

## **USING THIS MANUAL TO SETUP YOUR DEVICE**

**To set up all the necessary functions you can use the following barcode menus.**

**Using these barcodes, you should enter in program mode, scan the required command symbol then exit from program mode.**

**The general procedure is the following:**

- 1) Scan the command symbol "PROGRAM"**
- 2) Scan one or more parameters**
- 3) Scan the command symbol "END"**

**(note)**

**Code 2/5 symbologies have an unchecked reading mode, so that, you could set a fixed code length to avoid any reading errors.**

**Following is the correct procedure:**

- 1) Scan the command symbol "PROGRAM"**
- 2) Scan the command symbol "FIXED LENGTH"**
- 3) Scan the command symbol "END"**

**The first two scanned barcodes 2/5 will be stored as fixed length values.**

**The following procedure will reset the above selection:**

- 1) Scan the command symbol "PROGRAM"**
- 2) Scan the command symbol "FIXED LENGTH OFF"**
- 3) Scan the command symbol "END"**

## **COMPLEX DEVICE SETTINGS**

**Set MIN/MAX barcode length:**

- 1) Scan the command symbol "PROGRAM"
- 2) Scan the symbol "SET MAX&MIN"
- 3) Scan barcode symbology (i2/5, 39,... etc...)
- 4) Scan the symbol "MM" or "NN" (max or min)
- 5) Scan 2 digits from the ASCII table
- 6) Scan the symbol "SET MAX&MIN"
- 7) Scan the command symbol "END"

**Set PREAMBLE/POSTAMBLE**

- 1) Scan the command symbol "PROGRAM"
- 2) Scan the symbol "PREAMBLE/POSTAMBLE"
- 3) Scan up to 16 characters from the ASCII table
- 4) Scan the symbol "PREAMBLE/POSTAMBLE"
- 5) Scan the command symbol "END"

**Set RS-232 to KEYBOARD WEDGE**

- 1) Scan the command symbol "PROGRAM"
- 2) Scan the symbol "RS-232 TO KB WEDGE"
- 3) Scan the RS-232 parameters (bps, data, parity,...)
- 4) Scan the RX modes
  - a) COUNTER ENABLE(wait for a fixed number of characters to convert the received message)
  - b) CODE ENABLE(wait for an ASCII character as record terminator to convert the received message)
- 5a) Scan the command symbol "COUNTER SET", scan 3 digits from the ASCII table then scan once more the command symbol "CODE SET"
- 5b) Scan the command symbol "CODE SET", scan the characters you want to set as RX message terminator from the ASCII table, then scan once more the command symbol "CODE SET".
- 6) Scan the command symbol "END"



**PARAMETERS SETTING**  
**ENTER/EXIT SETUP**



**PROGRAM**



**DEFAULT**



**END**



**VER. CODE DISABLE**



**VER. CODE ENABLE**

## ***I/O INTERFACE***

### ***Device & Interface Selection***



***KEYBOARD WEDGE\****



***PC/AT***



***PS/2***



***RS-232 SERIAL***



***RS-232 TO KB-WEDGE***



***WAND EMULATION***



***OCIA***



***TX Wand Emulation as Code-39***



***TX Wand Emulation as as EAN.***  
***Scan this code then scan 1,2 or 3***  
***from the ASCII table to indicate***  
***the mode you want to use:***  
***AUTO, EAN-8 or EAN-13 then***  
***scan this code once more.***

**BARCODE SIMBOLOGY**  
**Symbologies Selection**



**CODE-39 DISABLE**



**CODE-39 ENABLE\***



**FULL ASCII CODE-39\***



**STANDARD CODE-39**



**CODE-128 DISABLE**



**CODE-128 ENABLE**



**CODE-93 DISABLE**



**CODE-93 ENABLE**



**CODE-32 ENABLE**



**CODE-32 DISABLE**



**ISBN DISABLE**



**ISBN ENABLE**

## ***Symbology Setting (1 2/5)***



***1 2/5 DISABLE***



***1 2/5 ENABLE\****



***FIXED LENGTH ON\****



***FIXED LENGTH OFF***



***1<sup>st</sup> DIGIT SUPPRESS***



***LAST DIGIT SUPPRESS***



***NO DIGIT SUPPRESS\****

## *Symbology Setting (CODE 128)*



***EAN-128 DISABLE\****



***EAN-128 ENABLE***



***EAN-128 SEPAR. SET***



***CHECK DIGIT DISABLE***



***CHECK DIGIT ENABLE\****

## *Symbology Setting (S 2/5)*



*S 2/5 DISABLE*



*S 2/5 ENABLE\**



*FIXED LENGTH ON\**



*FIXED LENGTH OFF*



*ADD CHK-DIGIT*



*VERIFY CHK-DIGIT*



*DON'T ADD CHK-DIGIT*

## *Symbology Setting (UPC-A)*



*UPC-A DISABLE*



*UPC-A ENABLE\**



*LEADING DIGIT SEND\**



*LDNG. DIGIT NOT SENT*



*ADD CHK-DIGIT\**



*DON'T ADD CHK-DIGIT*

## *Symbology Setting (UPC-E)*



*UPC-E DISABLE*



*UPC-E ENABLE\**



*LEADING DIGIT SEND\**



*LDNG. DIGIT NOT SENT*



*ADD CHK-DIGIT\**



*DON'T ADD CHK-DIGIT*



*ZERO EXP. ENABLE*



*ZERO EXP. DISABLE\**

## ***Symbology Setting (EAN-8)***



***EAN-8 DISABLE***



***EAN-8 ENABLE\****



***LEADING DIGIT SEND\****



***LDNG. DIGIT NOT SENT***



***ADD CHK-DIGIT\****



***DON'T ADD CHK-DIGIT***

## *Symbology Setting (EAN-13)*



***EAN-13 DISABLE***



***EAN-13 ENABLE\****



***LEADING DIGIT SEND\****



***LDNG. DIGIT NOT SENT***



***ADD CHK-DIGIT\****



***DON'T ADD CHK-DIGIT***

***Symbology Setting (EAN/UPC SUPPLEMENTAL)***



***2 DIGIT SUPPL. DISAB.\****



***2 DIGIT SUPPL. ENAB.***



***5 DIGIT SUPPL. DISAB.\****



***5 DIGIT SUPPL. ENAB.***



***SPACE SEPARATOR ON***



***SPACE SEPAR. OFF***



***TRANSMIT IF PRESENT***



***MUST BE PRESENT***

## *Symbology Setting (CODABAR)*



***CODABAR DISABLE***



***CODABAR ENABLE\****



***START/STOP SEND\****



***START/STOP NOT SENT***

## *Symbology Setting (MSI)*



***MSI DISABLE***



***MSI ENABLE\****



***DOUBLE MOD 10***



***MOD 11 PLUS MOD 10***



***SINGLE MOD 10***



***SEND***



***NOT SENT\****

## ***Symbology Setting (CODE-11)***



***CODE-11 DISABLE***



***CODE-11 ENABLE\****



***ONE CHECK DIGITS***



***TWO CHECK DIGITS***



***SEND***



***NOT SENT\****

## **RS-232 SERIAL PARAMETERS**

### **Baud Rate**



**300**



**1200**



**2400**



**4800**



**9600**



**19200\***



**38400**

### *Parity*



*EVEN*



*ODD*



*MARK*



*SPACE*



*NONE*

### *Data Bits*



*7 BITS\**



*8 BITS\**

### *ACK/NACK protocol*



*OFF\**



*ON*

***RS-232 additional parameters***



***CTS/RTS DISABLE\****



***CTS/RTS ENABLE***



***RS-485 ENABLE***



***RS-485 DISABLE\****



***LRC ENABLE***



***LRC DISABLE\****

## **RS-232 TO KBD-WEDGE PARAMETERS**

### **Conversion modes and terminator status**



**COUNTER ENABLE\***



**COUNTER SET  
(01/99 DEFAULT-15)**



**CODE ENABLE**



**CODE SET  
(ASCII CODE 01/7F)**



**TERMINATOR PASS**



**TERMINATOR CUT**

## **DATA FORMAT**

### **Terminators**



**ENTER (CR+LF)\***



**FIELD-EXIT (CR)**



**RETURN (LF)**



**NONE**

### *Code-ID*



*NONE\**



*USER DEFINED*



*DEFAULT*

### *Data Length*



*EXCLUDE\**



*INCLUDE*

### *Preamble / Postamble*



*PREAMBLE*



*POSTAMBLE*

## *Define Code-ID*



*DEFINE CODE-ID*



*CODE-39 FULL ASCII*



*CODE-39 STANDARD*



*EAN-13*



*UPC-A*



*EAN-8*



*UPC-E*



*12/5*

**Define Code-ID**



**CODABAR**



**CODE-128**



**CODE-93**



**S 2/5**



**MSI**



**CODE-11**

## *Custom Code Editing*



***SET EDIT MODE***



***SELECT FROM LEFT***



***SELECT FROM RIGHT***

***Scan SET EDIT MODE, Scan LEFT or RIGHT then scan 2 digits from the ASCII table to select the required length and scan LEFT or RIGHT once more.***



***CUSTOM MODE ENAB.  
(Enable above setting)***



***CUSTOM MODE DISAB.\*  
(Disable above setting)***



***FULL DATA EDIT DISAB  
(Disable following setup)***



***FULL DATA EDIT SETUP***

***Scan FULL DATA EDIT SETUP then scan 2 digits from the ASCII table to select the start position, scan the "." Character and 2 more digits as the required string length, close this procedure by scanning once more the above barcode.***

## **READER FUNCTIONS**

### **Laser ON timeout**



**NONE\***



**SHORT**



**MEDIUM**



**LONG**



**SECURITY LEVEL**  
*(Redudancy on decoding)*

*Scan the above barcode then scan 1, 2, 3 from the ASCII table to select how many attempt the decoder should do before a good reading, then scan thi barcode once more to close this procedure.*

***Beep Tone on decoding***



***NONE***



***LOW***



***MEDIUM\****



***HIGH***

***Reading mode***



***Switch mode\****



***Flash mode***



***Repeat mode***

## *Intercharacter delay*



***1 ms \****



***5 ms***



***10 ms***



***20 ms***



***50 ms***



***100 ms***

*Intermessage delay*



***NONE \****



***50 ms***



***200 ms***



***500 ms***



***1 sec***



***2 sec***

## **KBD-WEDGE PARAMETERS**

### **Function codes**



**OFF**



**ON\***

### **Upper / Lower case**



**LOWER CASE**



**UPPER CASE\***

### **Num-lock emulation**



**OFF\***



**ON**

*Keyboard language*



***USA\****



***U.K.***



***SWISS***



***SWEDISH***



***SPANISH***



***NORWEGIAN***



***ITALIAN***



***GERMAN***



***FRENCH***

## **BARCODE LENGTH PARAMETER**

### **Barcode Fixed length**



**SET MAX&MIN**



**CODE-39 (1-64)**



**I 2/5 (4-64)**



**S 2/5 (4-64)**



**CODE-128 (4-64)**



**MSI (4-16)**



**CODE-93 (4-64)**



**CODE-11 (4-64)**



**CODABAR (4-64)**



**MAX ( MM )**



**MIN ( NN )**

## ASCII TABLE



!



"



#



\$



%



&



'



)



(



\*



+



,



-



.



/



0



1



2



3



4

## ASCII TABLE



5



6



7



8



9



:



;



<



=



>



?



@



A



B



C



D



E



F



G



H



I



J

## ASCII TABLE



# ASCII TABLE



a



b



c



d



e



f



g



h



i



j



k



l



m



n



o



p



q



r



s



t



u



v

## ASCII TABLE



w



x



y



z



{



|



}



~



DEL



NUL



SOH



STX



ETX



EOT



ENQ



ACK



BEL



BS



HT



LF



VT



FF

## ASCII TABLE



CR



SO



SI



DLE



DC1



DC2



DC3



DC4



NAK



SYN



ETB



CAN



EM



SUB



ESC



FS



GS



RS



US



SP

## ASCII TABLE



F1



F2



F3



F4



F5



F6



F7



F8



F9



F10



F11



F12



HOME



END



CURSOR RIGHT



CURSOR LEFT



CURSOR UP



CURSOR DOWN



PAGE UP



PAGE DOWN



TAB



BACK TAB



ESC



ENTER



RIGHT CTRL