

APPENDIX

FULL ASCII (Code 39) NUMERIC TABLE

0		1	
2		3	
4		5	
6		7	
8		9	

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-20

SYBBOLOGIES : INTERLEAVED 2 OF 5 , CODE 11.



ENABLE



DISABLE



DISABLE CDV



CDV & SEND CD



CDV & NOT SEND CDV

INTERLEAVE 2 OF 5



First digit suppressed



Last digit suppressed



NO suppressed



MIN LENGTH (6)



MAX LENGTH (48)



ENABLE



DISABLE



DISABLE CDV



CDV & SEND CD



CDV & SEND CD
(1 DIGIT)

CODE 11



CDV & SEND CD
(2 DIGITS)



CDV & NOT SEND CD



MIN LENGTH (6)



MAX LENGTH (32)

GROUP-21

SYMBOLOGIES : INDUSTRIAL 2 OF 5, MATRIX 2 OF 5

. N001\$



ENABLE

. N002\$



DISABLE

. N003\$



DISABLE CDV

. N004\$



CDV & SEND CD

INDUSTRIAL 2 OF 5

. N005\$



CDV & NOT SEND CD

. N006\$



MIN LENGTH (6)

. N007\$



MAX LENGTH (48)

. M010\$



ENABLE

. M011\$



DISABLE

. M012\$



DISABLE CDV

. M013\$



CDV & SEND CD

MATRIX 2 OF 5

. M014\$



CDV & NOT SEND CD

. M015\$



MIN LENGTH (6)

. M016\$



MAX LENGTH (48)

GROUP-22

SYMBOLOLOGIES: CODABAR

. I 001\$

ENABLE

. I 002\$

DISABLE

. I 005\$

DISABLE CDV

. I 006\$

CDV & SEND CD

CODABAR

. I 007\$

CDV & NOT SEND CD

. I 008\$

MIN LENGTH (6)

. I 009\$

MAX LENGTH (48)

. I 030\$

ST/SP: abcd/abcd

. I 029\$

ST/SP: ABCD/ABCD

. I 031\$

ST/SP: ABCD/TN*E

. I 032\$

ST/SP: abc/tn*e

START / STOP

. I 003\$

SEND START /STOP

. I 004\$

Not Sent START / STOP

Example of ST (Start) / SP (Stop)

123456 Not Transmit ST/SP

A123456B ST/SP: ABCD/ABCD

a123456b ST/SP: abcd/abcd

A123456N ST/SP: ABCD/TN*E

a123456n ST/SP: abc/tn*e

. I 027\$

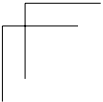
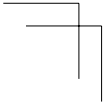
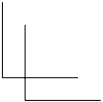
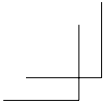
CLSI FORMAT ON

. I 028\$

CLSI FORMAT OFF

CLSI FORMAT

CLSI- Enable library space insertion. If you enable the CLSI format, this option inserts spaces in position 2,7,13of the datastring for use in library systems



GROUP-23

SYMBOLOLOGIES: ABC-CODABAR, CX- CODABAR

. I 017\$ ON	ABC- CODABAR
. I 018\$ OFF	. I 039\$ INSERT DATA -ON
. I 035\$ SET INSERT DATA*	. I 036\$ 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.

. I 022\$ ON	CX CODE- CODABAR
. I 023\$ OFF	. I 040\$ INSERT DATA -ON
. I 037\$ SET INSERT DATA*	. I 038\$ 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.

. I 019\$ ON	CODABAR COUPLING
. I 020\$ OFF	. I 041\$ INSERT DATA -ON
. I 021\$ SET INSERT DATA*	. I 026\$ INSERT DATA- OFF

ABC-Codabar and 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.

NOTES:

- Both ABC-Codabar and CX-Codabar can be enabled together, except when Codabar-Coupling is also enabled.
- 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 will be considered coupling formats.

. I 033\$ ON
. I 034\$ OFF

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:

- The scanner will beep three times as reminder that a setting is not yet complete.
- 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.

. K010\$

ENABLE

. K011\$

DISABLE

. K012\$

LEADING SEND

CODE 32

. K013\$

LEADING NOT SEND

. K014\$

TAILING SEND

. K015\$

TAILING NOT SEND

GROUP-26

SYMBOLOGIES: UPC-E SYSTEM NUMBER

UPC E0



UPC E1



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



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



ENABLE



DISABLE



LEAD DIGIT SEND

UPC-E



LEAD DIGIT NO SEND



CHECK DIGIT SEND



CHECK DIGIT NO SEND



+5 ON



+5 OFF



+2 ON



+2 OFF

ADD ON SUPPLEMENT



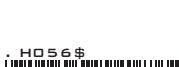
ADD A SPACE ON



ADD A SPACE OFF



ADDENDA REQUIRED OFF



ADDENDA REQUIRED ON

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

GROUP-28

SYMBOLOGIES FORMATTING: UPC -A

. H001\$ ENABLE	UPC- A . H004\$ LEAD DIGIT NO SEND
. H002\$ DISABLE	. H005\$ CHECK DIGIT SEND
. H003\$ LEAD DIGIT SEND	. H006\$ CHECK DIGIT NO SEND

UPC-A EXPAND TO E EAN -13

. H068\$ ENABLE
. H067\$ DISABLE

. H033\$ +5 ON	ADD ON SUPPLEMENT . H045\$ ADD A SPACE ON
. H034\$ + 5 OFF	. H046\$ ADD A SPACE OFF
. H035\$ +2 ON	. H059\$ ADDENDA REQUIRED OFF
. H036\$ + 2 OFF	. H060\$ 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 will only read an **EAN-8** bar code that has an addenda.

GROUP-30

SYMBOLOGIES FORMATTING: EAN13 ,ISBN,ISSN,ISMN

 ENABLE	EAN-13
 DISABLE	 LEAD DIGIT NO SEND
 LEAD DIGIT SEND	 CHECK DIGIT SEND
	 CHECK DIGIT NO SEND

 + 5 ON	ADD ON SUPPLEMENT
 + 5 OFF	 ADD A SPACE ON
 + 2 ON	 ADD A SPACE OFF
 + 2 OFF	 ADDENDA REQUIRED OFF
	 ADDENDA REQUIRED ON

 ISBN OFF	ISBN
	 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 ISSN 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 OFF	ISSN
	 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 OFF	ISMN
	 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 1 C HEAR SEND

. M006\$

FUNC 1 C HEAR 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

. N032\$



RSS-14 ENABLE

. N034\$



RSS-14 CHECK DIGIT SEND

. N036\$



RSS-14 PREFIX SEND

. N038\$



RSS-14 STACKED ENABLE

. P024\$



RSS-14 SET ID

RSS

. N033\$



RSS-14 DISABLE

. N035\$



RSS-14 CHECK DIGIT NOT SEND

. N037\$



RSS-14 PREFIX NOT SEND

. N039\$



RSS-14 STACKED DISABLE

. N010\$



RSS-LIMITED ENABLE

. N012\$



RSS-LIMITED CHECK DIGIT SEND

. N024\$



RSS-LIMITED PREFIX SEND

. P019\$



RSS-LIMITED SET ID

LIMITED

. N011\$



RSS-LIMITED DISABLE

. N013\$



RSS-LIMITED CHECK DIGIT NOT SEND

. N025\$



RSS-LIMITED PREFIX NOT SEND

. N026\$



RSS-EXPANDED ENABLE

. N028\$



RSS-EXPANDED STACKED ENABLE

. N030\$



RSS-EXPANDED MIN LENGTH

. P020\$



RSS-EXPANDED SET ID

EXPANDED

. N027\$



RSS-EXPANDED DISABLE

. N029\$



RSS-EXPANDED STACKED DISABLE

. N031\$



RSS-EXPANDED MAX LENGTH