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Auxiliary Tables for Setting HEX/ASCII Table

HEX/ASCII Table Optional Barcode

Appendix 1 Appendix 2

Introduction

Thank you for selecting this laser barcode scanner. This scanner is equipped with the advanced laser optical technology. Morever, it enables lots of barcode decoding settings to meet your applications.

It is easy to change any decoding setting of this scanner. You just need to follow the setup flow chart and scan the required barcodes. Your new settings will be kept in the scanner even after power off. Also, you can change back the factory defaults easily.

Should you have any question in changing the settings, please feel free to contact your supplier.

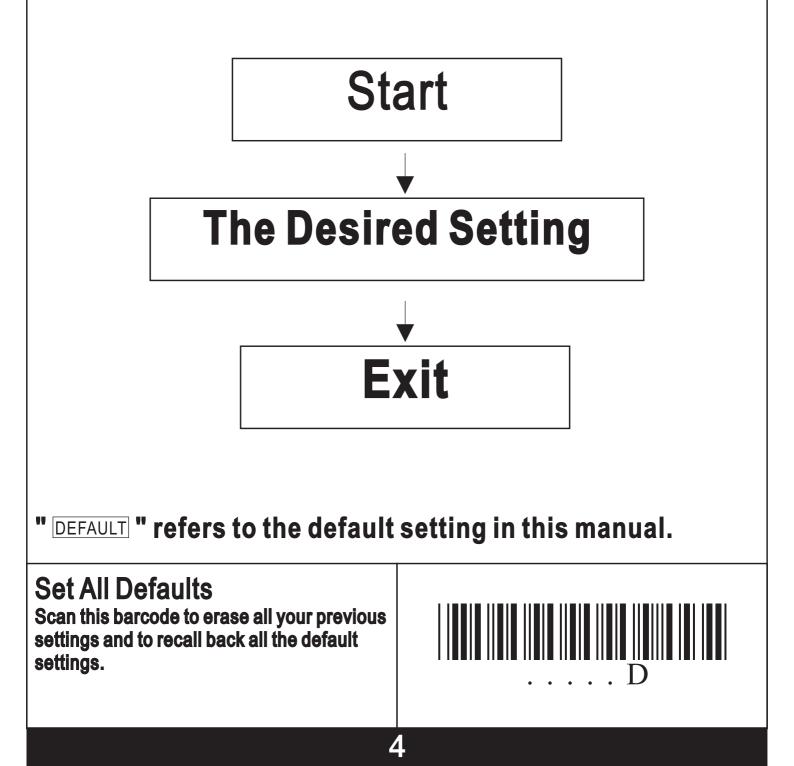
Scan the barcode below to see the version of your scanner decoder.



Setup Flow Chart

Every time you need to change one of the settings, please follow this flow chart. Scan each required barcode to complete the setting change.

When the setting is successfully changed, you will hear one long and one short beep. When the setting change is not successful, you'll hear 3 short beeps to alert. Then, you need to restart it again.





Exit

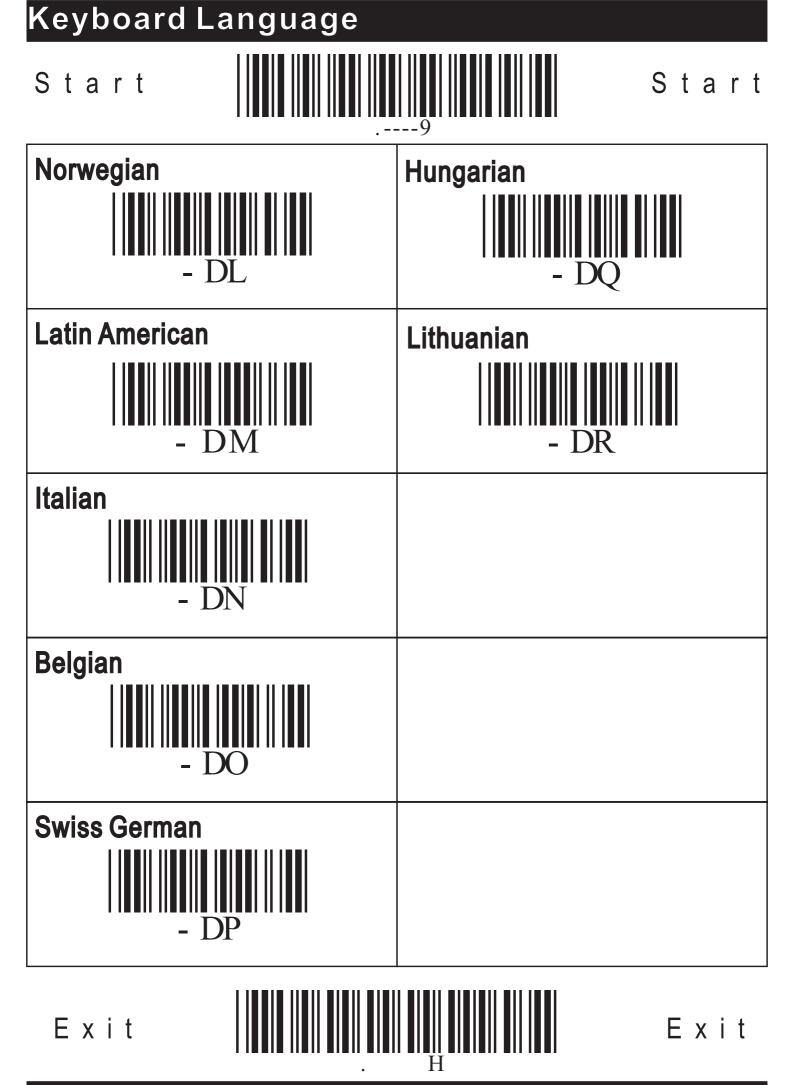
Keyboard Language

Start	Start
Danish	- DG
Icelandic	- DH
Spanish	- DI
Swedish/Finnish	- DJ
Portuguese	- DK

Exit

Exit

Η



Intercharacter Delay for Keyboard Wedge

Start



Start

There are 10 options of intercharacter delay and intermessage delay. Use Appendix 2 to input your choice by scanning Optional Barcodes "00" to "09". The Default is "00".		
Example: How to set intercharacter delay as 200ms? Scan "Start".—Scan option * here.—Scan Optional Barcodes "09" in Appendix 2.—Scan "Exit".		
★ Set Intercharacter delay Option "00" for 50µs; "01" for 1ms; "02" for 5ms; "03" for 10ms; "04" for 20ms; "05" for 30ms; "06" for 40ms; "07" for 50ms;	- AA	
 Set Intermessage delay Option "00" for 500µs; "01" for 1ms; "02" for 1.5m; "03" for 2ms; "04" for 2.5ms; "05" for 3ms; "06" for 3.5ms; "07" for 4ms; 	- AB	
⊙ Reserved	- AC	
Exit Exit		

Keyboard Shift, Alt, Ctrl Key Disabled			
Start Start Start			
This scanner ignores keyboard's Alt, Shift, Ctrl key to function unless you change setting to option + here to enable.			
★ Disable Shift, Alt, Ctrl to work DEFAULT	- BK		
Enable Shift, Alt, Ctrl key to work as normal	– BL		
Numeric Keypad Select (No-use) DEFAULT	- BM		
 Numeric Keypad Select (Use) 	- BN		
Exit Exit			

Keyboard Function-key Data Unread			
Start Start Start			
If your data contains function-key such as F1, F2 in the keyboard, this scanner will ignore it to read. Please choose option + here. Then, such kind of data can be read.			
★ Disable function-key data to read DEFAULT - BI			
Enable function-key data to read	- BJ		
Exit IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIEEEEEEEE			

RS232 Baud Rate Start Start ★9600 DEFAULT **-** I F ***600** - I B 1200 - I C 2400 4800 **-** I E

Exit

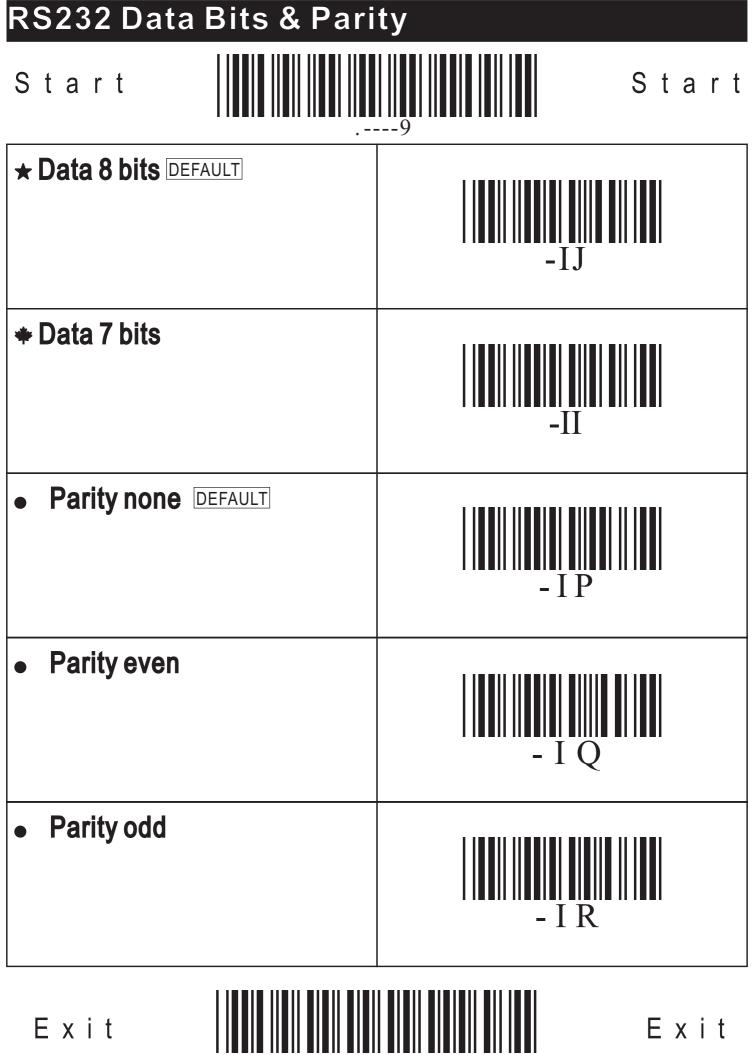
Exit

RS232 Baud Rate Start Start 19200 G \odot Reserved 1 ΙH \odot Reserved 2

○ Reserved 3
 ○ Reserved 4
 ○ Reserved 4
 - I M

12

Exit



Scanning Mode

Start	Start
★ Normal scan DEFAULT You press the button to turn on laser to scan for a good read. Laser turn off when you release the button or automatically off when a good read.	- FB
Laser-always-on scan Laser keeps on, but you need to press the button to get a read. Laser will auto-turn off if no good read in 2 minutes.	- FE
• Normal scan with auto-off The same as normal scan. Moreover, laser will auto-turn off if no good read in 3 seconds.	- FC
• Testing scan This is for testing. You press the button to activate laser. When you stay on the button, laser will keep reading until you release the button.	- FA
• Continuous testing scan This is for testing. Once you press the button to turn on laser, laser will auto-continuously read. Press the button again to turn laser off.	- FG
Exit	Exit

Η

Scanning Mode

Start



Start

• Continuous scan 1 Once you press the button to activate laser, it will auto-continuously read the next <u>different</u> barcode. Press the button once to turn laser off.

Continous scan 2

Once you press the button to activate laser, it will auto-continuously read at the set interval.

Press the button again to turn laser off. Or, laser will auto-turn off if no good in 180 seconds.





There are 9 options of interval to set. The default is for 0.4 seconds. Use Appendix 2 to input your choice by scanning "01" to "09".

Optional Barcode "01" is for interval 0.2 seconds, "02" for 0.4 seconds...,and "09" for 1.8 seconds.

Example: Set interval as 1.8 seconds.

Scan "Start"—Scan Option • here—Scan "0" and then "9" in Appendix 2—Scan "Exit".

ALSO,

There are 9 options to set time for auto-off. The default is for 180 seconds. Laser will trun off if no good read in 180 seconds.

Set time for auto-off

"01" is no auto-off. "02" is for 30 secs. "03" is for 60 secs. "04" is 120 secs. "05" is for 180 secs. "06" is 5 mins. "07" is 10 mins. "08" is 20 mins. "09" is 30 mins.



Exit



Read Redundancy

9		
★ No redundancy DEFAULT	- BA	
Two times redundancy Data will be decoded 2 times before it is transmitted to reduce the probability of reading errors.	- BB	
• Three times redundancy Data will be decoded 3 times before it is transmitted to reduce the probability of reading errors.	- BC	
• Four times redundancy Data will be decoded 4 times before it is transmitted to reduce the probability of reading errors.	- BD	
⊙ Reserved	- BE	

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Н

Exit

Start

Start

Buzzer Tone Start Start ★ Buzzer tone high & duration long DEFAULT Disable buzzer Buzzer tone high & duration shortest Buzzer tone high & duration short **Buzzer tone medium &** duration shortest

17

Exit

Buzzer Tone

Start	Start	
Buzzer tone medium & duration short	- XF	
 Buzzer tone medium & duration long 	- XG	
 Buzzer tone low & duration short 	- XH	
 Buzzer tone low & duration long 	- XI	
Enable power-up tone DEFAULT	- UE	
Exit Exit Exit		

Buzzer Tone Start Start Disable power-up tone \odot Reserved 1 \odot Reserved 2 - XK \odot Reserved 3 XI \odot Reserved 4

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Exit

Quiet Zone

Start



Start

	9
★ Select normal quiet zone	- BF
* Select small quiet zone	- BE
Select large quiet zone 1	- BG
Select large quiet zone 2	- BH

20

Exit

String Structure

Start



The structure of scanned data can be programmed. You can add prefix, code ID, suffix or change the terminator as your options. If you need all these options, each scan of data will be transmitted in the following arrangement.

Prefix	Code ID	Scanned Data	Suffix	String Terminator

Exit

Prefix/Suffix

Start



Exit

You can input up-to 10 characters as the prefix or suffix of data. Check Appendix 1 for your input character(s). Then, scan the **Optional Barcodes in Appendix 2 to input.**

Example: Set "AB" as the prefix. Scan "Start"→Scan "★ Prefix" in this page → Check Appendix 1 \rightarrow Scan "4", "1" and "4", "2" in Appendix 2 \rightarrow Scan "Exit".



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Prefix/Suffix

Start

Start

9		
Clear suffix	- HB	
⊙ Reserved 1	- GC	
⊙ Reserved 2	- GD	
⊙ Reserved 3	- GE	
⊙ Reserved 4	- GF	
Exit	Exit	

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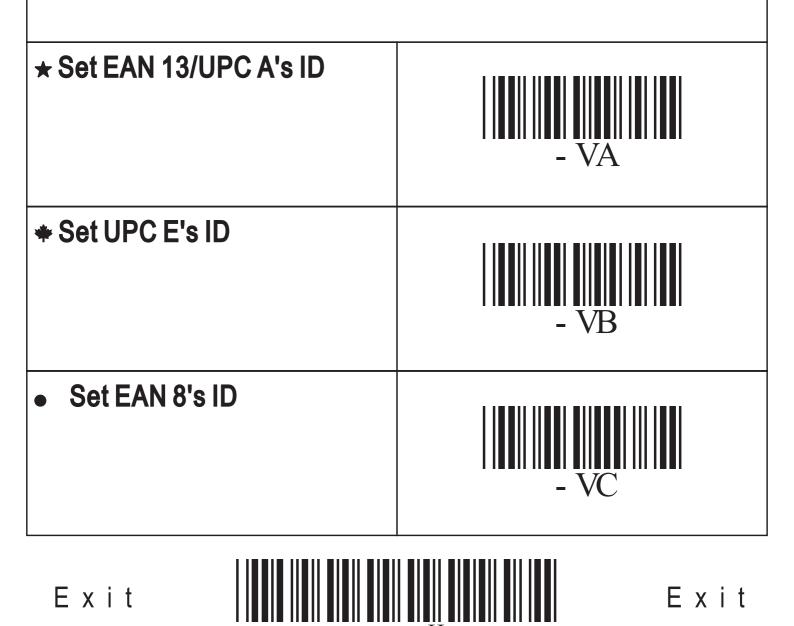
Code ID

Start



You can place 1 character in front of the certain code type as its ID. Check Appendix 1 for your input character. Then, scan the Optional Barcodes in Appendix 2 to input. As a result, you can easily tell from different code types by their code IDs.

Example: Set EAN 8's ID as "1". Scan "Start " \rightarrow Scan Option "• EAN 8 ". \rightarrow Check Appendix 1 \rightarrow Scan" 3" and then "1" in Appendix 2. \rightarrow Scan "Exit".



Code ID

Start

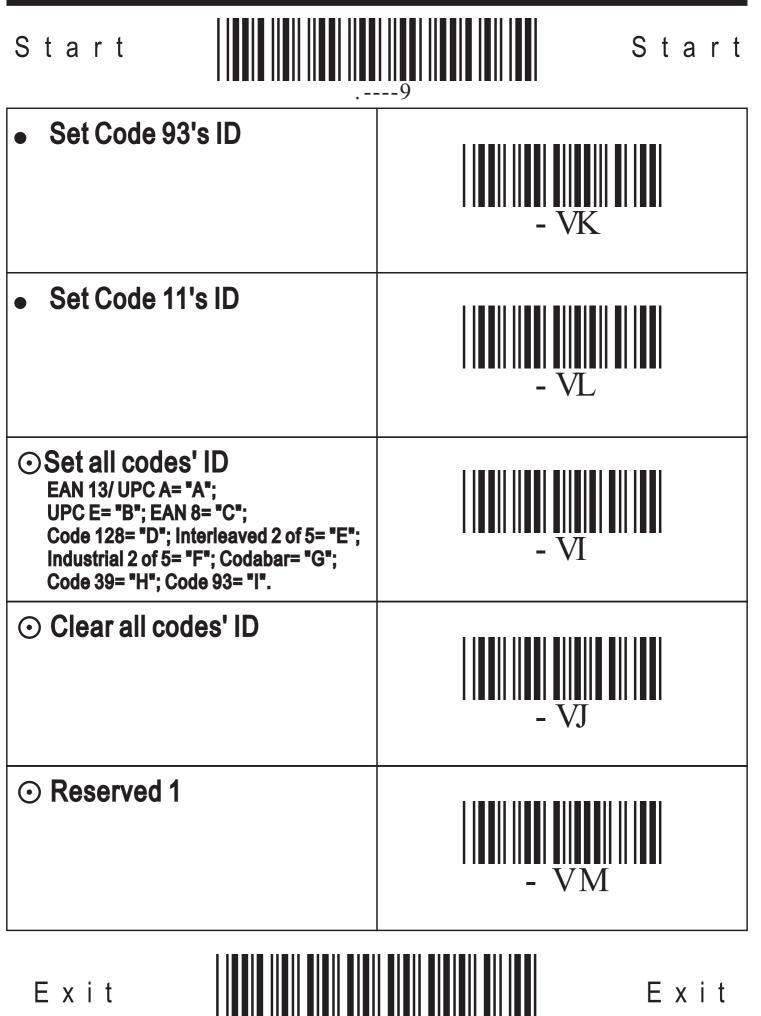


Start

	9
Set Code 128's ID	- VD
Set Interleaved 2 of 5's ID	- VE
Set Industrial 2 of 5's ID	- VF
Set Codabar's ID	- VG
Set Code 39's ID	- VH
Exit Exit	

Η

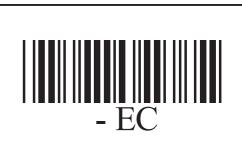
Code ID



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String Terminator	
Start Start	
 ★ Select CR as terminator: DEFAULT "CR, Carriage Return" will be transmitted at the very end of every string to separate from the next one. 	- EB
Select no terminator Nothing will be transmitted at the very end of the string to separate from the next one.	- EA
• Select Tab as terminator "Tab" will be transmitted at the very end of every string to separate from the next one.	- ED
• Select Esc as terminator "Esc" will be transmitted at the very end of every string to separate from the next one.	

Select Space as terminator "Space" will be transmitted at the very end of every string to separate from the next one.

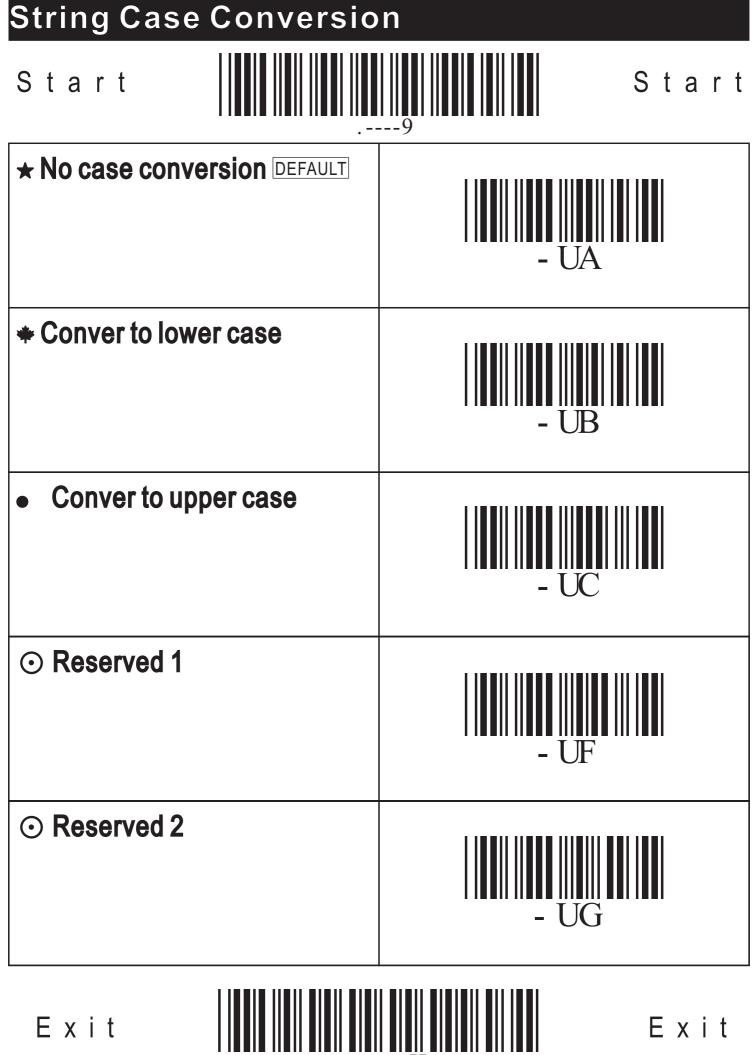


- EE

Н

27

Exit



Exit

Symbology EAN/JAN 13		
Start Start Start		
	- QB	
◆ Disable	- QA	
Enable check character transmission DEFAULT	- QF	
 Disable check character transmission 	- QE	
Enable leading digit transmission DEFAULT	- QG	
Exit Exit		
29		

Symbology EAN/JAN 13 Start Start **Disable leading digit** transmission - QH Select EAN/JAN 13 without supplement digit DEFAULT QK Select EAN/JAN 13 with 2 or 5 supplement digits - QN Select EAN/JAN 13 with only 5 supplement digits QM Select EAN/JAN 13 with only 2 supplement digits - QL

30

ISBN Start Start ★ Disable EAN13 to ISBN conversion DEFAULT QO Enable EAN 13 to ISBN conversion QP

Exit



Symbology EAN/JAN 8 Start Start ★ Enable DEFAULT - SB Disable **Enable check character** - SF transmission DEFAULT **Disable check character** transmission - SE **Select EAN/JAN 8** without supplement digit DEFAULT - SK

32

Exit

Symbology EAN/JAN 8		
Start Start Start		
 Select EAN/JAN 8 with 2 or 5 supplement digits 	- SN	
 Select EAN/JAN 8 with only 5 supplement digits 	- S M	
 Select EAN/JAN 8 with only 2 supplement digits 	- SL	
Diable EAN 8 expansion DEFAULT	- SG	
• Enable EAN 8 expansion Five zeros will be transmitted in front of the scanned EAN 8 data to expand as EAN 13.	- SH	
Exit IIIIIIIIIIIIIIIIIIIIIIIIIIIIEEEEEEEEEE		

33

Symbology UPC A Start Start ★ Enable DEFAULT - RB Disable **Enable check character** transmission DEFAULT **Disable check character** transmission - RF **Enable leading digit** transmission DEFAULT - RG

Exit

Exit

Symbology UPC A

Start Start Start		
 Disable leading digit transmission 	- RH	
Select UPC A without supplement digit DEFAULT	- RK	
 Select UPC A with 2 or 5 supplement digits 	- RN	
 Select UPC A with only 5 supplement digits 	- RM	
 Select UPC A with only 2 supplement digits 	- RL	
Exit HEXIT		

Η

35

Symbology UPC E



Start

	9
★ Enable DEFAULT	- TB
* Disable	- TA
Enable check character transmission DEFAULT	- TF
Disable check character transmission	- TE
Select UPC E without supplement digit DEFAULT	- TK
Exit Exit	

Η

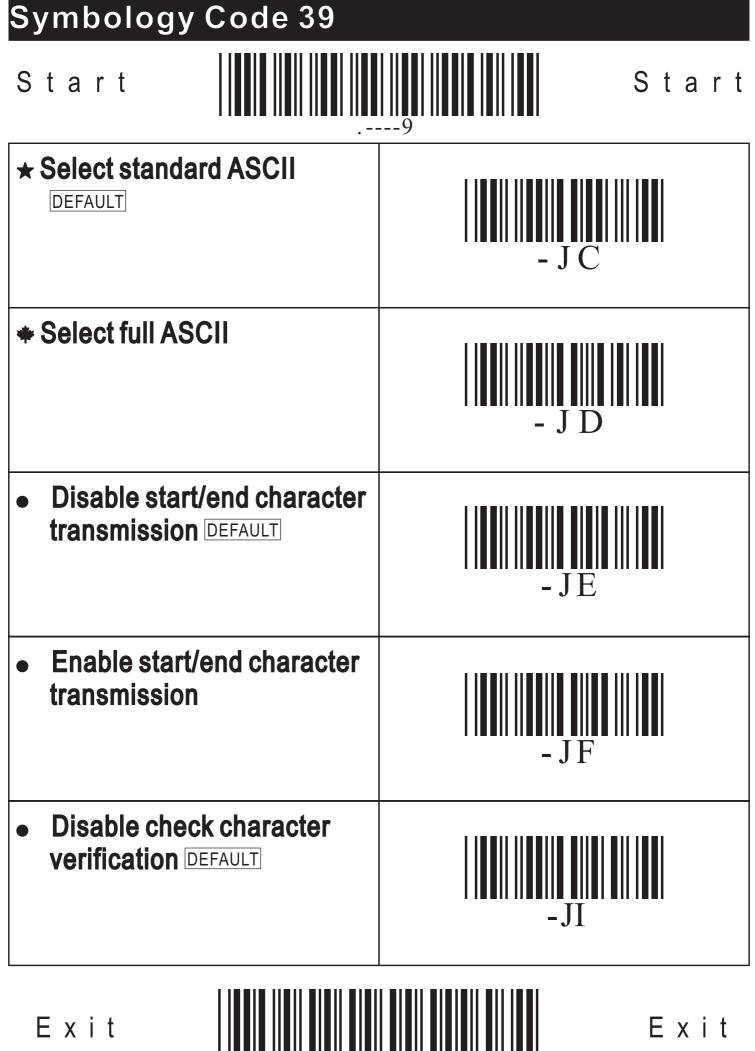
36

Symbology UPC E

Exit

Start Start Start		
 Select UPC E with 2 or 5 supplement digits 	- TN	
 Select UPC E with only 5 supplement digits 	- TM	
 Select UPC E with only 2 supplement digits 	- TL	
Disable UPC E expansion DEFAULT	- TG	
• Enable UPC E expansion Five Zeros will be transmitted in front of the scanned UPC E data to expand as UPC A.	- TH	

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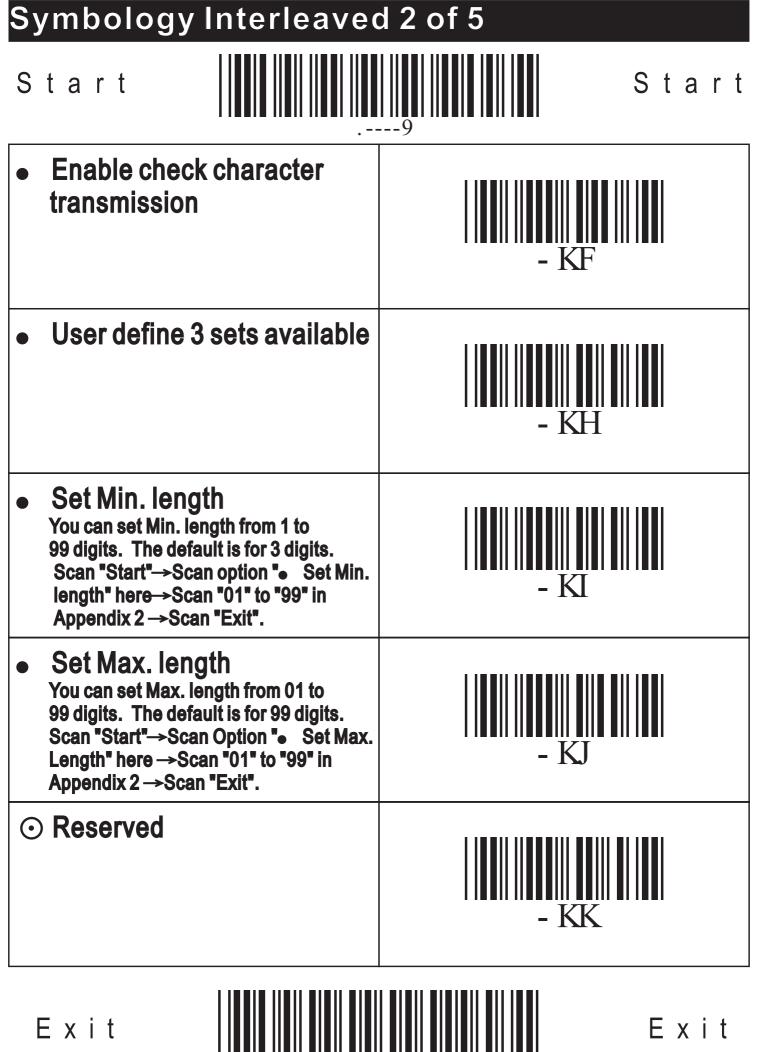
Exit

Symbology Code 39

Start Start Start		
Enable check character verification	– JJ	
Disable check character transmission DEFAULT	- J G	
 Enable check character transmission 	– J H	
 Set Min. length You can set Min. length from 1 to 99 digits. The default is for 3 digits. Scan "Start"→Scan option " Set Min. length" here→Scan "01" to "99" in Appendix 2→Scan "Exit". 	- J K	
 Set Max. length You can set Max. length from 1 to 99 digits. The default is for 99 digits. Scan "Start"→Scan Option " Set Max. Length" here→Scan "01" to "99" in 	– J L	
Exit IIIIIIIIIIIIIIIIIIIIIIIIIEEEEEEEEEEEE		

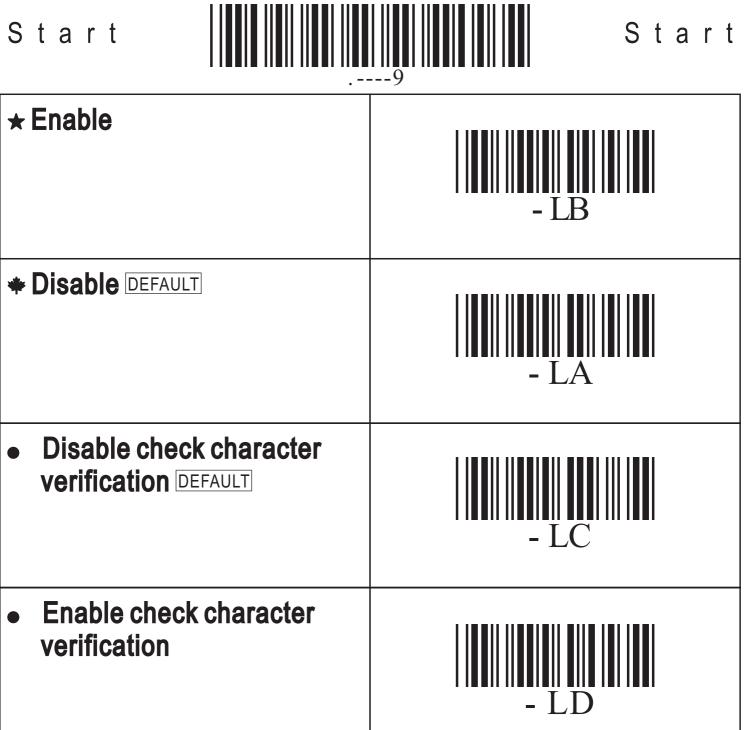
Symbology Interleaved 2 of 5

Start Start Start		
★ Enable	- KA	
* Disable DEFAULT	- KB	
Disable check character verification DEFAULT	- KC	
 Enable check character verification 	- KD	
Disable check checksum transmission DEFAULT	- KE	
Exit IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIEEEEEEE		



Exit

Symbology Industrial 2 of 5

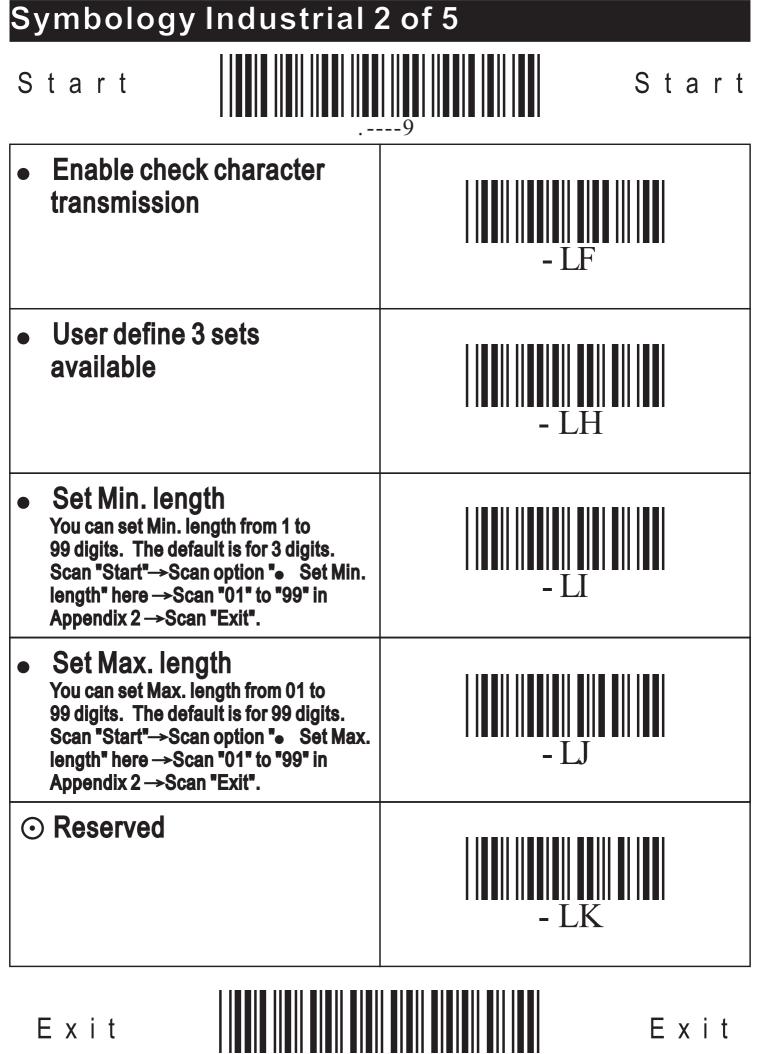


Disable check character
 transmission DEFAULT



Exit

42



Exit

Symbology Code 128

Start

