User Guide

About This User Guide

Disclaimer

Please do not dismantle the product or tear up the seal on it, otherwise we won't provide warranty or replacement service.

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Service information

If you need more technical support, please call us or send us an email. We are happy to serve you.

Revision History

Version	Description	Date
LW-1.10A	Initial version	2017-12-12
LW-1.10E 20：52：52 Jan 24 2018	1. Add small language keyboard setting barcode; 2. The virtual Bluetooth mode setting the barcode; 3. HID search setting the barcode.	2018-02-05
SW:LW-1.10M 17:24:17 Apr 11 2018 Boot: 1.02A	Repair cannot be reconnected automatically	2018-6-30
SW:LW-1.16A 17:40:05 Aug 29 2018 Boot: 1.04A	Fix automatic adaptation	2018-8-30
SW:LW-1.17B 17:13:18 Sep 27 2018 Boot: 1.04A	1, Repair upload menu data 2, Increase the Belgian French keyboard 3, Increase the ending suffix Tab 4,Increase the cast large, lowercase and no conversion case	2018-9-28
SW:LW-1.17D 12:40:19 Nov 06 2018 Boot: 1.04A	Fix bugs, BLE mode sometimes fails	2019-1-5
SW:LW-1.18B.17：27:56 Mar 15 2019 Boot: 1.05A	Modify the settings menu (no need to read the settings and exit settings)	2019-3-29
SW:LW-1.19B 10:23:47 May 20 2019 Boot: 1.05A	Add control character escaping Add more hidden byte number setting code Add UPC-A to EAN-13 Add UPC-E to UPC-A Add UPC/EAN/JAN additional	2019-05-21

	code Add EAN to ISBN Add EAN to ISSN Can support 1D barcode unlimited length setting Add support for reverse barcodes Add codeID Add AIM ID Add Control character escaping Add induction function	
SW:LW-1.19C 16:58:20 Aug 15 2019 Boot: 1.04A	Disconnection will occur at a specific length in the repair BLE mode	2019-10-30
Firmware: F.1.210105 Compiled time:Jan 05 2021,17:35:16. Decrypted time:200730	1. Added Beeper setting on RS232; 2. Added Suffix setting on RS232;	2021-1-7

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1.Product Introduction

This user guide applies to BWM930 which apply the complete set of patent technology developed by our company. The scanners above are of strong identification capability and support automatic continuous scanning mode with fast and flexible scanning speed.

In this chapter, we will introduce the instruction of scanner with pictures, please compare to the scanner you bought when reading this user guide, which is good for your understanding. This chapter applies to regular users, maintenance personnel, and software developers.

1.1 Main feature

* Supports computer, mobile screen scanning
* Easy to operate and master
* Rich decoding types
* Supports invoice function

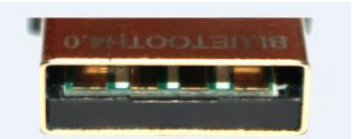
1.2 Unpack your device

After you open the shipping carton containing the product, take the following steps:

- Take the accessories for scanner out from package.
- Check with the packing list to see if everything is complete and in good condition. If there are any damaged or missing components, please keep the original package and contact your supplier for after-sales service.

1.3 Communication port

The scanner must be connected to a host to operate. Host can be a PC, POS machine, intelligent terminal with USB interface.

USB	USB interface on host	

1.4 LED indicator light

Indicator status	Explain
Red light on	Charging
Red light off	No charging
Green light on	No decoding
Green light off	Decode successfully
One blue light on	Pairing successful or connect to USB
Two blue light twinkle alternately	Bluetooth HID pair mode

1.5 Start-up, shutdown, standby and restart

Start-up：Connect host computer with scanner, which will automatically start-up and in working state.

Shutdown：Remove the data cable which is connected with scanner; remove the USB which is connected with host computer;

Restart：If the product crash or no response when pressing button, please restart it.

1.6 Maintenance

* The window must be kept clean, the supplier do not bear the guarantee responsibility due to the improper maintenance.

* Avoid the window being wear and tear or scratched by hard object

* Use the hairbrush to remove the stain on the window

* Clean the window with a soft cloth, such as lens cleaning cloth

* Spraying liquid onto the window is prohibited.

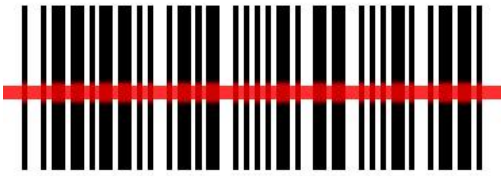
* Prohibit any cleaning solvents, except for the cleaning water.

1.7 Reading skills

If the barcode is small, it should be closer to the scanning window; if the barcode is large, it should be far away from the scanning window a little more, thus easier to be read correctly.

If the barcode is highly reflective (for example, the coated surface), you may need to tilt the barcode at an angle to successfully scan it.

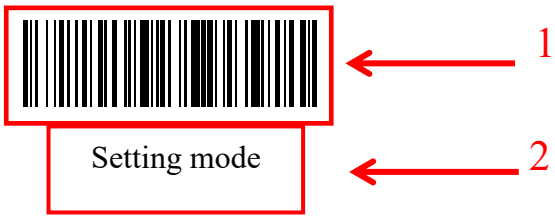
Barcode scanning example：



2.Basic barcode setting

This product is mainly used to set options and functions by reading a series of special barcodes,in this chapter,we'll detail the options and features available to users and provide the corresponding setup code.This method of setting up scanning is relatively straightforward and easy to understand, and is convenient for the user to operate.

2.1 Mark setting



This is the mark for setting up the barcode function of the mode.The mark consists of two parts:

1.Barcode section of setting code

2.Set the name of the option or function, such as the set function.

2.2 Basic barcode setting

2.2.1 Paired receiver

A: Short press the key to start the scanner, and the green indicator will be on after successful startup

B: Scan the bar code below to "enter pairing status". After successfully entering the pairing mode, the Bluetooth indicator will flash



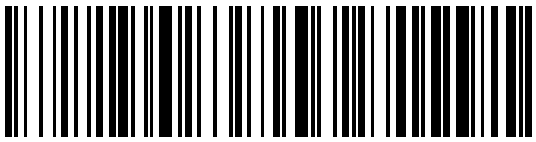
Enter pairing status

C: Connect the receiver to the computer or other devices, and the buzzer "beeps" once the pairing is successful, and the blue indicator light is always on

2.2.2 Real-time mode

In real-time mode, the scanned data is transmitted directly to the computer via wired or wireless,Aaer the transmission is successful, the scanner will emit a low-frequency short tone and the green indicator will flash once.

If the transmission fails, three low-frequency short tones are issued to warn, and the green light flashes three times.



Enter real-time mode (Default)

2.2.3 Warehousing mode

If the scanner works beyond the wireless transmission range, the storage mode is recommended.In warehousing mode, the scanned data is stored in the scanner's internal storage.

In the storage mode, after scanning a bar code, the scanner will emit a short tone (the frequency is low first and then high).At the same time, the green light flashes once and the scanned bar code is automatically stored in the scanner.



Enter warehousing mode

View the number of barcodes stored in the warehouse by scanning the “Show Total Storage Items” barcode.



Display total warehouse entries

Upload warehousing data by scanning the “Data Upload” barcode,barcodes stored in the scanner after data upload are not automatically deleted.The user uploads the warehousing data multiple times by scanning the "data upload".



Data upload

Note: Please try to ensure that the wireless signal connection is good when uploading data,or upload with the data cable connected.

Clear barcode data in the warehouse by scanning the “Clear Warehousing Data” barcode.After the barcode is cleared, it will not be uploaded again. Please confirm whether the data has been uploaded before clearing.



Clear warehousing data

2.2.4 Initialization setting

If you accidentally scan other function setting codes during use, resulting in the scanning function not working properly, you can restore the initialization status by scanning the initialization bar code.



Restore factory settings

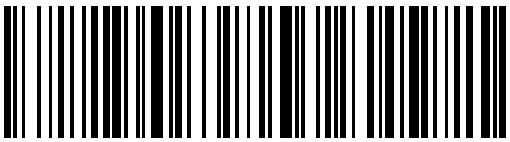
2.2.5 Read version information



Read version information

2.2.6 Sleep time setting

Select sleep time interval barcode



Sleep time 30S (Default)



Sleep time 1 minutes



Sleep time 5 minutes



Sleep time 10 minutes



Sleep time 30 minutes



Never sleep



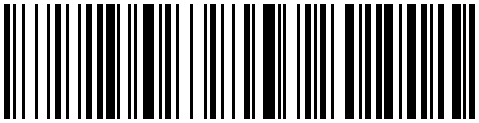
Sleep immediately



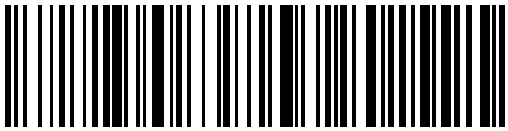
Display battery

2.3 Volume setting

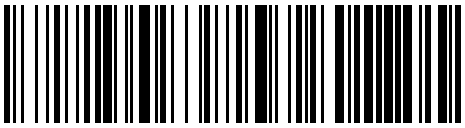
2.3.1 Volume setting



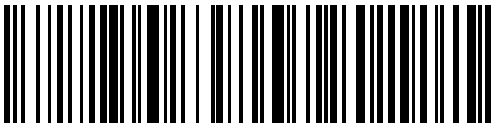
Low volume



Mute

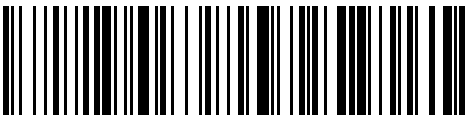


High volume（Default）

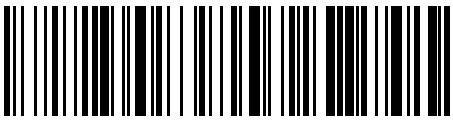


Middle volume

2.3.2 Buzzer frequency setting



2K



2.7K（Default）

2.4 Language setting

Select the required language keyboard



English (default)



German



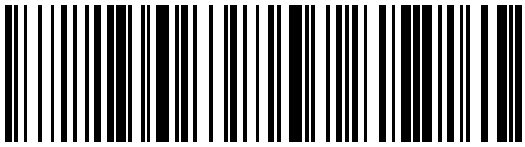
French



Spanish



Italian



Japanese



French(Belgian)



International General Keyboard

2.5 Transmission speed setting

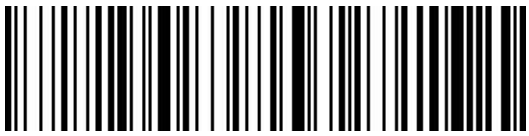
Select the required transmission speed (speed selection is related to reading barcode);



Fast transmission



Medium speed transmission (Recommended for use in IOS system Bluetooth mode)



Low speed transmission (Recommended for Bluetooth mode in Android)



Ultra low speed transmission (Recommended test mode used)

2.6 Suffix setting

Select the end you want to add;



<Data> <CR>



<Data> <CR>



<Data> <CR> <LF>(default)



<Data> <TAB>



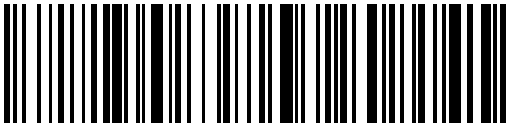
Not suffix

2.7 Add user-defined prefix/suffix

Method of adding prefix and suffix:First scan to add prefix or suffix, then scan the corresponding barcode (see appendix), up to 32 bytes.



Add prefix



Add suffix

2.8 Hide user-defined prefix/suffix

Method of hiding prefixes and suffixes:First scan the hidden prefix or suffix, then scan the hidden bits, hiding up to 16 bytes.



Hidden barcode prefix



Hidden barcode suffix



Hide 1 bit



Hide 2 bits



Hide 3 bits



Hide 4 bits



Hide 5 bits



Hide 6 bits



Hide 7 bits



Hide 8 bits



Hide 9 bits



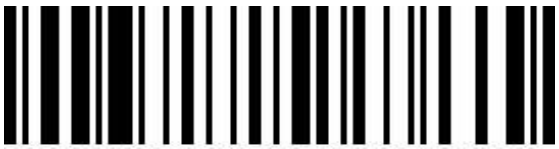
Hide 10 bits



Hide 11 bits



Hide 12 bits



Hide 13 bits



Hide 14 bits



Hide 15 bits

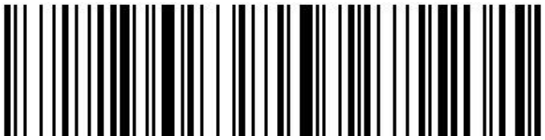


Hide 16 bits

2.9 Control character escape



Enable control character escape



Disable control character escape（Default）

2.10 GS Character barcode setting



Enable GS ,FS symbol to convert to |



Disable GS symbol to | (Default)

2.11 USB Keyboard case output control



Force conversion to uppercase



Force conversion to lowercase



Case interchange



No case conversion (Default)

2.12 Reset defaults



Recall Default



Read the Version Number

3. Function mode settings

This chapter can configure the function mode of the equipment, including the working mode (such as image whitening), aimer setting, lighting configuration, LED indicator setting and speaker setting, etc. you only need to scan the corresponding configuration code according to the requirements

3.1 Scan mode



Manual trigger mode（Default）



Auto scan mode

The sensitivity of automatic scanning mode is 15 levels, 1 is the highest, 15 is the lowest, b67a6x, X represents the level（B67A61-B67A615）

B67A61

B67A64

The reread delay time can be set as 1-127 (minimum 1, maximum 127)

The "^ 3" character should be added before making the configuration barcode,

such as: ^ 37efd6x (X represents the interval time of the same barcode, 1 represents 50ms,

127 represents 127 * 50ms).

Please use CODE 128 to make the configuration if you need. 7efd6x, x represents (7efd61 - 7efd6127)

7EFD61

50ms

7EFD62

100ms

7EFD63

150ms

7EFD64

200ms

7EFD65

250ms

7EFD66

300ms

3.2 Symbologies


FFFEFD

Enable all symbologies


FFFEFC

Disable all symbologies


FFFEFB

Enable all 1D symbologies


FFFEFA

Disable all 1D symbologies


FFFEF9

Enable all 2D symbologies


FFFEF8

Disable all 2D symbologies

3.3 QR -Mirror Code


A86761

Enable


A86760

Disable（Default）

3.4 DATAMATRIX mirror


A7F7D1
Enable


A6D870
Disable（Default）

3.5 Inverse Barcode


VIDREV0

Decode regular code only(Default)


VIDREV1
Decode inverse code only


VIDREV2
Decode both regular and inverse code

3.6 LED


B66771
Aimer Enable（Default）


B66770
Aimer Disable


B66781
Light Enable（Default）


B66780
Disable Illumination



B66890

Enable Illumination（Default）



B66891

Led indicator light reversed



B66892

Led indicator light always off



B66893

Led indicator light always on

3.7 Beeper



B667D0

Beeper On（Default）



B667D1

Beeper Off

3.8 Beeper- Duration



7EA7A0

Normal



7EA7A1

Short



7EB9B7

2.7KHz


7EB9B6
1.6KHz


7EB9B5
2.0KHz


7EB9B4
2.4KHz


7EB9B3
3.1KHz


7EB9B2
3.5KHz


7EB9B1
5.2KHz


7EB9B0
Mute

3.9 Test Mode

After configured to test mode, the device automatically triggers decoding once every second.


FFFFFC
Enable blink test mode


FFFFFD
Disable blink test mode（Default）

3.10 Three level lighting setting



ADC960
Level 1



ADC961
Level 2



ADC962
Level 3

3.11 Code reading timeout



B6AE620
30s



B6AE640
60s



B6AE680
120s



B6AE6120
180s



B6AE6160
240s



B6AE6200
300s

4. Output setting

4.1 About output setting

In this chapter, you can configure the output of the device, including carriage return / line feed, set the length of barcode, remove the number of digits of barcode (start / end removal). You only need to scan the corresponding configuration code according to the requirements.

4.1.1 Hide barcode data from start / end

Hide barcode data from start“^3B68E6X”（X is the number of data hiding，1 represents that hide one data, 2 represents that hide one data, 0 represents normal output. Users can configure it by themselves）


B68E61
Hide 1 data from the start

Hide barcode data from end“^3B88E6X”（X is the number of data hiding，1 represents that hide one data, 2 represents that hide one data, 0 represents normal output. Users can configure it by themselves）


A88E61
Hide 1 data from the end

4.1.2 Set barcode length

The length of the barcode can be set to 1-255 (the minimum length is 1 and the maximum length is 255). When making the configure barcode, the "^ 3" character should be added in front of it. For example: ^ 367ee6x (X represents the length of the barcode), please use CODE 128 to make the configure barcode


67EE61
1 length


67EE6255
255 length


67FE60
Barcode length lock

4.1.3 Extra code setting


6787D1

Enable 2 extra code


6787D0
Disable 2 extra code(Default)


6787C1
Enable 5 extra code


6787C0
Disable 5 extra code(Default)


678791
Enable all UPC/EAN with extra code


678790
Disable all UPC/EAN with extra code（Default）

4.1.4 Keyboard layout


7C8A60
Belgium


7C8A61
English



7C8A62

French



7C8A63

German



7C8A64

Italian



7C8A65

Spanish



7C8A66

America



7C8A68

Singapore



7C8A69

El Salvador



7C8A610

Japan



7C8A611

Sierra Leone



7C8A612

Turkey

7C8A613
Russia

7C8A614
Hungary

7C8A615
Russian (Russia)

A69E616
Thai

5. Symbologies

About Symbologies

This chapter can configure the barcode Symbologies of the scanner, including UPC / EAN, CodeBar code, code39, full ASCII code39, interleaved 2 of 5, code93, UPC-A, GS1 DataBar omnidirectional, GS1 DataBar expanded, PDF417, QR code, Hong Kong 2 of 5 (China Post) and airline 2 of 5 You only need to scan the corresponding configuration code according to the requirements.

Symbologies

5.1 Airline 2 of 5

6667A1
Enable

6667A0
Disable(Default)

5.2 Aztec Code

66C761

Enable

66C760

Disable(Default)

66C771

Enable inverse Aztec

66C770

Disable inverse Aztec(Default)

5.3 Codabar

6677A1

Enable（Default）

6677A0

Disable

9EF882

Not check（Default）

9EF880

Enable check and transmit check bit

6DD7D1

Output start bit and end bit



Not output start bit and end bit（Default）



Normal barcode



Normal and inverse

5.4 Codablock A



Enable



Disable(Default)

5.5 Codablock F



Enable

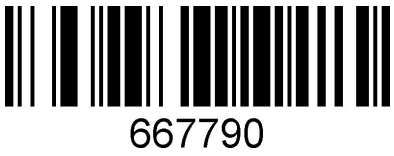


Disable(Default)

5.6 Code 128



Enable（Default）



Disable

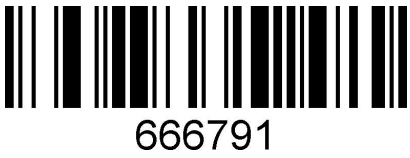


Normal baroce



Normal and inverse

5.7 Code 11



Enable



Disable(Default)



1 Check bit（Default）



2 Check bits



Transmit check bit



Not transmit check bit（Default)

5.8 Code 32



6687B1

Enable



6687B0

Disable(default)

5.9 Code 39



667771

Enable（Default）



667770

Disable



9F6862

Enable check



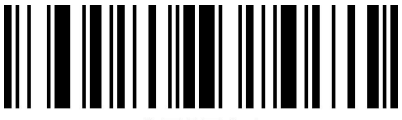
9F6860

Not check（Default)



9F6861

Enable check and transmit check bit



9F6781

Output strat bit and end bit

9F6780

Not output strat bit and end bit （Default）

A88880

Normal baroce

A88881

Normal and inverse

5.10 Code 39

667781

Enable

667780

Disable(Default)

A88860

Normal baroce

A88861

Normal and inverse

5.11 Composite

A66761

Enable



Disable(Default)

5.12 Data Matrix Code



Enable（Default）



Disable



Enable inverse DM code



Disable inverse DM code（Default）

5.13 DOT_CODE



Enable



Disable(Default)

5.14 EAN/UPC


6677C1

Enable（Default）


6677C0

Disable


A87860

Normal baroce


A87861

Normal and inverse

5.15 EAN-8


6687A1

Enable（Default）


6687A0

Disable


6DF761

Output EAN-8 check bit（Default）


6DF760

Not output EAN-8 check bit



EAN-8 to EAN-13

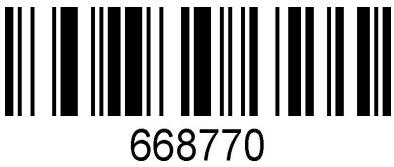


Disable EAN-8 to EAN-13(Default)

5.16 EAN-13



Enable（Default）



Disable



Output EAN-13 check bit（Default）



Not output EAN-13 check bit

5.17 Full ASCII Code39



Enable



Disable(Default)

5.18 GS1 DataBar Expanded



Enable



Disable(Default)

5.19 GS1 DataBar Limited



Enable



Disable(Default)

5.20 GS1 DataBar Omnidirectional



Enable



Disable(Default)

5.21 HANXIN



Enable



Disable(Default)

5.22 Hong Kong 2 of 5(China post)


6697C1

Enable


6697C0

Disable(Default)

Notice: When reading a postal, all other postal need close.

5.23 Interleaved 2 of 5


6677B1

Enable


9EF862

Enable check


9EF860

Not check（Default）


9EF861

Enable check and transmit check bit


A888A0

Normal baroce


A888A1

Normal and inverse

5.24 Matrix 2 of 5



Enable



Disable(Default)



66B7D0

Enable Matrix 2 of 5 check bit



66B7D1

Disable Matrix 2 of 5 check bit



6DE781

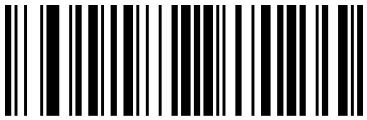
Output Matrix 2 of 5 check bit



6DE780

Not output Matrix 2 of 5 check bit（Default）

5.25 Maxicode



66C7A1

Enable



66C7A0

Disable(Default)

5.26 Micro PDF417



66A7D1

Enable



66A7D0

Disable(Default)

5.27 Micro QR Code



Enable



Disable(default)

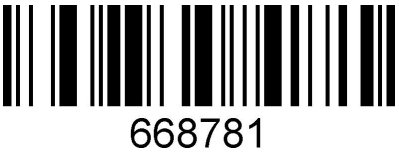


Enable Inverse mico QR

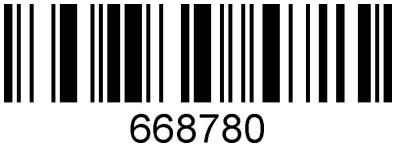


Disable inverse mico QR (Default)

5.28 MSI

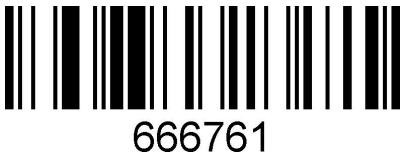


Enable



Disable(Default)

5.29 PDF417



Enable（Default）



Disable



Normal baroce



Normal and inverse

5.30 Pharmacode



Enable



Disable(Default)

5.31 QR Code



Enable（Default）



Disable



Enable inverse QR



Disable inverse QR(Default)

A6E760

Enable QR code URL link（Default）

A6E761

Disable QR code URL link

5.32 RSS-14

66A791

Enable

66A790

Disable(Default)

5.33 RSS-LIMITED

66A7A1

Enable

66A7A0

Disable(Default)

5.34 RSS-EXPANDED

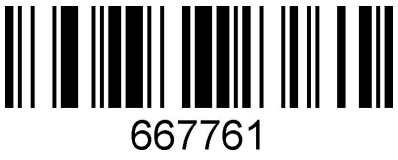
66A7B1

Enable

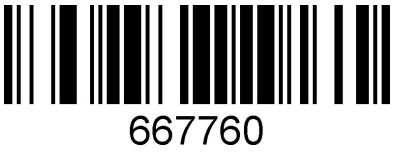
66A7B0

Disable(Default)

5.35 Straight 2 of 5 Industrial



Enable



Disable(Default)

5.36 Telepen

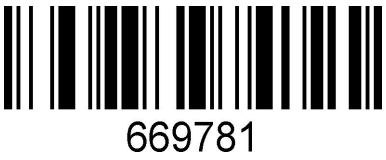


Enable

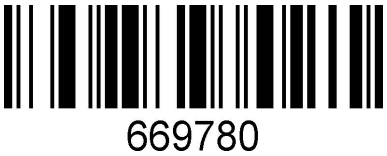


Disable(Default)

5.37 Trioptic Code



Enable



Disable(Default)

5.38 UPC-A



Enable（Default）



Disable

6DB7D1

Transmit UPC-A check bit（Default）

6DB7D0

UPC-A not output check bit

6DB771

Output UPC-A digital system character（Default）

6DB770

Not output UPC-A digital system character

6DB7A1

Convert UPC-A to EAN-13

6DB7A0

UPC-A not convert to EAN-13（Default）

5.39 UPC-E

668761

Enable（Default）

668760

Disable



Don’t transmit UPC-E check digit（Default）



Transmit UPC-E check digit



UPC-E do not output header characters（Default）



UPC-E output header characters



UPC-E extend to 12 bits



Disable UPC-E extend to 12 bits（Default）

6. Special function configuration (example)

6.1 Programming mode:

Bar code length locking configuration (support up to 6 bar code type length locking)

Add a single bar code type length lock configuration process:

Example 1

The length of code 128 is 10, and the byte value of code 128 is 083 by looking up the barcode type table.

1. Scan "enter / exit programming mode" to put the device into programming mode.
2. Scan "configure barcode type 1 length".
3. Scan bytecode values "0", "1", "0" in turn.
4. Scan "configure barcode type 1 byte value".
5. Scan byte code values "0", "8" and "3" in turn.
6. Scan "enter / exit programming mode".

Add length lock for multiple barcode types:

Example 2

1. Scan "enter / exit programming mode" to put the device into programming mode.
2. Scan "configure barcode type 1 length".
3. Scan bytecode values in turn.
4. Scan "configure barcode type 1 byte value".
5. Scan bytecode value in turn.
6. Scan "configure barcode type 2 length".
7. Scan bytecode values in turn.
8. Scan "configure barcode type 2 byte value".
9. Scan bytecode values in turn.
10. Scan enter / exit programming mode.
11.



Enter / exit programming mode



Configure barcode type 1 length



Configure barcode type 1 byte value



Configure barcode type 2 length



Configure barcode type 2 byte value



Configure barcode type 3 length



Configure barcode type 3 byte value



Configure barcode type 4 length



Configure barcode type 4 byte value



Configure barcode type 5 length



Configure barcode type 5 byte value

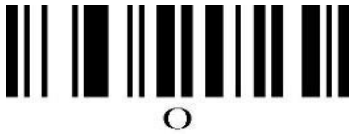


Configure barcode type 6 length



Configure barcode type 6 byte value

Bytecode value (decimal)





















6.2 Bar code type table

Barcode byte value	Barcode Type
002	UPC-E
003	EAN-8
004	UPC-A
005	EAN-13
080	CODE 39
081	CODABAR
082	INTERLEAVED 2 OF 5
083	CODE 128
084	CODE 93
091	MSI
092	CODE 11
093	AIRLINE 2 OF 5
094	MATRIX 2 OF 5
095	TELEPEN
096	UK PLESSEY
097	AIRLINE(13 DIGITS)
098	STANDARD 2 OF 5
099	TRIOPTIC
101	RSS14
102	RSS LIMIT
103	RSS EXT
104	PDF417
105	MICRO PDF417
106	DATA MATRIX
107	AZTEC
108	QR
109	MAXICODE

6.3 Add prefix / suffix (up to 10 characters can be added respectively)

Add prefix process:

Example 1, add a byte prefix, the character is "", and the corresponding ASCII decimal number is 040.

1. Scan "enter / exit programming mode" to put the device into programming mode.
2. Scan "configuration prefix 1st byte".
3. Scan bytecode values "0", "4", "0" in turn.
4. Scan "enter / exit programming mode".

Add suffix process:

Example 2, add a suffix of byte, the character is ")", and the corresponding ASCII decimal number is 041.

1. Scan "enter / exit programming mode" to put the device into programming mode.
2. Scan "configuration suffix 1st byte".
3. Scan bytecode values "0", "4", "1" in turn.
4. Scan "enter / exit programming mode".

Add multiple byte prefix:

Example 3, add multiple byte prefixes

1. Scan "enter / exit programming mode" to put the device into programming mode.
2. Scan "configuration prefix 1st byte".
3. Scan the first byte code value in turn.
4. Scan "configuration prefix 2nd byte".
5. Scan the second byte code value in turn.
6. Repeat steps 4 and 5
7. Scan "enter / exit programming mode".

Add multiple byte suffix:

Similar to adding multiple prefixes.

Clear all prefixes:

Scan the clear all prefixes barcode.

Clear all suffixes:

Scan the clear all prefixes barcode.



Enter / exit programming mode



69BF60

Configuration prefix 1st byte



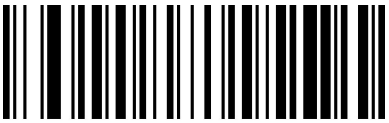
69CF60

Configuration prefix 2nd byte



69DF60

Configuration prefix 3rd byte



69EF60

Configuration prefix 4th byte



69FF60

Configuration prefix 5th byte



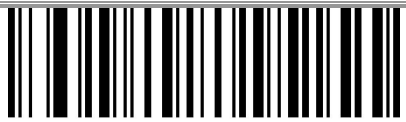
6A6F60

Configuration prefix 6th byte



6A7F60

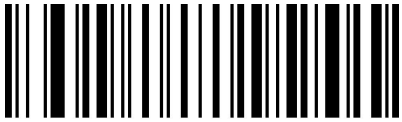
Configuration prefix 7th byte



Configuration prefix 8th byte



Configuration prefix 4th byte



Configuration prefix 10th byte



Clean all prefix



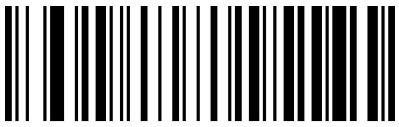
Configuration suffix 1st byte



Configuration suffix 2nd byte

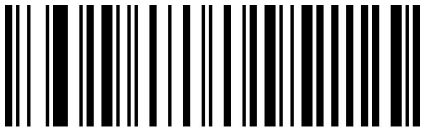


Configuration suffix 3rd byte



6AEF60

Configuration suffix 4th byte



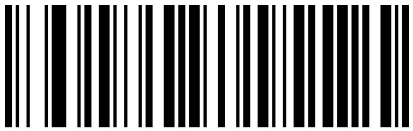
6AFF60

Configuration suffix 5th byte



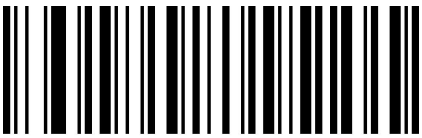
6B7F60

Configuration suffix 6th byte



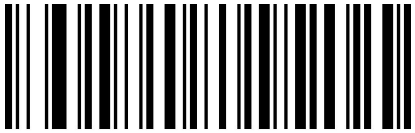
6B7F60

Configuration suffix 7th byte



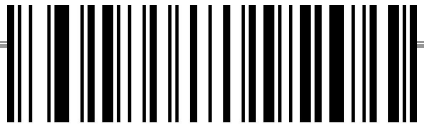
6B8F60

Configuration suffix 8th byte



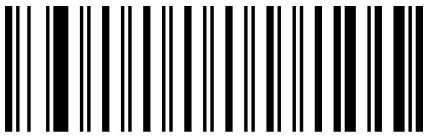
6B9F60

Configuration suffix 8th byte



6BAF60

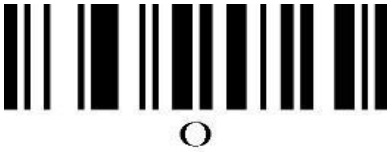
Configuration suffix 10th byte



FFFFEA

Clear all suffix

Bytecode value (decimal)



0



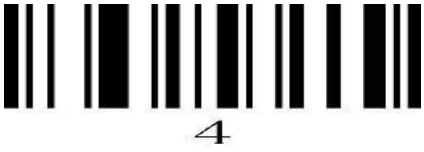
1



2



3

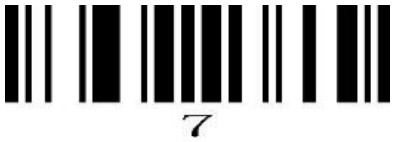


4



5


6


7


8


9

6.4 Attached: ASCII code table

Decimal	Character	Decimal	Character	Decimal	Character	Decimal	Character
000	NUL	032	SP	064	@	096	‘
001	SOH	033	!	065	A	097	a
002	STX	034	"	066	B	098	b
003	ETX	035	#	067	C	099	c
004	EOT	036	$	068	D	100	d
005	ENQ	037	%	069	E	101	e
006	ACK	038	&	070	F	102	f
007	BEL	039	`	071	G	103	g
008	BS	040	(	072	H	104	h
009	HT	041	)	073	I	105	i
010	LF	042	*	074	J	106	j
011	VT	043	+	075	K	107	k
012	FF	044	,	076	L	108	l
013	CR	045	-	077	M	109	m
014	SOH	046	.	078	N	110	n
015	SI	047	/	079	O	111	o
016	DLE	048	0	080	P	112	p
017	DC1	049	1	081	Q	113	q
018	DC2	050	2	082	R	114	r
019	DC3	051	3	083	S	115	s
020	DC4	052	4	084	T	116	t
021	NAK	053	5	085	U	117	u

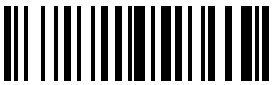
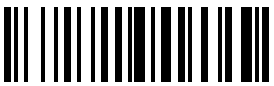
022	SYN	054	6	086	V	118	v
023	ETB	055	7	087	W	119	w
024	CAN	056	8	088	X	120	x
025	EM	057	9	089	Y	121	y
026	SUB	058	:	090	Z	122	z
027	ESC	059	;	091	[	123	{
028	FS	060	<	092	\	124	|
029	GS	061	=	093	]	125	}
030	RS	062	>	094	^	126	~
031	US	063	?	095	_	127	DEL

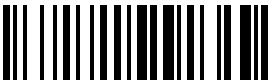
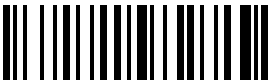
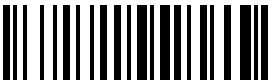
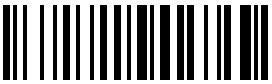
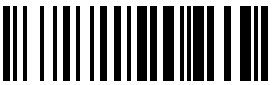
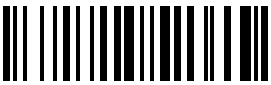
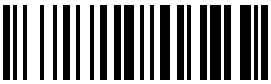
Appendix 1 Prefix/Suffix Characters Table

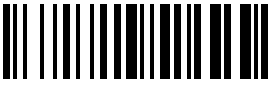
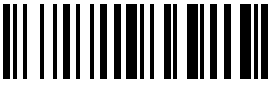
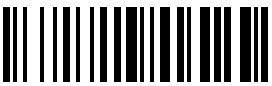
Serial No.	Control character	Control character	Set barcode	Serial No.	Control characte	Control character	Set barcode
1	Insert	Ctrl+A		17	Directio n key↑	Ctrl+Q	
2	Home	Ctrl+B		18	Directio n key ↓	Ctrl+R	
3	End	Ctrl+C		19	Directio n key ←	Ctrl+S	
4	Delete	Ctrl+D		20	Directio n key →	Ctrl+T	
5	PageUp	Ctrl+E		21	F12	Ctrl+U	
6	PageDow n	Ctrl+F		22	F1	Ctrl+V	
7	ESC	Ctrl+G		23	F2	Ctrl+W	
8	Backspac e	Ctrl+H		24	F3	Ctrl+X	
9	Tab	Ctrl+I		25	F4	Ctrl+Y	
10	Enter	Enter		26	F5	Ctrl+Z	
11	Caps Lock	Ctrl+K		27	F6	Ctrl+[	
12	Print Screen	Ctrl+L		28	**FS**	Ctrl+\	
13	Enter	Ctrl+M		29	**GS**	Ctrl+]	

14	F7	Ctrl+N		30	**F9**	Ctrl+^	
15	F8	Ctrl+O		31	**F10**	Ctrl+_	
16	F11	Ctrl+P					

Appendix2 Prefix/Suffix Visible Characters Table

Serial No.	Visible character	Set barcode	Serial No.	Visible characters	Set barcode
32	Blank space		44	,	
33	!		45	-	
34	"		46	.	
35	#		47	/	
36	$		48	0	
37	%		49	1	
38	&		50	2	
39	'		51	3	
40	(		52	4	
41	)		53	5	
42	*		54	6	
43	+		55	7	

56	**8**		70	**F**	
57	**9**		71	**G**	
58	**:**		72	**H**	
59	**;**		73	**I**	
60	**<**		74	**J**	
61	**=**		75	**K**	
62	**>**		76	**L**	
63	**?**		77	**M**	
64	**@**		78	**N**	
65	**A**		79	**O**	
66	**B**		80	**P**	
67	**C**		81	**Q**	
68	**D**		82	**R**	
69	**E**		83	**S**	

84	**T**		98	**b**	
85	**U**		99	**c**	
86	**V**		100	**d**	
87	**W**		101	**e**	
88	**X**		102	**f**	
89	**Y**		103	**g**	
90	**Z**		104	**h**	
91	**[**		105	**i**	
92	\		106	**j**	
93	**]**		107	**k**	
94	^		108	**l**	
95	_		109	**m**	
96	`		110	**n**	
97	**a**		111	**o**	

112	**p**		120	**x**	
113	**q**		121	**y**	
114	**r**		122	**z**	
115	**s**		123	**{**	
116	**t**		124	|	
117	**u**		125	**}**	
118	**v**		126	~	
119	**w**		127	**DEL**	

Some Feature Configuration Instructions And Examples

Barcode length limit configuration example

When configuring the barcode minimum length limit, you must ensure that the configured minimum length is not greater than the current maximum length configuration,otherwise, errors will be prompted.Similarly, when configuring the barcode maximum length limit, you must also ensure that the maximum length of the configuration is not less than the current minimum length configuration.

Example 2.1: Configuring Code 128 barcode length is 4-12 bits

Scan configuration code Code 128 **minimum length limit**,then scan the appendix data and edit the 4 in the barcode, **save**;

Configure Interleaved 2 of 5 barcode length 14 bits to directly scan the quick configuration barcode ITF25 14-bit length configuration,or configure it with the maximum and minimum length of barcodes:

Scan configuration code **Interleaved 2 of 5 minimum length limit**,then scan the appendix data and edit the 1,4 in the barcode, **save**;

Scan configuration code **Interleaved 2 of 5 maximum length limit**,then scan the appendix data and edit the 1,4 in the barcode, **save;**That is, the configuration is completed.

Example 2.3: Configuring Code 39 barcode length to any length supported

Scan configuration code **Code 39 minimum length limit**,then scan the appendix data and edit the 0 in the barcode, **save**;

Scan configuration code **Code 39 maximum length limit**,then scan the appendix data and edit the 0 in the barcode, **save;**That is, the configuration is completed.