

## PREAMBLES

## Programming sequence preambles

The scanner can be programmed to output bar code data according to the following format:

[PREAMBLE STRING] [BAR CODE DATA]

The preamble string is limited to a maximum length of 3 characters.

Example:

To send a <STX> in front of the bar code data, scan successively (while in programming mode):

Enter programming mode, page 155.



<STX> (page.177)



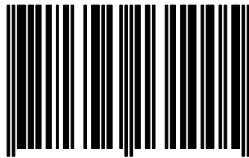
Exit programming mode with update, page 156.

→ [<STX>] [BAR CODE DATA]

**FREE PROGRAMMING PREAMBLES:**  
**Enter programming mode/**  
**Exit programming mode without update**



**FREE PROGRAMMABLE PREAMBLES:**  
Exit programming mode with update



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POSTAMBLES

## Programming sequence postambles

The scanner can be programmed to output bar code data according to the following format:

[BAR CODE DATA] [POSTAMBLE STRING]

The postamble string is limited to a maximum length of 3 characters.

Example:

To send a <ETX> after the bar code data, scan successively (while in programming mode):

Enter programming mode, page 165.



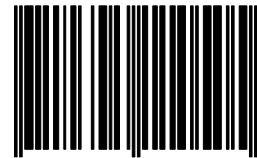
<ETX> (page. 178)



Exit programming mode with update, 166.

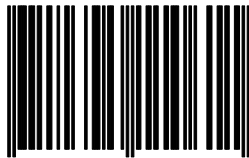
→ [BAR CODE DATA] [<ETX>]

**PREDEFINED POSTAMBLE = CR**



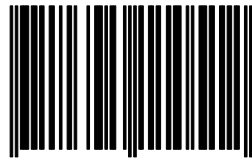
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**PREDEFINED POSTAMBLE = LF**



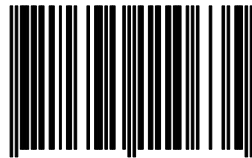
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**PREDEFINED POSTAMBLE = CR + LF**



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**POSTAMBLE = FREE FORMAT**



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**FREE PORGRAMMABLE POSTAMBLES:**

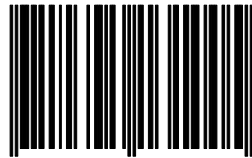
**Enter programming mode/**

**Exit programming mode without update**



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**FREE PROGRAMMABLE POSTAMBLES:**  
Exit programming mode with update



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**CODE IDENTIFIERS**

### Set message format with code identifiers

A code identifier is a data string, giving information to the host system concerning the bar code type that has been read. After scanning the code, “Set message format with code identifiers”, page , the scanner is programmed to transmit data according to the following format:

CODE	CODE IDENTIFIER	MESSAGE FORMAT
EAN 13	F	D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13
EAN 8	FF	D1 D2 D3 D4 D5 D6 D7 D8
UPCA	A	D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12
UPCE	E	0 D1 D2 D3 D4 D5 D6
CODE 128	#	D1 - Dx
EAN 128	P	] C1 D1 - Dx
Code 39	*	D1 - Dx
Code 32	*	D1 - Dx
Codabar	%	D1 - Dx
Interleaved 2/ 5	i	D1 - Dx

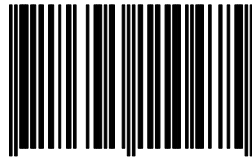
Please note that the UPCE format will be changed.

The scanner will transmit UPCE codes with leading zero and without check digit.

To return to the default format without code identifier, scan the code, “Set message format without code identifiers”, page 172.

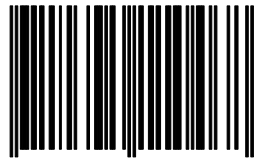
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## **SET MESSAGE FORMAT WITH CODE IDENTIFIERS**



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## SET MESSAGE FORMAT WITHOUT CODE IDENTIFIERS

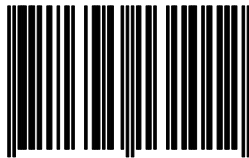


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APPENDIX

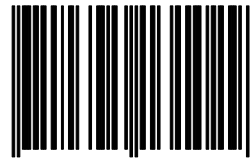
## PREDEFINED ASCII CHARACTERS

**SOH**



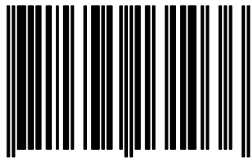
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**STX**



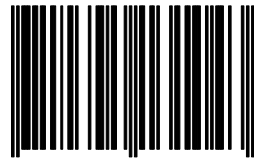
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**ETX**



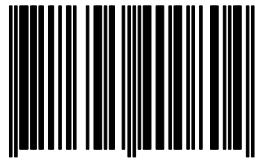
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**EOT**



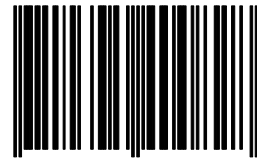
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**TAB (KBW ONLY)**



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**ENTER (NUMERIC) (KBW ONLY)**



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