POStech Explorer POS-L200

Conheça o leitor manual POSTech POS-L200 sendo de ótimo custo benefício para decodificação de código de barras 1D e 2D e digitalização e ótima qualidade.

User Guide

V 1.0.5

About This User Guide

Please read all the content of the user guide carefully to use the products safely and effectively. You are advised of keeping it properly for your using reference.

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.

Service Information

If you need more technical support, please call or email us and we are happy to serve you.

Version Record

Version number	Version description	Version date
V 1.0.0	Initial version	2016-1-8
V 1.3.2	Optimize decoding performance	2016-5-21
V 1.5.2	Add menu content	2016-11-23
V 1.6.2	Auto-sensing function	2017-3-8
V 2.0.0	Add billing function	2017-7-20
V 2.1.0	1. Modify default setting of billing. 2. Add exception handling mechanism when transmission goes wrong between USB and computer. Increase compatibility of the USB (both low speed and high speed are effective).	2017-8-30
V 2.1.2	Optimize billing function	2017-11-16
Barcode Scanner V2.12 Built Time: Jan 8 2018 16:46:54	1.Add Finnish,Japanese,Arabic, Irish, Polish, Czech,Swedish,Turkish,Greek 2.Add user-defined prefix/suffix 3.Add user-defined barcode limitation of length 4.Add Illumination setting 5.Add aiming light control 6.Add character escape 7.USB keyboard update speed setting 8.USB keyboard text-transform	2018-1-8
Barcode Scanner V2.13 Built Time: Mar 8 2018 15:22:32	1.Add keyboard layout：Spanish (Latin America) 2. Add virtual keyboard 3. Add operation system choice option under the virtual keyboard mode 4. Add serial port data bits, stop bits, check bit 5. Add Sequential selection of and barcode prefix suffix setting	2018-3-23

Barcode Scanner V2.13 Built Time: Aprr 4 2018 10:36:33	1.Repair can't enter of Excel 2.Repair don't jump sometimes when issue invoice	2018-4-10
Barcode Scanner V2.13 Built Time: Jun 12 2018 14:14:27	1.Repair BUG	2018-6-30
Barcode Scanner V2.13 Built Time: Aug 2 2018 10:06:21	1.Add output encoding format 2.Add image mirroring 3.Add ISBT-128	2018-8-23
Scanner V2.13 Built Time:Sep 10.2015.15:36:46	1.Add keyboard layout：Belgian French 2.Modify the agricultural material image barcode automatic identification	2018-9-14
Barcode Scanner V2.13 Built Time:Sep 18 2018 16:41:09	Modify successful decoding prompts low audio rate as default	2018-9-29
Barcode Scanner V2.13 Built Time: Apr 30 2019 16:20:00	1.Add keyboard layout：British English 2.GS Control character replacement（Ç 、 ｜、 ^] 、]、<GS> ）	2019-05-14

Catalogue

1、Product Introduction

This user guide applies to M4（M40）, which identify 1D&2D barcodes by 2D image scanning pattern, and apply the complete set of patent technology developed. 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

* Complete independent research and development, possessing the complete set of patent, plug and play without the need to install driver.

* Wide voltage design to avoid the data can't be transmitted due to voltage fluctuation.

* 32-bit master chip equipped with patented software, the scanner can smoothly decode reflective, wrinkled, blurred, and colorful barcode, and can also normally scan in light and dark environment.

* Adopt all tantalum capacitors and anti-oxidation optical technology, avoiding the problem of performance declining after long-term using.

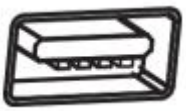
1.2 Unpack Your Device

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 or RS-232 interface.

USB	USB interface on host	
RS-232	RS-232 interface on host	

1.4 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; remove the power adapter which is inserted into RS-232 serial port.

Restart：If the scanner crashes or doesn't respond, please switch it off and restart.

1.5 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.

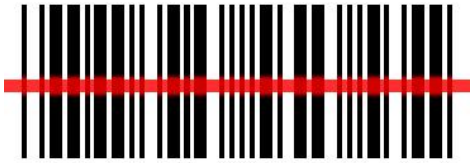
* Prohibit any cleaning solvents, except for the cleaning water.

1.6 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：



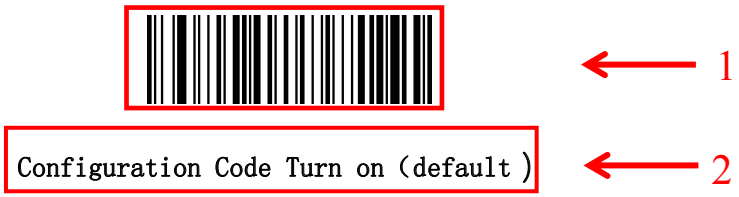
Configuration Code Turn on（Default)

2、Barcode Menu

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 of configuration code turn on (default).

The logo consists of two parts:

1. Set the barcode portion of the code

2. Set the name of an option or feature, such as the ability to turn on the configuration code feature.

2.2 Setting Barcodes

2.2.1 Turn On/Turn Off Configuration code

When the configuration code is turn on, All configuration codes available;

When the configuration code is turn off, you need setting it.

Configuration Code Turn on

（Default)

Configuration Code Turn off

Configuration Code Turn on（Default)

2.2.2 Restore Factory Defaults

Restore Factory Defaults

2.2.3 Read Product Batch Version

Product Batch Version

2.2.4 Read user defaults

Save the current menu settings as user-defined menu settings.

Save User Defaults

You can restore the menu settings for the user-defined menu settings.

Restore User Defaults

2.2.5 Interface Setting

This desktop scanner support USBKB, USB to serial port, serial port interface.

You can set USB PC KB, USB MAC KB interface by scanning below barcode.

USB KB (Default)

Configuration Code Turn on（Default)

USB MAC KB

You can set serial port interface by scanning below barcode.

Serial Port

You can set USB to serial port interface by scanning below barcode. (Need drive, please contact the sales)

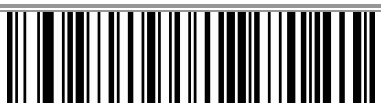
USB To Serial Port

2.2.6 Serial Port Setting

2.2.6.1 Baud Rate Setting

Baud Rate 4800

Configuration Code Turn on（Default)



Baud Rate 9600(Default)

Baud Rate38400

Baud Rate 19200

Baud Rate 57600

Baud Rate 115200

2.2.6.2 Serial Data Bit, Stop Bit, Check Bit Configuration

7 data bits, 1 stop bits, no check bit

7 data bits, 1 stop bits, even check bit

Configuration Code Turn on（Default)

7 data bits, 1 stop bits, odd check bit

7 data bits, 2 stop bits, no check bit

7 data bits, 2 stop bits, even check bit

7 data bits, 2 stop bits, odd check bit

8 data bits, 1 stop bits, no check bit

8 data bits, 1 stop bits, even check bit

8 data bits, 1 stop bits, odd check bit

Configuration Code Turn on（Default)

8 data bits, 2 stop bits, no check bit

8 data bits, 2 stop bits, even check bit

8 data bits, 2 stop bits, odd check bit

2.2.7 Scan Mode

Manual Scanning Model(Default)

Enable Automatic Recognition Mode

2.2.8 Screen Read Mode

When you turn on this mode, Scanners can be decoding the codes on phone or computer. However, turn on this code will be cause lower speed when scanning printing codes. The default is turn off.

Disable Screen Read Mode (Default)

Enable Enter Mode

Configuration Code Turn on（Default)

2.2.9 Central 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 off.

Disable Central Mode(Default)

Enable Central Mode

2.2.10 Illumination

Normal Mode

LED Always Off

LED Always On

2.2.11 Aiming Light Control

Normal Mode

Aiming Light Always Off

Aiming Light Always On

Configuration Code Turn on（Default)

2.2.12Character Escape

Enable Character Escape

Disable Character Escape（Default）

2.2.13 GS Control Character Substitution(Enable Character Escape First)

Not Replaced

The output character "Ç" must Enable virtual keyboard first (mode1) or (mode2) or (mode 3)

Replaced With Ç

Replaced With |

Replaced With ^]

Replaced With]

Configuration Code Turn on（Default)

Replaced With <GS>

2.2.14 Start Character Setting

Cancel Start Character (Default)

Add STX As Start Character

2.2.15 Ending Character Setting

Cancel Ending Character

Add Enter

Add Tab

Add Enter+Tab (Default)

Configuration Code Turn on（ Default)

Add \t

Add ETX

2.2.16 Chinese Output Mode

English Output（Default）

Chinese Output（TXT/Excel）

Chinese Output（Word）

2.2.17 Invoice (For China)

Disable Invoice Code（Default）

Enable Invoice Code

Note: In order to make sure the invoice output correctly, when you use invoice function please set Chinese output to “Chinese output(TXT/excel)”, at the same time, turn off the function of

Configuration Code Turn on（ Default)

changing the original content of the barcode,such as CodeID, user defined prefix or suffix, start character.

2.2.18 Invoice Type (For China)

Special Invoice（Default）

Plain Invoice

2.2.19Inverse Code Option

（Only 1D/ Data Matrix/ Aztec）

Only Decode Normal Code（Default）

Only Decode Inverse Code

Decode Both Normal Code And Inverse Code

2.2.20 Virtual Keyboard

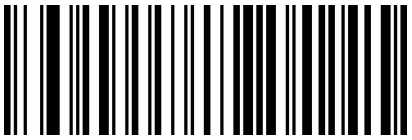
Mode 1: The characters between 0x20 and 0xFF are output in the virtual keyboard mode that is not supported by the current keyboard layout. The characters between 0x00 and 0x1F are output according to the control characters (see Appendix).

Mode 2: All characters between 0x20 and 0xFF are output using the virtual keyboard mode. Characters between 0x00 and 0x1F are output according to the control characters (see appendix).

Configuration Code Turn on（Default)

Mode 3: The characters used between 0x00 and 0xFF are output using the virtual keyboard mode.

Disable Virtual Keyboard（Default）



Enable Virtual Keyboard

Enable Virtual Keyboard（Mode 1）

Enable Virtual Keyboard（Mode 2）

Enable Virtual Keyboard（Mode 3）

Configuration Code Turn on（Default)

2.2.21 Operation System Choice Under Virtual Keyboard

WINDOWS（Default）

MAC OS

LINUX

2.2.22 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, in Word and other output configured into UNICODE encoding.

When the output encoding format is configured as English/Latin-1 encoding, the output mode of 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 of the USB keyboard is forced to be the virtual keyboard output.

English/Latin-1 Encoding (Default)

GBK code (Notepad / Excel)

UNICODE Encoding (Word)

Configuration Code Turn on（Default)

2.3 Beeper And LED Notifications

2.3.1 Beeper Volume Setting

Volume low

Volume High（Default）

2.3.2 Startup Beep

Shut Down Startup Beep

Open Startup Beep(Default)

2.3.3 Good Read Beep

Good Read Beep Off

Good Read Beep On（Default）

2.3.4 Beep Pitch-Good Read

Low Pitch(Default)

Configuration Code Turn on（Default)

Middle Pitch（Default）

High Pitch

2.3.5 Beep Duration-Good Read

Tone Long（Default）

Tone Short

2.3.6 Error Sound

You will hear 4 continue alarm sounds when data upload failure, one single alarm sound means scan indistinguishableness barcode.

Error Sound Low Pitch（Default）

Error Sound Middle Pitch

Error Sound High Pitch

Configuration Code Turn on（Default)

2.3.7 LED

Good-Read LED Off

Good-Read LED On（Default）

2.4 Timeout Between Decodes (Same Barcodes)

By default, the interval time between first scanning and second scanning for same barcode is 750ms. To avoid being repeatedly with a barcode, you can set the scan interval.

500ms

750ms（Default）

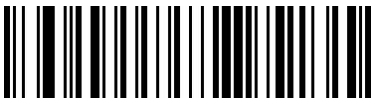
1s

2s

2.5 USB Keyboard Update Speed Setting

There barcode is used to set the update speed when scanner is in USB keyboard pattern. If the performance of your PC is lower, we suggest you choose slow update speed to make sure the scanner update the right data.

Configuration Code Turn on（ Default)



Slow Update Speed（Default）

Middle Update Speed

Fast Update Speed

User Define Update Speed（ 2ms~50ms ）

2.6 OA & LF Setting（USB Keyboard）

Only 0A(LF) Line Feed

Only 0D(CR)Line Feed（Default）

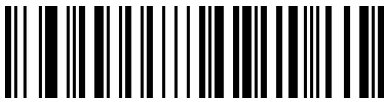
Both 0A(LR) And 0D(CR) Line Feed

2.7 USB Keyboard Text-Transform

Normal Output（Default）

Configuration Code Turn on（Default)

Case Reversal



All Caps

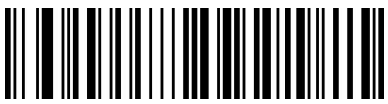
Lower Case

2.8 Keyboard Layout Setting

English (United States)

French (France)

Italian (Italy)



Italian 142 (Italy)

German (Germany)

Spanish (Spain)

Spanish (Latin America)

Finnish

Japanese

Russian (MS)

Russian (Typewriter)

Arabic (101)

Irish

Polish (214)

Polish (Programmers)

Configuration Code Turn on（Default)

Dutch (Netherlands)

Czech (QWERTZ)

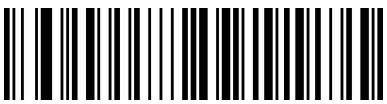
Portuguese (Portugal)

Portuguese (Brazil)

Swedish (Sweden)

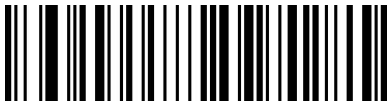
Turkish Q

Turkish F



Greek (MS)

Configuration Code Turn on（Default)



French (Belgium)

English (UK)

2.9 Symbologies

2.9.1 Enable/Disable All Symbologies

Enable all barcode might slow down scanner decode speed. We suggest enable the barcode you need based on your scene. Enable all barcode is default

Enable All Symbologies

Disable All Symbologies

2.9.2 Codabar

Enable Codabar

Disable Codabar

Configuration Code Turn on（ Default)

2.9.3 Codabar Start/Ending Character Setting

Don’t Send Codabar Start/Ending Character（Default）

Send Codabar Start/Ending Character

2.9.4 Codabar Limitation Of Length

Codabar Min Length（0~50 bits）

Codabar Max Length（0~50 bits）

2.9.5 Code 39

Enable Code 39

Disable Code 39

2.9.6 Code 39 check bit

Disable Code 39 check（Default）

Configuration Code Turn on（ Default)

Enable Code 39 Check Don’t Send Check Bit

Enable Code 39 Check Send Check Bit

2.9.7 Code 39 Full ASCII

Enable Full ASCII

Disable Full ASCII (Default)

2.9.8 Code 39 Limitation Of Length

Code 39 Min Length（0~50 bits）

Code 39　Max Length（0~50 bits）

2.9.9 Code 32 (Code 39 needs to be enabled)

Enable Code 32

Configuration Code Turn on（Default)

Disable Code 32

2.9.10 Interleaved 2 of 5 （ITF5）

Enable ITF25

Disable ITF25

2.9.11 Interleaved 2 of 5 （ITF5）check bit

Disable ITF25 check (Default)

Enable ITF25 check Don’t Send Check Bit

Enable ITF25 check Send Check Bit

2.9.12 Interleaved 2 of 5 （ITF5）Length Setting

ITF25 No Fixed Length（4-24）（Default）

Configuration Code Turn on（Default)

ITF25 Fixed Length of 6 digital

ITF25 Fixed Length of 8 digital

ITF25 Fixed Length of 10 digital

ITF25 Fixed Length of 12 digital

ITF25 Fixed Length of 14 digital

ITF25 Fixed Length of 16 digital

ITF25 Fixed Length of 18 digital

Configuration Code Turn on（ Default)

ITF25 Fixed Length of 20 digital

ITF25 Fixed Length of 22 digital

ITF25 Fixed Length of 24 digital

2.9.13 Interleaved 2 of 5 Limitation of Length

Interleaved 2 of 5 min length （0~50 bits）

Interleaved 2 of 5 max length（0~50 bits）

2.9.14 Industrial 2 of 5（4-24 digits）

Enable Industrial 2 of 5

Configuration Code Turn on（Default)

Disable Industrial 2 of 5

2.9.15 Industrial 2 of 5 Limitation of Length

Interleaved 2 of 5 min length （0~50 bits）

Interleaved 2 of 5 max length（0~50 bits）

2.9.16 Matrix 2 of 5（4-24 digits）

Enable Matrix 2 of 5

Disable Matrix 2 of 5

2.9.17 Matrix 2 of 5 Limitation of length

Matrix 2 of 5 min length（0~50 bits)

Matrix 2 of 5 max length（0~50 bits）

Configuration Code Turn on（Default)

2.9.18 Code 93

Enable Code 93

Disable Code 93

2.9.19 Code 93 Limitation of length

Code 93 min length（0~50 bits）

Code 93 max length（0~50 bits）

2.9.20 Code 11

Enable Code 11

Disable Code 11 (Default)

2.9.21 Code 11 Check Bit Output

Enable Code 11 check bit output

Configuration Code Turn on（ Default)

Disable Code 11 check bit output（Default）

2.9.22 Code 11 Check Bit Option

Disable Code 11（Default）

Code 11　One Check Bit

Code 11　Two Check Bit

2.9.23 Code 11 Limitation Of Length

Code 11 Min Length（0~50 bits）

Code 11 Max Length（0~50 bits）

2.9.24 Code 128

Enable Code 128

Configuration Code Turn on（Default)

Disable Code 128

2.9.25 Code 128 Limitation Of Length

Code 128 Min Length（0~50 bits）

Code 128 Max Length（0~50 bits）

2.9.26 GS1-128

Enable GS1-128

Disable GS1-128

2.9.27 ISBT-128

Disable ISBT 128

Disable ISBT 128

2.9.28 UPC-A

Enable UPC-A

Configuration Code Turn on（Default)

Disable UPC-A

2.9.29 UPC-A Check Bit

Send UPC-A Check Bit（Default）

Don’t Send UPC-A Check Bit

2.9.30 UPC-A To EAN-13

Enable UPC-A To EAN-13

Disable UPC-A To EAN-13（Default）

2.9.31 UPC-E

Enable UPC-E

Disable UPC-E

Configuration Code Turn on（Default)

2.9.32 UPC-E Check Bit

Send UPC-E Check Bit（Default）

Don’t Send UPC-E Check Bit

2.9.33 UPC-E Expand UPC-A

Enable UPC-E Expand UPC-A

Disable UPC-E Expand UPC-A (Default)

2.9.34 EAN/JAN-8

Enable EAN/JAN-8

Disable EAN/JAN-8

2.9.35 EAN/JAN-13

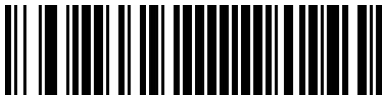
Enable EAN/JAN-13

Configuration Code Turn on（Default)

Disable EAN/JAN-13

2.9.36 UPC/EAN/JAN Extra-Code

Ignore UPC/EAN/JAN Extra-Code (Default)



Decode UPC/EAN/JAN Extra-Code

Adapt UPC/EAN/JAN Extra-Code

2.9.37 EAN13 To ISBN

Enable EAN13 To ISBN

Disable EAN13 To ISBN（Default）

2.9.38 EAN13 To ISSN

Enable EAN13 To ISSN

Configuration Code Turn on（Default)

Disable EAN13 To ISSN（Default）

2.9.39 GS1 DataBar（RSS14）

Enable GS1 DataBar

Disable GS1 DataBar

2.9.40 GS1 DataBar Limited

Enable GS1 DataBar Limited

Disable GS1 DataBar Limited

2.9.41GS1 DataBar Expanded

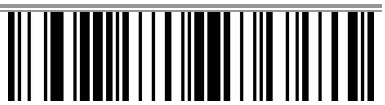
Enable GS1 DataBar Expanded

Disable GS1 DataBar Expanded

2.9.42 PDF417

Enable PDF417

Configuration Code Turn on（Default)



Disable PDF417

2.9.43 QR Code

Enable QR

Disable QR

2.9.44 Micro QR

Enable Micro QR

Disable Micro QR

2.9.45 Data Matrix

Enable Data Matrix

Disable Data Matrix

2.9.46 Aztec Code

Enable Aztec

Configuration Code Turn on（Default)

Disable Aztec

2.10 User-Defined Prefix Setting

Output

Enable User-Defined Prefix Output

Disable User-Defined Prefix Output（Default）

Edit

Clear All User-Defined Prefix

User-Defined Prefix

(After scan this code you can set the prefix you want based on the data and barcode in table ID)

2.11 User-Defined Suffix Setting

Output

Enable User-Defined Suffix Output

Configuration Code Turn on（ Default)

Disable User-Defined Suffix Output（Default）

Edit

Clear All User-Defined Suffix

User-Defined Suffix

（After scan this code you can set the prefix you want based on the data and barcode in table ID）

2.12 Barcode Prefix And Suffix Order Selection

Prefix

Start Character +CODE ID+AIM ID+Custom Prefix (Default)

Start Character +Custom Prefix+CODE ID+AIM ID

Suffix

Custom Suffix+CODE ID+AIM ID+End Character (Default)

CODE ID+AIM ID+Custom Suffix+End Character

Configuration Code Turn on（Default)

2.13 Code ID

Output

Disable CODE ID (Defaul)

Enable CODE ID Before Barcode

Enable CODE ID After Barcode

Edit

User-Defined CODE ID

（After scan this code you can set the prefix you want based on the data and barcode in table ID）

Clear All User-Defined CODE ID

Configuration Code Turn on（Default)

2.14 AIM ID Setting

Disable AIM ID（Default）

Enable AIM ID Before Barcode

Enable AIM ID After Barcode

APPENDIX

Appendix 1 Data and editing code

0

1

2

3

4

5

6

7

8

9

A

B

C

D

E

F

Cancel All Data Read Before

Cancel Current Setting

Cancel The Data Read Last Time

Save

Appendix 2 Code type ID table

Code type	HEX	CODE ID(default)
All codes	99	
Codabar	61	a
Code128	6A	j
ISBT-128	6A	j
Code32	3C	<
Code93	69	i
Code39	62	b
Code11	48	h
EAN-13	64	d
EAN-8	64	d
GS1 DataBar	52	R
GS1 DataBar Limited	52	R
GS1 DataBar Expanded	52	R
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

Appendix 3 Eyeball character ASCII table

Decimal	Hexadecimal	Character	Decimal	Hexadecimal	Character	Decimal	Hexadecimal	Character
32	20	<SPACE>	64	40	@	96	60	`
33	21	!	65	41	A	97	61	a
34	22	“	66	42	B	98	62	b
35	23	#	67	43	C	99	63	c
36	24	$	68	44	D	100	64	d
37	25	%	69	45	E	101	65	e
38	26	&	70	46	F	102	66	f
39	27	‘	71	47	G	103	67	g
40	28	(	72	48	H	104	68	h
41	29	)	73	49	I	105	69	i
42	2A	*	74	4A	J	106	6A	j
43	2B	+	75	4B	K	107	6B	k
44	2C	,	76	4C	L	108	6C	l
45	2D	-	77	4D	M	109	6D	m
46	2E	.	78	4E	N	110	6E	n
47	2F	/	79	4F	O	111	6F	o
48	30	0	80	50	P	112	70	p
49	31	1	81	51	Q	113	71	q
50	32	2	82	52	R	114	72	r
51	33	3	83	53	S	115	73	s
52	34	4	84	54	T	116	74	s
53	35	5	85	55	U	117	75	u
54	36	6	86	56	V	118	76	v

55	*37*	*7*	*87*	*57*	*W*	*119*	*77*	*w*
56	*38*	*8*	*88*	*58*	*X*	*120*	*78*	*x*
57	*39*	*9*	*89*	*59*	*Y*	*121*	*79*	*y*
58	*3A*	*:*	*90*	*5A*	*Z*	*122*	*7A*	*z*
59	*3B*	*;*	*91*	*5B*	*[*	*123*	*7B*	*{*
60	*3C*	<	*92*	*5C*	\	*124*	*7C*	|
61	*3D*	=	*93*	*5D*	*]*	*125*	*7D*	*}*
62	*3E*	>	*94*	*5E*	^	*126*	*7E*	~
63	*3F*	*?*	*95*	*5F*	_			

Appendix 4 Operational character（USB keyboard）

Decimal	*Hexadecimal*	*Corresponding key value（disable CODE ID）*	*Corresponding key value（enable CODE ID）*
0	00	retain	Ctrl+@
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	Backspace
9	09	Tab	Tab
10	0A	Enter (The configuration of CRLF processing decide how it express)	Ctrl+J
11	0B	Caps Lock	Ctrl+K
12	0C	Print Screen	Ctrl+L
13	0D	Enter （The configuration of CRLF processing decide how it express）	Enter
14	0E	Scroll Lock	Ctrl+N
15	0F	Pause/Break	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	ESC
28	1C	F7	Ctrl+\
29	1D	F8	Ctrl+]
30	1E	F9	Ctrl+^
31	1F	F10	Ctrl+_

Appendix 5 Operational character（serial port and USB-VCOM）

decimal	hexadecimal	character
0	00	NUL
1	01	SOH
2	02	STX
3	03	ETX
4	04	EOT
5	05	ENQ
6	06	ACK
7	07	BEL
8	08	BS
9	09	HT
10	0A	LF
11	0B	VT
12	0C	FF
13	0D	CR
14	0E	SO
15	0F	SI
16	10	DLE
17	11	DC1
18	12	DC2
19	13	DC3
20	14	DC4
21	15	NAK
22	16	SYN
23	17	ETB
24	18	CAN
25	19	EM

26	1A	SUB
27	1B	ESC
28	1C	FS
29	1D	GS
30	1E	RS
31	1F	US

Configuration instruction and example

Example for user-defined prefix and suffix:

You can edit 10 characters as prefix or suffix. (In order to make sure the prefix and suffix can output normally, please enable user-defined prefix or suffix first)

Example 1.1： Add XYZ to all type of barcode as prefix.

Look up appendix 2, you can find that the HEX value for all codes is "99". Look up appendix 3, the HEX value for XYZ is "58,59,5A".

First scan "**user-defined prefix**" in 2.11 edit, then the scanner will have two sounds like "D…D…", then scan **9, 9, 5, 8, 5, 9, 5, A, and save,** the setting accomplished.

If you want to change the prefix or suffix you set before you save the setting, you can scan "**cancel the data read last time**" or "**Cancel all data read before**" to reset. If you want to give up setting scan "**Cancel current setting**".

Example 1.2： Add Q to QR code as prefix.

Look up appendix 2, you can find that the HEX value for QR code is "73". Look up appendix 3, the HEX value for Q is "51".

First scan "**user-defined prefix**" in 2.11 edit, then the scanner will have two sounds like "D…D…", then **scan 7, 3, 5, 1, and save**, the setting accomplished.

Example 1.3： Cancel user-defined prefix in QR code

When you edit user-defined prefix and suffix, it will cancel the prefix and suffix you set if you scan "user-defined prefix" or "user-defined suffix" and add no character and save.

For example, cancel user-defined prefix in QR code, first scan "**user-defined prefix**", then scan **7,3, and save**. The prefix in QR code has been canceled.

Note: If there is a prefix for all type of barcode, after you done the operation above, the QR code will

have the prefix you set for all type barcode.

*If you need to cancel all prefix or suffix for all type of barcode, please scan "**clear all user-defined prefix" and "clear all user-defined suffix"***

USB update speed setting example

If the PC is weak properties, it is easy to have error of transmission and you need to set USB keyboard update speed to low speed, like 50ms (user-defined speed)

First, scan "**User-defined update speed**" then scan **5,0 in appendix 1 and save**.