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# I. Basic Settings

## 1. Enter&Exit Setting

### 1.1 Enter setting mode



### 1.2 Exit setting mode



## 2. Version Display

### Display version information



## 3. Default Settings

### 3.1 Restore default settings



### 3.2 Set to default mode



## 4. Language Settings

### International keyboard



### American English (Chinese)



German



**French**



**Spanish**



**Italian**



**Japanese**



**Belgian French**



**Portuguese**



**British English**



**German IOS keyboard: (Apple system German keyboard)**



**Brazilian Portuguese**



**Russian**



**Italian 142**



**Turkey F**



**Mexican Spanish**



**Norwegian (written Norwegian):**



**Swiss German**

**Czech**



**Turkey Q**



**Sweden/Finland**



**Danish**



**Croatian**





**Swiss-French**



**Dutch**



**Hungarian**



**Polish**



**Canadian French**



**Argentina (Latin American)**



**Slovak**



## **5. Encoding Settings**

**5.1 Enter GBK code**



**5.2 Enter UTF encoding**



### 5.3 Compulsory pairing with Dongle



## 6. Sound Related Settings

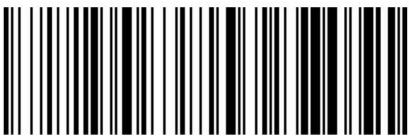
### 6.1 Mute



### 6.2 Low volume



### 6.3 Medium volume



### 6.4 High volume



## 7. Buzzer Setting

### 7.1 Buzzer frequency 2K



### 7.2 Buzzer frequency 2.7K



## 8. Transmission Mode

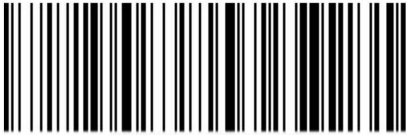
### 8.1 Enter normal mode



### 8.2 Enter inventory mode



### 8.3 Data upload



**8.5 Clear inventory data**



**8.4 Display total storage entries**

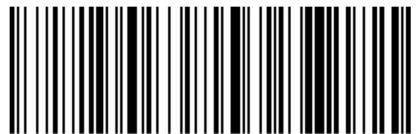


**9. Sleep Time Setting**

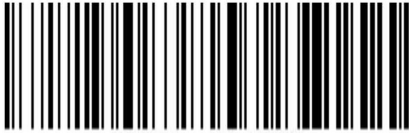
**30 seconds**



**1 minute**



**2 minutes**



**5 minutes**



**10 minutes**



**30 minutes**



**Never**



Sleep now



## 10. Display Battery

Display battery



## 11. Sound Settings

11.1 Scanning head sound



11.2 MCU sound



## 12. Vibration Setting (customized)

12.1 Turn on



12.2 Turn off



## 13. Transfer Settings

13.1 Fast



13.2 Medium



13.3 Low



**13.4 Ultra-low**



**14. Transmission Mode Settings**

**14.1 2.4G mode**



**14.2 Virtual Bluetooth mode**



**14.3 Bluetooth HID mode**



**14.4 Bluetooth SPP mode**



**14.5 Bluetooth BLE mode**



**14.6 Android input mode**



**14.7 Virtual serial port mode**



**15. Bluetooth Name Setting**

**Set Bluetooth name**



**Read Bluetooth name**



## The method of setting the Bluetooth name:

Scan the Bluetooth name barcode first, and then scan a barcode, this barcode will be set as the Bluetooth name.

### ※Note

a) The name can only be set up to 16 bytes. If the name bar code exceeds 16 bytes, the scanner will only take the first 16 bytes as the Bluetooth name.

b) The complete Bluetooth name includes Bluetooth name + protocol type, which only supports modifying the Bluetooth name. After modifying the Bluetooth name, the names of all Bluetooth protocols have been changed. For example: if the Bluetooth name is set as Scanner, the name of Bluetooth HID is Scanner HID, the name of SPP is: Scanner SPP, and the name of BLE is Scanner BLE.

## 16. HID Setting

### 16.1 Allow long press button to enter HID search



### 16.2 Prohibit long press button to enter HID search



### 16.3 HID Keyboard pop up/hide



### 16.4 Disable double-click to pop up/hide HID keyboard



### 16.5 Enable double click to pop up/hide HID keyboard



## 17. GS Conversion Character Settings

### 17.1 Set GS conversion character



### 17.2 Turn off GS character conversion



## 18. Prefix and Suffix Settings

To add the prefix and suffix, scan to set the prefix or suffix first, and then scan the corresponding bar code (for the bar code see appendix), the maximum number is 32 bytes.

To cancel the prefix and suffix, scan to set the prefix or suffix first, and then scan to exit the setting mode.

### Set prefix



### Set suffix



## 19. Hide Barcode

To hide the barcode, scan the front part of the hidden barcode or the back part of the hidden barcode first, then scan the hidden digits, and hide the number up to 4 bytes.

### 19.1 Hide the front of the barcode



### 19.2 Hide the back of the barcode



Hide 1 bit:



Hide 2 bit:



Hide 3 bit:



Hide 4 bit:



## 20. Add Function Keys

### 20.1 Add a carriage return at the end



### 20.2 Add a newline at the end



### 20.3 Add carriage return and line feed at the end



### 20.4 Add Tab at the end



### 20.5 Disable add at the end



## 21. Conversion to Uppercase or Lowercase

### 21.1 Cast to lowercase



### 21.2 Cast to uppercase



### 21.3 Convert between uppercase and lowercase



### 21.4 Disable convert case



## II. Function Mode Settings

This chapter can configure the function mode of the equipment, including working mode (such as image anti-white), Aimer setting, lighting configuration, LED indicator setting and beeper setting, etc. Kindly scan the corresponding configuration code according to the requirements in turn.

### 1. Working mode



7E9AA2

**\*Manual trigger mode**



7E9AA0

**Automatic scan mode**

### 2. Same bar code interval

Interval setting about automatic scan mode on same bar code



7EFD61

**50 ms**



7EFD62

**100 ms**



7EFD63

**150 ms**



7EFD64

**200 ms**



7EFD65

**250 ms**



7EFD66  
**300 ms**



7EFD68  
**400 ms**



7EFD610  
**500 ms**



7EFD616  
**800 ms**

### 3. Bar code Enable/Disable



FFFEFD

**Enable all bar codes**



FFFEFC

**Disable all bar codes**



FFFEFB

**Enable all 1-D codes**



FFFEFA

**Disable all 1-D codes**



FFFEF9

**Enable all QR codes**



FFFEF8

**Disable all QR codes**

#### 4. Lighting settings



B66771

**\*Aimer on**



B66770

**Aimer off**



B66781

**\*Light on**



B66780

**Light off**

### III. Output Configuration

This chapter can configure the output of the device, including entering/newline, add prefix/ suffix, fixed bar code length decoding, remove bar code number (start/end removal) and multi-country keyboard switching settings, etc. You only need to scan the corresponding configuration code as required.

#### 1. Enter/Newline settings



7CC791

**Add enter**



7CC790

**Cancel enter**



7CC781

**Add newline**



7CC780

**Cancel newline**

## 2. Additional code settings



6787D1

**Enable 2-bit additional code**



6787D0

**\*Disable 2-bit additional codes**



6787C1

**Enable 5-bit additional code**



6787C0

**\*Disable 5-bit additional digits**



678791

**All UPC/EAN codes must have additional codes**



678790

**\*No additional codes are required**

## IV. Bar code Configuration

This chapter can be used for bar code configuration, UPC/EAN, included Code bar code, Code39, Full ASCII Code39, Interleaved 2of 5, Code93, UPC-A, GS1 Data Bar Omnidirectional, GS1 Data Bar Expanded, PDF417, QR Code, Hong Kong 2of 5(China Post) and Airline 2 of 5 support bar code configuration, you just need to scan the configuration code as required. (default \*)

### 1. Airline 2of 5



6667A1  
**Enable**



6667A0  
**\*Disable**

### 2. Aztec Code



66C761  
**Enable**



66C760  
**\*Disable**

### 3. Coda bar



6677A1  
**\*Enable**



6677A0  
**Disable**

### 4. Coda block A



8CA761  
**Enable**



8CA760  
**\*Disable**

### 5. Coda block F



8CA771  
**Enable**



8CA770  
**\*Disable**

**6. Code 128**



667791  
**\*Enable**



667790  
**Disable**

**7. Code 11**



666791  
**Enable**



666790  
**\*Disable**

**8. Code 32**



6687B1  
**Enable**



6687B0  
**\*Disable**

**9. Code 39**



667771  
**\*Enable**



667770  
**Disable**

**10. Code 93**



667781  
**Enable**



667780  
**\*Disable**

**11. Composite**



A66761  
**Enable**



A66760  
**\*Disable**

## 12. Data Matrix Code



66B791  
**\*Enable**



A7F7D1  
**Enable DM mirror**



66B780  
**\*Disable DM anti-color**

## 13. EAN/UPC



6677C1  
**\*Enable**

## 14. EAN-8



6687A1  
**\*Enable**



6DF761  
**\*Enable EAN-8 Check Digit transmission**



66B790  
**Disable**



A7F7D0  
**\*Disable DM mirror**



66B883  
**Enable DM positive and negative color**



6677C0  
**Disable**



6687A0  
**Disable**



6DF760  
**Disable EAN-8 Check Digit transmission**



6DB781

**Enable EAN-8 converted to EAN-13**



6DB780

**\*Disable EAN-8 conversion to EAN-13**

**15. EAN-13**



668771

**\*Enable**



668770

**Disable**



6DF781

**\*Enable EAN-13 Check Digit transmission**



6DF780

**Disable EAN-13 calibration bits transmission**



A87781

**Enable Remove check code spaces**



A87780

**\*Disable Remove check code spaces**

**16. Full ASCII Code39**



6687D1

**Enable**



6687D0

**Disable**

**17. GS1 DataBar Expanded**



66A7B1

**Enable**



66A7B0

**\*Disable**

**18. GS1 Data Bar Limited**



66A7A1  
**Enable**



66A7A0  
**\*Disable**

**19. GS1 DataBar Omnidirectional**



66A791  
**Enable**



66A790  
**\*Disable**

**20. HAN XIN**



8D9771  
**Enable**



8D9770  
**\*Disable**

**21. Hong Kong 2 of 5(China Post)**



6697C1  
**Enable**



6697C0  
**\*Disable**

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

**22. Interleaved 2 of 5**



6677B1  
**\*Enable**



6677B0  
**Disable**

**23. Matrix 2 of 5**



6667B1  
**Enable**



6667B0  
**\*Disable**

**24. Maxicode**



66C7A1  
**Enable**



66C7A0  
**\*Disable**

**25. Micro PDF417**



66A7D1  
**Enable**



66A7D0  
**\*Disable**

**26. Micro QR Code**



66C7B1  
**Enable**



66C7B0  
**\*Disable**

**27. MSI**



668781  
**Enable**



668780  
**\*Disable**

**28. PDF 417**



666761  
**\*Enable**



666760  
**Disable**

**29. Pharm code**



ACF7B1  
**Enable**



ACF7B0  
**\*Disable**

**30. QR Code**



66C781  
**\*Enable**



A6E760  
**\*Enable Access to web site QR codes**



A86761  
**Enable QR mirror**



66C791  
**Enable QR anti-color**

**31. Straight 2 of 5 Industrial**



667761  
**Enable**

**32. Telepen**



6667D1  
**Enable**



66C780  
**Disable**



A6E761  
**Disable Close URL QR code**



A86760  
**\*Disable QR mirror**



66C790  
**\*QR anti-color off**



667760  
**\*Disable**



6667D0  
**\*Disable**

**33. Trioptic Code**



669781  
**Enable**



669780  
**\*Disable**

**34. UPC-A**



6687C1  
**\*Enable**



6687C0  
**Disable**



6DB7D1  
**\*Enable UPC-A output Check Digit**



6DB7D0  
**Disable UPC-A output Check Digit**



6DB771  
**\*Enable Output UPC-A digital system characters**



6DB770  
**Disable output UPC-A digital system characters**



6DB7A1  
**Enable UPC-A converted to EAN-13**



6DB7A0  
**\*Disable UPC-A converted to EAN-13**

**35. UPC-E**



668761  
**\*Enable**



668760  
**Disable**



6DB7C0

**\*Disable UPC-E output Check Digit**



6DB7C1

**Enable UPC-E output Check Digit**



6DB790

**\*Disable UPC-E send the first characters**



6DB791

**Enable UPC-E to send the first character**



6DB7B1

**Enable UPC-E extended to 12 bits**



6DB7B0

**\*Disable UPC-E extended to 12 bits**

### 36. Code ID



**Enable Output Code ID**



**Disable Code ID output**

#### Annex: Code ID Table

Bar code	Code ID	Bar code	Code ID
Code128	j	Plessey	n
GS1-128	j	matrix 2of 5	m
CODE39	b	industrial 2of5	F
EAN8	D	IATA 2OF 5	f
EAN13	d	CHINESE POST 2OF 5	Q
UPC-E	E	code 11	h
UPC-A	c	MSI	g
interleaved 2of 5	e	Code93	i
ITF-14		RSS-14	y
Coda bar	a	RSS-Limited	{
RSS-Expanded	}	GM Code	X
QR Code	s	Micro PDF 417	R
PDF417	r	Micro QR	-
Data Matrix	w	USPS Post net	P
Aztec Code	z	USPS Intelligent Mail	
Maxi code	x	Royal Mail	
HMS Code	H	USPS Planet	L
KIX Post	K	Australian Postal	A

## V. Prefix and Suffix Settings

Step:

1. Scan the setting code of Set Prefix or Suffix
2. Scan the corresponding setting code of “The Control Character Table”
3. Scan the corresponding “Escape Character Set”

### Set Prefix



### Set Suffix



PS: Read the “Set Prefix” or “Set Suffix” setting code and then read common barcode can clear all prefixes or suffixes.

### Explanation:

The prefix and suffix table is divided into two parts, the control character table part and the visible character table part. The visible character table is mainly ASCII characters whose key value is greater than 31. These characters can generally be output directly through the HID keyboard without escaping.

The control character table is mainly the characters whose key value is less than 32. Most of these characters cannot be output directly through the HID keyboard. They need to be escaped to be output from the HID keyboard. This barcode scanner defines 5 escape methods, which can be switched by scanning the setting code to change different escaping methods. Customers can set the appropriate escape character set according to the needs.

Set Escape Character Set 0:



Set Escape Character Set 1:



Set Escape Character Set 2:



Set Escape Character Set 3:



Set Escape Character Set 4:



## 1. The Control Character Table

10 HEX	ASCII	Char 0	Char 1	Char 2	Char 3	Char 4	Setting Code
1	SOH	NULL	Home	Ctrl+A	Alt+001	Numeric Keypad Enter	 %%01
2	STX	Ctrl+B	End	Ctrl+B	Alt+002	Cap Lock	 %%02
3	ETX	Ctrl+C	Up Arrow	Ctrl+C	Alt+003	Right Arrow	 %%03
4	EOT	*Customized Key 1	Down Arrow	Ctrl+D	Alt+004	Up Arrow	 %%04
5	ENQ	*Customized Key 2	Left Arrow	Ctrl+E	Alt+005	NULL	 %%05
6	ACK	*Customized Key 3	Right Arrow	Ctrl+F	Alt+006	NULL	 %%06
7	BEL	*Customized Key 4	Shift+Tab	Ctrl+G	Alt+007	Enter	 %%07
8	BS	Back Space	Back Space	Back Space	Alt+008	Left Arrow	 %%08
9	HT	Tab	Tab	Tab	Alt+009	Tab	 %%09
10	LF	Enter	Enter	Ctrl+J	Alt+010	Down Arrow	 %%0A

10 HEX	ASCII	Char 0	Char 1	Char 2	Char 3	Char 4	Setting Code
11	VT	NULL	NULL	Ctrl+K	Alt+011	Tab	 %%0B
12	FF	NULL	NULL	Ctrl+L	Alt+012	delete	 %%0C
13	CR	Enter	Enter	Enter	Alt+013	Enter	 %%0D
14	S0	F1	Page Up	Ctrl+N	Alt+014	Insert	 %%0E
15	S1	F2	Page Down	Ctrl+O	Alt+015	Esc	 %%0F
16	DLE	F3	F11	Ctrl+P	Alt+016	F11	 %%10
17	DC1	F4	NULL	Ctrl+Q	Alt+017	Home	 %%11
18	DC2	F5	NULL	Ctrl+R	Alt+018	Print Screen	 %%12
19	DC3	F6	NULL	Ctrl+S	Alt+019	Back Space	 %%13
20	DC4	F7	NULL	Ctrl+T	Alt+020	Shift tab	 %%14
21	NAK	F8	F12	Ctrl+U	Alt+021	F12	 %%15








10 HEX	ASCII	Char 0	Char 1	Char 2	Char 3	Char 4	Setting Code
22	SYN	F9	F1	Ctrl+V	Alt+022	F1	 %%16
23	TB	F10	F2	Ctrl+W	Alt+023	F2	 %%17
24	CAN	F11	F3	Ctrl+X	Alt+024	F3	 %%18
25	EM	F12	F4	Ctrl+Y	Alt+025	F4	 %%19
26	SUB	NULL	F5	Ctrl+Z	Alt+026	F5	 %%1A
27	Esc	Esc	F6	Ctrl+[	Alt+027	F6	 %%1B
28	FS	ALT+028	F7	Ctrl+\	Alt+028	F7	 %%1C
29	GS	ALT+029	F8	Ctrl+]	Alt+029	F8	 %%1D
30	RS	NULL	F9	Ctrl+^	Alt+030	F9	 %%1E
31	US	NULL	F10	Ctrl+_	Alt+031	F10	 %%1F

## 2. The Visible Character Table




10 HEX	ASCII	Setting Code
32	Space	 %%20
33	!	 %%21
34	"	 %%22
35	#	 %%23
36	\$	 %%24
37	%	 %%25
38	&	 %%26
39	'	 %%27
40	(	 %%28
41	)	 %%29
42	*	 %%2A

43	+	 %%2B
44	,	 %%2C
45	-	 %%2D
46	.	 %%2E
47	/	 %%2F
48	0	 %%30
49	1	 %%31
50	2	 %%32
51	3	 %%33
52	4	 %%34
53	5	 %%35

54	6	 %%36
55	7	 %%37
56	8	 %%38
57	9	 %%39
58	:	 %%3A
59	;	 %%3B
60	<	 %%3C
61	=	 %%3D
62	>	 %%3E
63	?	 %%3F
64	@	 %%40

65	A	 %%41
66	B	 %%42
67	C	 %%43
68	D	 %%44
69	E	 %%45
70	F	 %%46
71	G	 %%47
72	H	 %%48
73	I	 %%49
74	J	 %%4A
75	K	 %%4B

76	L	 %%4C
77	M	 %%4D
78	N	 %%4E
79	O	 %%4F
80	P	 %%50
81	Q	 %%51
82	R	 %%52
83	S	 %%53
84	T	 %%54
85	U	 %%55
86	V	 %%56

87	W	 %%57
88	X	 %%58
89	Y	 %%59
90	Z	 %%5A
91	[	 %%5B
92	\	 %%5C
93	]	 %%5D
94	^	 %%5E
95	_	 %%5F
96	`	 %%60
97	a	 %%61

98	b	 %%62
99	c	 %%63
100	d	 %%64
101	e	 %%65
102	f	 %%66
103	g	 %%67
104	h	 %%68
105	i	 %%69
106	j	 %%6A
107	k	 %%6B
108	l	 %%6C

109	m	 %%6D
110	n	 %%6E
111	o	 %%6F
112	p	 %%70
113	q	 %%71
114	r	 %%72
115	s	 %%73
116	t	 %%74
117	u	 %%75
118	v	 %%76
119	w	 %%77

120	x	 %%78
121	y	 %%79
122	z	 %%7A
123	{	 %%7B
124		 %%7C
125	}	 %%7D
126	~	 %%7E
127	DEL	 %%7F
199	Ç	 %%C7
231	ç	 %%E7