APPENDIX

FULL ASCII (Code 39) NUMERIC TABLE

SETTING PROCEDURE

MIN / MAX LENGTH
STEP 1 - Scan: MIN LENGTH/ MAX LENGTH
STEP 2 - Scan : Two digits from Appendix .
STEP 3 - Scan: MIN LENGTH / MAX LENGTH

Please note that when Min Length and / or Max Length are enabled, the scanner will only read bar codes that fall into those length parameters. Bar codes shorter or longer than specified will not be read. The default lengths for these are indicated in parentheses under the Min and Max bar codes for each symbology.

NOTES:
1. The scanner will beep three times as a reminder that a setting is not yet complete.
2. If you make a mistake, forget a step, etc., Scan RESET to start again.

RESET

GROUP-23

SYMBOLOGIES: ABC-CODABAR, CX- CODABAR

ON

OFF

SET INSERT DATA*

ABC- CODABAR

INSERT DATA -ON

INSERT DATA- OFF

* *The data can any alphanumerics of FULL ASCII Table (GROUP 34-42)(page 52-60)*

REMARK:
ABC-CODABAR (American Blood Commission.).The ABC Code is an acronym for American Blood Commission. This bar code is a variant of the CODABAR Code developed for he use in the blood bank. This Code consists of two bar codes which are decoded in one read cycle. The code is concatenated when the stop character of the first bar code and the start character of the second bar code is a "D ", these two"D "are not transmitted.

ON

OFF

SET INSERT DATA*

CX CODE- CODABAR

INSERT DATA -ON

INSERT DATA- OFF

* *The data can any alphanumerics of FULL ASCII Table (GROUP 34-42)(page 52-60)*

REMARK:
The CX-Code consists of two bar Codes which are decoded in one read cycle, the code is concatenated when the stop character of the first bar code is a C, and the start character of the second bar code is a B. The B and C characters are not transmitted.

GROUP-24

SYMBOLOGIES : CODABAR COUPLING, ADJACENT REQUIRED.


ON


OFF


SET INSERT DATA*

CODABAR COUPLING


INSERT DATA -ON


INSERT DATA- OFF

ABC-Codabarand CX-Codabar have certain rules regarding the Stop Character of first bar code and the stop character of Second bar code while in conjunction, while Codabar-Coupling is enabled, the data from any two Codabar bar codes can be coupled into one set of data without any limitations between the Stop character of first bar code and the Start character of second bar code. The Start and Stop characters associated with each bar code each bar code will be sent.

**The data can any alphanumerics of FULL ASCII Table (GROUP 34-42)(page 52-60)*

ADJACENT REQUIRED

If CODABAR ADJACENT is enabled, the scanner will only read two adjacent Codabar bar codes, A single bar code will not be read.


ON


OFF

NOTES:

1. Both ABC-Codabar and CX-Codabar can be enabled together, except when Codabar-Coupling is also enabled.
2. If ABC-Codabar, CX-Codabar, and Codabar-Coupling are all enabled at same time, the scanner will read only Codabar-Coupling, that is, ABC-Codabar, CX-Codabar wil be considered coupling formats.

SETTING PROCEDURE - SET INSERT DATA

Step 1- Scan SET INSERT DATA.
Step 2- Scan any combination of alphanumeric characters from FULL ASCII TABLE.
Step 3- Scan SET INSERT DATA.

RESET 

NOTES:

1. The scanner will beep three times as reminder that a setting is not yet complete.
2. If you make a mistake, forget a step, etc., scan RESET to start again.

GROUP- 25

SYMBOLOGIES: STANDARD & FULL ASCII CODE 39,CODE 32

STANDARD CODE 39 & FULL ASCII 39

. G008$

ENABLE

. G009$

DISABLE

. G001$

FULL ASCII CODE 39 ENABLE

. G002$

FULL ASCII CODE 39 DISABLE

. G014$

START / STOP - SEND

. G003$

DISABLE CDV

. G004$

CDV & SEND CD

. G005$

CDV & NOT SEND CD

. G006$

MIN LENGTH (1)

. G007$

MAX LENGTH (48)

. G015$

START / STOP Not SEND

NOTE:
The default for Code 39 is Standard Code 39. If Full ASCII Code 39 is enabled, Standard Code 39 will be automatically disabled.

CODE 32

. K010$

ENABLE

. K011$

DISABLE

. K012$

LEADING SEND

. K013$

LEADING NOT SEND

. K014$

TAILING SEND

. K015$

TAILING NOT SEND

APPENDIX

FULL ASCII (Code 39) NUMERIC TABLE

SETTING PROCEDURE

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NOTES:
1. The scanner will beep three times as a reminder that a setting is not yet complete.
2. If you make a mistake, forget a step, etc., Scan RESET to start again.

RESET

GROUP-26

SYMBOLOGIES: UPC-E SYSTEM NUMBER

UPC E0

E (0) OFF

E (0) ON

UPC E1

E (1) ON

E (1) OFF

NOTE:
Most UPC Bar codes lead with 0 number systems, For these bar codes use UPC E(0) Selection, For the bar codes that lead with the 1 number, use UPC(E1) select

UPC-E EXPAND TO UPC-A

ENABLE

DISABLE

NOTE:
1. If UPC E EXPAND TO UPC A FORMAT set enabled, The output of UPC-A will be 12 digits.
2. The default output of UPC-A is 12 digits, if UPC-A EXPAND TO EAN13 is enabled, a zero will be added to in front of the bar code.

GROUP-27

SYMBOLOGIES FORMATTING: UPC-E

. H007$

ENABLE

. H008$

DISABLE

. H009$

LEAD DIGIT SEND

UPC-E

. H010$

LEAD DIGIT NO SEND

. H011$

CHECK DIGIT SEND

. H012$

CHECK DIGIT NO SEND

. H037$

+5 ON

. H038$

+ 5 OFF

. H039$

+2 ON

. H040$

+ 2 OFF

ADD ON SUPPLEMENT

. H047$

ADD A SPACE ON

. H048$

ADD A SPACE OFF

. H055$

ADDENDA REQUIRED OFF

. H056$

ADDENDA REQUIRED ON

NOTE:
If **ADDENDA REQUIRED** is set to ON, The scanner will only read an UPC-E bar code that has an addenda.

GROUP-28

SYMBOLOGIES FORMATTING: UPC -A

ENABLE

DISABLE

LEAD DIGIT SEND

UPC- A

LEAD DIGIT NO SEND

CHECK DIGIT SEND

CHECK DIGIT NO SEND

UPC-A EXPAND TO E EAN -13

ENABLE

DISABLE

+5 ON

+ 5 OFF

+2 ON

+ 2 OFF

ADD ON SUPPLEMENT

ADD A SPACE ON

ADD A SPACE OFF

ADDENDA REQUIRED OFF

ADDENDA REQUIRED ON

NOTE:
If **ADDENDA REQUIRED** is set to ON, The scanner will only read an UPC-A bar code that has an addenda.

GROUP-29

SYMBOLOGIES FORMATTING: EAN 8

ENABLE

DISABLE

LEAD DIGIT SEND

EAN-8

LEAD DIGIT NO SEND

CHECK DIGIT SEND

CHECK DIGIT NO SEND

+ 5 ON

+ 5 OFF

+ 2 ON

+ 2 OFF

ADD ON SUPPLEMENT

ADD A SPACE ON

ADD A SPACE OFF

ADDENDA REQUIRED OFF

ADDENDA REQUIRED ON

NOTE:
If **ADDENDA REQUIRED** is set to ON, The scanner willonly read an **EAN-8** bar code that has an addenda.

GROUP-30

SYMBOLOGIES FORMATTING: EAN13 ,ISBN,ISSN,ISMN

EAN-13

. H013$
ENABLE

. H014$
DISABLE

. H015$
LEAD DIGIT SEND

. H016$
LEAD DIGIT NO SEND

. H017$
CHECK DIGIT SEND

. H018$
CHECK DIGIT NO SEND

ADD ON SUPPLEMENT

. H025$
+ 5 ON

. H026$
+ 5 OFF

. H027$
+ 2 ON

. H028$
+ 2 OFF

. H041$
ADD A SPACE ON

. H042$
ADD A SPACE OFF

. H057$
ADDENDA REQUIRED OFF

. H058$
ADDENDA REQUIRED ON

ISBN

. H050$
ISBN OFF

. H049$
ISBN ON

NOTES:

1. If ADDENDA REQUIRED is set to ON, the scanner will only read an EAN-13 bar code that has an addenda.
2. Either ISBN or ISBN will be considered as an extension of EAN-13, If ISSN or ISBN need to be read , EAN13 must be enabled. If ISSN and ISBN need to be read with addenda, EAN13 must be enabled with ADDENDA REQUIRED set to ON.

ISSN

. H052$
ISSN OFF

. H051$
ISSN ON

NOTE :
Both ISSN and ISBN are the extension codes of EAN-13, If scanner is required to read either ISSN or ISBN, Enable EAN-13 must be enabled. Otherwise the scanner will not able to read the ISSN or ISBN.

ISMN

. H070$
ISMN OFF

. H069$
ISMN ON

GROUP-31

SYMBOLOGIES: EAN/UCC-128, CODE 128

.M001$

ENABLE

.M002$

DISABLE

.M003$

CODE ID ENABLE

.M004$

CODE ID DISABLE

EAN/ UCC- 128

.M005$

FUNC 1CHEAR SEND

.M006$

FUNC 1 CHEAR NOT SEND

.M007$

DEFINE EAN 128

NOTES :DEFINE EAN 128

The first FNC1 character is translated to]c1, and the second FNC1 character is translated to an ASCII <GS> character (scan from Group 43-45). (page61-63)

String format :

]C1	DATA CHARACTERS	<GS>	DATA CHARACTERS

Setting Procedure:

1:Scan DEFINE EAN128.
2: Scan ASCII Code (page60)
3: Scan DEFINE EAN128.

CODE 128

.J010$

ENABLE

.J011$

DISABLE

.J012$

MIN LENGTH (5)

.J013$

MAX LENGTH (48)

GROUP-32

RSS, LIMITED, EXPANDED

RSS

. N032$

RSS-14 ENABLE

. N033$

RSS-14 DISABLE

. N034$

RSS-14 CHECK DIGIT SEND

. N035$

RSS-14 CHECK DIGIT NOT SEND

. N036$

RSS-14 PREFIX SEND

. N037$

RSS-14 PREFIX NOT SEND

. N038$

RSS-14 STACKED ENABLE

. N039$

RSS-14 STACKED DISABLE

. P024$

RSS-14 SET ID

LIMITED

. N010$

RSS-LIMITED ENABLE

. N011$

RSS-LIMITED DISABLE

. N012$

RSS-LIMITED CHECK DIGIT SEND

. N013$

RSS-LIMITED CHECK DIGIT NOT SEND

. N024$

RSS-LIMITED PREFIX SEND

. N025$

RSS-LIMITED PREFIX NOT SEND

. P019$

RSS-LIMITED SET ID

EXPANDED

. N026$

RSS-EXPANDED ENABLE

. N027$

RSS-EXPANDED DISABLE

. N028$

RSS-EXPANDED STACKED ENABLE

. N029$

RSS-EXPANDED STACKED DISABLE

. N030$

RSS-EXPANDED MIN LENGTH

. N031$

RSS-EXPANDED MAX LENGTH

. P020$

RSS-EXPANDED SET ID

GROUP-33

BULE TOOTH MODEL

Connecting Multiple Handheld Barcode to a BT Bluetooth Adapter

The Quick Guide describes the steps to connect Hand-held Barcode scanner to Bluetooth adapter. Other Bluetooth adapters may have similar installation steps. Please read the user manual before you setup Hand-held barcode scanner and Bluetooth adapter.

Package Contents

- CCD Barcode scanner with Bluetooth
- AC adapter
- Bluetooth adapter(Dongle) (optional)
- Program CD and quick guide manual
- USB cable(optional)

Setup the Bluetooth Adapter

Please follow the steps shown below to install the Bluetooth adapter in your computer:

1. Plug the USB Bluetooth adapter to USB port. Windows Found New Hardware Wizard “BT EDR Dongle” will guide you through the Bluetooth Adapter installation.

2. If the New Hardware Wizard can not auto-detect the driver, you can also take the following options to install:
   a. You need to go to “Start” and click on “Windows Update” to acquire the most recent updates. You should be able to complete the installation afterwards.
   b. Use the installation CD from the package to install the software. Installation program will guide you through the software installation.
3. Once the installation is complete there will be an Icon in the System Tray. The System Tray is located near the Windows System Time.

GROUP-33

BULE TOOTH MODEL

Setting up Barcode Scanner with Bluetooth Adapter (Dongle)

1. "Right Click" on the Bluetooth icon in the System Tray. Then select option "Add new Bluetooth hardware."
2. Go to next page and find the "Disconnect BT" label on the bottom of the page.
3. While the Bluetooth setup wizard is searching for Bluetooth devices, **click on the trigger of the scanner to activate the connection. Scan the "Disconnect BT" barcode to complete the search.**
4. Select "Device Name" from device selection menu.

5. Follow the Bluetooth setup wizard until you have the option to register pin code or skip. You can skip the PIN code setup for now and register it later.

PIN code registration/matching:

6. Select PIN code registration
7. Enter your PIN code manually then click on PIN code matching.
8. Scan the PIN code you entered manually referring to the "Bluetooth setting" next page. Finally, scan the "CR" barcode at the bottom which represents as "Enter."
9. Follow the setup wizard until you click on "Finish."

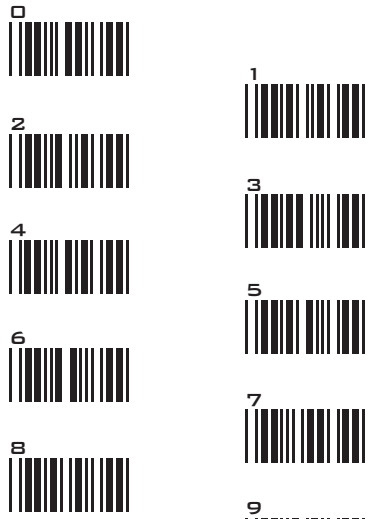
CAUTION

1. The desktop PC or Notebook should remain active at all time during the scanning process. If desktop PC or Notebook were disconnected from scanner during transmission, the scanning process would be interrupted and the data may be lost. Recommend to turn off any hibernation or standby mode of the PC or Notebook.
2. For Windows Vista version, you need to register/ match the PIN code for barcode scanner to function properly.

GROUP-33

BULE TOOTH MODEL

BlueTooth setting (pin code and disconnection)



CR

DISCONNECT BT

GROUP-34

FULL ASCII TABLE (CODE 39)

NUL

STX

EOT

ACK

BS

LF

FF

SO

SOH

ETX

ENQ

BEL

HT

VT

CR

SI

GROUP-35

FULL ASCII TABLE (CODE 39)

DLE

DC1

DC2

DC3

DC4

NAK

SYN

ETB

CAN

EM

SUB

ESC

FS

GS

RS

GROUP-36

FULL ASCII TABLE (CODE 39)

US

!

#

%

<

:

>

@


SP

"

$

&

;

=

?

GROUP-37

FULL ASCII TABLE (CODE 39)

/ H
(

/ G
'

/ I
)

/ J
*

/ L
,

.
.

+
+

-
-

/
/

A
A

B
B

C
C

D
D

E
E

F
F

GROUP-38

FULL ASCII TABLE (CODE 39)

G

I

K

L

N

P

R

T

H

J

M

O

Q

S

U

GROUP-39

FULL ASCII TABLE (CODE 39)

V

X

Z

\

^

`

b

d

W

Y

[

]

-

a

c

GROUP-40

FULL ASCII TABLE (CODE 39)

e

f

g

h

i

j

k

l

m

n

o

p

q

r

s

GROUP-41

FULL ASCII TABLE (CODE 39)

+T

t

+U

u

+V

v

+W

w

+X

x

+Y

y

+Z

z

%Q

|

%R

}

%P

{

%T

DEL

%S

~

%V/ F

ENTER

GROUP-42

FULL ASCII NUMERIC TABLE (CODE 39)


0


1


2


3


4


5


6


7


8


9

GROUP-43

FUNCTION CODE TABLE (CODE 39)

F1

F2

F3

F4

F5

F6

F7

F8

F9

F10

F11

F12

Home

End

GROUP-44

FUNCTION CODE TABLE (CODE 39)

$TO

Cursor Right

$TP

Cursor Left

$TQ

Cursor Up

$TR

Cursor Down

$TS

Page Up

$TT

Page Down

$TU

Tab

$TV

Back Tab

$TW

Esc

$TX

Enter

$TY

BS

$TZ

Ins

$T%K

Del

GROUP-45

FUNCTION CODE TABLE (CODE 39)

$T%L

Alt（Left） make*1

$T%M

Alt（Left）break

$T%N

Shift（Left） make *2

$T%O

Shift（Left） break

$T%W

Ctrl（Left） makek *3

$T+A

Ctrl（Left） braek

$T+D

Enter（Numeric Key）

For UK Keyboard Special Character

$T+B

$T+C

£

Note:

*1. “Alt(left)Make” is programmed, please scan “Alt(left)Break” to resume barcode setting.
*2. “Shift(left)Make” is programmed, please scan “Shift(left)Break” to resume barcode setting.
*3. ”Ctrl(left)Make” is programmed, please scan “Ctrl(left)Break” to resume barcode setting.

GROUP- 46

TROUBLE SHOOTING

The Ezscan is simple to install and use. Most operational problems can be attributed to:

INCORRECT INTERFACE CONNECTION
INCORRECT CONFIGURATION SETUP
POOR BAR CODE QUALITY

GENERAL PROCEDURES

1. First, make sure the scanner is firmly connected to the host computer, when attached correctly, the scanner will emit one long beep. When the trigger is pressed, LED will flash.

2. Once the power is on, try scanning some sample bar codes from this user's guide. The scanner should beep and the LED should flash to indicate a good read in the default configuration . If reading the bar code does not result in a good read, there may have been a problem with the scanning technique or the interface configuration setting. Reset the scanner to default.

3. If the scanner indicates a good read,but no output of data to the monitor, please check the cabling connect

KEYBOARD INTERFACES PROBLEMS.

In general, the Keyboard Wedge interface is trouble free, but there still are some things to check in the event of a problem.

Do you have the correct cable?
Most computers use an XT/AT-compatible keyboard. Be sure you have the proper cable for your computer.

Does the keyboard work?
Since the keyed-in data from keyboard must pass through the decoder, the cabling connections are correct if the keyboard is functioning.

Can your computer accept the data fast enough?
Your computer's BIOS has a feature related to keyboard typing speed. Try to set the Intercharacter Delay feature to stimulate the keystroke entry speed.

Does keyboard port supply enough power ?
Most notebook computers do not supply enough power to the scanner. The symptom of insufficient power is a lower "good read" rate (since there is not enough power to properly support the scanning operation).