



user manual
Barcode Scanner

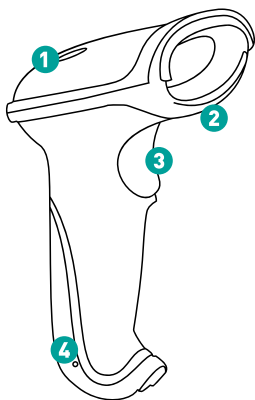
Thanks

for choosing
our product

Product information

This is a Plug&Play wired laser barcode scanner that can read all the standard 1D bar codes including UPC-A, UPC-E, EAN-12/JAN-13, ISBN/ISSN code, EAN-8/JAN8, code 39, code 93, code 128, Interleaved 2 or 5, industrial 2 of 5, Chinese Postal Code, MSI/Plessey and Codabar.

Housing design description

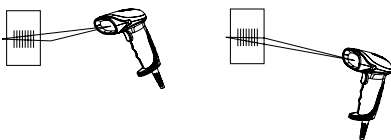


1	Indicator light
2	Shock resistance over
3	Trigger button
4	Cable disassembly hole

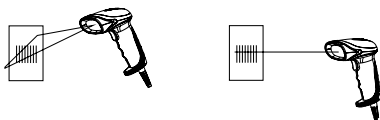
Reading Angle

- Maintain a bevel between the scanner and the barcode to make a best reading.
- Do not keep the scanner in 90° with the barcode, otherwise the scanner can't read.
- The scanner must aim at the barcode and the beam must cover the whole barcode. If don't, error maybe occur.

correct ways of reading



incorrect ways of reading



Connecting the scanner

Connect the USB cable to the USB interface in the computer

Packing List

- n°1 Barcode scanner
- n°1 Cable
- n°1 User manual

Technical Parameters

Interface	USB
Baud rate	1200-115200
Light source	Visible laser 650nm (national laser safety standard class 1)
Decoding capability	code 39, code 93, code 128, ucc/ean-128, ean-8, ean-13, upc-a, issn+2, isbn+5, industrial 25, code32 etc..
Trigger mode	manual, auto, continuous
Sensing distance	15cm(100cm2)
Resolution	minimum 0.1mm (4mils)
Dept of field	2-9cm (0.1mm width); 3-50cm (0.3mm width)
Decoding speed	300 scans/sec
Scanning width	5cm-30cm
Prompt mode	beep, indicator light
Contrast	30%
Scan angle	roll 30° , pitch 75° , yaw 65°
Material	abs+pc
Power supply	dc5v+-5%
Operating current	50ma (operation mode); 30ma (standby mode); 100ma (max peak); 20ma (at rest)
IP grade	54
Operating temperature	0 a 50°c / 32 a 122 °f storage temperature

Storage Humidity	20 – 85% (no-condensing)
ESD protection	15kv air discharge
Shock resistance	1.5m free on concrete surface

Function setting

Output Mode



Version Info



Reset Factory Defaults



Keyboard Wedge



Serial

Buzzer



Good Read
Beep Sound-OFF



Good Read Beep Sound-ON

Reading Mode



Single Scan



Single Scan No Trigger



Multiscan



Multiscan No Trigger



Continuous Scan



Pulse

Image



Enable



Disable

Code ID



Send Code ID as Prefix



Send Code ID as Prefix-Disable



Send Code ID as Suffix



Send Code ID as Suffix-Disable

Language



American English



German



French



Reset

Character Capital/Lower Case



Capital



Lower Case



Reset

Serial Mode Parameter Settings

Baud Rate



2400



4800



9600



19200

Hand Shake



None



XON/OFF



RTS/CTS



ACK/NAK



Hand Shake Timeout- 2secs



Hand Shake Timeout- 5secs

Data Bits



8



7

Stop Bits



1



2

Check Digits



None



ODD



Even



Mark Check Digit



Space



Reset

Termination String Setup Bar Codes



Cancel Suffix



Termination CHAR-CR



Termination CHAR-space



Termination CHAR-TAB



Termination CHAR-TAB/CR



Termination CHAR-CR+CR



All Codes preamble-STX



All Codes preamble-ETX



Hide the First CHAR



Hide the Last CHAR

Barcode setting

Code 11



Code 11 /on



ID Character 'm'



Code 11
redundancy enable



Code 11/off



ID Character 'z'



Code 11
redundancy disable

Code 93



Code 93 /on



ID Character 'h'



Code 93
redundancy enable



Code 93 /off



ID Character 'z'



Code 93
redundancy disable

Code 39



Code 39/on



Code 39 ALL ASCII-on



Code 39/off



Code 39 ALL ASCII-off



Send start/stop
CHARS - enable



Send start/stop
CHARS - disable



ID Character 'a'



ID Character 'z'



Code 39
redundancy enable



Code 39
redundancy disable

Code 128



Code 128 /on



Code 128/off



ID Character 'g'



ID Character "z"



Code 128
redundancy enable



Code 128
redundancy disable

CODABAR



CODABAR/on



CODABAR/off



Send start/stop
CHARS - enable



Send start/stop
CHARS - disable



ID Character 'k'



ID Character 'z'



CODABAR
redundancy enable



CODABAR
redundancy disable



Bar width gap
allowed- enable



Bar width gap
allowed - disable

Interleaved/ITF25



Interleaved/ITF25-on



Interleaved/ITF25-off



ID Character 'l'



ID Character 'z'



ITF25 redundancy enable



ITF25 redundancy disable

Industrial 25



Industrial 25/on



Industrial 25/off



ID Character 'j'



ID Character 'z'



Industrial 25
redundancy enable



Industrial 25
redundancy disable

MSI/PLESSEY



MSI-on



MSI-off



ID Character 'f'



ID Character 'z'



MSI redundancy enable



MSI redundancy disable

UPC-A



UPC-A/on



UPC-A/off



Convert UPC-A
into EAN13 enable



Convert UPC-A
into EAN13 disable



Transmit system bit enable



Transmit system bit disable



Transmit check digit enable



Transmit check digit disable



ID Character 'b'



ID Character 'z'

UPC-E



UPC-E/on



UPC-E/off



Convert UPC-E
into UPC-A enable



Transmit system bit enable



Transmit check digit enable



ID Character 'c'

EAN-13



EAN-13/on



Convert EAN-13
into ISBN enable



Transmit system bit enable



Transmit check digit enable



ID Character 'e'

EAN-8



EAN-8/on



Convert UPC-E
into UPC-A disable



Transmit system bit disable



Transmit check digit disable



ID Character 'z'



EAN-13/off



Convert EAN-13
into ISBN disable



Transmit system bit disable



Transmit check digit disable



ID Character 'z'



EAN-8/off



Transmit system bit enable



Transmit system bit disable



Transmit check digit enable



Transmit check digit disable



ID Character 'd'



ID Character 'z'

ISSN



ISSN/on



ISSN/off



ID Character 'f'



ID Character 'z'

UPC/EAN



UPC/EAN
supplements disable



UPC/EAN
supplements- 2 digits



UPC/EAN
supplements- 5 digits



UPC/EAN
supplements- 2&5 digits



UPC/EAN redundancy enable



UPC/EAN redundancy disable

Code 32



CODE 32/on



CODE 32/off

Add prefix

The first step

Scan the set-up code below (this step will clear the pre-set prefix)



The second step

Scan the needed character code (max 10 characters)

Example: To ass prefix “MG”, scan character M ang G orderly



Now “MG” will be added when scanning the normal bar codes



Scan the above testing bar code, the “MGTEST” will show

Add suffix

The first step

Scan the set-up code below (this step will clear the re-set suffix)



The second step

Scan the needed character code
(max 10 characters)

Example: To add suffix "OK", scan character O and K orderly



O



K

Now "OK" will be added when scanning the normal bar codes



Scan the above testing bar code, "TESTOK" will be shown

Hide the front characters

The first step

Scan the set-up code below (this step will clear the previous settings)



The second step

Scan the number needs to be hidden
(max 10 characters)

Example: To hide two front characters, scan the set-up code "02"



Now two front characters will be hidden when scanning the normal bar codes.



Scan the above testing bar code, "3456789" will be shown

Hide the behind characters

The first step

Scan the set-up code below (this step will clear the previous settings)



The second step

Scan the number needs to be hidden
(max 10 characters)





































Example: To hide three behind characters, scan the set-up code "03"











































































Now three behind characters will be hidden when scanning the normal bar codes











































































Scan the above testing bar code, "987654" will be shown

 0C001 add prefix	 \$08 BS/Back Space	 \$14 DC4
 0C002 add suffix	 \$09 HT/TAB	 \$15 NAK
 0C003 hide the front characters	 \$0A LF	 \$16 SYN
 0C004 hide the behind characters	 \$0B VT	 \$17 ETB
 \$00 NUL/SP	 \$0C FF	 \$18 CAN
 \$01 SOH	 \$0D CR/ENTER	 \$19 EM
 \$02 STX	 \$0E SO	 \$1A SUB
 \$03 ETX	 \$0F SI	 \$1B ESC/ESC
 \$04 EOT	 \$10 DLE	 \$1C FS
 \$05 ENQ	 \$11 DC1	 \$1D GS
 \$06 ACK	 \$12 DC2	 \$1E RS
 \$07 BEL	 \$13 DC3	 \$1F US

 \$20 SP	 \$2C ,	 \$38 8
 \$21 !	 \$2D -	 \$39 9
 \$22 "	 \$2E .	 \$3A :
 \$23 #	 \$2F /	 \$3B ;
 \$24 \$	 \$30 0	 \$3C <
 \$25 %	 \$31 1	 \$3D =
 \$26 &	 \$32 2	 \$3E >
 \$27 ,	 \$33 3	 \$3F ?
 \$28 ( \$34 4	 \$40 @
 \$29)	 \$35 5	 \$41 A
 \$2A *	 \$36 6	 \$42 B
 \$2B +	 \$37 7	 \$43 C

 \$44 D	 \$50 P	 \$5C \
 \$45 E	 \$51 Q	 \$5D]
 \$46 F	 \$52 R	 \$5E ^
 \$47 G	 \$53 S	 \$5F
 \$48 H	 \$54 T	 \$60 `
 \$49 I	 \$55 U	 \$61 a
 \$4A J	 \$56 V	 \$62 b
 \$4B K	 \$57 W	 \$63 c
 \$4C L	 \$58 X	 \$64 d
 \$4D M	 \$59 Y	 \$65 e
 \$4E N	 \$5A Z	 \$66 f
 \$4F O	 \$5B [ \$67 g

 \$68 h	 \$74 t	 \$80 F1
 \$69 i	 \$75 u	 \$81 F2
 \$6A j	 \$76 v	 \$82 F3
 \$6B k	 \$77 w	 \$83 F4
 \$6C l	 \$78 x	 \$84 F5
 \$6D m	 \$79 y	 \$85 F6
 \$6E n	 \$7A z	 \$86 F7
 \$6F o	 \$7B {	 \$87 F8
 \$70 p	 \$7C 	 \$88 F9
 \$71 q	 \$7D }	 \$89 F10
 \$72 r	 \$7E ~	 \$8A F11
 \$73 s	 \$7F DEL	 \$8B F12

 \$8C L SHIFT ON	 \$98 / (KP)	 \$A4 6 (KP)
 \$8D L SHIFT OFF	 \$99 * (KP)	 \$A5 7 (KP)
 \$8E R SHIFT ON	 \$9A _ (KP)	 \$A6 8 (KP)
 \$8F R SHIFT OFF	 \$9B + (KP)	 \$A7 9 (KP)
 \$90 L ALT ON	 \$9C . (KP)	 \$A8 Inert
 \$91 L ALT OFF	 \$9D Enter (KP)	 \$A9 Delete
 \$92 R ALT ON	 \$9E 0 (KP)	 \$AA Home
 \$93 R ALT OFF	 \$9F 1 (KP)	 \$AB End
 \$94 L CTRL ON	 \$A0 2 (KP)	 \$AC Page Up
 \$95 L CTRL OFF	 \$A1 3 (KP)	 \$AD Page Down
 \$96 R CTRL ON	 \$A2 4 (KP)	 \$AE Up
 \$97 R CTRL OFF	 \$A3 5 (KP)	 \$AF Down

 \$B0 Left	 \$B9 Up	
 \$B1 Right	 \$BA Down	
 \$B2 	 \$BB Left	
 \$B3 Inert	 \$BC Right	
 \$B4 Delete	 \$BD 	
 \$B5 Home	 \$BE Num Lock	
 \$B6 End	 \$BF Caps Lock	
 \$B7 Page Up	 \$C0 Scroll lock	
 \$B8 Page Down		

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