

**Wireless**  
**2D Barcode Scanner**  
**User Manual**

2.4G/433M/Bluetooth

**V6.2D**



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# Quick-start

## Restore defaults

Scan the “Restore Custom defaults”.



Restore Custom defaults



Write to Custom Defaults

## Quick-start : 2.4G/433M

The factory has been matched and you can use it directly.

Matching Operation :

1, Press the button, the buzzer rang “Di-di-di” , the blue light is on, the scanner starts.

Note: In the 2.4g mode of the Bluetooth scanner , the light is green.

2, Plug the dongle, the blue light is on, the Dongle starts to work.

3, Please match the dongle and the scanner within 30 seconds!

4, Open a text, put the cursor in, Scan your barcode.



Match(match the scanner and the dongle)

## Quick-start : Bluetooth

**For Android、IOS**

1, Press the button, the scanner starts, The red light flashing and the blue light is on which means in matching mode.

2, The Scanner name: “Scanner xxx”, xxx is 3 random Numbers.

3, Choose the scanner is going to pair with the host, When the connection is successful, the red light goes out and the blue light is on, the buzzer rang “DI-di”.

## **Recommending use 2.4G mode or wire-USB at the windows !**

- 1, Switch the Bluetooth scanner to 2.4G mode, plug in the 2.4G-dongle, and scan the "Match" Barcode.
- 2, Use the USB-cable to connect the computer.

## **General Settings**

### **Match and Network (2.4G, 433M)**

#### **Match:**

Plug the dongle to your computer, the system will automatically install the driver, when it start to work , the blue light is always on, Match the scanner and the dongle by scan the "Match" Barcode.

(1) Matching successfully: the buzzer rang " Di-da-di", "DI-di-di".

(2) Matching failed: the buzzer rang " Di---en".

If pairing fails, please unplug the dongle and try the matching operation again.

#### **Network:** One to one , More to one

One to one —one scanner to one dongle

- 1, Plug the dongle to your computer.
- 2, Scan the "Match" bar code to Match the dongle.

More to one —several scanners to one receiver.

If you have 3 scanners: scanner A, scanner B, scanner C.

- 1, Plug the dongle to your computer.
- 2, Match for the scanner A: A scan the "Match" Barcode.
- 3, Unplug the dongle and Plug the dongle again.
- 4, Match for the scanner B: B scan the "Match" Barcode.
- 5, Unplug the dongle and Plug the dongle again.
- 6, Match for the scanner C: C scan the "Match" Barcode.
- 7, After that ,3 scanners can transmit the data to the dongle.

At "More to one", Which scanner is the data received?

You can set different prefix characters to distinguish which scanner uploads the data.

For example :

A scanner sets the prefix character "A".

B scanner sets the prefix character "B".

C scanner sets the prefix character "C".

## Working Mode

Two upload mode: Instant upload mode、storage mode.

### Instant upload Mode

Instant upload data to your computer.



Instant upload Mode

(1) Upload successful: The status light flashed and the buzzer rang "Di".

(2) Upload failed: The red light flashed and the buzzer rang "Di---en".

If you receive upload-failed, Please confirm the match is successful.

If you receive upload-successful but no data, Please confirm the dongle in USB-HID mode.

### Storage Mode

Scan and store barcode inside the scanner, and uploaded the data to your computer when you need it.



Storage Mode

Note: Instant upload mode and storage mode, the sound of reading barcode is different.



Show total storage  
(Show total number of memory)



Upload Data  
(Upload Data to your computer)












Zero clearing  
(Clear all data in memory, Please use it with caution)

- 1, Save successful: The status light flashed and the buzzer rang “ Di-en ”.
- 2, Save failed: The red light flashed and the buzzer range “ Di---en”, This indicates that there was not enough memory to save the bar code. Please upload the saved bar code by scanning “Upload Date” and then clear the Memory by scanning “Zero cleaning”.
- 3, Upload completed: the buzzer rang “ Di-do-en ”.

## Transmission speed










### HID-speed

Set the delay between each character, the range of 00-99 can be set. the larger the value, the slower.

 <p>No delay</p>	 <p>HID-speed 5</p>	 <p>HID-speed 10</p>
 <p>HID-speed 15</p>	 <p>HID-speed 20</p>	 <p>HID-speed 30</p>
 <p>HID-speed 40</p>	 <p>HID-speed 50</p>	 <p>HID-speed 60</p>
<ol style="list-style-type: none"> <li>1, In 2.4G or 433M mode, this parameter is stored in the dongle and defaults is "No delay". When there is no matching dongle, scanning this setting code is invalid.</li> <li>2, In Bluetooth mode, this parameter is stored in the scanner, the default is "HID-speed 30".</li> <li>3, In Bluetooth mode, If the data is lost, please set a slower HID speed.</li> </ol>		

## Upload speed

For storage mode, set the time delay between each barcode, the range of 001-255 can be set. the larger the value, the slower, the defaults is "010".

 Upload-speed 000	 Upload-speed 001	 Upload-speed 002
 Upload-speed 005	 Upload-speed 010*	 Upload-speed 015
 Upload-speed 040	 Upload-speed 050	 Upload-speed 060

## Interface setup

Suitable for wired scanner, Dongle, Base.

 USB-HID*	 USB-COM	 TTL/RS232
Note1: It supports 25 languages in USB-HID mode, Please refer to appendix 3. Note2: Dongle and wired-USB mode support USB-HID, USB -COM. Note3: In use, no data is uploaded . It may be set to USB-COM or TTL/RS232.		

### Dongle indicator light

- (1) Blue LED always on means the dongle is normal.
- (2) Blue LED flashing means the dongle is broken or the USB port is bad.

### Base indicator light

- (1) Blue LED always on indicates that the dongle is normal.
- (2) Blue LED flashing means the dongle is broken or the USB port is bad.
- (3) Green LED always on means the base and scanner are in good contact.

### Wired USB function switch - wireless series

Plug in the USB cable, and the scanner will automatically switch to the wired mode. Unplug the USB cable and automatically switch to the wireless mode. You can disable the wired function by setting code.



Wire-ON \*



Wire-OFF

## Trigger Mode



Keys Trigger \*



Continuous Mode



Auto-sense-ON



Auto-sense-OFF

Continuous Mode can be used for a long shutdown time or never shut down.

## Power and Standby



Battery Reserve (show battery level)

### Shutdown time setting



90s



2min\*



5min



30min



60min



166min40s

There are 2 setting codes set for Not shutdown.



Not shutdown



Not shutdown-Enabled once



Shutdown



## Battery level indication

- 1, The scanner starts, when the buzzer rang “Di-di-di” and the blue light is on with no red light flashing, it indicates that the battery is sufficient.
- 2, The scanner starts, when the buzzer rang “Di-di-di” and the blue light is on with the red light flashes three times, it indicates that the battery less than 20%, please charge the scanner as soon as possible.
- 3, The scanner starts, when the buzzer rang “Di-di-di” and the blue light is on with the red light flashes three times, it indicates that the battery less than 5%, The scanner enters the low battery protection mode. Please charge the scanner at least for 30 minutes.
- 4, Press the button, the scanner does not respond. Please charge the scanner at least for 30 minutes. If the scanner still cannot start, this indicates that the battery is broken and needs to be replaced.

## LED tips during charging

Plugged the USB cable into the USB port of computer.

- 1, Charging mode: the status light is on with the red light flashing.
- 2, Charging completed: the status light is on and the red light goes out.
- 3, Micro-current charging: the status light off and the red light flashing, this is battery protection phase, please do not use it in this condition.

## Bluetooth- Setup

- 1, Bluetooth scanner has three modes: Bluetooth, 2.4G, Wire.
- 2, The default mode of the scanner is Bluetooth mode.

Press the button, the buzzer rang “Di-di-di”, The red light flashing and the blue light is on which means in matching mode, the green light is on which means in 2.4G mode,

## Bluetooth/2.4G Switch operation

- 1: Press the button for 10seconds,    2: Scan the settings barcode.



Bluetooth-mode\*











2.4G-mode








## Switch process description







In Bluetooth mode, Press and hold the button for 10seconds, the buzzer rang “ Di-da-di”, “DI-di-di”. Means that the switching operation is complete, Release the button, The green light is on which means the scanner successfully switches to 2.4G-mode.

In 2.4G mode, Press and hold the button for 10seconds, the buzzer rang “ Di-da-di”, “DI-di-di”. Means that the switching operation is complete , Release the button, The blue light is on which means the scanner successfully switches to Bluetooth-mode.






<b>Bluetooth Mode</b>		
 Bluetooth-HID	 Bluetooth-SPP	 Bluetooth-BLE
<b>IOS keyboard</b>  Show/hide IOS keyboard Note: Scan this barcode to show/hide the keyboard in IOS		
 Show/hide IOS keyboard double-click -ON*	 Show/hide IOS keyboard double-click -OFF	
<b>Bluetooth connection settings</b>		
 Off connection	 Connection initialization	

### **Buzzer setup**





 Turn on all sounds*	 Turn off all sounds	
 Sound frequency 2048HZ	 Sound frequency 2731HZ	
 Low volume	 Medium volume	 High volume *

Sound settings	
 Beep after good decode-ON*	 Beep after good decode-OFF
 Boot sound-ON*	 Boot sound-OFF
 Setup code sound-ON*	 Setup code sound-OFF*

## End character

End character is used to mark the end of a barcode data.	
 CR *	 LF
 Tab	 CR+LF
 None	

## Capital & Lowercase

 Swap capital/lowercase	 All lowercase
 All capital	 Don't convert *

## Barcode Reading function

### ID, ON/OFF, Min-digits

#### Barcode-ID:

The scanner defines ID characters for each type of barcode, we can use the Code ID prefix to identify the barcode type.



Send ID-OFF \*



Send ID-ON

No.	Barcode-ID	Barcode type
1	a	UPC-A, UPC-E, EAN-8, EAN-13
2	b	Code 39, Code 32
3	c	Coda bar
4	d	Code 128
5	e	Code 93
6	f	Interleaved 2 of 5
7	g	Discrete 2 of 5
8	h	CODE11
9	i	MSI
11	j	GS1-DataBar, /UCC/EAN-128
12	k	Bookland EAN, Bookland EAN/ISBN
13	l	Trioptic Code 39
14	m	Coupon Code
15	n	GS1DataBar-14, GS1DataBarLimited, GS1DataBar Expanded, RSS
16	o	SETUP128
17	p	PDF417
18	q	Data Matrix(DM)







19	r	QR
20	s	Aztec Code
21	t	Maxi Code
22	u	Veri Code
23	v	HanXin

### Minimum digits:

In order to prevent error codes, the scanner sets the minimum number of digits for barcode reading. Bar codes less than the default minimum digit are not readable.

## Duplicate barcode upload Setup

For a period of time, the same barcode is not allowed to be read continuously to avoid repeated upload.

 <p>Duplicate detection-OFF* (upload duplicate barcode)</p>	 <p>Duplicate detection-ON (Unable to upload duplicate barcode)</p>
 <p>Duplicate detection 1 S</p>	 <p>Duplicate detection 5 S</p>
 <p>Duplicate detection 10 S</p>	 <p>Duplicate detection 25 S</p>
<p>For example: Set the "Duplicate detection 5 S".</p> <p>After scanning A bar code, the scanning A bar code will not be uploaded within 5 seconds, and it will be handled as upload failure, Scan other barcodes and then scan A barcode to upload.</p>	

## Barcode Parameter Settings

### 1. All Barcode Switch



enable



disable

### 2. 1d code master switch



enable



\*disable

### 3. 2d code master switch



enable



\*disable

### 4. Reverse code reading

Mainly for the 1D code switch, the 2D code is recommended to open separately, 2D code has a separate switch



enable



\*disable

5. Read Multiple Barcodes at once

(1) Must read Multiple Barcodes at once



able



disable

(2) number of barcodes read at one time



1



2



3

6. UPC-A

(3) UPC-A enable/disable



\*enable



disable

(4) UPC-A Preamble



No Preamble



\*System Character



System Character & Country Code

(5) UPC-A check bit



Do not transmit UPC-A check bit



\*transmit UPC-A check bit

7. UPC-A additional code

(1) UPC-A 2 additional code



enable



\*disable

(2) UPC-A 5 additional code



Enable



\*disable



(3) UPC-A Must read additional code



Enable



\*disable

8. UPC-E

(1) UPC-E enable/disable



\*enable



disable

(2) UPC-E Preamble



No Preamble

Character



\*System



System Character & Country Code

(3) UPC-E check bit



Do not transmit UPC-E check bit



\*transmit UPC-E check bit

9. UPC-E additional code

(1) UPC-E 2 additional code



enable



\*disable

(2) UPC-E 5 additional code



Enable



\*disable

(3) UPC-E Must read additional code



Enable



\*disable

10. UPC-E transfer UPC-A



Enable



\*disable

11. UPC-A transfer EAN-13



Enable



\*disable

12. UPC-E1



enable



\*disable

13. EAN-8

(1) EAN-8 able/disable



\*enable



disable

(2) EAN-8 check bit



Do not transmit EAN-8 check bit



transmit EAN-8 check bit

14. EAN-8 additional code

(1) EAN-8 2 additional code



Enable



\*disable

(2) EAN-8 5 additional code



Enable



\*disable

(3) EAN-8 Must read additional code



Enable



\*disable

15. EAN-13

(1) EAN-13 enable/disable



\*enable



\*disable

(2) EAN-13 check bit



Do not transmit EAN-13 check  
bit



\*transmit EAN-13 check  
bit

16. Bookland EAN (ISBN)

ISBN disable is treated as EAN13



able ISBN



\*disable ISBN

17. ISSN

ISSN disable is treated as EAN13



able ISSN

\*disable ISSN

### 18. EAN-13 additional code

(1) EAN-13 2 additional code



Enable



\*disable

(2) EAN-13 5 additional code



enable



\*disable

(3) EAN-13 Must read additional code



Enable



\*disable

### 19. CODE 128



\*Enable



Disable

20. GS1-128



\* enable



disable

21. Interleaved 2 of 5

(1) I 2 of 5 enable/disable



\*enable



disable

(2) Set Lengths for Interleaved 2 of 5

For example, to decode **Interleaved 2 of 5** symbols containing between 4 and 12 characters

first scan **Interleaved 2 of 5-Length Within Range**, then scan **0, 4, 1** and **2** (single digit numbers must be preceded by a leading zero). [Numeric Bar Codes](#) is in appendix. To change the selection or cancel an incorrect entry, scan [Cancel](#)



I 2 of 5 - Length Within Range



I 2 of 5 - Any Length

(3) I 2 of 5 Check Digit Verification



enable



\*disable

(4) Transmit I 2 of 5 Check Digit



enable



\*disable

22. Matrix 2 of 5

(1) Matrix 2 of 5 enable/disable



enable



\*disable

(2) Set Lengths for Matrix 25

For example, to decode Matrix 25 symbols containing between 4 and 12 characters

first scan **Matrix 25 Length Within Range**, then scan **0, 4, 1** and **2** (single digit numbers must be preceded by a leading zero). [Numeric Bar Codes](#) is in appendix. To change the selection or cancel an incorrect entry, scan [Cancel](#) in appendix.





Matrix 25 - Length Within Range



Matrix 25 - Any Length

(3) Matrix 25 Check bit Verification



Enable



\*disable

(4) transmit Matrix 2 of 5 check bit



Enable



\*disable

23. Industrial 2 of 5

(1) Industrial 2 of 5 enable/disable



enable



\*disable

(2) Set Lengths for Industrial 2 of 5

For example, to decode **Industrial 2 of 5** containing between 4 and 12 characters

first scan **Industrial 2 of 5 Length Within Range**, then scan **0, 4, 1** and **2** (single digit numbers must be preceded by a leading zero). [Numeric Bar](#)

[Codes](#) is in appendix. To change the selection or cancel an incorrect entry, scan [Cancel](#)



D 2 of 5 - Length Within Range



D 2 of 5 - Any Length

## 24. Standard 2 of 5

### (1) Standard 2 of 5 enable/disable



enable



\*disable

### (2) Set Lengths for Standard 2 of 5

For example, to decode **Standard 2 of 5** containing between 4 and 12 characters

first scan **Standard 2 of 5 Length Within Range**, then scan **0, 4, 1 and 2** (single digit numbers must be preceded by a leading zero). [Numeric Bar Codes](#) is in appendix. To change the selection or cancel an incorrect entry, scan [Cancel](#)



Standard 25 - Length Within Range



Standard 25 - Any Length

## 25. Code 39

### (1) code39 enable/disable



\*enable



disable

### (2) Code39 Length



Any Length code39

### (3) Code 39 Check bit Verification



enable



\*disable

### (4) transmit Code39 check bit

Transmit the check bit, the check bit Verification function should  
enabled



transmit



\*do not transmit

(5) Transmit Code 39 start and ending symbol



\*disable



enable

26. Code 39 Full ASCII



Enable



\* Disable

27. Code 32

(1) code32 enable/disable



Enable



\* Disable

(2) code32 add prefix A



Enable



\* disable

## 28. Code 93

### (1) Code93 enable/disable



Enable



\* disable

### (2) code93 lenght



Any lenght can read

## 29. Code 11

### (1) code11 enable/disable



Enable



\* disable

### (2) code11 lenght



Any lenght can read

(3) Code 11 Check bit Verification



enable



one check bit



two check bit

(4) transmit check bit



enable



\* disable

30. Codabar

(1) Codabar enable/disable



enable



\* disable

(2) Codabar length



Any length can read

(3) Start Character and Terminator

The start character and terminator are allowed to be one of the four

characters of "A", "B" "C" "D".The terminator is also allowed to be one of the four characters of "T", "N", "\*", "E".



\*ABCD/ABCD



ABCD/TN\*E

(4) Transmit Start Character and Terminator



Don not transmit



\*transmit

31. MSI

(1) MSI enable/disable



Enable



\*disable

(2) MSI lenght



Any lenght can read

### 32. GS1-Databar



Enable



\* disable

### 33. GS1 composite code



Enable



\* disable

### 34. QR Code

#### (1) QR code enable/disable



\* enable



disable

#### (2) QR code reverse



\*only read Normal code



Read Normal/reverse code



(3) QR Mirror



\*disable



enable

35. Data Matrix

(1) Data Matrix enable/disable



\* enable



disable

(2) Read reverse Data Matrix



\*only read Normal code



Only Read reverse code



Read Normal/reverse code

① Data Matrix Mirror



\*disable



enable

36. PDF 417



\* enable



disable

37. Aztec code



enable



\*disable

38. Maxi code



enable



\*disable

39. Hanxin code



enable



\*disable

40. Brazilian bank code























enable












\*disable

## Data editing

### Relevant setting barcode

 Insert Characters	 Delete characters	
Barcode types(Barcode data: 068000-068018)		
 @08000@ All barcode types	 @08001@ UPC&EAN	 @08002@ Code39
 @08003@ Coda bar	 @08004@ Code128	 @08005@ Code93
 @08006@ Interleaved 2 of 5	 @08008@ Code11	 @08009@ MSI
 @08015@ GS1-Databar	 @08017@ PDF417	 @08018@ Data Matrix
 @08019@ QR	 @08020@ Aztec Code	 @08021@ Maxi Code
Do not scan = All barcode types.		
Set save location (Barcode data: 068100-068107)		
(Different group Settings can take effect at the same time)		
 @08100@ Group 1	 @08101@ Group 2	 @08102@ Group 3

 @08103@ Group 4	 @08104@ Group 5	 @08105@ Group 6
 @08106@ Group 7	 @08107@ Group 8	Do not scan = Group 1
Edit location		
 Before barcode	From which place to start? Setup by barcode in "ASCII Barcode Table".	 After barcode
Save to take effect		
 Save Settings	 Clear settings	














## Example: Insert character


In the process of setting, scan the irrelevant barcode, the scanner will exit setting status.

Please scan in order 1,2,3, ...

Example: Code128=123456789



	Insert Ab before	Insert Cd from the third	Insert Ef after
1	 Insert Characters		
2	 @08000@ All barcode types (Omit this step, default all barcode types)		
3	 @08100@ Group 1 (Omit this step, default Group 1)		
4	 Before barcode	 @09003@ 003 ETX	 After barcode
5	 @09065@ 065 A	 @09067@ 067 C	 @09069@ 069 E
6	 @09098@ 098 b	 @09100@ 100 d	 @09102@ 102 f
	Each group can insert within 10 characters		
7	 Save Settings		

Setup result		
Ab123456789	123Cd456789	123456789Ef
Clear insert character setting, Please scan in order 1,2.	 1, Insert Characters	 2, Clear settings

- 1, set different bar code type, make this setting to this kind of barcode is effective.
- 2, set different group, make different Settings take effect at the same time







### Example: Delete character







In the process of setting, scan the irrelevant barcode, the scanner will exit setting status.

Please scan in order 1,2,3, ...

Example: Code128=123456789








	Delete 1 bit before	Delete 3 bit from the third	Delete 3 bit after
1	 Delete characters		
2	 @08000@ All barcode types (Omit this step, default all barcode types)		
3	 @08100@ Group 1 (Omit this step, default Group 1)		
4	 Before barcode	 @09003@ 003 ETX	 After barcode






5	 @09001@ 001 SOH	 @09002@ 002 STX	 @09003@ 003 ETX
6	 Save Settings		
Setup result			
23456789		1236789	
Clear delete character setting, Please scan in order 1,2.		 1, Delete characters	 2, Clear settings

1, set different bar code type, make this setting to this kind of bar code is effective.

2, set different group, make different Settings take effect at the same time.

## Quick delete character

 Delete 1 bit before
 Delete 2 bit before
 Delete 3 bit before
 Delete 4 bit before
 Delete 2 bit from the third

 Delete 1 bit after
 Delete 2 bit after
 Delete 3 bit after
 Delete 4 bit after
 Delete 2 bit from the fourth





Clear Quick delete character Settings

## Quick insert character



Insert A before



Insert A after



Insert A from the second



Insert AB from the third



Clear Quick insert character Settings

## Quick replaces character



'A' replaces '1'



"AB replaces '1'







Clear Quick replaces character Settings







# Time system







Only for the wireless series





## Time setting and examples

 Output time	 Set Year Month Day
 Set Hour Minute Second	 Save settings






## Examples

step	Set Y.M.D-20.06.10
1	 Set Year Month Day
2	 @09002@ 002 STX
3	 @09000@ 000 NUL/SP
4	 @09000@ 000 NUL/SP
5	 @09006@ 006 ACK
6	 @09001@ 001 SOH

step	Set H:M:S-16:34:30
1	 Set Hour Minute Second
2	 @09001@ 001 SOH
3	 @09006@ 006 ACK
4	 @09003@ 003 ETX
5	 @09004@ 004 EOT
6	 @09003@ 003 ETX

7	 @09000@ 000 NUL/SP		 @09000@ 000 NUL/SP
8	 Save settings		 Save settings

### Date format

 default:2020.06.10	 American:06.10.2020	 British:10.06.2020
 Date delimiter character "."-default		 Date delimiter character "/"

## Time output and examples

### Time-prefix/suffix

 Time-prefix/suffix -OFF*	 Time-prefix	 Time-suffix
---	--	--


### Insert time by data editing








Replace time with a key combination (NUL+SOH)





 NUL+SOH=Time-OFF	 NUL+SOH=Time- ON*
---	--

### Example-Insert Time

In the process of setting, scan the irrelevant barcode, the scanner will exit setting status.

Example: Code128=123456789 

	Before barcode	From the third	After barcode
1	 Insert Characters		
2	 All barcode types (Omit this step, default all barcode types)		
3	 Group 1 (Omit this step, default Group 1)		
4	 Before barcode	 003 ETX	 After barcode
5	 000 NUL/SP		

6	 001 SOH	
7	 Save Settings	
Setup result		
Time123456789	123Time456789	123456789Time
Clear insert character setting, Please scan in order 1,2.	 1, Insert Characters	 2, Clear settings

## LED description

1, Wired scanner: Green light.

Green: Always on when working, Turn off when reading.

2, 2.4G wireless scanner: Blue + Red light.

Blue: Always on when working, Turn off when reading.

Red: Low power indicator, charging breathing light.

3, 433M wireless scanner: Blue + Red light.

Blue: Always on when working, Turn off when reading.

Red: Low power indicator, charging breathing light.

4, Bluetooth scanner: Blue + Green + Red light

Blue: Bluetooth status light.

Always on when working, turn off when reading.

Green: 2.4G status-light.

Always on when working, turn off when reading.

Red: Low power indicator, charging breathing light.

5, 2.4G-dongle/ 433M-dongle: Blue light.

Blue: Always on when working.

Flashing means the dongle is broken or the USB port is bad.

6, Base: Blue + Green light.

Blue: Always on when working.

Flashing means the dongle is broken or the USB port is bad.

Green: Always on means the base and scanner are in good contact.

## FAQ

1, In wired mode, there is no data upload?

- ① Scanner is set to storage mode? Please set to instant upload mode.
- ② Scanner is set to USB-COM? Please set to USB-HID.

2, 2.4G/433M connected but no data upload?

- ① Scanner is set to storage mode?

Unplug and plug the dongle , Scan setting code: "Match" in 30 seconds, then scan "instant upload mode".

- ② Scanner is set to USB-COM?

Unplug and plug the dongle , Scan setting code: "Match" in 30 seconds, then scan "USB-HID".

3, Can't search the scanner?

- ① Make sure the scanner is in HID-mode.
- ② Whether the scanner in matching state?
- ③ Scan " Connection initialization ", delete the matched scanner, and re-pair operation.

4, Bluetooth connected but not upload?

- ① Scanner set to storage mode? Please set to Instant upload mode.
- ② Scanner set to 2.4G mode (check status light).
- ③ Please check the Bluetooth mode (HID,SPP,BLE).

5, Barcode characters is wrong?

- ① Set the scanner keyboard nations with using the keyboard.
- ② Set more slow HID speed.

6, Turn on, Scanner red light flashing three times and then shut down?

- ① Low battery, please charge.

### Factory Defaults-Caution



Factory Defaults (caution)

More support, please contact the manufacturer.

## Appendix 1: ASCII characters

Hex	Dec	Description	Hex	Dec	Description
#00	0	NUL(CTRL @)	#22	34	"
#01	1	SOH(CTRL A)	#23	35	#
#02	2	STX(CTRL B)	#24	36	\$
#03	3	ETX(CTRL C)	#25	37	%
#04	4	EOT(CTRL D)	#26	38	&
#05	5	ENQ(CTRL E)	#27	39	'
#06	6	ACK(CTRL F)	#28	40	(
#07	7	BEL(CTRL G)	#29	41	)
#08	8	BS(Backspace)	#2A	42	*
#09	9	HT(Tab)	#2B	43	+
#0A	10	LF(CTRL J)	#2C	44	,
#0B	11	VT(CTRLK)	#2D	45	—
#0C	12	FF(CTRL L)	#2E	46	。
#0D	13	CR(Enter)	#2F	47	/
#0E	14	SO(CTRL N)	#30	48	0
#0F	15	SI(CTRL O)	#31	49	1
#10	16	DLE(CTRL P)	#32	50	2
#11	17	DC1(CTRL Q)	#33	51	3
#12	18	DC2(CTRL R)	#34	52	4
#13	19	DC3(CTRL S)	#35	53	5
#14	20	DC4(CTRL T)	#36	54	6
#15	21	NAK(CTRL U)	#37	55	7
#16	22	SYN(CTRL V)	#38	56	8
#17	23	ETB(CTRL W)	#39	57	9
#18	24	CAN(CTRL X)	#3A	58	:
#19	25	EM(CTRL Y)	#3B	59	;
#1A	26	SUB(CTRL Z)	#3C	60	<
#1B	27	ESC(ESC)	#3D	61	=
#1C	28	FS(CTRL \)	#3E	62	>
#1D	29	GS(CTRL ])	#3F	63	?
#1E	30	RS(CTRL ^)	#40	64	@
#1F	31	US(CTRL _)	#41	65	A
#20	32	(space)	#42	66	B
#21	33	!	#43	67	C





















































Hex	Dec	Description	Hex	Dec	Description
#44	68	D	#66	102	f
#45	69	E	#67	103	g
#46	70	F	#68	104	h
#47	71	G	#69	105	i
#48	72	H	#6A	106	j
#49	73	I	#6B	107	k
#4A	74	J	#6C	108	l
#4B	75	K	#6D	109	m
#4C	76	L	#6E	110	n
#4D	77	M	#6F	111	o
#4E	78	N	#70	112	p
#4F	79	O	#71	113	q
#50	80	P	#72	114	r
#51	81	Q	#73	115	s
#52	82	R	#74	116	t
#53	83	S	#75	117	u
#54	84	T	#76	118	v
#55	85	U	#77	119	w
#56	86	V	#78	120	x
#57	87	W	#79	121	y
#58	88	X	#7A	122	z
#59	89	Y	#7B	123	{
#5A	90	Z	#7C	124	
#5B	91	[	#7D	125	}
#5C	92	\	#7E	126	~
#5D	93	]	#7F	127	DEL
#5E	94	^	#80	128	F1
#5F	95	_	#81	129	F2
#60	96	`	#82	130	F3
#61	97	a	#83	131	F4
#62	98	b	#84	132	F5
#63	99	c	#85	133	F6
#64	100	d	#86	134	F7
#65	101	e	#87	135	F8




























Hex	Dec	Description	Hex	Dec	Description
#88	136	F9	#AA	170	Home Keypad
#89	137	F10	#AB	171	end Keypad
#8A	138	F11	#AC	172	Page Up Keypad
#8B	139	F12	#AD	173	Page Down Keypad
#8C	140	Left shift make	#AE	174	Up Arrow Keypad
#8D	141	Left shift break	#AF	175	Down Arrow Keypad
#8E	142	Right shift mark	#B0	176	Left Arrow Keypad
#8F	143	Right shift break	#B1	177	Right Arrow Keypad
#90	144	Left ALT mark	#B2	178	Center Keypad
#91	145	Left ALT break	#B3	179	Insert
#92	146	Right ALT mark	#B4	180	Delete
#93	147	Right ALT break	#B5	181	Home
#94	148	Left control mark	#B6	182	End
#95	149	Left control break	#B7	183	Page Up
#96	150	Right control mark	#B8	184	Page Down
#97	151	Right control break	#B9	185	Up Arrow
#98	152	/Keypad	#BA	186	Down Arrow
#99	153	*Keypad	#BB	187	Left Arrow
#9A	154	-Keypad	#BC	188	Right Arrow
#9B	155	+Keypad	#BD	189	
#9C	156	-Keypad	#BE	190	Num Lock
#9D	157	enter Keypad	#BF	191	Caps Lock
#9E	158	0Keypad	#C0	192	Scroll Lock
#9F	159	1Keypad	#C1	193	Print Screen
#A0	160	2Keypad	#C2	194	Pause
#A1	161	3Keypad			
#A2	162	4Keypad			
#A3	163	5 Keypad			
#A4	164	6 Keypad			
#A5	165	7 Keypad			
#A6	166	8 Keypad			
#A7	167	9 Keypad			
#A8	168	Insert Keypad			
#A9	169	Delete Keypad			




























## Appendix 2: ASCII Barcode Table




























Barcode data: 069000-069194




























 @09000@ <b>000 NUL/SP</b>	 @09001@ <b>001 SOH</b>	 @09002@ <b>002 STX</b>
 @09003@ <b>003 ETX</b>	 @09004@ <b>004 EOT</b>	 @09005@ <b>005 ENQ</b>
 @09006@ <b>006 ACK</b>	 @09007@ <b>007 BEL</b>	 @09008@ <b>008 Back Space</b>
 @09009@ <b>009 HT/TAB</b>	 @09010@ <b>010 LF</b>	 @09011@ <b>011 VT</b>
 @09012@ <b>012 FF</b>	 @09013@ <b>013 CR/ENTER</b>	 @09014@ <b>014 SO</b>
 @09015@ <b>015 SI</b>	 @09016@ <b>016 DLE</b>	 @09017@ <b>017 DC1</b>
 @09018@ <b>018 DC2</b>	 @09019@ <b>019 DC3</b>	 @09020@ <b>020 DC4</b>
 @09021@ <b>021 NAK</b>	 @09022@ <b>022 SYN</b>	 @09023@ <b>023 ETB</b>

 @09024@ <b>024 CAN</b>	 @09025@ <b>025 EM</b>	 @09026@ <b>026 SUB</b>
 @09027@ <b>027 ESC</b>	 @09028@ <b>028 FS</b>	 @09029@ <b>029 GS</b>
 @09030@ <b>030 RS</b>	 @09031@ <b>031 US</b>	 @09032@ <b>032 SP</b>
 @09033@ <b>033 !</b>	 @09034@ <b>034 "</b>	 @09035@ <b>035 #</b>
 @09036@ <b>036 \$</b>	 @09037@ <b>037 %</b>	 @09038@ <b>038 &amp;</b>
 @09039@ <b>039 '</b>	 @09040@ <b>040 (</b>	 @09041@ <b>041 )</b>
 @09042@ <b>042 *</b>	 @09043@ <b>043 +</b>	 @09044@ <b>044 ,</b>
 @09045@ <b>045 -</b>	 @09046@ <b>046 .</b>	 @09047@ <b>047 /</b>
 @09048@ <b>048 0</b>	 @09049@ <b>049 1</b>	 @09050@ <b>050 2</b>


























 @09051@ 051 3	 @09052@ 052 4	 @09053@ 053 5
 @09054@ 054 6	 @09055@ 055 7	 @09056@ 056 8
 @09057@ 057 9	 @09058@ 058 :	 @09059@ 059 ;
 @09060@ 060 <	 @09061@ 061 =	 @09062@ 062 >
 @09063@ 063 ?	 @09064@ 064 @	 @09065@ 065 A
 @09066@ 066 B	 @09067@ 067 C	 @09068@ 068 D
 @09069@ 069 E	 @09070@ 070 F	 @09071@ 071 G
 @09072@ 072 H	 @09073@ 073 I	 @09074@ 074 J
 @09075@ 075 K	 @09076@ 076 L	 @09077@ 077 M








 @09078@ 078 N	 @09079@ 079 O	 @09080@ 080 P
 @09081@ 081 Q	 @09082@ 082 R	 @09083@ 083 S
 @09084@ 084 T	 @09085@ 085 U	 @09086@ 086 V
 @09087@ 087 W	 @09088@ 088 X	 @09089@ 089 Y
 @09090@ 090 Z	 @09091@ 091 [	 @09092@ 092 \
 @09093@ 093 ]	 @09094@ 094 ^	 @09095@ 095 _
 @09096@ 096 `	 @09097@ 097 a	 @09098@ 098 b
 @09099@ 099 c	 @09100@ 100 d	 @09101@ 101 e
 @09102@ 102 f	 @09103@ 103 g	 @09104@ 104 h

 @09105@ 105 i	 @09106@ 106 j	 @09107@ 107 k
 @09108@ 108 l	 @09109@ 109 m	 @09110@ 110 n
 @09111@ 111 o	 @09112@ 112 p	 @09113@ 113 q
 @09114@ 114 r	 @09115@ 115 s	 @09116@ 116 t
 @09117@ 117 u	 @09118@ 118 v	 @09119@ 119 w
 @09120@ 120 x	 @09121@ 121 y	 @09122@ 122 z
 @09123@ 123 {	 @09124@ 124	 @09125@ 125 }
 @09126@ 126 ~	 @09127@ 127 DEL	 @09128@ 128 F1
 @09129@ 129 F2	 @09130@ 130 F3	 @09131@ 131 F4

 @09132@ 132 F5	 @09133@ 133 F6	 @09134@ 134 F7
 @09135@ 135 F8	 @09136@ 136 F9	 @09137@ 137 F10
 @09138@ 138 F11	 @09139@ 139 F12	 @09140@ 140 l_Shift on
 @09141@ 141 l_Shift off	 @09142@ 142 r_Shift on	 @09143@ 143 r_Shift off
 @09144@ 144 l_Alt on	 @09145@ 145 l_Alt off	 @09146@ 146 r_Alt on
 @09147@ 147 r_Alt off	 @09148@ 148 l_Ctrl on	 @09149@ 149 l_Ctrl off
 @09150@ 150 r_Ctrl on	 @09151@ 151 r_Ctrl off	 @09152@ 152 /(KP)
 @09153@ 153 *(KP)	 @09154@ 154 -(KP)	 @09155@ 155 +(KP)
 @09156@ 156 _(KP)	 @09157@ 157 Enter(KP)	 @09158@ 158 0(KP)





 @09159@ 159 1(KP)	 @09160@ 160 2(KP)	 @09161@ 161 3(KP)
 @09162@ 162 4(KP)	 @09163@ 163 5(KP)	 @09164@ 164 6(KP)
 @09165@ 165 7(KP)	 @09166@ 166 8(KP)	 @09167@ 167 9(KP)
 @09168@ 168 Inert	 @09169@ 169 Delete	 @09170@ 170 Home
 @09171@ 171 End	 @09172@ 172 Page Up	 @09173@ 173 Page Down
 @09174@ 174 Up	 @09175@ 175 Down	 @09176@ 176 Left
 @09177@ 177 Right	 @09178@ 178 Center	 @09179@ 179 Insert
 @09180@ 180 Delete	 @09181@ 181 Home	 @09182@ 182 End
 @09183@ 183 Page Up	 @09184@ 184 Page Down	 @09185@ 185 Up

 @09186@ <b>186 Down</b>	 @09187@ <b>187 Left</b>	 @09188@ <b>188 Right</b>
 @09189@ <b>189</b>	 @09190@ <b>190 Num Lock</b>	 @09191@ <b>191 caps lock</b>
 @09192@ <b>192 scroll lock</b>		

### Appendix 3: Language

 @0005000@ <b>UNITED STATES</b>	 @00005009@ <b>FRANCE</b>	 @0005018@ <b>SERBIA/YUGOSLAVIA</b>
 @0005001@ <b>BELGIUM</b>	 @0005010@ <b>GERMANY</b>	 @0005019@ <b>SLOVENIA</b>
 @0005002@ <b>BRAZIL</b>	 @0005011@ <b>HUNGARY</b>	 @0005020@ <b>SPAIN</b>
 @0005003@ <b>CANADIAN-FRENCH</b>	 @0005012@ <b>ITALY</b>	 @0005021@ <b>SWEDEN</b>

 @0005004@ CROATIA	 @0005013@ LATIN AMERICA	 @0005022@ SWITZERLAND (FRENCH)
 @0005005@ CZECHOSLOVAKIA (CZECH)	 @0005014@ NETHERLANDS	 @0005023@ SWITZERLAND (GERMAN)
 @0005006@ CZECHOSLOVAKIA (SLOVAK)	 @0005015@ NORWAY	 @0005024@ UNITED KINGDOM
 @0005007@ DENMARK	 @0005016@ POLAND	 @0005025@ UNIVERSAL
 @0005008@ FINLAND	 @0005017@ PORTUGAL	