



Wireless Barcode Scanner





User Manual





Table of contents




Display version information	4
Display battery level	4
Restore default settings	4
Set as default mode	4
Manual Scan	5
Automatic scanning	5
American English (Chinese)	5
German	5
French.....	6
Spanish.....	6
Italian	6
Japanese.....	6
International universal keyboard.....	6
Belgian French.....	7
Portuguese	7
British English.....	7
German-language iOS keyboard (Apple system German-language keyboard).....	7
Brazilian Portuguese.....	7
Russian	8
Czech.....	8
Italy 142.....	8
Turkey Q.....	8
Turkey F.....	8
Sweden / Finland.....	9
Mexican Spanish.....	9
Danish	9
Norwegian (written Norwegian).....	9
Croatian / Serbian.....	9
Swiss German	10
Swiss French.....	10
Dutch	10
Hungarian	10
Polish	10
Canadian French.....	11
Argentina (Latin American)	11
Slovak.....	11




Vietnamese.....	11
Input GBK / Code Page encoding.....	12
Input UTF encoding.....	12
The Russian encoding format is CP1251.....	12
Russian encoding format is KOI8-R.....	12
Forced pairing with Dongle.....	12
Mute.....	13
low volume.....	13
Medium volume.....	13
high volume.....	13
Scan engine sound.....	13
Main control MCU speaks.....	14
Buzzer frequency 2K.....	14
Buzzer frequency 2.7 kHz.....	14
Enter normal mode.....	14
Enter inventory mode.....	15
Data Upload.....	15
Display total number of storage entries.....	15
Clear inventory data.....	15
Enter non-loss mode.....	15
Sleep time 30 seconds.....	16
Sleep time 1 minute.....	16
Sleep time 2 minutes.....	16
Sleep time 5 minutes.....	16
Sleep time 10 minutes.....	17
Sleep time 30 minutes.....	17
Sleep time 1 hour.....	17
Sleep time 2 hours.....	17
Sleep time 3 hours.....	18
Sleep time 4 hours.....	18
Sleep time 5 hours.....	18
Sleep time 6 hours.....	18
Sleep time 12 hours.....	18
Never Sleep.....	19
Sleep immediately.....	19
Vibration on.....	19
Vibration off.....	19
Fast transmission.....	19
Medium speed transmission.....	20
low-speed transmission.....	20
Ultra-low speed transmission.....	20
2.4G mode.....	20
Virtual Bluetooth mode.....	21
Bluetooth HID mode.....	21





Bluetooth SPP mode	21
Bluetooth BLE mode.....	21
Bluetooth HOG mode.....	21
Android input method mode.....	22
Virtual serial port mode	22
Read Bluetooth name.....	22
Set Bluetooth name.....	22
Allow long press of the button to enter HID search	23
Disallow long press of the button to enter HID search.....	23
HID keyboard pops up / hides	23
Disable double-click to pop up / hide the HID keyboard.....	23
Open / hide HID keyboard by double-clicking	24
Set GS conversion character.....	24
Turn off GS symbol conversion	24
Set prefix	24
Set suffix	24
Set the escape character set to 0 : (See the prefix and suffix character table for details).....	25
Set the escape character set to 1 : (See the prefix and suffix character table for details).....	25
Set escape character set 2: (See the prefix and suffix character table for details).....	25
Set escape character set 3: (See the prefix and suffix character table for details).....	25
Hidden barcode front.....	26
Hidden barcode back	26
Hidden 1 person.....	26
Hidden 2 positions.....	26
Hidden 3 positions.....	26
Hidden 4 positions.....	27
Add Enter(CR).....	27
Add LF.....	27
Add CR+LF	27
Add TAB	28
No terminal	28
Forced conversion to lowercase.....	28
Forced conversion to uppercase.....	28
Case conversion.....	28
Do not convert case	29
4800	29
9600	29
19200.....	29
38400.....	29
57600.....	30
115200	30
Display current time (optional feature).....	30
Add time before the barcode (optional feature).....	30
Add time after the barcode (optional feature).....	30





Display version information		
 %%SpecCode39		
Display battery level		
 %%SpecCode15		

Restore default settings		
 %%SpecCode93		
Set as default mode		
 %%SpecCode92		





Scanning Mode settings		
Manual Scan		
 <p>Manual mode(*)</p>		
Automatic Scan		
 <p>Automatic mode</p>		Continuous scanning  <p>Continuous mode</p>







Language-related settings		
American English (Chinese)		
 <p>%%SpecCode40</p>		
German		
 <p>%%SpecCode41</p>		



French		
 %%SpecCode42		
Spanish		
 %%SpecCode43		

Italian		
 %%SpecCode44		
Japanese		
 %%SpecCode45		
International universal keyboard		

 <p>%%SpecCode46</p>		
Belgian French		
 <p>%%SpecCode47</p>		
Portuguese		
 <p>%%SpecCode48</p>		

British English		
 <p>%%SpecCode49</p>		
German-language iOS keyboard (Apple system German-language keyboard)		
 <p>%%SpecCode4A</p>		
Brazilian Portuguese		

 <p>%%SpecCode4B</p>		
Russian		
 <p>%%SpecCode4C</p>		
Czech		
 <p>%%SpecCode4D</p>		

Italy 142		
 <p>%%SpecCode4E</p>		
Turkey Q		
 <p>%%SpecCode4F</p>		
Turkey F		



%%SpecCode50



Sweden / Finland



%%SpecCode51



Mexican Spanish



%%SpecCode52



Danish



%%SpecCode53





Norwegian (written Norwegian)







%%SpecCode54



Croatian / Serbian

 <p>%%SpecCode55</p>		
Swiss German		
 <p>%%SpecCode56</p>		
Swiss French		
 <p>%%SpecCode57</p>		

Dutch		
 <p>%%SpecCode58</p>		
Hungarian		
 <p>%%SpecCode59</p>		
Polish		



%%SpecCode5A



Canadian French



%%SpecCode5B



Argentina (Latin American)



%%SpecCode5C



Slovak



%%SpecCode5D



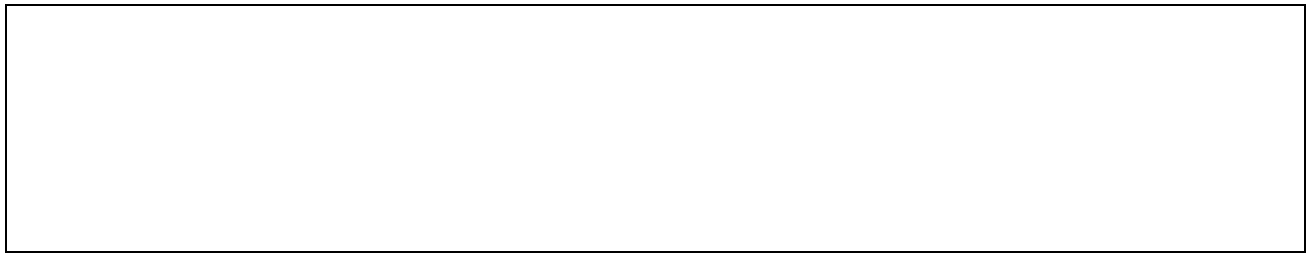
Vietnamese

Note : When setting up the Vietnamese keyboard, the barcode scanner must be set to UTF and the scanning head must be set to raw data.



%%SpecCode5F





Input GBK / Code Page encoding



%%SpecCodeB5



Input UTF encoding



%%SpecCodeB4



The Russian encoding format is CP1251.



%%SpecCodeBA1400



Russian encoding format is KOI8-R



%%SpecCodeBA1401



Forced pairing with Dongle



%%SpecCode99



Sound-related settings

Mute



%%SpecCode94



low volume



%%SpecCode95



Medium volume



%%SpecCode96




high volume





%%SpecCode97




Scan engine sound

 <p>%%SpecCode28</p>		
Main control MCU speaks		
 <p>%%SpecCode29</p>		
Buzzer frequency 2K		
 <p>%%SpecCode7C</p>		
Buzzer frequency 2.7 kHz		
 <p>%%SpecCode7D</p>		

Normal and Inventory Mode Settings		
Enter normal mode		
 <p>%%SpecCode10</p>		

--

Enter inventory mode

 %%SpecCode11		
---	--	---

--

Data Upload

 %%SpecCode16		
--	--	--

--

Display total number of storage entries

 %%SpecCode17		
---	--	---

--

Clear inventory data

 %%SpecCode18		
---	--	---

--

Enter non-loss mode

--

Note: The non-loss mode can guarantee no data loss under 2.4G and virtual Bluetooth. For Bluetooth HID/SPP/BLE, the non-loss mode is not recommended because the receiver is not under control.



Sleep time settings

Sleep time 30 seconds



Sleep time 1 minute



Sleep time 2 minutes



Sleep time 5 minutes



%%SpecCode33



Sleep time 10 minutes



%%SpecCode34



Sleep time 30 minutes



%%SpecCode35



Sleep time 1 hour



%%SpecCodeBA180168



Sleep time 2 hours



%%SpecCodeBA1802D0



Sleep time 3 hours



%%SpecCodeBA180483



Sleep time 4 hours



%%SpecCodeBA1805A0



Sleep time 5 hours



%%SpecCodeBA180708



Sleep time 6 hours



%%SpecCodeBA180870



Sleep time 12 hours



%%SpecCodeBA1810E0



Never Sleep



Sleep immediately



Vibration settings

Vibration on






Vibration off





Transmission speed settings

Fast transmission



Medium speed transmission		
 %%SpecCodeB1		
low-speed transmission		
 %%SpecCodeB2		
Ultra-low speed transmission		
 %%SpecCodeB3		

Working mode settings		
2.4G mode		
 %%SpecCodeA8		



Virtual Bluetooth mode



Bluetooth HID mode



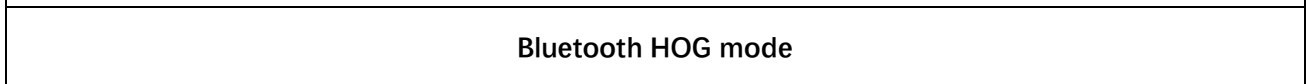
Bluetooth SPP mode



Bluetooth BLE mode



Bluetooth HOG mode





%%SpecCodeAA01



Android input method mode



%%SpecCodeAD



Virtual serial port mode



%%SpecCodeAE



Read Bluetooth name



%%SpecCodeED



Set Bluetooth name

To set a Bluetooth name: First, scan the barcode for setting the Bluetooth name, then scan another barcode; this second barcode will be set as the Bluetooth name. Note:

- a) The name can only be set to a maximum of 16 bytes. If the name barcode exceeds 16 bytes, the barcode scanner will only take the first 16 bytes as the Bluetooth name.
- b) The complete Bluetooth name includes: Bluetooth name + protocol type. Only the Bluetooth name can be modified. Modifying the Bluetooth name will change the names of all Bluetooth protocols. For example, if the Bluetooth name is set to "Scanner", then the Bluetooth HID name will be "ScannerHID", the SPP name will be "ScannerSPP", and the BLE name will be "ScannerBLE".



%%SpecCodeEC



Allow long press of the button to enter HID search



%%SpecCode79



Disallow long press of the button to enter HID search



%%SpecCode78



HID keyboard pops up / hides



%%SpecCode1A



Disable double-click to pop up / hide the HID keyboard



%%SpecCode7A



Open / hide HID keyboard by double-clicking



Set GS conversion character



Turn off GS symbol conversion



To add a prefix or suffix, first scan the barcode to set the prefix or suffix, then scan the corresponding barcode (see appendix for barcodes). A maximum of 32 bytes can be added. To remove a prefix or suffix, first scan the barcode to set the prefix or suffix, then scan to exit the setting mode.

Set prefix



Set suffix



Set the escape character set to 0 : (See the prefix and suffix character table for details)



Set the escape character set to 1 : (See the prefix and suffix character table for details)



Set escape character set 2: (See the prefix and suffix character table for details)



Set escape character set 3: (See the prefix and suffix character table for details)



The method for hiding barcodes involves first scanning the front or back of the barcode, then scanning the number of bytes to hide, with a maximum of 16 bytes to hide.

Hidden barcode front



Hidden barcode back



Hidden 1 person



Hidden 2 positions



Hidden 3 positions



Hidden 4 positions



Terminal settings

Add Enter(CR)



Add LF



Add CR+LF



Add TAB



No terminal



Forced conversion to lowercase



Forced conversion to uppercase



Case conversion



Do not convert case



%%SpecCodeA5



Real serial port mode baud rate setting

4800



%%SpecCodeBA1D04



9600



%%SpecCodeBA1D08













19200



%%SpecCodeBA1D10



38400

 <p>%%SpecCodeBA1D20</p>		
57600		
 <p>%%SpecCodeBA1D30</p>		
115200		
 <p>%%SpecCodeBA1D60</p>		
Display current time (optional feature)		
 <p>%%SpecCode1B</p>		
Add time before the barcode (optional feature)		
 <p>%%SpecCodeC1</p>		
Add time after the barcode (optional feature)		



%%SpecCodeC2










Disable barcode prefix and suffix times (optional function)

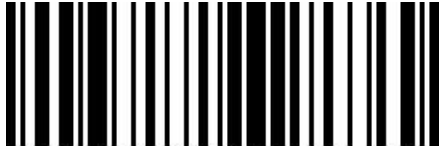
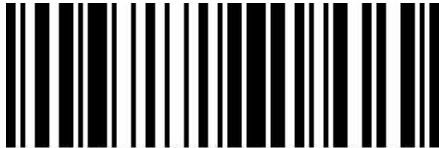
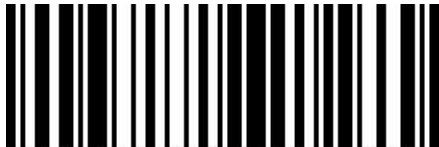







%%SpecCodeC0



15 Displayable Character Table


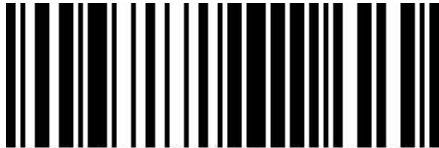






Decima l	ASCII	Corresponding Barcode
32	Space	 %%20
33	!	 %%21
34	"	 %%22
35	#	 %%23
36	\$	 %%24
37	%	 %%25
38	&	 %%26


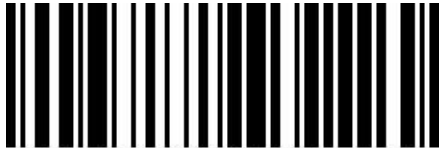






39	'	 %%27
40	( %%28
41)	 %%29
42	*	 %%2A
43	+	 %%2B
44	,	 %%2C
45	-	 %%2D
46	.	 %%2E

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	?	
64	@	
65	A	
66	B	
67	C	
68	D	
SFF69	E	
70	F	

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
164	▣	 %%A4
199	Ç	 %%C7
231	ç	 %%E7