



Wireless barcode scanner

Manual Guide

HZ-5600

Specification

TYPE	Distance		Memory
2.4G	≤100m		100000 barcodes
433M	≤400m		150000 barcodes
Working current: 3.5Vx40mA			Standby current : 18uA-5mA
Working time : 3 to 10 days			Charging power: 5V-400mA
Scanner parameters:			
Scanning type : bi-directional			Light source: 650±20nm VLD
Scanning width : 30cm			BER : 1/20million
Printing Contract : >25%			Indication: Buzzer & LED
Trigger Mode: Button, Continuous, Auto-Induction (Optional)			
Depth Of Field	3mil	2mm-100mm	CPU: ARM 32-bit Cortex Resolution : 3mil Decoding speed: 300/sec
	10mil	2mm-350mm	
	15mil	5mm-500mm	
	30mil	10mm-800mm	
Scanning angle: Angle of rotation±30°, inclination± 45°, declination ± 60°			
Anti-interference: No influence working under strong light and sunshine			
Decode Capability: UPC/EAN、Code128、Code39、Code 39Full ASCII、Coda bar、industrial /Interleaved 2 of 5 Code93、MSI、Code11、ISBN、ISSN、China post、GS1 Databar、Code32、etc.			
Button life : 8000,000 times			laser life: 12000 hours
Drop test : 2.0m			Interface: USB, USB-COM
Certificate : CE, FCC, RoHS, IP54			

General Settings

Scan barcode to setup scanner



Restore defaults(restore factory settings)

■ How to use the scanner ?

- 1, Press the button, the buzzer rang “Di-di-di” , the blue light is on, the scanner starts.
- 2, Plug the receiver to your computer, the blue light is on, the receiver starts to work.
- 3, Please match the receiver and the scanner within 30 seconds!
- 4, Open a text, put the cursor in, Scan any barcode to see if the barcode can be uploaded.



Match(match the scanner and the receiver)

■ Matching Operation

Plug the receiver to your computer, when it start to work ,Match the scanner and the receiver 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”.

■ Network Mode : One to one , More to one

▶ One to one —one scanner to one receiver

- 1, plug the receiver to your computer
- 2, scan the “Match” bar code to Match the receiver

▶ More to one —several scanner to one receiver

If you have 2 scanners: scanner A, scanner B,

- 1, Plug the receiver to your computer
- 2, Match for the scanner A: A scan the “Match” Barcode.
- 3, Unplug the receiver and Plug the receiver again.
- 4, Match for the scanner B: B scan the “Match” Barcode.

After that ,2 scanner s can transmit the data to the receiver.

Working Mode

■ Two upload mode: Instant upload mode、 storage mode.

▶ Instant upload Mode: Instant upload data to your computer



Instant upload Mode





(1) Upload successfully: The blue light flashed and the buzzer rang “ Di ”.

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

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



Storage Mode

 Show total storage (Show total number of memory)	 Upload Data (Upload Data to your computer)
 High upload speed -default	 Low upload speed



Zero clearing (clear all data in scanner) , Save successf

1 ully: The blue 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 ”.

Power and Standby Setup



Battery Reserve (show battery level)

Set the time for automatic shutdown

 50 seconds shutdown	 2 minutes shutdown-Default
 5 minutes shutdown	 30 minutes 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 30%, please charge the scanner as soon as possible
3. The scanner starts, when the buzzer doesn’t make a sound and the blue light is off with the red light flashes three times. It indicates that the battery less than 20%. The scanner enters the low battery protection mode. Please charge the scanner at least for 30 minutes before using
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 blue light is on with the red light flashing
2. Charging completed: the blue light is on and the red light goes out
3. Micro-current charging: the blue light off and the red light flashing (Note: This is battery protection phase, please do not use it in this condition)


































General Settings-2

End Mark	
 CR	 CR+LF
 Tab	 None
Wire Setup (only 2.4G)	
 Wire-ON*	 Wire-OFF
Interface setup	
 USB_HID	 USB virtual COM
Buzzer Setup	
 Volume Off	 Low volume
 Medium volume	 High volume -Default
Trigger Mode	
 Keys Trigger	 Continuous Mode
Duplicate barcode upload Setup	
 Duplicate detection-ON (Unable to upload duplicate barcode)	 Duplicate detection-OFF -Default (upload duplicate barcode)

Language

 UNITED STATES	 BELGIUM
 BRAZIL	 DENMARK
 FRANCE	 GERMANY
 HUNGARY	 ITALY
 LATIN AMERICA	 NETHERLANDS
 NORWAY	 PORTUGAL
 SPAIN	 SWEDEN
 UNITED KINGDOM	 UNIVERSAL
<i>Note: Support 25 languages .</i>	

Insert and delete character


 Insert character		 Delete character	
 Save settings		 Clear settings	
 Prefix	Start add or clear data after bar code, setup by bar code in ASCLL Bar code Table		 Suffix
Bar code type(bar code data 068000-068018)			
 All type	 UPCE	 UPCA	
 EAN8	 EAN13	 ISBN/ISSN	
 Code39	 Code128	 Code93	
 Coda bar	 Interleaved 2 of 5	 industrial 2 of 5	
 MSI	 Code11	 China post	
 GS1D	 GS1L	 GS1E	
 Code32	Don't scan bar code type by default all bar code type		
Save the setting. Data Group (Different data group settings can take effect all the same time)			
 Data group 1	 Data group 2	 Data group 3	
 Data group 4	 Data group 5	 Data group 6	
 Data group 7	 Data group 8	Don't scan data group set of barcode first group by default	

Insert or delete character operation for example

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



Example 1: Insert Character:123456789(code128)

Insert Ab before bar code	Insert Cd after the third digit of the bar code	Insert Ef after bar code
1.  Insert Character		
2.  All barcode type		
3.  Data group 1		
4.  Before barcode	 003 ETX	 After barcode
5.  065 A	 067 C	 069 E
6.  098 b	 100 d	 102 f
Each data group can insert within 1 0 characters		
7.  Save Settings		
Setup result		
Ab123456789	123Cd456789	123456789Ef
Remove of insert character setting, please scan in turn	 Insert character	 Clear settings

1. Can set different bar code type , make this setting to this kind of bar code is effective
2. Can set different data group , make different setting take effective at the same time.

Example 2: Delete character: 123456789 (Code128)


































































Delete one digit before bar code	Delete 2 digit after the third digit of the bar code	Delete three digit after bar code
1. Delete character		
2. All barcode type		
3. Data group 1		
4. Before barcode	003 ETX	After barcode
5. 001 SOH	002 STX	003 ETX
6. Save settings		
Setup result		
23456789	1236789	123456
Remove of delete character setting, please scan in turn	Delete character	Clear settings


































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


































2. Can set different data group, make different setting take effective at the same time.


































Appendix2: ASCII Barcode Table
































 000 NUL/SP	 001 SOH	 002 STX
 003 ETX	 004 EOT	 005 ENQ
 006 ACK	 007 BEL	 008 Back Space
 009 HT/TAB	 010 LF	 011 VT
 012 FF	 013 CR/ENTER	 014 SO
 015 SI	 016 DLE	 017 DC1
 018 DC2	 019 DC3	 020 DC4
 021 NAK	 022 SYN	 023 ETB
 024 CAN	 025 EM	 026 SUB
 027 ESC	 028 FS	 029 GS

 030 RS	 031 US	 032 SP
 033 !	 034 "	 035 #
 036 \$	 037 %	 038 &
 039 '	 040 ( 041)
 042 *	 043 +	 044 ,
 045 -	 046 .	 047 /
 048 0	 049 1	 050 2
 051 3	 052 4	 053 5
 054 6	 055 7	 056 8
 057 9	 058 :	 059 ;
 060 <	 061 =	 062 >

 063 ?	 064 @	 065 A
 066 B	 067 C	 068 D
 069 E	 070 F	 071 G
 072 H	 073 I	 074 J
 075 K	 076 L	 077 M
 078 N	 079 O	 080 P
 081 Q	 082 R	 083 S
 084 T	 085 U	 086 V
 087 W	 088 X	 089 Y
 090 Z	 091 [ 092 \
 093]	 094 ^	 095 _

 096 `	 097 a	 098 b
 099 c	 100 d	 101 e
 102 f	 103 g	 104 h
 105 i	 106 j	 107 k
 108 l	 109 m	 110 n
 111 o	 112 p	 113 q
 114 r	 115 s	 116 t
 117 u	 118 v	 119 w
 120 x	 121 y	 122 z
 123 {	 124	 125 }
 126 ~	 127 DEL	 128 F1

 129 F2	 130 F3	 131 F4
 132 F5	 133 F6	 134 F7
 135 F8	 136 F9	 137 F10
 138 F11	 139 F12	 140 l_Shift on
 141 l_Shift off	 142 r_Shift on	 143 r_Shift off
 144 l_Alt on	 145 l_Alt off	 146 r_Alt on
 147 r_Alt off	 148 l_Ctrl on	 149 l_Ctrl off
 150 r_Ctrl on	 151 r_Ctrl off	 152 /(KP)
 153 *(KP)	 154 -(KP)	 155 +(KP)
 156 _(KP)	 157 Enter(KP)	 158 0(KP)
 159 1(KP)	 160 2(KP)	 161 3(KP)

 162 4(KP)	 163 5(KP)	 164 6(KP)
 165 7(KP)	 166 8(KP)	 167 9(KP)
 168 Inert	 169 Delete	 170 Home
 171 End	 172 Page Up	 173 Page Down
 174 Up	 175 Down	 176 Left
 177 Right	 178 Center	 179 Insert
 180 Delete	 181 Home	 182 End
 183 Page Up	 184 Page Down	 185 Up
 186 Down	 187 Left	 188 Right
 189	 190 Num Lock	 191 caps lock
 192 scroll lock		

Frequently ask question

Question: Press the key, the red laser appear and then goes out, but there is no bar code display in the input box?

Answer:

1. The USB receiver has not plugged into the computer USB port, please make sure that the USB receiver has been fully plugged into the USB port.
2. The USB port of the computer is out of condition, please plugged the USB receiver into the USB port of another computer to test
3. The USB receiver is not matched with scanner yet, or the scanner is set to “storage mode” or “USB Virtual COM”, please unplugged the USB receiver and plugged it again, then scan the following barcode in turn, “Restore defaults”, “Match”, “Instant upload mode”, “USB_HID”,
4. The cursor is not in the input text box, please make sure the cursor is in the input box where you want to upload the barcode.
5. If the USB receiver indicator goes out or flasher, it indicates that the receiver is broken.

Question: Press the button, the scanner is not laser?

Answer:

1. The battery less than 20%. The scanner enters the low battery protection mode. Please charge the scanner at least for 30 minutes before using.
2. The laser engine is damaged and needs to be replaced.

Question: Read the barcode, the barcode data will be lost?

Answer: Slow down the HID speed of the scanner.

Question: Barcode characters is wrong?

Answer:

1. Set the scanner keyboard nations with using the keyboard.
2. Set more slow HID speed (in Mac)