D	29	GS	ALT+029	F8	Ctrl+]	Alt+029	F8
1E	30	RS	NULL	F9	Ctrl+^	Alt+030	F9
1F	31	US	NULL	F10	Ctrl+_	Alt+031	F10

Appendix - ASCII Character Form

Hexadecimal	ASCII	Character	1D setup code
01	01	SOH	
02	02	STX	
03	03	ETX	
04	04	EOT	
05	05	ENQ	
06	06	ACK	

07	07	BEL	
08	08	BS	
09	09	HT	
0A	10	LF	
0B	11	VT	
0C	12	FF	

0D	13	CR	
0E	14	S0	
0F	15	S1	
10	16	DLE	
11	17	DC1	
12	18	DC2	

13	19	DC3	
14	20	DC4	
15	21	NAK	
16	22	SYN	
17	23	TB	
18	24	CAN	

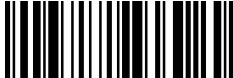
19	25	EM	
1A	26	SUB	
1B	27	Esc	
1C	28	FS	
1D	29	GS	
1E	30	RS	

1F	31	US	
20	32	SP	
21	33	!	
22	34	"	
23	35	#	
24	36	\$	

25	37	%	
26	38	&	
27	39	`	
28	40	(	
29	41	)	
2A	42	*	

2B	43	+	
2C	44	,	
2D	45	-	
2E	46	.	
2F	47	/	
30	48	0	

31	49	1	
32	50	2	
33	51	3	
34	52	4	
35	53	5	
36	54	6	

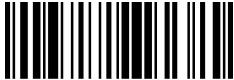
37	55	7	
38	56	8	
39	57	9	
3A	58	:	
3B	59	;	
3C	60	<	

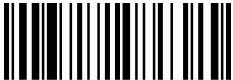
3D	61	=	
3E	62	>	
3F	63	?	
40	64	@	
41	65	A	
42	66	B	

43	67	C	
44	68	D	
45	69	E	
46	70	F	
47	71	G	
48	72	H	

49	73	I	
4A	74	J	
4B	75	K	
4C	76	L	
4D	77	M	
4E	78	N	

4F	79	O	
50	80	P	
51	81	Q	
52	82	R	
53	83	S	
54	84	T	

55	85	U	
56	86	V	
57	87	W	
58	88	X	
59	89	Y	
5A	90	Z	

5B	91	[	
5C	92	\	
5D	93	]	
5E	94	^	
5F	95	_	
60	96	'	

61	97	a	
62	98	b	
63	99	c	
64	100	d	
65	101	e	
66	102	f	

67	103	g	
68	104	h	
69	105	i	
6A	106	j	
6B	107	k	
6C	108	l	

6D	109	m	
6E	110	n	
6F	111	o	
70	112	p	
71	113	q	
72	114	r	

73	115	s	
74	116	t	
75	117	u	
76	118	v	
77	119	w	
78	120	x	

79	121	y	
7A	122	z	
7B	123	{	
7C	124		
7D	125	}	
7E	126	~	

7F	127	DEL	
C7	199	Ç	
E7	231	ç	

FCC Statement

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 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 against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following 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.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.