User's Manual

Bar code Scanner V8.0.2

CONTENTS

Introduction

Barcode devices provide an accurate, easy, and fast method of data entry and data storage for computerized information system.

The products we offer have another technology of infrared automatic sensor. User only need to put the barcode into sensing area which in front of window, 650nm laser will be automatic activated. Then aimed at the barcode which need to scan, the scanner scan automatically, the information will transmit to the host computer system.

There are two mode for this produce: handheld and automatic sensing laser barcode scanner. That means user can use it by handheld mode or can use as the fixation with the bracket-held.

The products we are offering now can be integrated into any host computer system by the following ways:

Keyboard

Wand

RS-232

Dual RS-232

USB

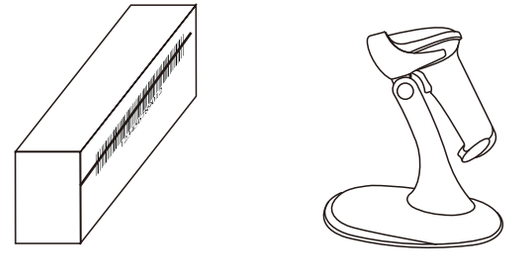
OTHERS

All the operating parameters are programmed by barcode programming menu and stored in non-volatile RAM which can retain the settings after power is turned off.

For the function which are not listed in this menu, please consult your supplier for more details.

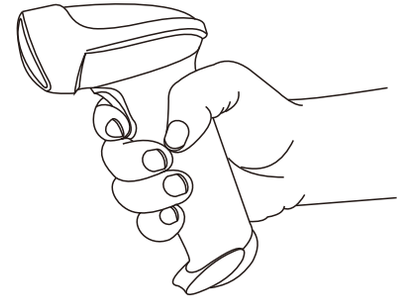
Auto-introduction Barcode Scanner Operating Instructions

1. The default scan mode of this scanner is auto induction scan mode. It start to scan in 2 seconds, when the object is close to the scanner. (Figure 1)



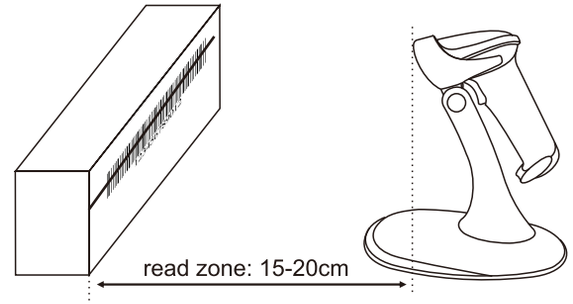
(Figure 1)

2. Press the button for 8 seconds, the user can switch the scanner mode between auto induction mode and manual trigger mode. (Figure 2)



(Figure 2)

3. The auto induction distance is 15-20CM. (Figure 3)

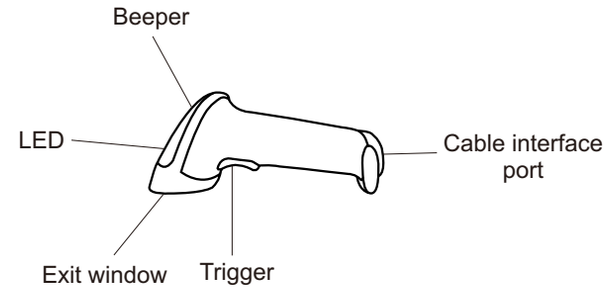


(Figure 3)

4. Make sure there is no baulk on the induction zone in front of the windows of scanner. If reading successful or can not reading in certain time, the scanner will auto-off laser.

5. When the laser close, Pls. Move the object from the induction zone, then the user can start to scan for next time.

Appearance

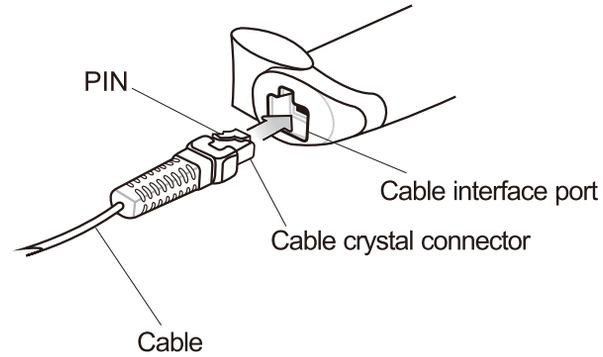


(Figure 1)

Installing and Removing

Installing the interface cable

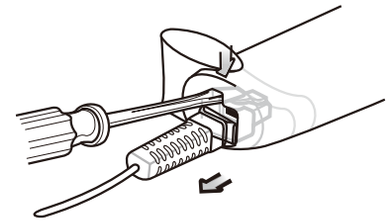
1. Plug the cable's Rj45 port into the bottom of the scanner. (Figure 2)
2. Connect the other end of the interface cable to the host.



(Figure 2)

Removing the interface cable

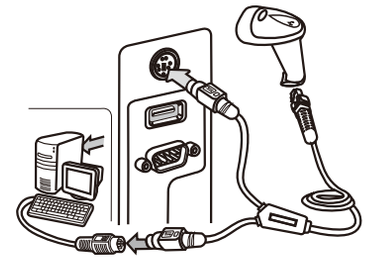
1. Unplug the installing cable's modular connector by depressing the connector clip with the tip of a screwdriver.
2. Carefully slide out the cable.
3. Follow the step for installing the interface cable on page 5-7 to connect a new cable.



(Figure 3)

Installing keyboard wedge scanner

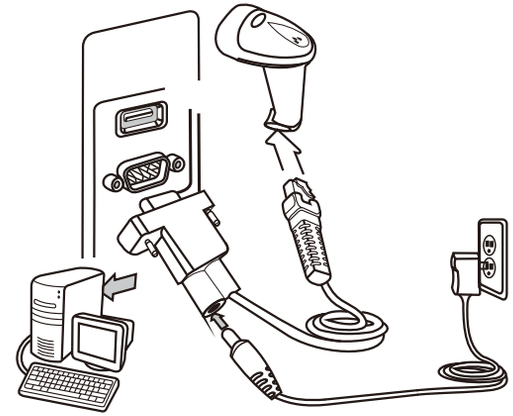
1. Make sure that the scanner has the correct cable for your system.
2. Turn off the power of the system.
3. Unplug the keyboard from the system.
4. Connect Y cable to the system and keyboard.
5. Turn on the power of the system.
6. If the indicator LED light up, buzzer sounds, the scanner is ready for reading.



(Figure 4)

Installing RS-232C interface scanner

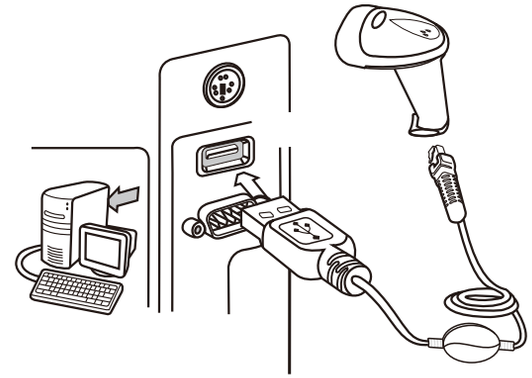
1. Make sure there is power supply for the scanner.
2. Connect the cable to the RS-232C port of the device.



(Figure 5)

Installing USB interface scanner

Connect two ends, Windows will detect automatically.



(Figure 6)

Come back manufacturer setting

Note: all the parameters will come back to the manufacturer initial setting
(*)denotes default setting

Display the firmware version

USB mode

KBW mode*

RS-232 mode

Multiscan Function

Scanning Mode


Reset*


Single scan no trigger


Multiscan


Multiscan no trigger


Automatic continue scan


Automatic twinkle

Add Barcode ID


Before open barcode to add ID


Before close barcode to add ID


After open barcode to add ID


After close barcode to add ID

Buzzer


Mute


Turn on

Interface - KBW

Language


USA*


German


France


Reset

Capital Key On and Off


Reset*


Capital key on


Capital key off

Interface - Serial - 1

Baud Rate


600


1200


2400


4800


9600*


19200


38400


57600


115200


None

Interface - Serial - 2

Handshake Protocol


None*


Xon / Xoff


RTS / CTS


ACK / NAK


Handshake timeout
2 seconds


Handshake timeout
5 seconds

Data Bit


7 data bits


8 data bits*

Stop Bit


1 stop bit*


2 stop bits

Interface - Serial - 3

Parity Check


None*


Odd


Even


Mark


Space


Reset

Barcode Enable/Disable -1

CODE 11


Code 11 enable*


Code 11 disable

CODE 39


Code 39 enable*


Code 39 disable

CODE 39 FULL ASCII


CODE 39 FULL ASCII enable*


CODE 39 FULL ASCII disable

CODE 93


Code 93 enable*


Code 93 disable

CODE 128


Code 128 enable*


Code 128 disable


Code 128 ISBT enable*


Code 128 ISBT disable

Barcode Enable/Disable -2

MSI/PLESSEY


MSI enable*


MSI disable

INTERLEAVE 2 OF 5


Interleave 2 of 5 enable*


Interleave 2 of 5 disable

INDUSTRIAL 2 OF 5


Industrial 2 of 5 enable*


Industrial 2 of 5 disable

MATRIX 2 OF 5


Matrix 2 of 5 enable*


Matrix 2 of 5 disable

CODABAR


Codabar enable*


Codabar disable

CHINA POSTAL CODE


China postal code enable*


China postal code disable

Barcode Enable/Disable -3

UPC/EAN


UPC-A enable*


UPC-A disable


UPC-E enable*


UPC-E disable


EAN-13 enable*


EAN-13 disable


EAN-8 enable*


EAN-8 disable

Barcode Symbol Set Up -1

CODE 11


Code 11 ID chars - ‘m’


Code 11 ID chars - ‘z’


Code 11 redundancy enable


Code 11 redundancy disable

CODE 39


Code 39 SS chars - none


Code 39 SS chars - ‘+’


Code 39 start/end chars enable


Code 39 start/end chars disable*


Code 39 ID chars - ‘a’


Code 39 ID chars - ‘z’


Code 39 redundancy enable


Code 39 redundancy disable

Barcode Symbol Set Up -2

CODE 93


Code 93 ID chars - ‘h’


Code 93 ID chars - ‘z’


Code 93 redundancy enable


Code 93 redundancy disable

CODE 128


Code 93 ID chars - ‘g’


Code 93 ID chars - ‘z’


Code 128 redundancy enable


Code 128 redundancy disable

MSI/PLESSEY


MSI ISBN ID chars - ‘f’


MSI ISBN ID chars - ‘z’


MSI redundancy enable


MSI redundancy disable

Barcode Symbol Set Up -3

INTERLEAVE 2 OF 5

Interleave 2 of 5
ID chars - ‘i’

Interleave 2 of 5
ID chars - ‘z’

Interleave 2 of 5
redundancy enable

Interleave 2 of 5
redundancy disable

INDUSTRIAL 2 OF 5

Industrial 2 of 5
ID chars - ‘j’

Industrial 2 of 5
ID chars - ‘z’

Industrial 2 of 5
redundancy enable

Industrial 2 of 5
redundancy disable

CODABAR

Codabar start/end chars
enable

Codabar start/end chars
disable*

Codabar ID chars - ‘k’

Codabar ID chars - ‘z’

Barcode Symbol Set Up -4

CODABAR


Codabar space enable


Codabar space disable


Codabar redundancy enable


Codabar redundancy disable

UPC/EAN


UPC-E convert to UPC-A enable


UPC-E convert to UPC-A disable*


UPC-A convert to EAN-13 enable


UPC-A convert to EAN-13 disable*


EAN-13 convert to ISBN enable


EAN-13 convert to ISBN disable*


UPC-A ID chars - ‘b’


UPC-A ID chars - ‘z’

Barcode Symbol Set Up -5

UPC/EAN


EAN-13 ID chars - ‘c’


EAN-13 ID chars - ‘z’


EAN-13 ID chars - ‘e’


EAN-13 ID chars - ‘z’


EAN-8 ID chars - ‘d’


EAN-8 ID chars - ‘z’


ISBN ID chars - ‘f’


ISBN ID chars - ‘z’


UPC/EAN redundancy enable


UPC/EAN redundancy disable


UPC/EAN supplements - 2 digits


UPC/EAN supplements - 5 digits

Barcode Symbol Set Up -6

UPC/EAN

UPC/EAN supplements
- 2 & 5 digits

UPC/EAN supplements
disable*

Edit and Set Up Brcode -1

Edit #1 - strip 1 leading character on all barcodes that start with ‘12345’

Reset

Edit #2 - strip the first character barcode

Reset

Edit #2 - strip the last character barcode

Reset

Edit #1 - filter leading spaces

Reset

Edit #1 - filter trailing spaces

Reset

Edit #1 - filter all ‘-’ character

Reset

Edit and Set Up Brcode -2

Edit - insert leading ‘0’

Reset

Macro/Spacial Key Set Up Barcode

Macro #1 - find ‘1’ and replace with ‘ONE’

Reset

Macro #1 - find ‘2’ and replace with ‘TWO’ for code 39

Reset

Macro #1 - find ‘0’ and replace with ‘A’

Reset

Macro #1 - find ‘F3’ and replace with ‘0’

Reset

Macro #1 - find ‘ENTER’ and replace with ‘2’

Reset

Termination String Setup Barcode

String #1 -termination char -CR

String #1 -termination char -LF

String #1 -termination char -CR+LF

String #1 disable

String #2 -Code 128 termination -CR

String #2 -Code 128 termination -LF

String #2 -Code 128 termination -CR+LF

String #2 -Code 128 termination removed

String -Code 39 termination -TAB

String -Code 39 termination -TAB removed

String -all codes preamble - ‘STX’

String -all codes postamble - ‘ETX’

Advanced Setting Mode -1

Prefix

1. Scan “Prefix” label

Prefix

2. Scan the characters label from the Full ASCII Code Table.

   Ex: Prefix “MG” before data is required, scan “M” “G” label.

M

G

The “MG” will be added before the barcode.

TEST

Scan the “TEST” barcode, will be “MGTEST”.

Advanced Setting Mode -2

Suffix

1. Scan “Suffix” label

Suffix

2. Scan the characters label from the Full ASCII Code Table.

   Ex: Suffix “OK” before data is required, scan “O” “K” label.

O

K

The “OK” will be added after the barcode.

TEST

Scan the “TEST” barcode, will be “TESTOK”.

Advanced Setting Mode -3

Truncate Header Character

1. Scan “Truncate header character” label.

Truncate header character

2. Scan the number that you want to truncate from the Full ASCII Table.

   Ex: Truncate 2 header characters, scan “$02” label .

$02
STX

There will 2 header character be truncated.

123456789

Scan the above, there will be “3456789”.

Advanced Setting Mode -4

Truncate Trailer Character

1. Scan “Truncate trailer character” label.

Truncate trailer character

2. Scan the number that you want to truncate from the Full ASCII Table.

   Ex: Truncate 3 trailer characters, scan “$03” label .

$03
ETX

There will 3 trailer character be truncated.

987654321

Scan the above, there will be “987654”.

Appendix

Appendix A: Full ASCII Table

OC001
Prefix

OC002
Suffix

OC003
Truncate header character

OC004
Truncate trailer character

$00
NUL/SP

$01
SOH

$02
STX

$03
ETX

$04
EOT

$05
ENQ

$06
ACK

$07
BEL

$08
BS/Back Space

$09
HT/TAB

$0A
LF

$0B
VT

$0C
FF

$0D
CR/ENTER

$0E
SO

$0F
SI

$10
DLE

$11
DC1

$12
DC2

$13
DC3

$14
DC4

$15
NAK

$16
SYN

$17
ETB

$18
CAN

$19
EM

$1A
SUB

$1B
ESC/ESC

$1C
FS

$1D
GS

$1E
RS

$1F
US

$20
SP

$21
!

$22
〃

$23
#

$24
$

$25
%

$26
&

$27
'

$28
(

$29
)

$2A
*

$2B
+

$2C
,

$2D
-

$2E
.

$2F
/

$30
0

$31
1

$32
2

$33
3

$34
4

$35
5

$36
6

$37
7

$38
8

$39
9

$3A
:

$3B
;

$3C
<

$3D
=

$3E
>

$3F
?

$40
@

$41
A

$42
B

$43
C

$44
D

$45
E

$46
F

$47
G

$48
H

$49
I

$4A
J

$4B
K

$4C
L

$4D
M

$4E
N

$4F
O

$50
P

$51
Q

$52
R

$53
S

$54
T

$55
U

$56
V

$57
W

$58
X

$59
Y

$5A
Z

$5B
[

$5C
\

$5D
]

$5E
^

$5F
_

$60
`

$61
a

$62
b

$63
c

$64
d

$65
e

$66
f

$67
g

$68
h

$69
i

$6A
j

$6B
k

$6C
l

$6D
m

$6E
n

$6F
o

$70
p

$71
q

$72
r

$73
s

$74
t

$75
u

$76
v

$77
w

$78
x

$79
y

$7A
z

$7B
{

$7C
|

$7D
}

$7E
~

$7F
DEL

$80
F1

$81
F2

$82
F3

$83
F4

$84
F5

$85
F6

$86
F7

$87
F8

$88
F9

$89
F10

$8A
F11

$8B
F12

$8C
L_SHIFT ON

$8D
L_SHIFT OFF

$8E
R_SHIFT ON

$8F
R_SHIFT OFF

$90
L_ALT ON

$91
L_ALT OFF

$92
R_ALT ON

$93
R_ALT OFF

$94
L_CTRL ON

$95
L_CTRL OFF

$96
R_CTRL ON

$97
R_CTRL OFF

$98
/(KP)

$99
*(KP)

$9A
-(KP)

$9B
+(KP)

$9C
.(KP)

$9D
Enter(KP)

$9E
0(KP)

$9F
1(KP)

$A0
2(KP)

$A1
3(KP)

$A2
4(KP)

$A3
5(KP)

$A4
6(KP)

$A5
7(KP)

$A6
8(KP)

$A7
9(KP)

$A8
Inert

$A9
Delete

$AA
Home

$AB
End

$AC
Page Up

$AD
Page Down

$AE
Up

$AF
Down

$B0
Left

$B1
Right

$B2
6(KP)

$B3
Inert

$B4
Delete

$B5
Home

$B6
End

$B7
Page Up

$B8
Page Down

$B9
Up

$BA
Down

$BB
Left

$BC
Right

$BD

$BE
Num Lock

$BF
Caps Lock

$C0
Scroll Locl

Appendix B: Troubleshooting and Error Beeps

Problem: The LED without light, without buzz, without laser.

Cause: The power supply for scanner off, or the wire interface become flexible.

Solution: Check the power supply, make sure the power supply on work. Reconnect the scanner and the computer again by wire.

Problem: After scan, no data to be transmitted.

Cause: The scanners setup is incorrect.

Solution: Make sure the scanners setup is in the correct mode.

Problem: No power supply startup buzz when the interface reader connect to the computer.

Cause: The interface reader won't offer the power supply.

Solution: Use a direct with 5V to connect up.

Problem: After connect the interface scanner, no data transmit when reading the barcode.

Cause: Haven't setup the interface mode or communication agreement incorrect.

Solution: Setup the interface mode. Or reset the correct communication agreement.

Problem: The scanner reader is normal, but with buzz.

Cause: The incorrect setup, which setup in aphonia.

Solution: Scan the barcode of the startup voice.

Problem: Scan some of the barcode with buzz, but without the buzz when scan other barcode which in the same mode system.

Cause: The barcode be damage or there some problems with the barcode printing.

Solution: Check the barcode whether be damaged with carefulness. And check other barcode to find whether there are different to the same barcode system. Check the printer mode. Changed the setup of printer.

Problem: Other complexion or can't read the barcode.

Solution: Close the computer, re-connect the barcode scanner with the computer and keyboard, then turn on the computer power supply and check it; if still couldn't solve the problem, please contact with the dealer of the company.