

PRNT Y-01 Wireless Function Guide www.prntltd.com



V1.1.1

www.prntltd.com/drivers

Disclaimer

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

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Service Information

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Revision

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Chapter 1 System Setting

Query Firmware Version

Query the wireless module version



Query Firmware Version

Restore Factory Default



Restore Factory Default

Query Battery Level



Query Battery Level

Beeper

Beeper Volume



High (default)



Medium



Low



Mute

Beeper Frequency



2K (default)



Vibration

Optional function, valid for partial products.



Enable (default)



Disable

Scanner Sleep Mode



Sleep now



No Sleep



Sleep in 1 Minute



Sleep in 2 Minutes



Sleep in 5 Minutes (default)

Sleep in 10 Minutes



Sleep in 30 Minutes



Sleep in 60 Minutes



Chapter 3 Scan Mode

Trigger Scan Mode



Trigger Scan Mode (default)

Continuous Scan Mode



Chapter 4 Wireless Setting

Introduction

The scanner supports different way for connection with hosts. User can select proper way to connect.

Pair with dongle



Step 1: Press the button to start the scanner, the indicator light is always on after successful startup;

Step 2: Scan the "Quick Pair" barcode, the indicator light will flash



after successfully entering the pairing mode;

Step 3: Connect the dongle to the computer or other devices,

after successful pairing, the buzzer will beep and the indicator

light will be on.

Wireless Mode

2.4G Mode



2.4G Mode

Bluetooth HID Mode

Bluetooth HID mode: match with Android, ios system cell phone or PC terminal with Bluetooth function.



Bluetooth HID Mode



How to pair Bluetooth method 1:

A: Press the button to start the scanner, the indicator light is always on after successful start;

B: Long press the button for 8 seconds to enter the Bluetooth HID

pairing mode, after successfully entering the HID pairing mode,

the buzzer feedback and the indicator light will flash alternately;

C: Searches for "Barcode Scanner HID" bluetooth device on host device.

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

E: After successful pairing, the buzzer will give feedback and the

indicator light will be always on.

How to pair Bluetooth method 2:

A: Short press the button to start the scanner, the indicator light is always on after successful start;

B: Scan the "Bluetooth HID mode" barcode;

C: Scan the "Quick Pair" barcode, after successfully entering the HID pairing mode, the buzzer feedback and the indicator light flashes alternately;

D: Searches for "Barcode Scanner HID" on host device and clicks on it for pairing;

E: After successful pairing, the buzzer gives feedback and the blue indicator light is always on.

Bluetooth SPP Mode

Bluetooth SPP mode: Android devices or PC-based enterprise or private customized Bluetooth serial software.



Bluetooth SPP Mode



A: Press the button to start the scanner, the indicator light is always on after successful start;

B: Scan the barcode of "Bluetooth SPP mode", the indicator light

blinks after successfully entering the Bluetooth SPP mode;

C: Search for "Barcode Scanner SPP" on host device and click on

the pairing;

D: After successful pairing, the buzzer will beep and the blue

indicator light will be on.

Bluetooth BLE Mode

Bluetooth BLE mode: ios device enterprise or private customized Bluetooth serial software.



Bluetooth BLE Mode



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

B: Scan the "Bluetooth BLE mode" barcode, the indicator light

blinks after successfully entering the Bluetooth BLE mode;

C: Turn on the Bluetooth in the host device and search for

Barcode Scanner BLE;

D: Click "Barcode Scanner BLE", pairing

E: After successful pairing, the buzzer will beep and the blue light will be on at the same time;

Android Input Mode



Only valid for Bluetooth Mode.



Android Input Mode

USB Virtual COM



Only valid for wired connection mode.



Bluetooth Device Name

Set user-specified Bluetooth name.



Please proceed with caution before familiarizing yourself with the

following instructions.



Set Bluetooth Name

A: Scan the "Set Bluetooth Name" barcode;

B: Scan the "Customized Device Name" barcode again, and the barcode will be set to the Bluetooth name.

Attention:

a) The maximum length of the name can only be set to 16 bytes, if the name barcode exceeds 16 bytes, the scanning gun will only take the first 16 bytes as the Bluetooth name.

b)Bluetooth complete name includes: Bluetooth name + protocol type, only support modify Bluetooth name. After modifying the Bluetooth name, all Bluetooth protocol names will be modified. For example: if you set the Bluetooth name to: Scanner, then the name of Bluetooth HID is: ScannerHID, the name of SPP is: ScannerSPP, the name of BLE is: ScannerBLE

Query Bluetooth Name

Example



Long Press Trigger to Re-connect Bluetooth HID



Enable (default)



Disable



This feature setting barcode is effective in any mode.

Bluetooth HID Keyboard



This function needs to be valid in ios system when Bluetooth HID connection is successful.



HID Keyboard Show/Do not Show



Press Trigger Twice to Show/Hide HID Keyboard



Disable

Data Transmission Mode

Real-Time Mode



Real-Time Mode

Batch Mode

If the scanner works beyond the transmission range of the wireless, it is recommended to use the storage mode. In storage mode, the scanner will emit a short tone (low frequency first and then high) while the indicator light blinks once after successful scanning, and the scanned barcode will be automatically stored in the scanner. If the internal storage is full, the scanner will issue a low-frequency short tone for the alarm, while the indicator light flashes 3 times.



Batch Mode

No-Loss Mode

No loss mode can guarantee data no loss under 2.4G and virtual Bluetooth. Bluetooth HID/SPP/BLE is not recommended to use no loss mode due to host device is uncontrolled.



No-loss Mode

Display Stored Data Numbers



Display Stored Data Numbers

Upload Stored Data

Upload storage data by scanning the "Upload Data" barcode, the barcode stored in the scanner will not be automatically deleted after the data is uploaded, and the user can upload storage data several times by scanning the "Upload Data".





When uploading data, please try to make sure that the wireless signal connection is good, or upload with the data cable connected.

Clear Stored Data



Data Transmission Speed

If there is missed data on the receiving end, the rate of occurrence should be turned

down, which is prone to occur on poorly performing host device.



Fast (only valid for Bluetooth Mode)

(default)



Medium (only valid for Bluetooth Mode)



Low (only valid for Bluetooth Mode)

Ultra Low (only valid for Bluetooth Mode)

BT HID Country Keyboards



United State (default)



Germany

France



Spain

Italy



Japan



International Keyboard





Portugal



United Kingdom

German IOS



Brazil-Portuguese

Russia

Czech

Italy 142



Turkey Q

Turkey F



Sweden/Finland

Mexico-Spanish



Denmark

Norway



Swiss-German



Swiss French



The Netherlands





Poland



Argentina (Latin American)



Slovak

Chapter 5 Data Format

Prefix/Suffix

To add prefix and suffix, first scan to set prefix or suffix, then scan the corresponding

barcode (see appendix for barcode), up to 32 bytes.

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



Add Prefix



Character Conversation Set

The prefix and suffix table is divided into two parts: the displayable character table part and the control character table part.

Displayable Character Table: Mainly ASCII characters with key value greater than 31.

This part of the characters can be directly output through the HID keyboard, no need

to escape.

Control Character Table: Mainly characters with key value less than 32 (see Appendix 2

for barcode), most of these characters can not be directly output through the HID

keyboard, and need to be escaped to be output from the HID keyboard. This scanner

defines 5 kinds of escaping methods, and different escaping methods can be switched by scanning the code. Customers can set the appropriate escape character set according to their own needs.





Character Conversion Set 1



Character Conversion Set 2



Character Conversion Set 3

GS Replace Character



Enable GS Replace



Disable GS Replace

Hide Decoded Bar Code Data

隐藏条码方法: Scan Hide Front-Segment Decoded Data or Scan Hide Back-Segment

Decoded Data to decide that you need to hide front or back segment data, then scan

corresponding digital barcodes to hide the data, up to 16 characters can be hided.



Hide Front-Segment Decoded Data



Hide Back-Segment Decoded Data



Hide 1 Digit



Hide 2 Digits





Hide 4 Digits

Terminator Suffix



Carriage Return(default)



Line Feed



Carriage Return + Line Feed



Tab



No Terminator Suffix

Case Conversion

Conversion only affects only scanned bar code data, and does not affect Code ID,

suffix, prefix and other appended data.



No Case Conversion(default)





Convert to upper case



Convert to lower case

Transmit Time before/after barcode data



Transmit Real Time now

(relative time)



Transmit Time before barcode data (relative time)



Transmit Time after barcode data

(relative time)



Disable (default)

Appendix

Appendix 1 Control Character Set

decimal	ASCII	character set 0	character set 1	character set 2	character set 3	character set 4	Programming Barcode
1	SOH	NULL	Home	Ctrl+A	Alt+001	keypad Enter	
2	STX	Ctrl+B	End	Ctrl+B	Alt+002	Cap Lock	
3	ETX	Ctrl+C	Up Arrow	Ctrl+C	Alt+003	Right Arrow	
4	EOT	*User-specified Key 1	Down Arrow	Ctrl+D	Alt+004	Up Arrow	
5	ENQ	*User-specified Key 2	Left Arrow	Ctrl+E	Alt+005	NULL	
6	ACK	*User-specified Key 3	Right Arrow	Ctrl+F	Alt+006	NULL	
7	BEL	*User-specified Key 4	Shift+Tab	Ctrl+G	Alt+007	Enter	
8	BS	Back Space	Back Space	Back Space	Alt+008	Left Arrow	
9	HT	Tab	Tab	Tab	Alt+009	Tab	

10	LF	Enter	Enter	Ctrl+P	Alt+010	Down Arrow	
11	VT	NULL	NULL	Ctrl+Q	Alt+011	Tab	
12	FF	NULL	NULL	Ctrl+R	Alt+012	delete	
13	CR	Enter	Enter	Enter	Alt+013	Enter	
14	SO	F1	Page Up	Ctrl+N	Alt+014	Insert	
15	S1	F2	Page Down	Ctrl+O	Alt+015	Esc	
16	DLE	F3	F11	Ctrl+P	Alt+016	F11	
17	DC1	F4	NULL	Ctrl+Q	Alt+017	Home	
18	DC2	F5	NULL	Ctrl+R	Alt+018	Print Screen	
19	DC3	F6	NULL	Ctrl+S	Alt+019	Back Space	
20	DC4	F7	NULL	Ctrl+T	Alt+020	Shift tab	

21	NAK	F8	F12	Ctrl+U	Alt+021	F12	
22	SYN	F9	F1	Ctrl+V	Alt+022	F1	
23	ТВ	F10	F2	Ctrl+W	Alt+023	F2	
24	CAN	F11	F3	Ctrl+X	Alt+024	F3	
25	EM	F12	F4	Ctrl+Y	Alt+025	F4	
26	SUB	NULL	F5	Ctrl+Z	Alt+026	F5	
27	Esc	Esc	F6	Ctrl+[Alt+027	F6	
28	FS	ALT+028	F7	Ctrl+\	Alt+028	F7	
29	GS	ALT+029	F8	Ctrl+]	Alt+029	F8	
30	RS	NULL	F9	Ctrl+^	Alt+030	F9	
31	US	NULL	F10	Ctrl+_	Alt+031	F10	

Appendix 2 Normal Characters

decim al	ASCII	Programming Barcodes
32	Space	
33	ļ	
34	Π	
35	#	
36	\$	
37	%	
38	&	
39	I	
40	(
41)	

42	*	
43	+	
44	,	
45	-	
46		
47	/	
48	0	
49	1	
50	2	
51	3	
52	4	

53	5	
54	6	
55	7	
56	8	
57	9	
58	:	
59	;	
60	<	
61	=	
62	>	
63	?	

64	@	
65	A	
66	В	
67	С	
68	D	
69	E	
70	F	
71	G	
72	Н	
73	I	
74	J	

75	К	
76	L	
77	М	
78	Ν	
79	0	
80	Р	
81	Q	
82	R	
83	S	
84	Т	
85	U	

86	V	
87	W	
88	х	
89	Y	
90	Z	
91	[
92	١	
93]	
94	٨	
95	_	
96	``	

97	a	
98	b	
99	с	
100	d	
101	e	
102	f	
103	g	
104	h	
105	i	
106	j	
107	k	

108	I	
109	m	
110	n	
111	0	
112	р	
113	q	
114	r	
115	S	
116	t	
117	u	
118	V	

119	W	
120	x	
121	У	
122	Z	
123	{	
124	I	
125	}	
126	~	
127	DEL	
199	Ç	
231	Ç	