

Wireless Barcode Scanner Quick Setup Guide



Reset to Defaults



Handset&Cradle



A Handset

- ① Data Indicator (Front)
- ② Power Indicator (Back)
- ③ Trigger
- ④ View window of capture

B Cradle, data relay and charging handset

- ⑤ Indicator
- ⑥ Pairing Button
- ⑦ Channel Button
- ⑧ Data & Power Interface

Installation

Step1. Refer to the below pictures, connect the cradle to host (e.g. PC) with different cables firstly:

USB End: Plug the RJ45 end into cradle ⑧, and plug the other end to the host.



USB cable

Keyboard PS/2 End: Plug the RJ45 to cradle ⑧, and connect the male PS/2 end to PC port and the female end with keyboard wire.



PS/2 cable

RS232 End: RS232 cable RJ45 side to connect cradle ⑧, the other side to connect to PC. Power port on RS232 cable connect to power adaptor(DC5V).



RS232 cable

Typically, the cradle will identify the interface type automatically. In

extreme cases cradle may need a manual setting if the host fails to identify it. Please trigger the code below for manual setting.

Automatic Identification(Default)



Note: The auto setting of interface type will only be activated when the pairing is well done. Please refer to the Step2 and Step3 for pairing.

Step 2. Put the handset onto the cradle, then pair the handset and cradle: Press and hold cradle ⑥ for about 4 seconds, until the handset issued a "beep-beep-beep" sound.

Note: 1 cradle can support maximum 100 handsets. The handset cannot upload data if the handset and cradle were not well paired.

Usage of Scanner

Power On/Power off

Scanner will be power on when the trigger is pulled. When the scanner is not operated for 30 seconds, it will turn off automatically.

Code capture

In the standby mode, pull the trigger to capture code. Make sure the red aiming line is covering the full code.

Recharging

- Place the handset onto the cradle to start recharging.
- Using USB DC adapter or USB ports on PCs as the power source, it can be charged by MicroUSB cable via interface at the handset bottom.

Note : 1. When the handset is low power, the power indicator ② will be flashing green.

2. When the handset is recharging, the power indicator keeps flashing red, and it turns yellow on when charging finishes.

Built-in Data Memory

In Auto-storing Mode, if the handset is out of contact distance limit with the cradle, the captured code data will be saved into built-in handset memory and the data indicator ① turns red. The handset will upload the code data to the cradle automatically when the contact connection comes back normal. Then the data indicator ② turns green.

Multi-Cradles working

In case two or more cradles working in the same room, please set them to different channels to ensure high upload efficiency as follow.

- Open a notepad or any text editor on the host to display the channel number.
- Press the cradle Channel button ⑦ to change the channel number.
- Put the handset onto the cradle. Press and hold the cradle button ⑥ for about 4 seconds to pair the handset and cradle.

Remark: If two or more cradles working in the same signal channel, it will slow down upload speed. However, they won't jam with each other.

Indicator&Button

Scanner Indicator

Indicator	state	Meaning
Power Indicator (② Back)	Green	Started normally
	Green flash	Power low, need to recharge
	Red flash	Recharging
Data indicator (① Front)	Yellow	Recharge finished
	Green	All data uploaded
	Red	Stored data pending to upload
Data indicator (① Front)	Red flash	Data storage is full
	Yellow flash	Data is uploading

Possibility of upload failures: Cradle disconnected to PC; Exceeding distance limit; Handset working in Manual Upload Mode (stock check).

Cradle Indicator

Light	Meaning
Green	Flashing: Identifying interface On: Interface is identified
Red	Flashing:Receiving code data On:Stored data pending to upload

Cradle Button

Button	Position (mark)	Function
Pairing Button⑥	Left	Press and hold it 4seconds to pair the handset and cradle. A “Dee-Doo-Dee” means pairing finishes.
Channel Button⑦	Right	Settingsignal channel. One press for one channel No. up.

Settings

Set Defaults



Notice: The setting to the cradle must be done after the handset is well paired with cradle.

Information Check

Handset Serial No.	
Cradle Serial No	
Battery Power	
Channel & Handset ID	

Suffix Quick Setup

CR (Default)	
CR+LF	
None	

Setting the Data Upload Mode

No Storing Mode: Every code data will be uploaded instantly to the cradle once they are well captured. In case of unsuccessful upload, the code data will be ignored and alarm of “Dee-Dee-Dee” will come out.

Auto Storing Mode (Default): The data will be stored in the handset memory in case of upload failure to cradle. And the data will be uploaded to cradle once the contact connection come back normal.

Manual Mode: The code data will firstly be stored in the built-in handset memory once well captured. It can store up to 10,000pcs code data. The data would be uploaded to cradle in one time once the Upload Start Code is manually triggered.

During the process of uploading or after upload well finished, if the Upload Start code is triggered, allcode data stored in handset will be uploaded again.

Auto Storing(Default)	
No Storing	
Manual Mode	
Upload Start(in Manual Mode)	

Remark: In the Manual Mode, all stored code data will be kept untilmanually erased. Every time the Upload Start code is triggered, all code datastoredin handset will be uploaded again. To avoid duplicating upload data, please trigger Erase Storage code to clear handset data.

Erase Storage	
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Insert Scanner ID before Barcode

In case two or more handsets are connected to the same cradle, the handset ID can be inserted as prefix to each captured code in order to identify the handset of capturing and uploading the single code.

Start insertinghandset ID	
Stop inserting handset ID (Default)	

Setting Power of Wireless Communication

High (Default 16dBm)	
Middle (8dBm)	
Low (0dBm)	

Caution: Please check with your local authority and set the power of wireless communication according to local rules and regulations.

Setting the Volume of Beeper

High (Default)	
Middle	
Low	
Mute	

Prefix

Start Transmit Prefix	
Stop Transmit Prefix (Default)	
Scan Prefix(0~16 Chars, 2Digits/Char; 00~FF; 00*)	

Suffix

Suffix (Default)	
Do Not Transmit Suffix	

Scan Suffix (0~22 chars, 2 Digits/Char; 00~FF; 0D*)



Parameter bar code

0	
1	
2	
3	
4	
5	
6	
7	
8	
A	
B	
C	
D	
E	
F	
Finish Setting	

Table 1 Function Keys

H L	P/S2 keyboard/USB		RS-232	
	0	1	0	1
0	Null		NUL	DLE
1	Up	F1	SOH	DC1
2	Down	F2	STX	DC2
3	Left	F3	ETX	DC3
4	Right	F4	EOT	DC4
5	PgUp	F5	ENQ	NAK
6	PgDn	F6	ACK	SYN
7		F7	BEL	ETB
8	Bs	F8	BS	CAN

9	Tab	F9	HT	EM
A		F10	LF	SUB
B	Home	Esc	VT	ESC
C	End	F11	FF	FS
D	Enter	F12	CR	GS
E	Insert	Ctrl+	SO	RS
F	Delete	Alt+	SI	US

Table 2 Chars

H L	2	3	4	5	6	7
0	SP	0	@	P	`	p
1	!	1	A	Q	a	q
2	"	2	B	R	b	r
3	#	3	C	S	c	s
4	\$	4	D	T	d	t
5	%	5	E	U	e	u
6	&	6	F	V	f	v
7	'	7	G	W	g	w
8	(	8	H	X	h	x
9	)	9	I	Y	i	y
A	*	:	J	Z	j	z
B	+	;	K	[	k	{
C	,	<	L	\	l	|
D	-	=	M	]	m	}
E	.	>	N	^	n	~
F	/	?	O	_	o	DEL

Example:

Set a Prefix "ab":

- 1.Find out "a" and "b" in the table 2("61"and "62")in the ASCII
2. Trigger the barcode "Scan Prefix"and then the "6", "1", "6", "2", "Finish Setting" one by one.
- 3.Triggerthe barcode "Transmit Prefix".