

Bluetooth Barcode Scanner 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.

The pictures in this user guide are for reference only. If there are any pictures which not match the actual product, please take actual products as the standard. Updated information is subject to change without notice.

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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.

Version record

Version number	Version description	Version 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; 1、 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	2019-05-21

	<p>Add UPC/EAN/JAN additional code</p> <p>Add EAN to ISBN</p> <p>Add EAN to ISSN</p> <p>Can support 1D barcode unlimited length setting</p> <p>Add support for reverse barcodes</p> <p>Add codeID</p> <p>Add AIM ID</p> <p>Add Control character escaping</p> <p>Add induction function</p>	
<p>SW:LW-1.19C 16:58:20 Aug 15 2019</p> <p>Boot: 1.04A</p>	<p>Disconnection will occur at a specific length in the repair BLE mode</p>	<p>2019-10-30</p>

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1.Product Introduction

This user guide applies to P2000 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:

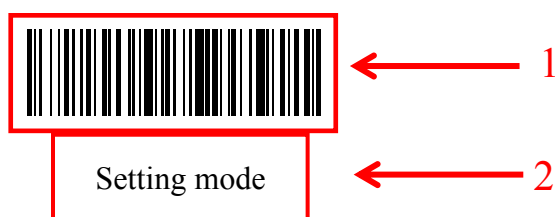


1. System setting

This model of laser desktop barcode scanner is designed to change settings by reading some special barcode, which we will give you a detailed introduction and show you all the barcodes for the corresponding setting in this section.

The greatest advantage of this setting method is direct, intelligible and user friendly.

2.1 Mark Setting



This is the mark for setting up the barcode function of the mode.

1. The mark consists of two parts;
2. Barcode Section of Setting Code;
3. Set the name of an option or function, such as the function of the setup mod.

2.2 Basic barcode setting

2.2.1 Bluetooth virtual mode

A: Press the button to start the scanner. After the startup is successful, the green indicator light is always on;

B: Scan the Bluetooth Virtual Mode barcode below



Bluetooth Virtual Mode

C: Scan the bar code below to Enter pairing status. After successfully entering the virtual pairing mode, the right blue LED will flash.



Enter Pairing Status

D:Connect the receiver to a computer or other device. After the pairing is successful, the buzzer will beep and the blue light on the right will be on.

2.2.2 Bluetooth HID Mode:Match with Android, iOS mobile phone or PC

Method 1: Manually enter the Bluetooth HID mode

A:Press the button to start the scanner. After the startup is successful, the green indicator light is always on;

B:Long press the button for 8 seconds,enter Bluetooth HID pairing mode,After successfully entering the HID pairing mode, the buzzer will sound “deep” and the blue indicators on the left and right sides will flash alternately;

C: Turn on Bluetooth on the receiving device and search for "Barcode Scanner HID";

D: Click on the Bluetooth device "Barcode Scanner HID" to pair;

E:After the pairing is successful, the buzzer will “deep” once and the blue indicator on the left will be on.

Method 2: Scan into Bluetooth HID mode

A:Press the button to start the scanner. After the startup is successful, the green indicator light is always on.

B: Scan the "Bluetooth HID Mode" barcode below



Bluetooth HID Mode (Default)

C: Scan the barcode below to enter the pairing status,after successfully entering the HID pairing mode, the blue indicator flashes alternately after the buzzer “deep”.



Enter Pairing Status

D: Turn on Bluetooth on the receiving device and search for "Barcode Scanner HID";

E: Click on the Bluetooth device "Barcode Scanner HID" to pair;

F:After the pairing is successful, the buzzer will “deep” once and the blue indicator on the left will be on.

2.2.3 Bluetooth SPP mode:Android device or PC-side enterprise or private customized Bluetooth serial port software

A:Press the button to start the scanner. After the startup is successful, the green indicator light is always on;

B: Scan the “Bluetooth SPP Mode” barcode below. After successfully entering the Bluetooth SPP mode, the blue light on the left will flash.



Bluetooth SPP Mode

C: Turn on Bluetooth in the receiving device and search for "Barcode Scanner SPP";

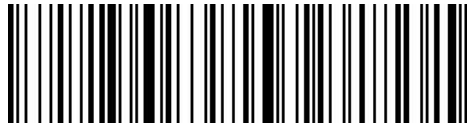
D: Click on the Bluetooth device "Barcode Scanner SPP" to pair;

E:After the pairing is successful, the buzzer will “deep” once and the blue indicator on the left will be on;

2.2.4 Bluetooth BLE mode:IOS device enterprise or private customized

A:Press the button to start the scanner. After the startup is successful, the green indicator light is always on.

B: Scan the following “Bluetooth BLE Mode” barcode; successfully enter the Bluetooth BLE mode, the blue LEDs on both the left and right sides flash at the same time.



Bluetooth BLE Mode

C: Open Bluetooth in the receiving device and search for Barcode Scanner BLE;

D: Click on the Bluetooth device "Barcode Scanner BLE" to pair;

E: After the pairing is successful, the buzzer will “beep” once, and the blue LEDs on both the left and right sides will be on at the same time;

2.2.5 Bluetooth personality setting

Choose the personalized bar code you need (please operate carefully before you read the following instructions, thank you);

How to set the Bluetooth name: first scan the Bluetooth name barcode, then scan a barcode.

This barcode will be set to the name of the Bluetooth.

Note: a) The name can only be set up to 16 bytes,if the name barcode exceeds 16 bytes, the scanner only takes the first 16 bytes as the Bluetooth name.

b)The full Bluetooth name includes:Bluetooth Name + Protocol Type,only Bluetooth name modification is supported.After modifying the Bluetooth name, the names of all Bluetooth protocols have changed.

For example: If the Bluetooth name is set to: Scanner, the name of the Bluetooth HID is: Scanner HID, The name of the SPP is: ScannerSPP, and the name of the BLE is: ScannerBLE;



Set The Bluetooth Name

Query current Bluetooth name:



Read Bluetooth Name

The following barcodes will take effect in any mode:



Long Presses To Enter BTH HID Search



Disable Long Press Enter Bluetooth HID Search

Note: When the Bluetooth HID connection is successful and the keyboard is English, double-click can pop up/hide the keyboard. (Effective in IOS system)



Keyboard Pop-Up/Hide In Bluetooth HID Mode



Close Button Double-Click On The Keyboard To Pop/Hide



Open The Button And Double-Click The Keyboard To Pop/Hide (Default)

2.2.6 Real-time mode

In real-time mode, the scanned data is transmitted directly to the computer via wired or wireless,if 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)

2.2.7 Warehousing mode

If the scanner works beyond the wireless transmission range, the storage mode is recommended.In storage 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.

If the internal memory is full, the scanner will emit 3 low-frequency short tones and the green light will flash 3 times.



Enter Storage Mode

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



Display Total Storage Entries

Upload storage data by scanning the “Data Upload” barcode, barcodes stored in the scanner after data upload are not automatically deleted. The user uploads the storage 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 all stored Data” barcode. After the barcode is cleared, it will not be uploaded again. Please confirm whether the data has been uploaded before clearing.



Clear All Stored Data

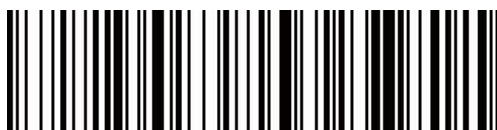
2.2.8 Initialization Setting

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

2.2.9 Version Setting



Read Version Information

2.2.10 Communication Mode Switching

Select the required communication mode bar code (mode three choices one);



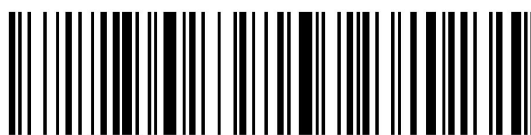
Bluetooth HID Mode (Default)



Bluetooth SPP Mode



Bluetooth BLE Mode



Bluetooth Virtual Mode

2.2.11 Time Out Setting

Select Time Out Interval Barcode



Time Out 30S (Default)



Time Out 1 Minute



Time Out 5 Minutes



Time Out 10 Minutes



Time Out 30 Minutes



No Time Out



Time Out Immediately



Display Batter

2.3 Sounds Setting

2.3.1 Volume Setting



Volume Low



Mute



Volume High (Default)



Volume Middle

2.3.2 Buzzer Frequency Setting



Buzzer Frequency 2K



Buzzer Frequency 2.7K

2.4 Language Setting

Select The Required Language Keyboard



English (Default)



German



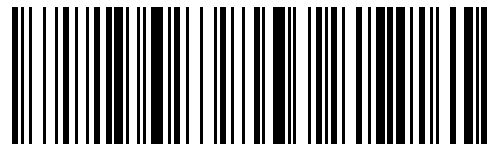
French



Spanish



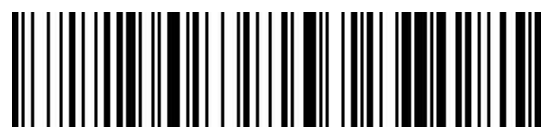
Italian



Japanese



International General Keyboard



Belgian French

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 Add Ending Character Setting

Select The End You Want To Add;



Add Enter At The End



Add Line Breaks At The End



Add Enter And Line Breaks At The End(Default)



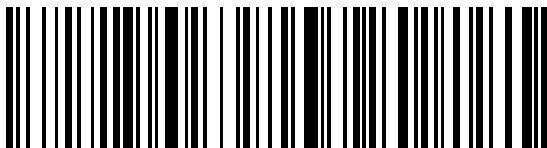
Add Tab At The End



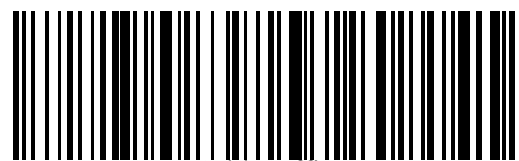
End Does Not Add

2.7 Add 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 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 bit



Hide 3 bit



Hide 4 bit



Hide 5 bit



Hide 6 bit



Hide 7 bit



Hide 8 bit



Hide 9 bit



Hide 10 bit



Hide 11 bit



Hide 12 bit



Hide 13 bit



Hide 14 bit



Hide 15 bit



Hide 16 bit

2.9 Control Character Escaping



Open Control Character Escaping



Close Control Character Escaping (Default)

2.10 GS, FS Character Barcode Setting



Open GS, FS Symbol To Convert to |



Turn off GS, FS Symbol To | (Default)

2.11 USB Keyboard Case Output Control



Force Conversion To Uppercase



Force Conversion To Lowercase



Case Interchange



No Case Conversion (Default)

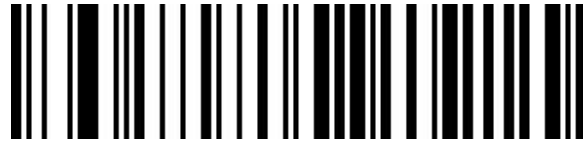
2.12 Product User Configuration

Scan the barcode below to save the current parameters of the product as a user configuration.



Save User Configuration

Scan the barcode below to restore the product to a saved user configuration



Restore User Configuration

2.13 Output Encoding Format

In order to output correctly according to the specified encoding format, you need to specify the output encoding format, such as Simplified Chinese in Notepad / excel output configuration into GBK encoding.

When the output encoding format is configured as English/Latin-1 encoding, The output mode under the USB keyboard is affected by the virtual keyboard function switch.

When the output encoding format is configured as GBK encoding / UNICODE encoding, The output mode under the USB keyboard is forced to be the virtual keyboard output.



English/Latin-1 Encoding (Default)



GBK Coding (Notepad/Excel)

2.14 Invoice Function

Open/Close Invoice Function



Turn Off Invoice Function (Default)



Turn On Invoice Function

In order to ensure the correct output of the invoice content, when opening the invoice code function, please configure the Chinese character output mode to GBK code (Notepad/excel) , At the same time, the function of changing the original content of the barcode, such as CodeID, custom pre/suffix, and start character, is turned off.

Invoice Type Selection



Special Invoice (Default)



General Invoice

2.15 Scan Mode

This product has a self-inductive scan code mode. Scan the barcode below to configure the switch.

When the self-sensing mode is configured to be off, pulled the trigger of the scanner to decode. This mode is the default configuration.



Automatic Induction Mode Off (Default)

When the self-sensing mode is configured to be on, the scanner can automatically sense the barcode in front of the lens for decoding.



Self-Sensing Mode Turn On

2.16 Repeated Code Detection

In induction mode, it is used to configure the interval time for solving the same barcode. If the setup time is not exceeded, the same barcode will only be solved once.



Repeat Code Detection Interval 500s



Repeat Code Detection Interval 750s (Default)



Repeat Code Detection Interval 1s



Repeat Code Detection Interval 2s

2.17 Screen Reading Mode

When this mode is turned on, your scanner will be optimized to read the bar code displayed on the display such as your phone or computer. However, turning this mode on may result in a slight decrease in the speed at which the printed bar code is read.



Screen Reading Mode Off (Default)



Screen Reading Mode Turn On

2.18 Center Mode

When the center mode is on, the scanner will only recognize the bar code located in the center of the screen to which the scanner lens is facing. By default, this configuration is in a closed state.



Central Mode Off (Default)



Central Mode Turn On

2.19 Code ID Output Option Setting



Turn Off CODE ID (Default)



Open Barcode Front CODE ID



Open Barcode Latter CODE ID

Edit



Custom CODE ID

(Please follow the barcode type ID table and data and edit barcode in the appendix after scanning)



Clear All Custom CODE ID

2.20 AIM ID Code Setting



Turn Off Barcode AIM ID (Default)



Open Barcode Front AIM ID



Open Barcode Latter AIM ID

2.21 Inverse Code Option

(Only 1D/DataMatrix/Aztec)



Only Decode Normal Code (Default)



Only Decode Inverse Code



Decode Both Normal Code And Inverse Code

2.22 Barcode Type Selection

2.22.1 Turn All Barcode Settings On/Off

Opening all bar code types may result in slower decoding speed. It is recommended to open the required bar code type according to the usage scenario. The default is to turn on all bar codes



Open All Barcode Types (Default)



Close All Barcode Types

2.22.2 Turn All 1D Barcode Settings On/Off



Open All 1D Barcode

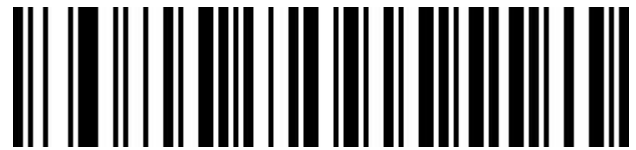


Close All 1D Barcode

2.22.3 Turn All 2D Barcode Settings On/Off



Open All 2D Barcode



Close All 2D Barcode

2.22.4 Codabar On/Off Setting



Codabar Turn On



Codabar Off

2.22.5 Codabar Start/Ending Character Setting



Do Not Send Codabar Start/End Characters (Default)



Send Codabar Start/End Characters

2.22.6 Codabar Length Limit Setting



Codabar Minimum Length Limit (0~50 bits)



Codabar Maximum Length Limit (0~50 bits)

2.22.7 Code 39 Turn Barcode On/Off Setting



Code 39 Turn On



Code 39 Off

2.22.8 Code 39 Check Bit Setting



Code 39 Check Off (Default)



Code 39 Check Open Does Not Send Check Bit



Code 39 Check Open Send Check Bit

2.22.9 Code 39 Full ASCII On/Off Setting



Full ASCII Turn On



Full ASCII Turn Off(Default)

2.22.10 Code 39 Length Limit Setting

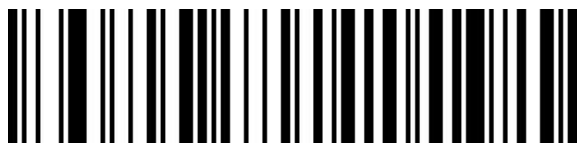


Code 39 Minimum Length Limit (0~50 bits)



Code 39 Maximum Length Limit (0~50 bits)

2.22.11 Code 32 (need code39to open) Turn Barcode On/Off Setting



Code 32 turn on



Code 32 off

2.22.12 Interleaved 2 of 5(ITF25)Turn Barcode On/Off Setting



ITF25 turn on



ITF25 off

2.22.13 Interleaved 2 of 5 (ITF25) Check Bit Setting



ITF25 Check Off(Default)



ITF25 Check Open Does Not Send Check Bit



ITF25 Check Open Send Check Bit

2.22.14 Interleaved 2 of 5 (ITF25) length selection setting



ITF25 any length (4-24 bits) (Default)



ITF25 6-bit Length



ITF25 8-bit Length



ITF25 10-bit Length



ITF25 12-bit Length



ITF25 14-bit Length



ITF25 16-bit Length



ITF25 18-bit Length



ITF25 20-bit Length



ITF25 22-bit Length



ITF25 24-bit Length

2.22.15 Interleaved 2 of 5 Length Limit Setting



Interleaved 2 of 5 Minimum Length Limit (0~50 bits)



Interleaved 2 of 5 Maximum Length Limit (0~50 bits)

2.22.16 Industrial 2 of 5(Industry 25 code)Turn barcode on/off setting



Industrial 2 of 5 turn on



Industrial 2 of 5 off

2.22.17 Industrial 2 of 5 Length Limit Setting



Interleaved 2 of 5 Minimum Length Limit (0~50 bits)



Interleaved 2 of 5 Maximum Length Limit (0~50)

2.22.18 Matrix 2 of 5(matrix 25 yards) (4-24 digits)Turn barcode on/off setting



Matrix 2 of 5 turn on



Matrix 2 of 5 off

2.22.19 Matrix 2 of 5 Length Limit Setting



Matrix 2 of 5 Minimum Length Limit (0~50 bits)



Matrix 2 of 5 Maximum Length Limit (0~50 bits)

2.22.20 Code 93 Turn Barcode on/off Setting



Code 93 turn on



Code 93 off

2.22.21 Code 93 Length Limit Setting



Code 93 Minimum Length Limit (0~50 bits)



Code 93 Maximum Length Limit (0~50 bits)

2.22.22 Code 11 Turn Barcode on/off Setting



Code 11 turn on



Code 11 off(Default)

2.22.23 Code 11 Check bit output Turn Barcode on/off Setting



Code 11 Check Digit Output Turn On



Code 11 Check Digit Output Turn Off(Default)

2.22.24 Code 11 Check Selection Setting



Code 11Chk Off(Default)



Code 11 1 bit Check



Code 11 2 bit Check

2.22.25 Code 11 Length Limit Setting



Code 11 Minimum Length Limit (0~50 bit)



Code 11 Maximum Length Limit (0~50 bit)

2.22.26 Code 128 Turn on/off Setting



Code 128 turn on



Code 128 off

2.22.27 GS1-128 Turn on/off Barcode Setting

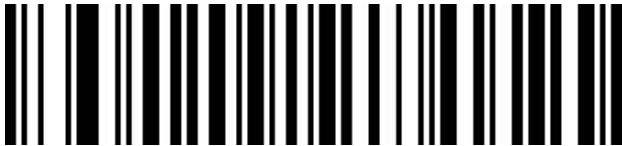


GS1-128 turn on



GS1-128 off

2.22.28 128 Code Length Limit Setting



128 Code Minimum Length Limit (0~50 bit)



128 Code Maximum Length Limit (0~50 bit)

2.22.29 UPC-A Turn On/Off Barcode Setting



UPC-A Turn On



UPC-A Off

2.22.30 UPC-A Check Bit Setting

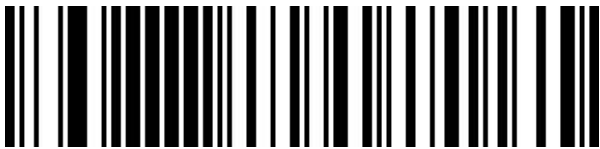


Send UPC-A Check Bits (Default)



Do Not Send UPC-A Check Bits

2.22.31 UPC-A Turn EAN-13



UPC-A Turn EAN-13 Turn On



UPC-A Turn EAN-13 Off (Default)

2.22.32 UPC-E Turn On/Off Barcode Setting



UPC-E Turn On



UPC-E Off

2.22.33 UPC-E Check Bit



Send UPC-E Check Bits (Default)



Do Not Send UPC-E Check Bit

2.22.34 UPC-E Extend UPC-A



UPC-E Extend UPC-A Turn On



UPC-E Extend UPC-A Off (Default)

2.22.35 EAN/JAN-8 Turn On/Off Barcode Setting



EAN/JAN-8 Turn On



EAN/JAN-8 Off

2.22.36 EAN/JAN-13 Turn On/off Barcode Setting



EAN/JAN-13 Turn On



EAN/JAN-13 Off

2.22.37 UPC/EAN/JAN Additional Code Setting



Ignore UPC/EAN/JAN Add-On Code (Default)



Decode UPC/EAN/JAN Additional Code



Adaptive UPC/EAN/JAN Add-on Code

2.22.38 EAN13 Turn ISBN



Turn On EAN13 to ISBN Code



Turn Off EAN13 to ISBN Code(Default)

2.22.39 EAN13 turn ISSN



Turn On EAN13to ISSN Code



Turn Off EAN13 to ISSN Code (Default)

2.22.40 GS1 DataBar (RSS14)



GS1 DataBar Turn On



GS1 DataBar Off

2.22.41 GS1 DataBar Limited



GS1 DataBar Limited Turn On



GS1 DataBar Limited Off

2.22.42 GS1 DataBar Expanded



GS1 DataBar Expanded Turn On



GS1 DataBar Expanded Off

2.22.43 PDF417



PDF417 turn on



PDF417 off

2.22.44 QR Code



QR Turn On



QR Off

2.22.45 Micro QR



Micro QR Turn On



Micro QR Off

2.22.46 Data Matrix



Data Matrix Turn On



Data Matrix Off

2.22.47 Aztec Code



Aztec Turn On



Aztec Off

Appendix1 Data and Edit Barcode



0



1



2



3



4



5



6



7



8



9



A



B



C



D



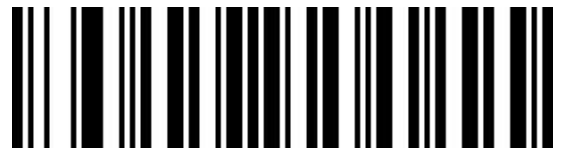
E



F



Cancel Current Setting



Cancel A String Of Data Read Before








Cancel The Previous Read Data





















Save




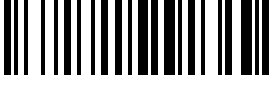












Appendix 2 Prefix/Suffix Characters Table

















Serial No.	Control character	Control character	Set barcode	Serial No.	Control character	Control character	Set barcode
1	Insert	Ctrl+A		17	Direction key ↑	Ctrl+Q	
2	Home	Ctrl+B		18	Direction key ↓	Ctrl+R	
3	End	Ctrl+C		19	Direction key ←	Ctrl+S	
4	Delete	Ctrl+D		20	Direction key →	Ctrl+T	
5	PageUp	Ctrl+E		21	F12	Ctrl+U	
6	PageDown	Ctrl+F		22	F1	Ctrl+V	
7	ESC	Ctrl+G		23	F2	Ctrl+W	
8	Backspace	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					

Appendix3 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	l		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	

Appendix4 Barcode Type ID Table

Code type	HEX	CODE ID(default)
All code type	99	
Codabar	61	a
Code128	6A	j
Code32	3C	<
Code93	69	i
Code39	62	b
Code11	48	H
EAN-13	64	d
EAN-8	64	d
GS1 DataBar	79	y
GS1-128 (EAN-128)	6A	j
2 of 5		
Interleaved 2 of 5	65	e
Matrix 2 of 5	76	v
Industry 2 of 5	44	D
UPC-A	63	c
UPC-E	63	c
ISBN	42	B
ISSN	6E	n
Aztec Code	7A	z
DataMatrix	75	u
PDF417	72	r
Micro PDF417	53	S
QR Code	51	Q
Micro QR Code	51	Q

Appendix5 AIM ID Table

Code type	AIM ID	Explain
Codabar	]Fm	m : 0~1
Code128	]C0	m : 0 , 1 , 2 , 4
Code32	]A0	
Code93	]G0	
Code39	]Am	m : 0 , 1 , 3 , 4 , 5 , 7
Code11	]Hm	m : 0 , 1 , 3 , 8 , 9
EAN-13 / EAN-8	]Em	m : 0 , 1 , 3 , 4
GS1 DataBar	]e0	
GS1-128 (EAN-128)	]C1	
Interleaved 2 of 5	]Im	m : 0 , 1 , 3
Matrix 2 of 5	]X0	
Industry 2 of 5	]S0	
UPC-A/ UPC-E	]Em	m : 0 , 3
ISBN	]X0	
ISSN	]X0	
Aztec Code	]z0	
DataMatrix	]dm	m: 0~6
PDF417 / Micro PDF417	]Lm	m: 0~5
QR Code / Micro QR Code	]Qm	m: 0~6

Appendix6 Control Character Set (USB Keyboard Mode)

Decimal	Hex	Corresponding key value (control character escaping off)	Corresponding key value (control character escaping on)
1	01	Insert	Ctrl+A
2	02	Home	Ctrl+B
3	03	End	Ctrl+C
4	04	Delete	Ctrl+D
5	05	PageUp	Ctrl+E
6	06	PageDown	Ctrl+F
7	07	ESC	Ctrl+G
8	08	Backspace	Ctrl+H
9	09	Tab	Ctrl+I
10	0A	Enter (performance is affected by carriage return line feed processing configuration)	Enter
11	0B	Caps Lock	Ctrl+K
12	0C	Print Screen	Ctrl+L
13	0D	Enter (performance is affected by carriage return line feed processing configuration)	Ctrl+M
14	0E	F7	Ctrl+N
15	0F	F8	Ctrl+O
16	10	F11	Ctrl+P
17	11	Direction key↑	Ctrl+Q
18	12	Direction key ↓	Ctrl+R
19	13	Direction key ←	Ctrl+S
20	14	Direction key →	Ctrl+T
21	15	F12	Ctrl+U

22	16	F1	Ctrl+V
23	17	F2	Ctrl+W
24	18	F3	Ctrl+X
25	19	F4	Ctrl+Y
26	1A	F5	Ctrl+Z
27	1B	F6	Ctrl+[
28	1C	<FS>	Ctrl+\
29	1D	<GS>	Ctrl+]
30	1E	F9	Ctrl+^
31	1F	F10	Ctrl+_

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.