

Barcode Scanner Manual Guide

32bit high-speed CPU

Full ASCII character editing

Support Function key & Composite key

25 Language supported

V2.0



Specification

Working current: 5/3.3V±10%×40mA (idle:10mA)			
Light source: 650±20nm VLD			
Scanning type : bi-directional			
Scanning width : 30cm			
BER : 1/5million			
Indication: Buzzer & LED			
Trigger Mode: Button, Continuous, Auto-Induction			
Auto-induction interval time:0.25S			
Depth of Field	3mil	2mm-100mm	CPU: ARM 32-bit 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°			
Printing Contract : ≥25%			
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 : 2m			
Interface: USB, USB-COM			
Certificate : CE, FCC, RoHS, Class I			

General Settings -1

Scan barcode to setup scanner.



Restore defaults(restore factory settings)

Trigger Mode



Continuous Mode



Auto-induction -ON



Auto-induction -OFF

Buzzer Setup



High tone*



Low tone



Volume Off



Low volume



Medium volume



High volume *

Duplicate barcode upload Setup



Duplicate detection-ON
(Unable to upload duplicate barcode)



Duplicate detection-OFF*
(upload duplicate barcode)

Interface setup













USB_HID *



USB virtual COM

Note: If you set USB-COM, Data needs to be received through a serial port.















General Settings -2

End Mark			
			
CR		CR+LF	
			
Tab		None	
Capital/Lower case settings			
			
Swap capital/lowercase		All lowercase	
			
All capital		Cancel capital/lower case settings	
Barcode-ID			
			
Add ID-OFF*		Add ID-ON	
Barcode ID characters			
UPCA	b	CODE93	h
UPCE	c	CODABAR	k
EAN13	e	Interleaved 2 of 5	i
EAN8	d	industrial 2 of 5	j
ISBN, ISSN	f	China post	y
CODE39	a	MSI	l
CODE32	C	GS1D	D
CODE128	g	GS1L	L
CODE11	M	GS1E	E

General Settings -3

UPC&EAN	
<p>UPCA Check Digit- ON *</p>	<p>UPCA Check Digit- OFF</p>
<p>UPCE Check Digit- ON *</p>	<p>UPCE Check Digit- OFF</p>
<p>EAN13 Check Digit- ON *</p>	<p>EAN13 Check Digit- OFF</p>
<p>EAN8 Check Digit- ON *</p>	<p>EAN8 Check Digit- OFF</p>
<p>UPCA to EAN13- ON</p>	<p>UPCA to EAN13- OFF *</p>
<p>UPCE to UPCA-ON</p>	<p>UPCE to UPCA-OFF*</p>
UPC/EAN Extra-code	
<p>UPC/EAN Extra-code-OFF*</p>	<p>UPC/EAN 2 Extra-code</p>
<p>UPC/EAN 5 Extra-code</p>	<p>UPC/EAN 2/5 Extra-code</p>
EAN13 to ISSN/ISBN	
<p>EAN13 to ISBN-ON</p>	<p>EAN13 to ISBN-OFF*</p>
<p>EAN13 to ISSN-ON</p>	<p>EAN13 to ISSN-OFF*</p>

General Settings -4

CODE39	
 Full-ASCLL-OFF*	 Full-ASCLL-ON
GS1	
 GS1-ON	 GS1-OFF
CODE 32	
 CODE32-ON	 CODE32-OFF
CODE 128	
 CODE128-ON	 CODE128-OFF
CODE 93	
 CODE93-ON	 CODE93-OFF
CODE 11	
 CODE11-ON	 CODE11-OFF
CODEBAR	
 CODEBAR-ON	 CODEBAR-OFF

Language



UNITED STATES



ITALY



BELGIUM



NETHERLANDS



BRAZIL



NORWAY



DENMARK



PORTUGAL



FINLAND



SPAIN



FRANCE



SWEDEN



GERMANY



UNIVERSAL



SLOVENIA



HUNGARY



CROATIA



POLAND




































UNITED KINGDOM



CZECHOSLOVAKIA (SLOVAK)

Note: Support 25 Languages .

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 bar code, 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.	 003 ETX	 After barcode
5.	 065 A	 067 C
6.	 098 b	 102 f
Each data group can insert within 10 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.



















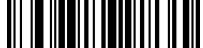








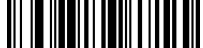

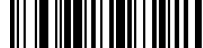









Example 2: Delete character: 123456789 (Code128)








































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: ASCLL 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

The bar codes in the user manual are for programming , please dont scan them arbitrarily when no need , otherwise may affect the normal use of the product .

Please try to scan "Reset Factory Defaults "bar code in the user manual for a try if the scanner cannot use normally ; if problem still not resolve , please try following methods .

Problem 1:

the scanner doesn't have electricity to start on

Reason:

1. the cable interface loosed , please fixed connection interface.
2. the computer front USB port power supply shortage , please replace the computer interface or change another to try.
3. used the incorrect cables , please use the origina cable which the factory is equipped with
4. cable fault , please send back to the factory repair.

Problem 2 :

the scanner has laser , but can't read the barcode

Reason :

1. barcode has flawed , and try to scan the same type barcodes for testing again .
2. the scanning mode is not correct , scanning laser need to completely cover the barcode , if still can't read , please adjust the scanning distance and Angle , the scanner can't read the barcode at 90 "angle .
3. the scanner did not open the corresponding code system , it has to scan the barcode after open the corresponding code system.

Problem 3 :

the scanner has laser and it can read barcode , but can't upload the data

Reason :

1. The scanner has set up the incorrect output mode , please set the correct output mode refer to the manual.
2. the cable transmission failure , please replace the cable.

Problem 4:

the scanner has laser and it can read barcode . but It uploads the wrong decoding barcode.

Reason : the keyboard layout of the scanner is different with the country you used , please use the scanner to read the keyboard settings on the manual