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Barcode Scanner Quick Manual

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Installation 、 Configuration Process - 1

The CCD scanner can be easily interfaced to a keyboard or a serial port to your computer. Now follow the procedures below for a proper installation.

To install the scanner as keyboard wedge:

On your first time installation, it is necessary to select a compatible computer type. (See the configuration manual for the correct type.)

1) Plug the phone jack of scanner cable into your CCD scanner.
2) Turn off your computer.
3) Remove the keyboard plug from our computer, plug it into the Din-5P or PS/2 female connector of scanner cable, and then connect the Din-5P or PS/2 make connector to the keyboard port of your computer.
4) Turn on the power of computer, the red LED indicator will light and the CCD scanner will beep to indicate a correct installation.

To install the scanner as a RS-232C device:

1) Plug the phone jack of scanner cable into your CCD scanner.
2) Turn off your computer.
3) Plug the DB-9P female connector of serial cable into RS-232C port on your computer.
4) If it is necessary, plug another end of DC jack to the adapter.
5) Turn on the power of computer, the red LED indicator will light and the CCD scanner will beep to indicate a correct installation.

Configuration Process

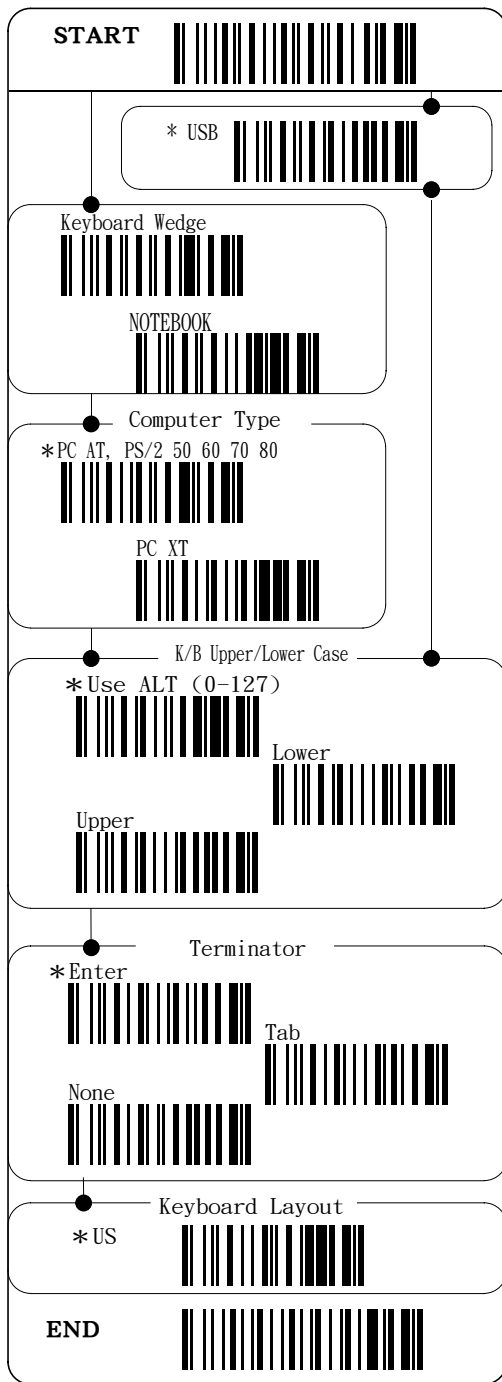One or more parameters can be re-configured to fit your need. The basic three steps of custom configuration are:

1) Scan " START " label
2) Scan desired parameters
3) Scan " END " label

You can also refer to the flow chart shown on the back of the front cover for a better idea of the configuration process.
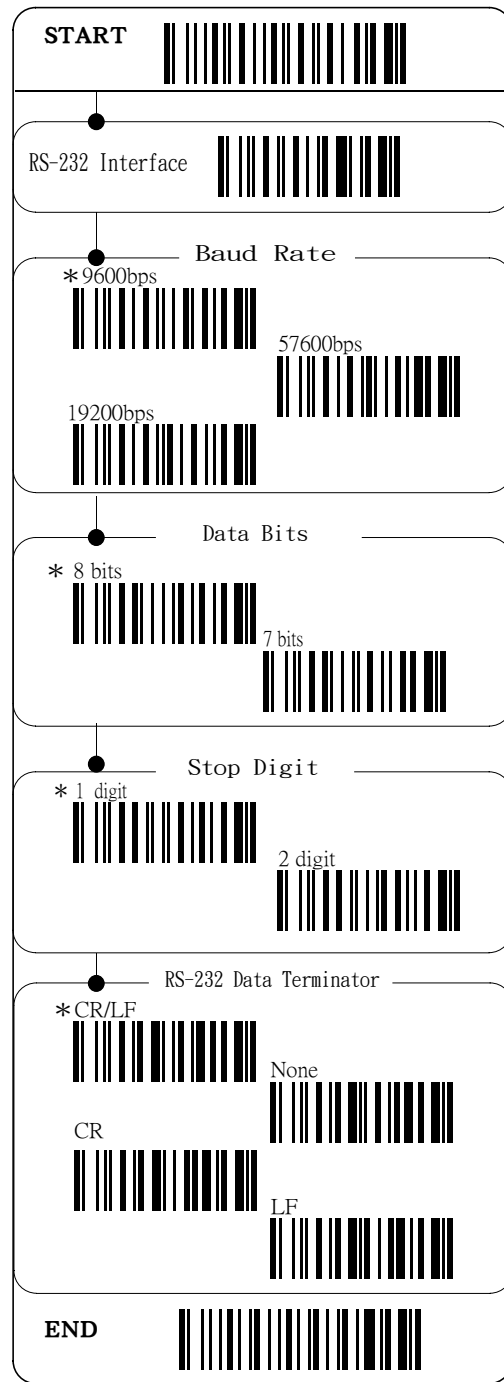
Important configuration commands are as under:
START - to begin custom configuration procedures.
END   - to end the configuration procedures and save the new selected parameters.
SET   - to give up the new settings and return to the defaults.

PS2 / USB interface-2

START

∗ USB

Keyboard Wedge

NOTEBOOK

Computer Type

∗PC AT, PS/2 50 60 70 80

PC XT

K/B Upper/Lower Case

∗Use ALT (0-127)

Lower

Upper

Terminator

∗Enter

Tab

None

Keyboard Layout

∗US

END

RS-232 Interface -3

START

RS-232 Interface

Baud Rate

∗9600bps

57600bps

19200bps

Data Bits

∗ 8 bits

7 bits

Stop Digit

∗ 1 digit

2 digit

RS-232 Data Terminator

∗CR/LF

None

CR

LF

END

Trigger Mode、LED Flash Mode - 4

START

— Trigger Mode —

* **Normal Reading Mode:**
Trigger on/off

Continous/no-trigger

Continous/trigger off

Trigger on/good read off

END

Normal Reading Mode: Trigger on/off	Pushing the keytop, the LED is keeping on. Off the keytop or while the scanner has a good read, the LED is off. When the LED is off by losing the keytop, the LED will be On again while we pushing the keytop again and ready to read decoding code.
Continuous/ No trigger	LED is always on. The barcode put in front of scanner only decode once. Change another barcode will decode another time. If you want to re-scan the same barcode, you have to move the barcode away and put it in front of the scanner window side, will do the second decode.
Continuous/ trigger off	LED is turned on by pressing the trigger, when the barcode put in front of the scanner will decode, but only decode once, won't read continuously. The read mode will be the same like Mode 2. And when you pressing the trigger again, the LED will off and won't read the code again. And press the 3rd time, the light will be ON again will repeat the decode again.
Trigger on/good read off	Connect the power, pushing the trigger, and LED will be ON 5 sec continuously, if there is no decoding during these 5 sec the LED will be off. And during this 5 sec while the scanner read successfully, the LED will be off as well.

LED FLASH Mode

START

LED flash Enable

※LED flash DISABLE

END

Barcode Setting -5

START

— UPC－A Code —

* ON

OFF

— UPC－E Code —

* ON

OFF

— EAN－13 Code —

* ON

OFF

— EAN－8 Code —

* ON

OFF

— Code－39 Code —

* ON

OFF

— Codabar Code —
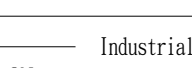
* ON

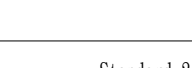OFF

END

Barcode Setting-6

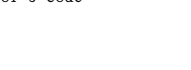**START**

Code 93 code
* ON
OFF

Code 128 code
* ON
OFF

Interleaved 2 of 5 Code
ON
*OFF

Industrial 2 of 5 Code
ON
*OFF

Standard 2 of 5 code
ON
* OFF

Matrix 2 of 5 Code
ON
*OFF

END

Testing chart - 7

These barcodes for let you test see if the barcode setting open already.

UPC-A
0 04454 52462 4

UPC-E
0 783491 8

EAN-8
2468 1353

EAN-13
9 787506 631266
(ISBN 7-5066-3126-1)

Code 39
CCD80S

Code 93
12345

CODABAR
389193724

Code 128
TW00886228801618

Interleaved 2 of 5
1094097514

RS232 PIN ASSIGNMENT

<u>DUSB-9P Female</u>

Pin	Signal
1 ———	N/C (=no connection)
2 ———	TXD
5 ———	GND
7 ———	CTS
8 ———	RTS
9 ———	VCC (+5V)
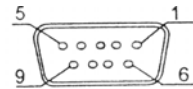
DC Adapter
+5v +- 10%
150mA (min.)

2.0ϕ 5.5ϕ
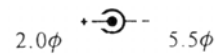
SET to scanner default
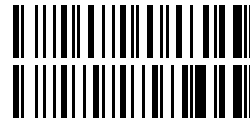
A01

Barcode Setting、Code 39 Parameters -8

START

China Postage Code
ON

*OFF

MSI/Plessey Code
ON

*OFF

END

Code 39 Parameters

START

Code 39 Type
* Standard Code

Full ASCII Code

Start/End Character
ON

*OFF

END
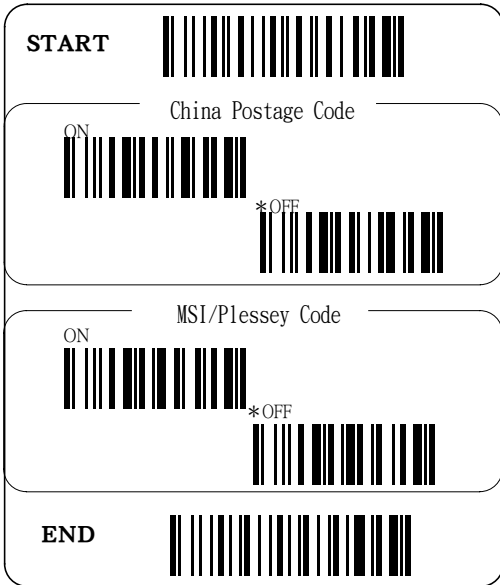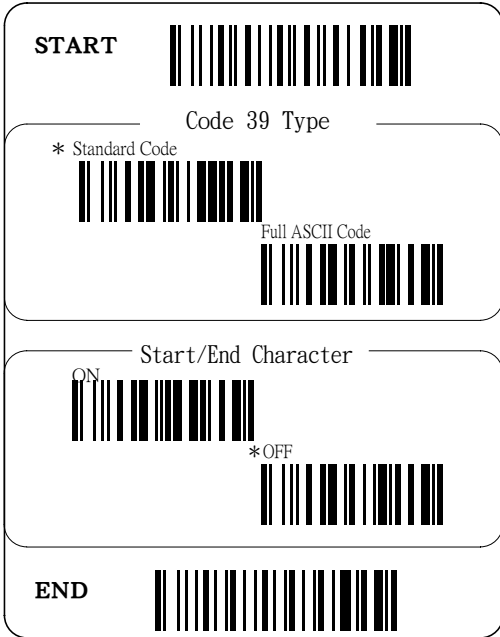
Code 93 Parameters、UPC/EAN Add 2/5 code -9

Code 39

START

*Not Verify Check Digit

Verify check Digit

*NOT Transmit check digit

Transmit Check Digit

END

Code 93

START

*NOT Transmit check digit

Transmit Check Digit

END

UPC/EAN Add 2/5 code

START

* Add 2/5 OFF

Add 2/5 ON

END
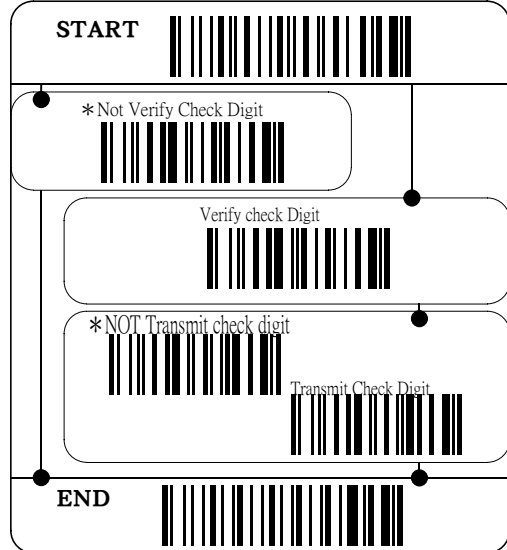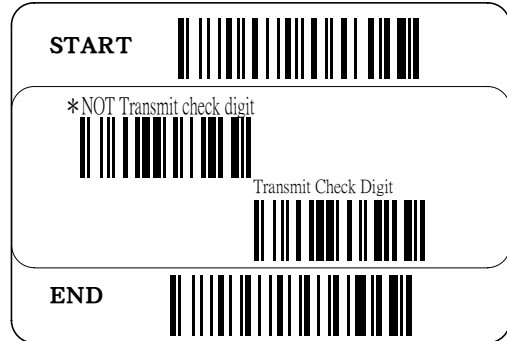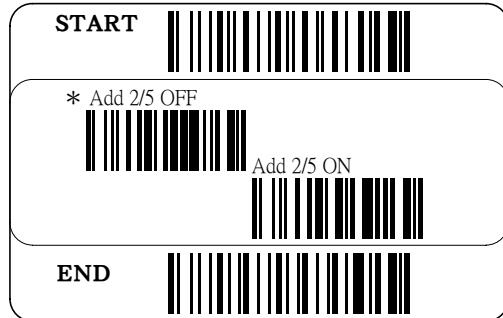
EAN-13、UPC Code Parameters -10

UPC code & EAN code transfer

START

*UPC-A NOT Transfer to EAN-13

UPC-A transfer to EAN-13

*UPC-E NOT Transfer to UPC-A

UPC-E Transfer to UPC-A

END

EAN-13 Code

START

ex

1 2 3 4 5 6 7 8 9 1 2 3 1
(for example, not setting)

check
digit

*Transmitted Check Digit

NOT Transmitted

END

ISBN/ISSN/ Parameters、CodeMark I.D.-11

EAN-13=ISBN/ISSN Code?

START

ex **ISBN** 7-5066-3126-1

9 787506 631266

(just for example, not for set)

＊NOT Transmitted EAN-13 = ISBN/ISSN

Transmitted to EAN-13 = ISBN/ISSN

END

CodeMark I.D. setting (see the CodeMark Appendix at below)

START

all CodeMark I.D. to the default

＊CANCEL all the codemark I.D.
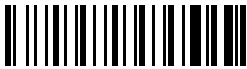
END

CodeMark Appendix

EAN - 13 is "A"	Code 128 is "I"
UPC - A is "B"	Codabar is "J"
EAN - 8 is "C"	Interleave 2/5 is "K"
UPC - E is "D"	Industrial 2/5 is "L"
Code 4 is "E"	Matrix 2/5 is "M"
Code 11 is "F"	China postage is "N"
Code 39 is "G"	Standard 2/5 is "S"
Code 93 is "H"	MSI/Plessey is "U"

EAN-8/China Postage Parameters -12

EAN-8 Check digit

START

ex 4 0 2 6 7 6 5 4

(just for example, not for set.)

＊Transmit check digit

NOT transmit check digit

END

ChinaPostage Code

START

(ChinaPostage is OFF as default, please turn ON by Barcode setting)

＊NOT Verify Check Digit

Verify Check Digit

＊NOT Transmit Check digit

Transmit Check Digit

END

UPC-A、UPC-E Code Parameters -13
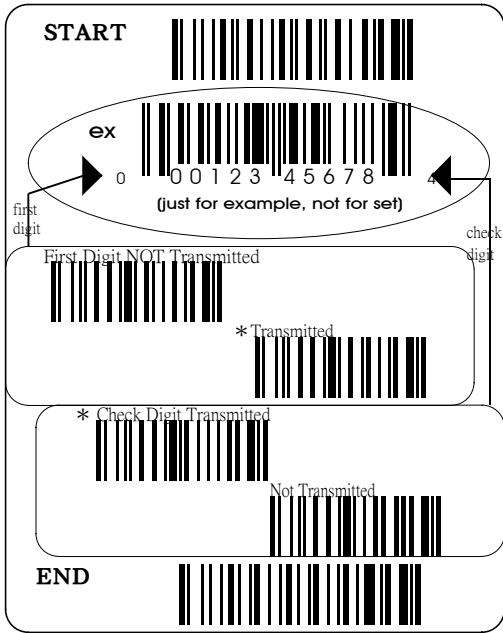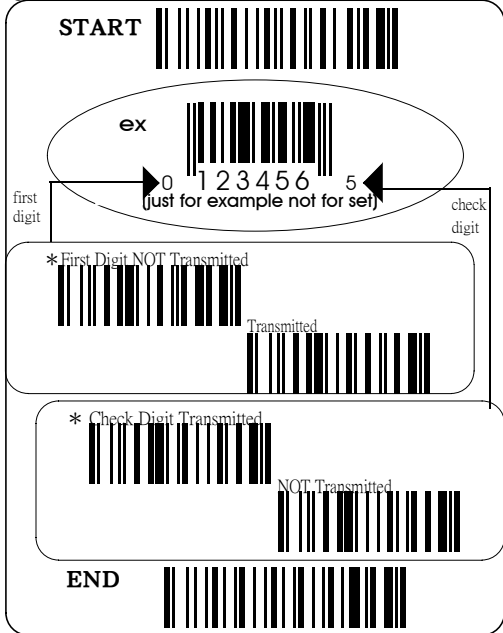
Codabar Code Parameters -14

UPC-A Code

START

ex

0   0 0 1 2 3   4 5 6 7 8   4

(just for example, not for set)

first
digit

check
digit

First Digit NOT Transmitted

＊Transmitted

＊ Check Digit Transmitted

Not Transmitted

END

UPC-E Code

START

ex

0   1 2 3 4 5 6   5

(just for example not for set)

first
digit

check
digit

＊First Digit NOT Transmitted

Transmitted

＊ Check Digit Transmitted

NOT Transmitted

END

Codabar Code

START

＊Not Verify Check Digit

Verify check Digit

＊NOT Transmit check digit

Transmit Check Digit

END

START

Start / Stop Transmission

＊OFF

ON

Format of Start/Stop Transmission

＊ ABCD/ABCD

abcd/abcd

abcd/tn＊e

END

Interleaved 2 of 5 Code

START

＊NOT Verify Check Digit

Verify Check Digit

＊NOT Transmit Check digit

Transmit Check Digit

END

Matrix 2 of 5 Code

START

(Matrix 2 of 5 is OFF as default, please turn ON by Barcode setting)

＊NOT Verify Check Digit

Verify Check Digit

＊NOT Transmit Check digit

Transmit Check Digit

END