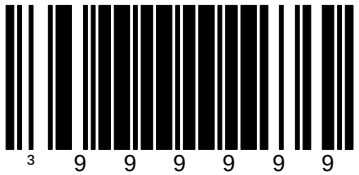
MetroSelect Programming Guide

MLPN 2407/December 1998

ENTER/EXIT PROGRAM MODE



RECALL DEFAULTS

Introduction

The scanner is shipped from the factory programmed to a set of default conditions noted in this guide by an asterisk that appears before the brief definition. Since each host system is unique, configure the scanner to match the specific host system requirements.

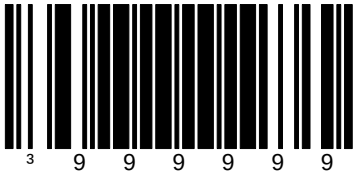
1. Connect the scanner to the host system. (Refer to the Installation and User's Guide)

2. Enter the program mode by scanning the ENTER/EXIT program mode bar code.

3. Scan the appropriate the bar code(s) that appear in this guide. (Reveal only one bar code to the scanner each time.)

4. Exit the program mode by scanning the ENTER/EXIT bar code again.

ENTER/EXIT PROGRAM MODE



RECALL DEFAULTS

If the original factory settings are needed during the programming of the scanner, scan the RECALL DEFAULTS bar code. Any settings selected during that session or any previous session will be lost. **This will return the scanner to the RS-232 communication protocol.**

For other communications, activate the protocol, i.e., OCIA, Keyboard Wedge, IBM. Then change all necessary parameters for the protocol. Verify that the scanner hardware is equipped/configured for the appropriate interface.

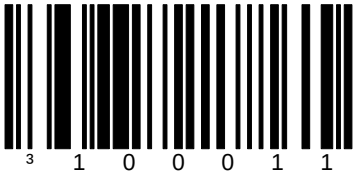
Single-code programming mode: A single configuration bar code may be scanned at anytime and the change in the configuration will be stored in memory.

Section A

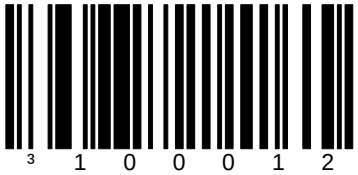
Code Types and Lengths

E/D = Enable/Disable

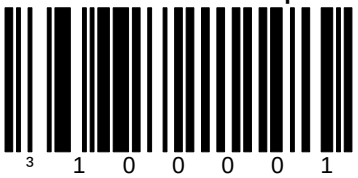
Enable Double Border Required



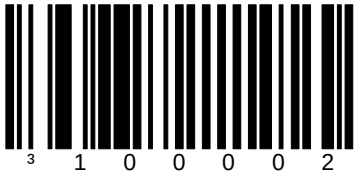
Enable Dual Field Codabar



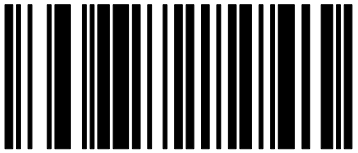
***Disable Double Border Required**



***Disable Dual Field Codabar**

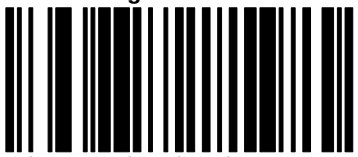


Enable Code 11



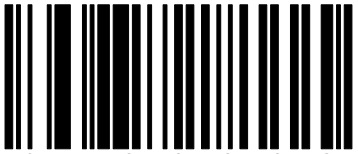
When this option is enabled, the scanner will scan Code 11 bar codes.

Enable 15 Digit Airline 2 0f 5



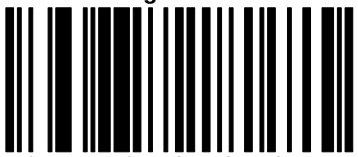
When this option is enabled, the scanner will scan Airline 2 of 5 bar codes.

***Disable Code 11**



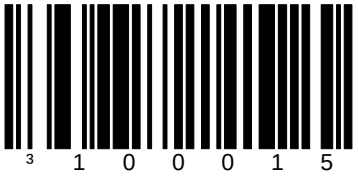
When this option is disabled, the scanner will not scan Code 11 bar codes.

***Disable 15 Digit Airline 2 0f 5**



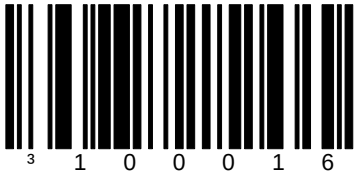
When this option is disabled, the scanner will not scan Airline 2 of 5 bar codes.

Enable Matrix 2 of 5



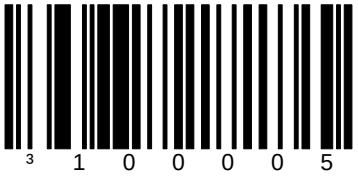
When this option is enabled, the scanner will scan Matrix 2 of 5 bar codes

Enable ALPHA Telepen



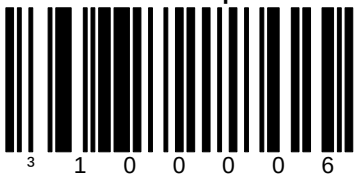
When this option is enabled, the scanner will scan ALPHA Telepen bar codes.

***Disable Matrix 2 of 5**



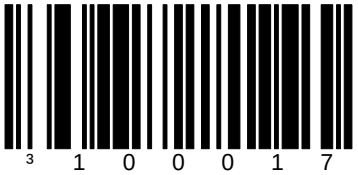
When this option is disabled, the scanner will not scan Matrix 2 of 5 bar codes.

***Disable ALPHA Telepen**



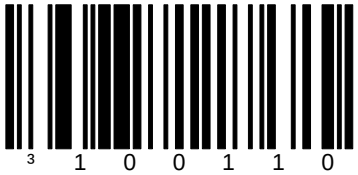
When this option is disabled, the scanner will not scan ALPHA Telepen bar codes.

Enable Telepen

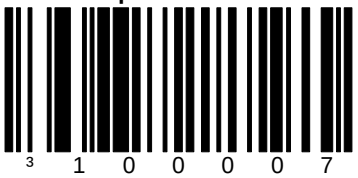


When this option is enabled, the scanner will scan Telepen bar codes.

Enable Standard 2 of 5

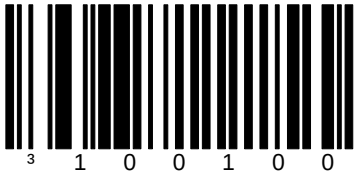


***Disable Telepen**

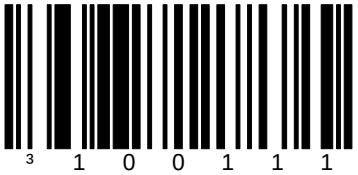


When this option is disabled, the scanner will not scan Telepen bar codes.

***Disable Standard 2 of 5**

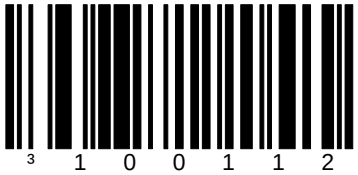


***Enable Code 39**



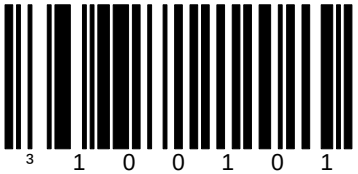
When this option is enabled, the scanner will scan Code 39 bar codes.

***Enable Code 93**



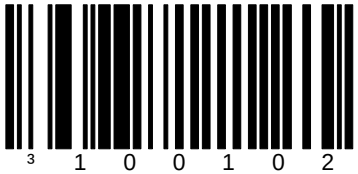
When this option is enabled, the scanner will scan Code 93 bar codes.

Disable Code 39



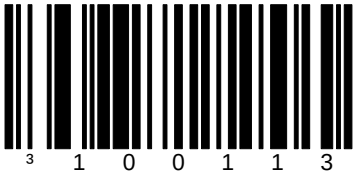
When this option is disabled, the scanner will not scan Code 39 bar codes.

Disable Code 93



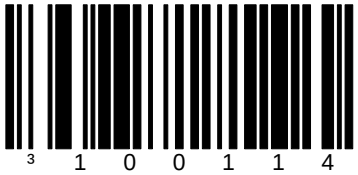
When this option is disabled, the scanner will not scan Code 93 bar codes.

***Enable Code 128**



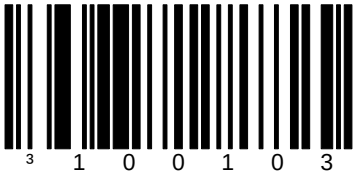
When this option is enabled, the scanner will scan Code 128 bar codes.

***Enable Codabar**



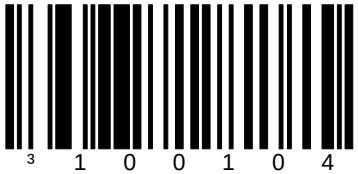
When this option is enabled, the scanner will scan Codabar bar codes.

Disable Code 128



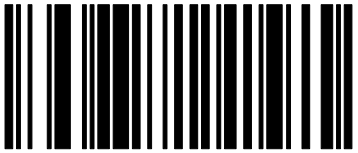
When this option is disabled, the scanner will not scan Code 128 bar codes.

Disable Codabar



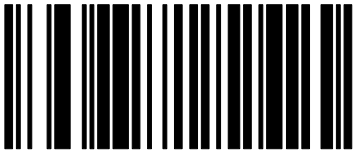
When this option is disabled, the scanner will not scan Codabar bar codes.

***Enable Interleaved 2 of 5 (ITF)**



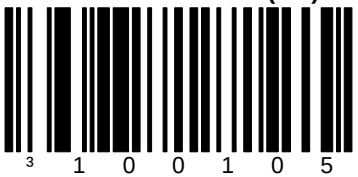
When this option is enabled, the scanner will scan Interleaved 2 of 5 (ITF) bar codes.

***Enable UPC/EAN**



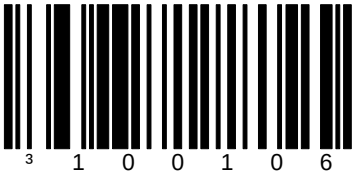
When this option is enabled, the scanner will scan UPC/EAN bar codes.

Disable Interleaved 2 of 5 (ITF)



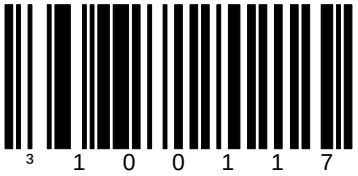
When this option is disabled, the scanner will not scan Interleaved 2 of 5 (ITF) bar codes.

Disable UPC/EAN



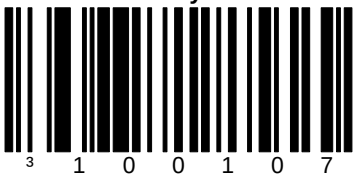
When this option is disabled, the scanner will not scan UPC/EAN bar codes.

Enable UK Plessey



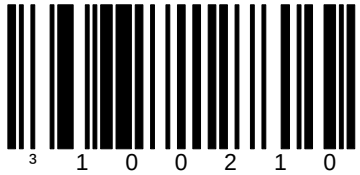
When this option is enabled, the scanner will scan UK Plessey bar codes.

***Disable UK Plessey**



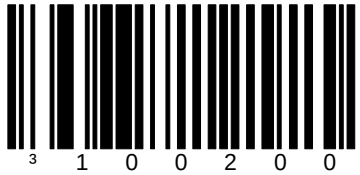
When this option is disabled, the scanner will not scan UK Plessey bar codes.

***Enable UPC-E**



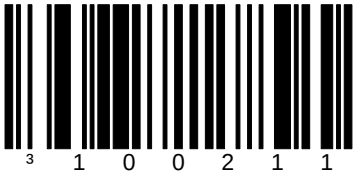
When this option is enabled, the scanner will scan UPC-E bar codes.

Disable UPC-E



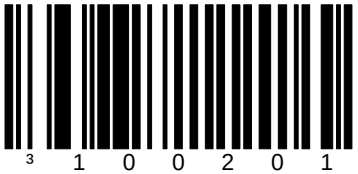
When this option is chosen, the scanner will not scan UPC-E bar codes.

***Enable EAN-13**



When this option is enabled, the scanner will scan EAN-13 bar codes.

Disable EAN-13

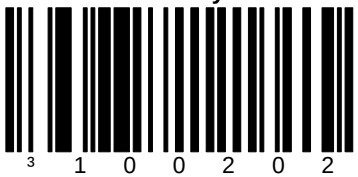


When this option is chosen, the scanner will not scan EAN-13 bar codes.

Enable MSI Plessey

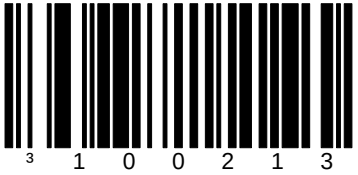
When this option is enabled, the scanner will scan MSI Plessey bar codes.

***Disable MSI Plessey**



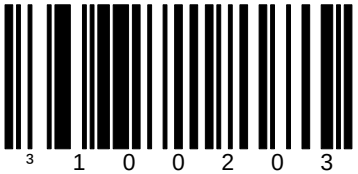
When this option is disabled, the scanner will not scan MSI Plessey bar codes.

Enable MOD 43 Check on Code 39



When this option is enabled, the scanner will scan Code 39 bar codes that have a Modulo 43 check digit.

***Disable MOD 43 Check on Code 39**

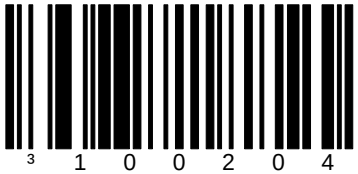


When this option is disabled, the scanner will not scan Code 39 bar codes that have a Modulo 43 check digit.

***Enable EAN-8**

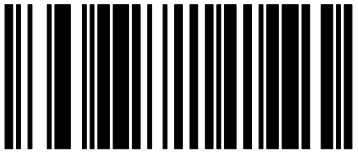
When this option is enabled, the scanner will scan EAN-8 bar codes.

Disable EAN-8



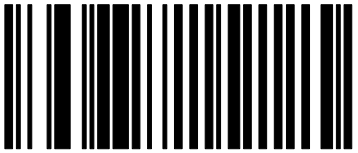
When this option is chosen, the scanner will not scan EAN-8 bar codes.

Enable PARAF Support



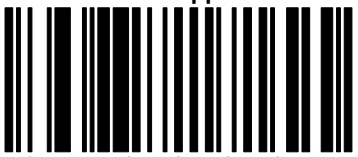
When this option is enabled, the scanner will convert Code 39 bar codes to paraf format.

***Enable UPC-A**



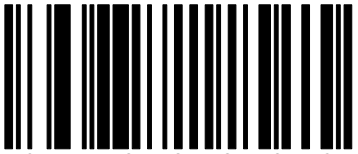
When this options enabled, the scanner will scan UPC-A bar codes.

***Disable PARAF Support**



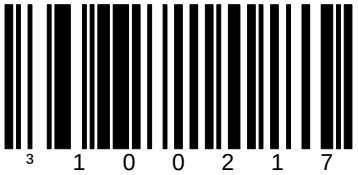
When this option is disabled, the scanner will not convert Code 39 bar codes to paraf format.

Disable UPC-A



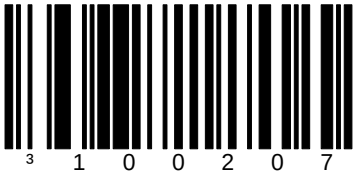
When this option is chosen, the scanner will not scan UPC-A bar codes.

Enable Full ASCII Code 39



When this option is enabled, the scanner will scan Full ASCII Code 39 bar codes.

***Disable Full ASCII Code 39**

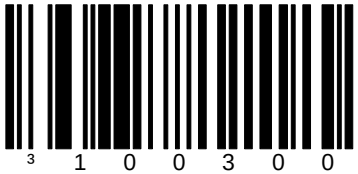


When this option is disabled, the scanner will not scan Full ASCII Code 39 bar codes.

Enable MOD 10 Check on ITF

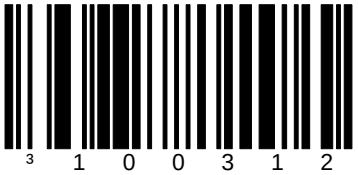
When this option is enabled, the scanner will scan Interleaved 2 of 5 (ITF) bar codes that have a Modulo 10 check digit.

***Disable MOD 10 Check on ITF**

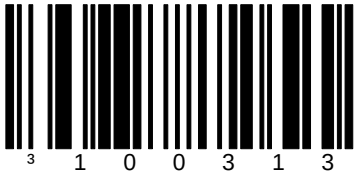


When this option is disabled, the scanner will not scan ITF bar codes that have a Modulo 10 check digit.

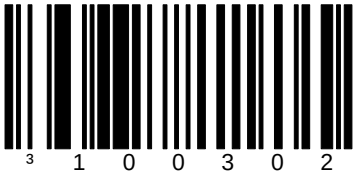
Enable TRI-OPTIC Code



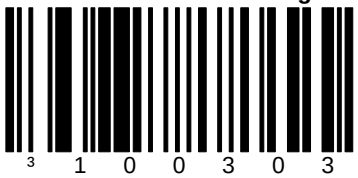
Enable Airline 2 of 5 13 Digit



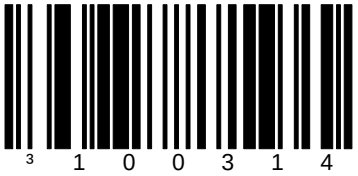
***Disable TRI-OPTIC Code**



***Disable Airline 2 of 5 13 Digit**

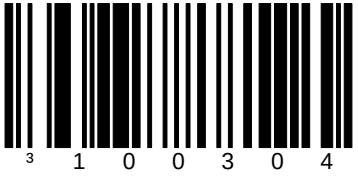


Enable EAN-128] C1 Conversion

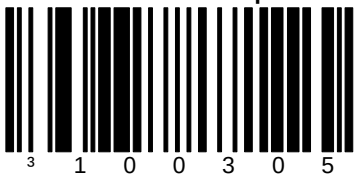


Enable Code 128 Coupon

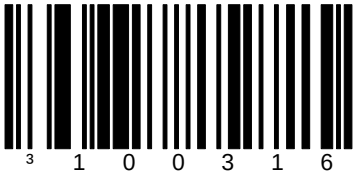
***Disable EAN-128] C1 Conversion**



***Disable Code 128 Coupon**

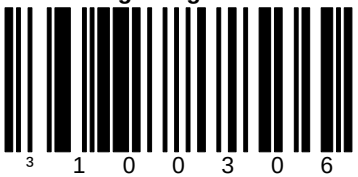


Enable Hong Kong 2 of 5



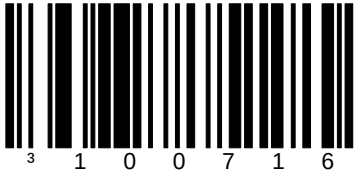
When this option is enabled, the scanner will scan Hong Kong 2 of 5 bar codes.

***Disable Hong Kong 2 of 5**

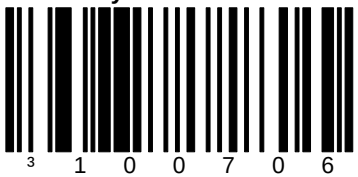


When this option is disabled, the scanner will not scan Hong Kong 2 of 5 bar codes.

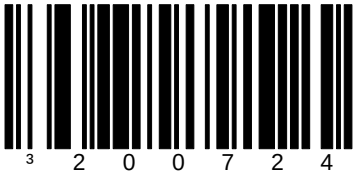
UK Plessey A to X Convert Enabled



***UK Plessey A to X Convert Disabled**



***Enable MSI Plessey MOD 10 Check Digit**

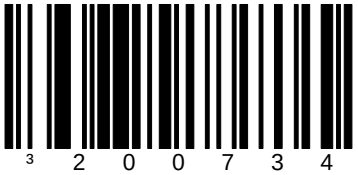


When this option is enabled, the scanner will scan MSI Plessey bar codes that have a single Modulo 10 check digit.

***No MSI Plessey Check Digit**

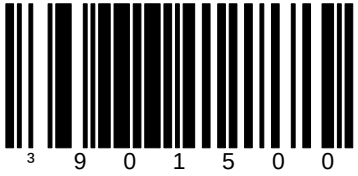
When this option is chosen, the scanner will not scan MSI Plessey bar codes that have a single or double Modulo 10 check digit.

Enable MSI Plessey MOD 10/10 Check Digit



When this option is enabled, the scanner will scan MSI Plessey bar codes that have a double Modulo 10 check digit.

Standard 2 of 5 Symbol Length Lock



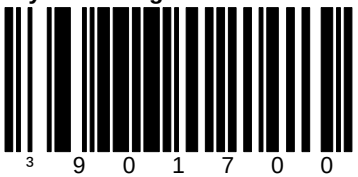
ITF Symbol Length Lock 1

To specify the number of ITF (Interleaved 2 of 5) digits in the bar codes that will be scanned, scan the above bar code and the appropriate Code Byte bar codes. **SEE SECTION M FOR CODE BYTES**

ITF Minimum Symbol Length

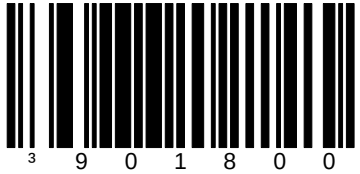
To specify the minimum number ITF digits in the bar codes that will be scanned, scan the above bar code and the appropriate Code Byte bar codes.

ITF Symbol Length Lock 2



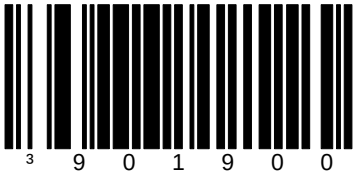
To specify a second number, scan the above bar code and the appropriate Code Byte bar codes. Only scan the above bar code when a second ITF number needs to be specified.

Minimum Symbol Length



To specify the minimum number of characters in the bar codes that will be scanned, scan the above bar code and the appropriate Code Byte bar codes.

Symbol Length Lock



When the scanner will always scan bar codes that are the same length, the length of the bar code can be locked into place by scanning the above bar code and the appropriate Code Byte bar codes. **SEE SECTION M FOR CODE BYTES**

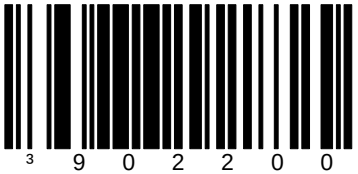
PROGRAMMABLE CODE LENGTHS:

There are up to seven user selectable bar code lock lengths available. If desired, a specific code type can be assigned to a lock length. Start with Lock Length 1 and then go to 2 and 3 etc. While in "Program Mode", scan the Lock Length position and then 3 code byte codes in section M that represent the desired code length. Refer to section M for the code type tables and configure the code types the same way.

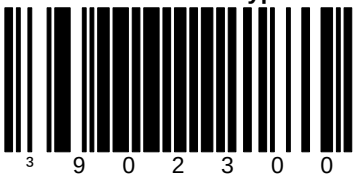
Code Lock #1: Length

Code Lock #1: Code Type

Code Lock #2: Length



Code Lock #2: Code Type



Code Lock #3: Length

Code Lock #4: Length

Code Lock #3: Code Type

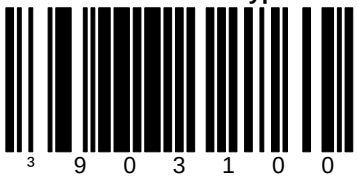
Code Lock #4: Code Type

Code Lock #5: Length

Code Lock #6: Length

Code Lock #5: Code Type

Code Lock #6: Code Type



Code Lock #7: Length

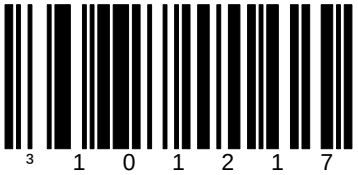
Code Lock #7: Code Type

Section B

Supplements

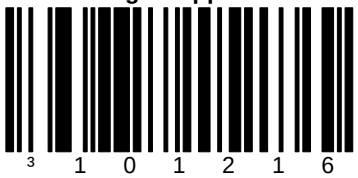
E/D = Enable/Disable

Enable Two Digit Supplements



When this option is enabled, the scanner will scan 2 digit supplementals.

Enable Five Digit Supplements

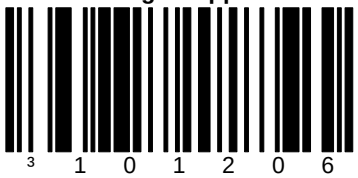


When this option is enabled, the scanner will scan 5 digit supplementals.

***Disable Two Digit Supplements**

When this option is chosen, the scanner will not scan 2 digit supplementals.

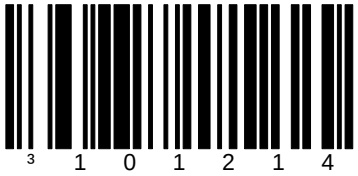
***Disable Five Digit Supplements**



When this option is chosen, the scanner will not scan 5 digit supplementals.

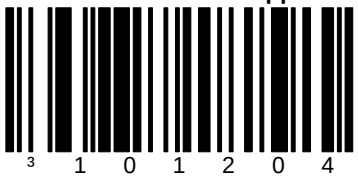
Enable #System 5 Requires Supps

Enable Code ID’s with Supplements

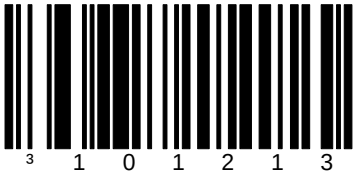


***Disable #System 5 Requires Supps**

***Disable Code ID’s with Supplements**

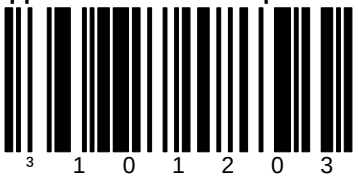


Supplements are Required



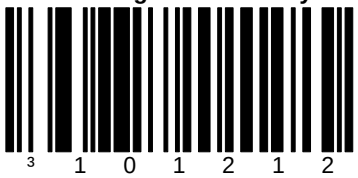
When this option is chosen, all UPC/EAN labels that are scanned must have a supplement.

***Supplements are not Required**



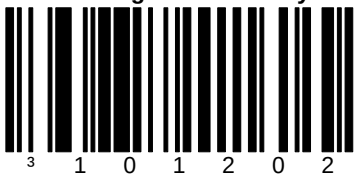
When this option is chosen, all UPC/EAN labels that are scanned do not require a supplement.

***Enable Two Digit Redundancy**



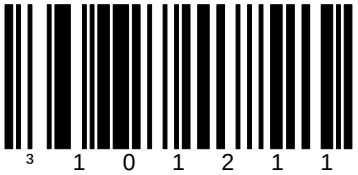
When this option is enabled, the scanner will scan the bar code plus the 2 digit add on twice before accepting the data as valid information.

Disable Two Digit Redundancy



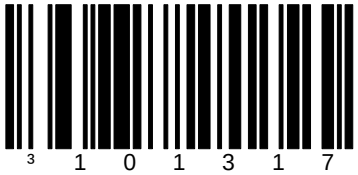
When this option is chosen, the scanner will not implement the two digit redundancy feature.

Enable Five Digit Redundancy



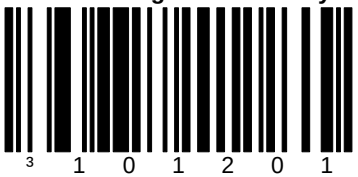
When this option is enabled, the scanner will scan the bar code plus the 5 digit add on twice before accepting the data as valid information.

Enable Bookland to ISBN Conversion



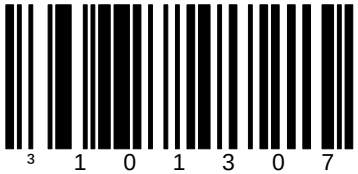
(Not available with all models)

***Disable Five Digit Redundancy**

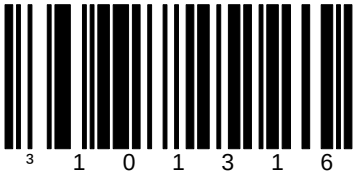


When this option is chosen, the scanner will not implement the five digit redundancy feature.

***Disable Bookland to ISBN Conversion**

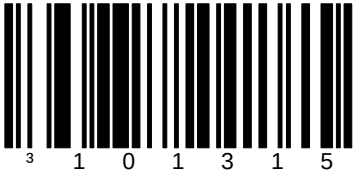


Enable ISBN Formatting



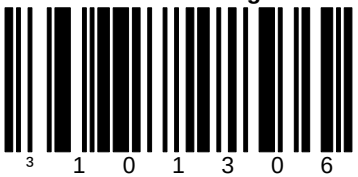
(Not available with all models)

Enable ISBN Check Digit Transmission

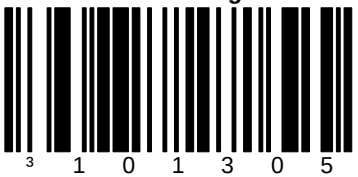


(Not available with all models)

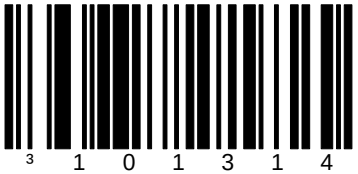
***Disable ISBN Formatting**



***Disable ISBN Check Digit Transmission**



Enable 977 (2 digit) Supplemental Requirement

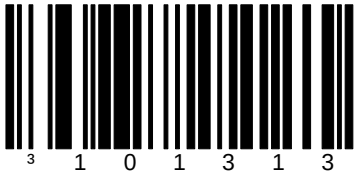


When this option is enabled, the scanner will require that a 2 digit supplement be scanned whenever an EAN-13 code begins with 977.

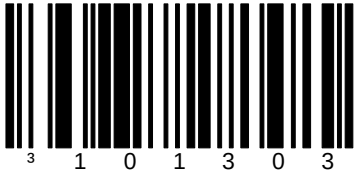
***Disable 977 (2 digit) Supplemental Requirement**

When this option is chosen, the scanner will not require that a 2 digit supplement be scanned whenever an EAN-13 code begins with 977.

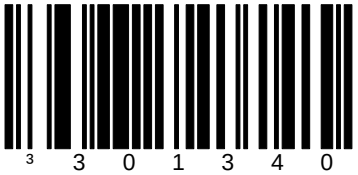
Enable 378/379 French Supplemental Requirement



***Disable 378/379 French Supplemental Requirement**



400 msec to Find Supplemental

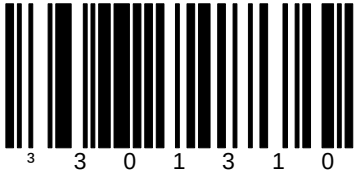


When this option is chosen, the scanner will allot 400 milliseconds to “find” an add on after a main UPC/EAN bar code has been scanned.

200 msec to Find Supplemental

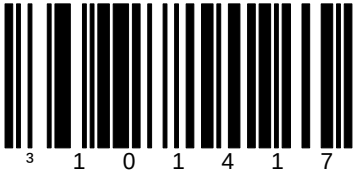
When this option is chosen, the scanner will allot 200 milliseconds to “find” an add on after a main UPC/EAN bar code has been scanned.

***100 msec to Find Supplemental**

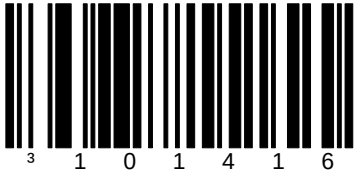


When this option is chosen, the scanner will allot 100 milliseconds to “find” an add on after a main UPC/EAN bar code has been scanned.

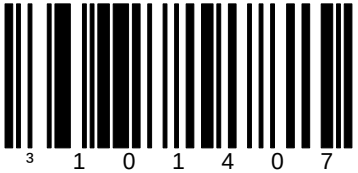
Enable Bookland (978) Supplement Requirement



Enable Remote Supp Requirement

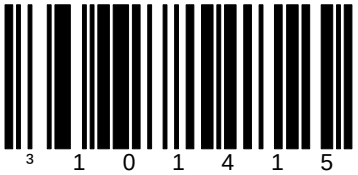


***Disable Bookland (978) Supplement Requirement**



***Disable Remote Supp Requirement**

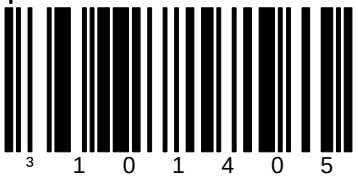
Enable 434/439 German Supplemental Requirement



***Enable Group Separators**

"GS" (1DH) characters will be transmitted with Coupon Code 128 codes.

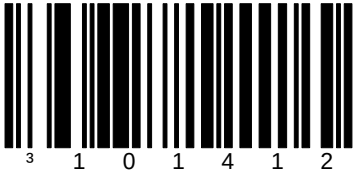
***Disable 434/439 German Supplementa Requirement**



Disable Group Separators

Do Not Transmit "GS" (1DH) characters with Coupon Code 128 codes.

Enable #System 2 Requires Supps

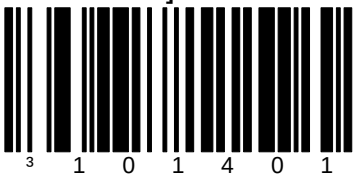


***Enable Code 128] Extended Code Format**

When this option is enabled, the scanner will transmit an]C1 at the beginning of the Code 128 portion of the coupon code.

***Disable #System 2 Requires Supps**

Disable Code 128] Extended Code Format



When this option is disabled, the scanner will not transmit an]C1 at the beginning of the Code 128 portion of the coupon code.

Section C

Prefixes

E/D = Enable/Disable

Programmable Prefix Character #1

When this option is chosen, one programmable prefix ID character can be assigned and added to the scanned data transmission. While in Program Mode, scan this bar code and then turn to section M and scan the 3 byte sequence that represents the desired character.

Programmable Prefix Character #2

When this option is chosen, a second programmable prefix ID character can be assigned and added to the scanned data transmission.

Programmable Prefix Character #3

When this option is chosen, a third programmable prefix ID character can be assigned and added to the scanned data transmission.

Programmable Prefix Character #4

When this option is chosen, a fourth programmable prefix ID character can be assigned and added to the scanned data transmission.

Programmable Prefix Character #5

When this option is chosen, a fifth programmable prefix ID character can be assigned and added to the scanned data transmission.

Programmable Prefix Character #6

When this option is chosen, a sixth programmable prefix ID character can be assigned and added to the scanned data transmission.

Programmable Prefix Character #7

When this option is chosen, a seventh programm -able prefix ID character can be assigned and added to the scanned data transmission.

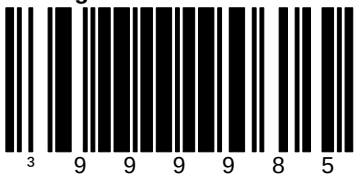
Programmable Prefix Character #8

When this option is chosen, a ninth programmable prefix ID character can be assigned and added to the scanned data transmission.

Programmable Prefix Character #9

When this option is chosen, a ninth programmable prefix ID character can be assigned and added to the scanned data transmission.

Clear Programmable Prefixes



Programmable Prefix Character #10

When this option is chosen, a tenth programmable prefix ID character can be assigned and added to the scanned data transmission.

Enable Manufacturer ID Prefix

When this option is enabled, it will allow the scanner to transmit a special string of characters before every bar code to identify the scanner as a Metrologic Scanner.

Enable “c” Prefix

***Disable Manufacturer ID Prefix**

When this option is chosen, the scanner will not transmit a special string of characters before every bar code to identify the scanner as a Metrologic Scanner.

***Disable “c” Prefix**

Enable “$” Prefix ID for UPC/EAN

Enable Rochford-Thomson Mode

***Disable “$” Prefix ID for UPC/EAN**

***Disable Rochford-Thomson Mode**

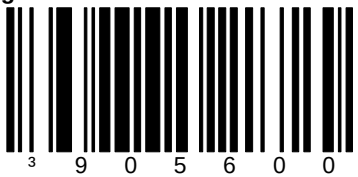
***Use Programmable Code ID Bytes as Prefixes**

User configured, code specific ID Bytes are transmitted before the data.

Use Programmable Code ID Bytes as Suffixes

User configured, code specific ID Bytes are transmitted after the data.

Programmable UPC A ID



While in “Program Mode” scan this bar code followed by the 3 code byte bar codes in section M that represent a unique IDcharacter to be associated with this bar code type.

Programmable UPC E ID

Programmable EAN-8 ID

Programmable Code 39 ID

Programmable EAN-13 ID

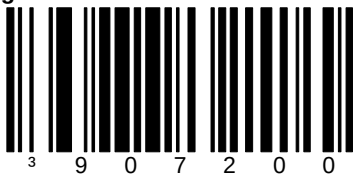
Programmable Code 128 ID

Programmable Code 93 ID

Programmable Telepen ID

Programmable Code 11 ID

Programmable TRI-OPTIC ID



Programmable Standard 2 of 5 ID

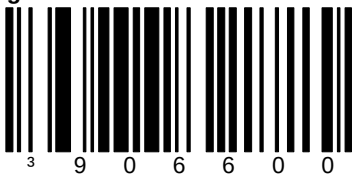
Programmable Matrix 2 of 5 ID

Programmable I 2 of 5 ID

Programmable Airline 2 of 5 ID

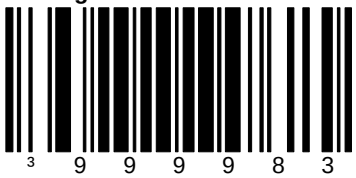
Programmable MSI Plessey ID

Programmable Codabar ID



Programmable UK Plessey ID

Clear Programmable Code IDs



Enable STX Prefix

When this option is enabled, the scanner will transmit a Start of TeXt (ASCII 02H) before each bar code.

Enable Tab Prefix

When this option is enabled, the scanner will transmit a TAB (ASCII 09H) before each bar code.

***Disable STX Prefix**

When this option is chosen the scanner will not transmit a Start of TeXt (ASCII 02H) before each bar code.

Disable Tab Prefix

When this option is chosen, the scanner will not transmit a TAB (ASCII 09H) before each bar code.

Enable UPC Prefix ID

When this option is enabled, the scanner will transmit a prefix before any UPC/EAN bar code. The prefixes are A (UPC-A), EO (UPC-E), F (EAN-13) and FF (EAN-8).

***Disable UPC Prefix ID**

When this option is chosen, the scanner will not transmit a prefix before any UPC/EAN bar code.

Section D

Suffixes

E/D = Enable/Disable

Programmable Suffix Character #1

When this option is chosen, one programmable suffix ID character can be assigned and added to the scanned data transmission. While in “Program Mode” scan this bar code followed by the 3 byte sequence that represents the desired character in section M.

Programmable Suffix Character #2

When this option is chosen, a second programmable suffix ID character can be assigned and added to the scanned data transmission.

Programmable Suffix Character #3

When this option is chosen, a third programm -able suffix ID character can be assigned and added to the scanned data transmission.

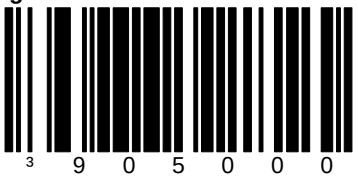
Programmable Suffix Character #4

When this option is chosen, a fourth programm -able suffix ID character can be assigned and added to the scanned data transmission.

Programmable Suffix Character #5

When this option is chosen, a fifth programmable suffix ID character can be assigned and added to the scanned data transmission.

Programmable Suffix Character #6

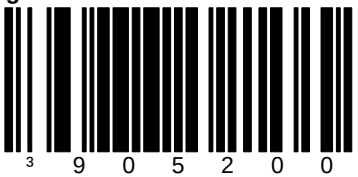


When this option is chosen, a sixth programmable suffix ID character can be assigned and added to the scanned data transmission.

Programmable Suffix Character #7

When this option is chosen, a seventh programm -able suffix ID character can be assigned and added to the scanned data transmission.

Programmable Suffix Character #8

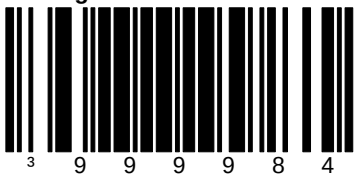


When this option is chosen, a eight programm -able suffix ID character can be assigned and added to the scanned data transmission.

Programmable Suffix Character #9

When this option is chosen, a ninth programmable suffix ID character can be assigned and added to the scanned data transmission.

Clear Programmable Suffixes



Programmable Suffix Character #10

When this option is chosen, a tenth programmable suffix ID character can be assigned and added to the scanned data transmission.

***Enable CR Suffix**

When this option is enabled, the scanner will transmit a Carriage Return (CR) after each bar code.

***Enable LF Suffix**

When this option is enabled, the scanner will transmit a Line Feed (LF) after each bar code.

Disable CR Suffix

When this option is chosen, the scanner will not transmit a Carriage Return (CR) after each bar code.

Disable LF Suffix

When this option is chosen, the scanner will not transmit a Line Feed (LF) after each bar code.

Enable Tab Suffix

When this option is enabled, the scanner will transmit a TAB (ASCII 09H) after each bar code.

Enable ETX Suffix

When this option is enabled, the scanner will transmit an End of TeXt (ASCII 03H) after each bar code.

***Disable Tab Suffix**

When this option is chosen, the scanner will not transmit a TAB (ASCII 09H) after each bar code.

***Disable ETX Suffix**

When this option is chosen, the scanner will not transmit an End of TeXt (ASCII 03H) after each bar code.

Enable UPC Suffix ID

When this option is enabled, the scanner will transmit a suffix after any UPC/EAN bar code. The suffixes are A (UPC-A), EO (UPC-E), F (EAN-13) and FF (EAN-8).

***Disable UPC Suffix ID**

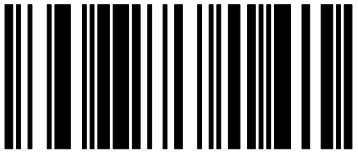
When this option is chosen, the scanner will not transmit a suffix after any UPC/EAN bar code.

Section E

Code Formatting

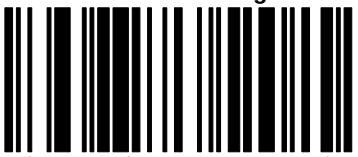
E/D = Enable/Disable T/DNT = Transmit/Do Not Transmit EX/DNEX = Expand/Do Not Expand
C/DNC = Convert/Do Not Convert E/DNE = Enable/Do Not Enable

***Transmit UPC-A Check Digit**



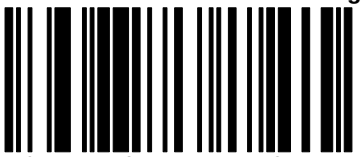
When this option is chosen, the scanner will transmit the UPC-A check digit.

Transmit UPC-E Check Digit



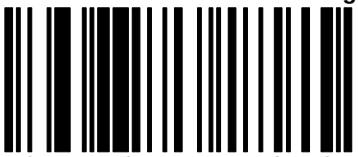
When this option is chosen, the scanner will transmit the UPC-E check digit.

Do not Transmit UPC-A Check Digit



When this option is chosen, the scanner will not transmit the UPC-A check digit.

***Do Not Transmit UPC-E Check Digit**



When this option is chosen, the scanner will not transmit the UPC-E check digit.

Expand UPC-E to 12 Digits

When this option is chosen, the scanner will expand UPC-E to the 12 digit equivalent UPC-A.

Convert UPC-A to EAN-13

When this option is chosen, the scanner will convert UPC-A to EAN-13 by transmitting a leading zero before the bar code.

***Do not Transmit Expand UPC-E to 12 Digits**

When this option is chosen, the scanner will not expand UPC-E to the 12 digit equivalent UPC-A.

***Do not Convert UPC-A to EAN-13**

When this option is chosen, the scanner will not convert UPC-A to EAN-13.

Transmit Lead Zero on UPC-E

When this option is chosen, the scanner will output a zero before each UPC-E bar code.

Convert EAN-8 to EAN-13

When this option is chosen, the scanner will convert EAN-8 to EAN-13 by transmitting five zeroes before the bar code.

***Do not Transmit Lead Zero on UPC-E**

When this option is chosen, the scanner will not output a zero before each UPC-E bar code.

***Do not Convert EAN-8 to EAN-13**

When this option is chosen, the scanner will not convert EAN-8 to EAN-13.

***Transmit UPC-A Number System**

When this option is chosen, the scanner will transmit the UPC-A number system character.

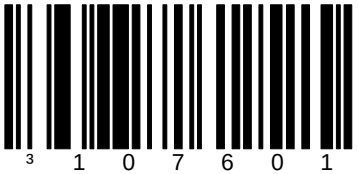
***Transmit UPC-A MFR#**

When this option is chosen, the scanner will transmit a UPC-A manufacturer number.

Do not Transmit UPC-A Number System

Metrologic strongly discourages the disabling of this feature because duplicate numbers may result in the database when the scanner is programmed not to transmit the UPC-A number system character.

***Do not Transmit UPC-A MFR#**



When this option is chosen, the scanner will not transmit a UPC-A manufacturer number.

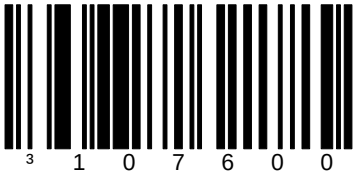
***Transmit UPC-A ITEM#**

When this option is chosen, the scanner will transmit a UPC-A Item number.

Transmit Codabar Start/Stop Characters

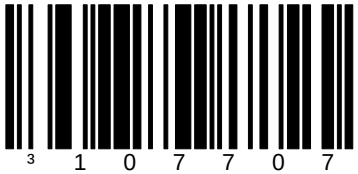
When this option is chosen, the scanner will transmit Codabar's start and stop characters before and after each bar code.

Do Not Transmit UPC-A ITEM#



When this option is chosen, the scanner will not transmit a UPC-A Item number.

***Do Not Transmit Codabar Start/Stop**



When this option is chosen, the scanner will not transmit Codabar's start and stop characters before and after each bar code.

Enable CLSI Editing

When this option is enabled, the scanner will perform CLSI library type editing before the information is transmitted to the host. This editing only works with 14 digit Codabar type labels.

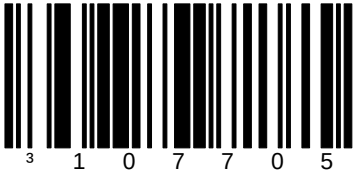
***Do Not Enable CLSI Editing**

When this option is chosen, the scanner will not perform CLSI library type editing before the information is transmitted to the host.

Transmit Mod 43 Check Digit on Code 39

When this option is chosen, the scanner will transmit Code 39's Mod 43 check character. This feature works in conjunction with the Mod 43 Check on Code 39 option in Section A. Both must be enabled in order for this feature to work.

***Do Not Transmit Mod 43 Check Digit on Code 39**

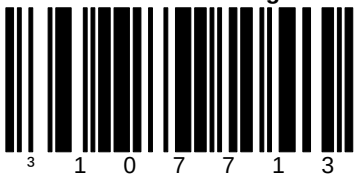


When this option is chosen, the scanner will not transmit Code 39's Mod 43 check character.

Transmit Mod 10 Check Digit on ITF

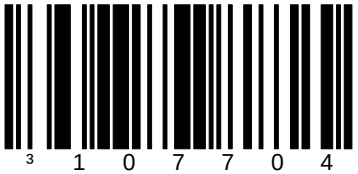
When this option is chosen, the scanner will transmit the Interleaved 2 of 5 (ITF) mod 10 check character. This feature works in conjunction with the Mod 10 Check on ITF. Both must be enabled in order for this feature to work.

Transmit Code 11 Check Digit



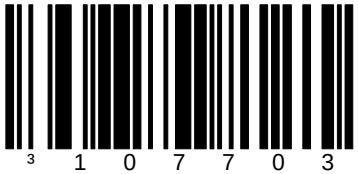
When this option is chosen, the scanner will transmit Code 11 check characters. This feature works in conjunction with the Enable Code 11 option in Section A. Both must be enabled in order for this feature to work.

***Do Not Transmit Mod 10 Check Digit on ITF**



When this option is chosen, the scanner will not transmit the Interleaved 2 of 5 (ITF) mod 10 check character.

***Do Not Transmit Code 11 Check Digit**

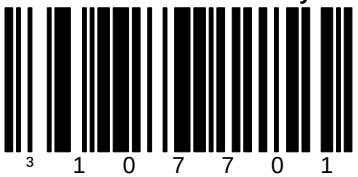


When this option is chosen, the scanner will not transmit Code 11 check characters.

Transmit MSI Plessey Check Digit

When this option is chosen, the scanner will transmit MSI Plessey's check digit characters. This feature works in conjunction with the Plessey options in Section A. This option and one or both of the MSI Plessey Mod options must be enabled in order for this feature to work.

***Do Not Transmit MSI Plessey Check Digit**

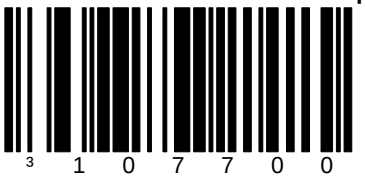


When this option is chosen, the scanner will not transmit MSI Plessey's check digit characters.

Transmit Code 39 Stop/Start Characters

When this option is chosen, the scanner will transmit Code 39's start and stop characters before and after each bar code.

***Do not Transmit Code 39 Start/Stop Characters**



When this option is chosen, the scanner will not transmit Code 39's start and stop characters before and after each bar code.

Transmit UK Plessey Check Digit

When this option is chosen, the scanner will transmit UK Plessey's check digit characters. This feature works in conjunction with the UK Plessey option.

Enable UK Plessey Special Format

***Do not Transmit UK Plessey Check Digit**

When this option is chosen, the scanner will not transmit UK Plessey's check digit characters.

Disable UK Plessey Special Format

Convert Telepen ^L to E

Transmit Matrix 2 of 5 Check Digit

***Do not Convert Telepen ^L to E**

***Do not Transmit Matrix 2 of 5 Check Digit**

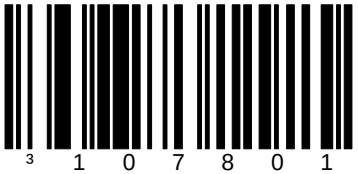
Enable Transmit of LRC Calculation

When this option is chosen, the scanner will output an LRC (check character) after the bar code. In addition, ETX suffix and STX prefix must be enabled while CR and LF must be disabled.

Start LRC on Second Byte

The Scanner will calculate LRC (check digit) from the second character onwards.

***Disable Transmit of LRC Calculation**



When this option is chosen, the scanner will not output an LRC (check character) after the bar code.

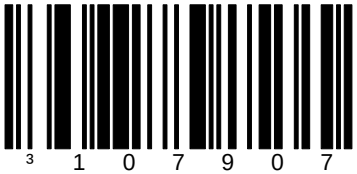
***Start LRC on First Byte**

The Scanner will calculate LRC (check digit) from the first character onwards.

Enable Nixdorf ID Characters

When this option is enabled, the scanner will transmit the code identifiers before each bar code. Many Siemens/Nixdorf registers require these code identifiers.

***Disable Nixdorf ID Characters**



When this option is chosen, the scanner will not transmit the code identifiers before each bar code.

Enable SANYO ID Characters

When this option is chosen, the scanner will transmit code identifiers before each bar code. These identifiers are expected by many Sanyo registers.

***Disable Enable SANYO ID Characters**

When this option is chosen, the scanner will not transmit code identifiers before each bar code.

Enable AIM ID Characters

When this option is chosen, the scanner will transmit AIM symbology identifiers. Currently, the scanners do not support this feature.

Enable SINEKO Mode

***Disable AIM ID Characters**

When this option is chosen, the scanner will not transmit AIM symbology identifiers. Currently, the scanners do not support this feature.

***Disable SINEKO Mode**

***Transmit EAN-13 Check Digit**

When this option is chosen, the scanner will transmit the EAN-13 check digit.

Transmit NCR non UPC Characters

Do Not Transmit EAN-13 Check Digit

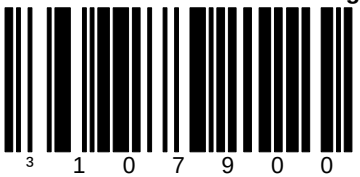
When this option is chosen, the scanner will not transmit the EAN-13 check digit.

***Do Not Transmit NCR non UPC Characters**

***Transmit EAN-8 Check Digit**

When this option is chosen, the scanner will transmit the EAN-8 check digit.

Do Not Transmit EAN-8 Check Digit



When this option is chosen, the scanner will not transmit the EAN-8 check digit.

Enable SNI Beetle Mode

When this option is enabled, the scanner will transmit the ID characters that SNI Beetle cash register expects.

***Disable SNI Beetle Mode**

When this option is disabled, the scanner will not transmit the ID characters that the SNI Beetle cash register expects.

Enable Cipher Lab 1021 IDs

Enable Newcode Formatting Mode A

Disable Cipher Lab 1021 IDs

***Disable Newcode Formatting Mode A**

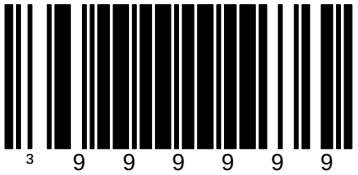
Enable Newcode Formatting Mode B

***Disable Enable Newcode Formatting Mode B**

Section F

Communications

Enter/Exit Program Mode



This bar code should be scanned to enter the program mode. Scan the bar code(s) needed then exit the program mode by scanning bar code again.

Recall Defaults

This bar code should be scanned to go back to the original factory settings when programming the scanner. This bar code will return the scanner to the RS-232 communication protocol.

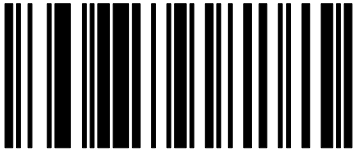
Enable No Communication Mode

This option should be selected if the scanner will not interface with a host device.

***Enable RS-232**

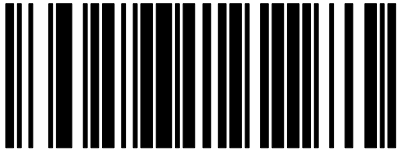
When this option is enabled, the scanner will work with RS-232 +/-12V serial output.

Enable IBM 4680 Communication



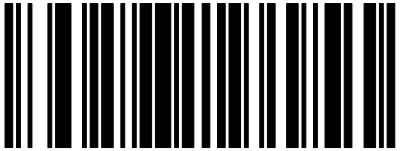
This option should be selected if communications with an IBM 46XX register is needed. This will enable RS-485 communications. Not all scanners support this interface. The correct interface board is required.

Enable Stand-Alone Keyboard Scanner



Allows the scanner to be used without an external keyboard present.

Enable Keyboard Wedge Emulation



This option should be selected if The scanner will provide keyboard emulation by converting the scanned bar code data to the PC keyboard scan code equivalent.

Enable Light Pen Communication

This option should be selected if the scanner will be used in place of a light pen. It will provide light pen emulation of each bar code that is scanned.

OCIA Output

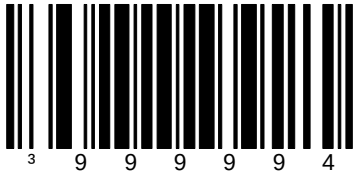
This option should be selected if the communications requirement is OCIA (Optically Coupled Interface Adapter). This is a clocked (by the host) serial interface.

Multi-Drop Address (Byte)

Multi-Drop Network

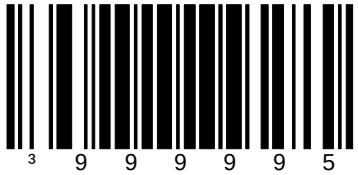
This option should be selected if the scanner will provide RS-422 type output for National Semiconductor/CL cash registers. This is a specific format that is only supported when the proper interface is being used.

Load Keyboard Wedge Defaults

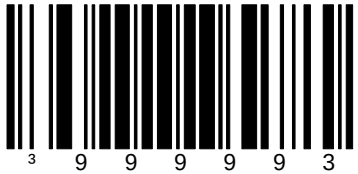


Scan this first, then select Normal or Stand Alone Mode.

Load IBM Defaults



Load OCIA Defaults

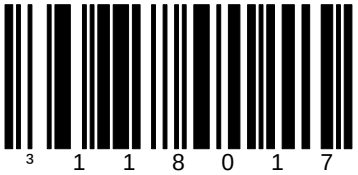


Section G

Scanner Operation

E/D = Enable/Disable
A/DNA = Activate/Do Not Activate
T/DNT = Transmit/Do Not Transmit
F/DNF = Flash/Do Not Flash

Scanability ON



When this option is enabled, the scanner will enter scanability test mode. Do not enable this feature unless instructed to do so by a Metrologic representative.

***Scanability OFF**

Do not enable this feature unless instructed to do so by a Metrologic representative.

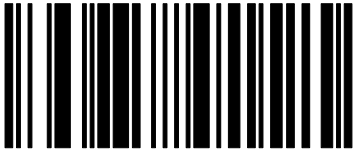
Scan Count Mode ON

When this option is enabled, the scanner will enter scan count test mode. The firmware number of the scanner will also be transmitted to the host device. Do not enable this feature unless instructed to do so by a Metrologic representative.

***Scan Count Mode OFF**

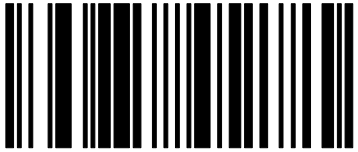
Do not enable this feature unless instructed to do so by a Metrologic representative.

Allow Program Mode on Power up



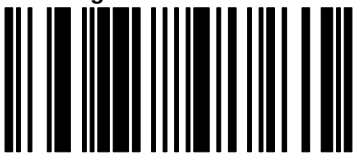
Will allow the scanner to enter program mode before any bar codes are scanned.

Allow Program Labels on Power up

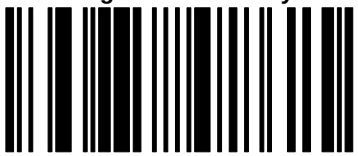


Only allows the scanner to be configured if the configuration bar codes are the first bar codes scanned after power up.

***Allow Program Mode on Power Anytime**

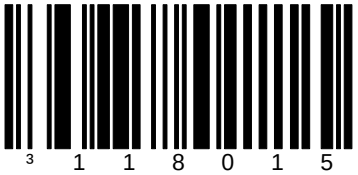


***Allow Program Labels Anytime**



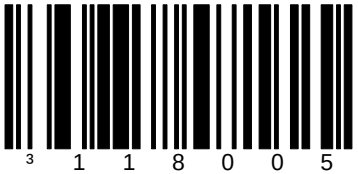
Allows scanning of configration bar codes anytime.

Enable “DE” Disable Command



When this option is enabled, the scanner will stop scanning when it receives an ASCII “D” from the host device. Scanning will resume when the scanner receives an ASCII “E”. This feature will only work with RS-232 communication.

***Disable “DE” Disable Command**

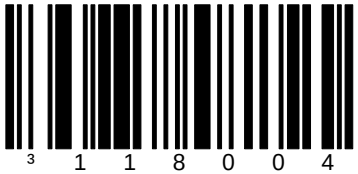


When this option is chosen, the scanner will not stop scanning when it receives an ASCII “D” from the host device.

Enable “FL” Laser Enable Command

When this option is enabled, the laser will turn off when the scanner receives an ASCII “F” from the host device. The laser will turn on when the scanner receives an ASCII “L”. This feature will only work with RS-232 communication.

***Disable “FL” Laser Enable Command**



When this option is chosen, the laser will not turn off when the scanner receives an ASCII “F” from the host device.

***1 Scan Buffer**

When this option is enabled, the scanner will scan continuously if two different labels are in the scan field.

2 Scan Buffers

When this option is enabled, the scanner will scan two different labels in the scan field at once. It will not scan the bar code again until the same symbol time out has elapsed.

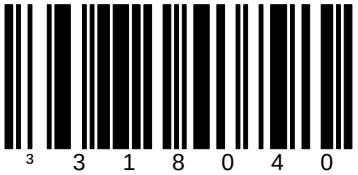
3 Scan Buffers

When this option is enabled, the scanner will scan three different labels in the scan field at once. It will not scan the bar code again until the same symbol time out has elapsed.

4 Scan Buffers

When this option is enabled, the scanner will scan four different labels in the scan field at once. It will not scan the bar code again until the same symbol time out has elapsed.

5 Scan Buffers



When this option is enabled, the scanner will scan five different labels in the scan field at once. It will not scan the bar code again until the same symbol time out has elapsed.

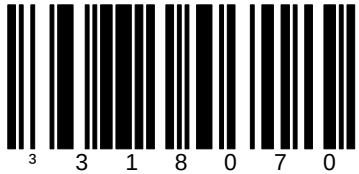
6 Scan Buffers

When this option is enabled, the scanner will scan six different labels in the scan field at once. It will not scan the bar code again until the same symbol time out has elapsed.

7 Scan Buffers

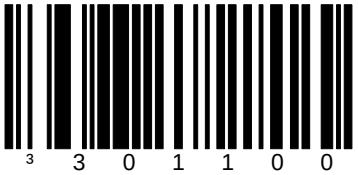
When this option is enabled, the scanner will scan seven different labels in the scan field at once. It will not scan the bar code again until the same symbol time out has elapsed.

8 Scan Buffers

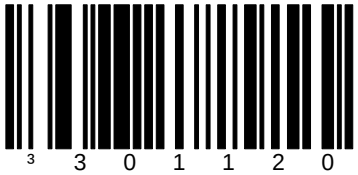


When this option is enabled, the scanner will scan eight different labels in the scan field at once. It will not scan the bar code again until the same symbol time out has elapsed.

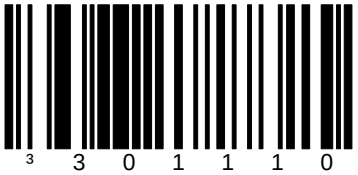
***0 Redundant Scans**



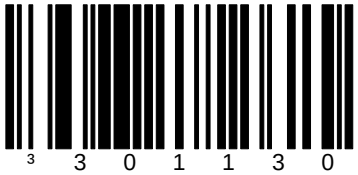
2 Redundant Scans



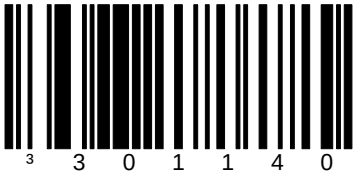
1 Redundant Scans



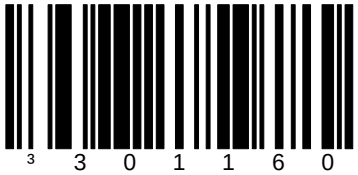
3 Redundant Scans



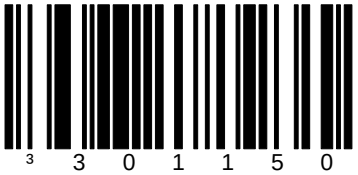
4 Redundant Scans



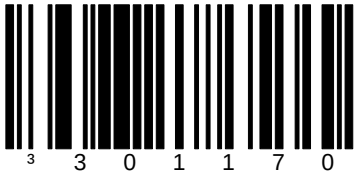
6 Redundant Scans



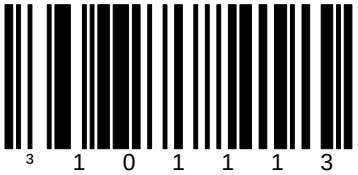
5 Redundant Scans



7 Redundant Scans



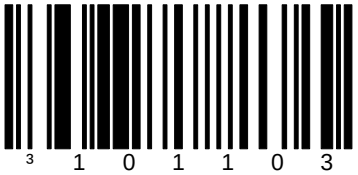
***Enable MAJIC**



Metrologic **A**lgorithim for **J**oining **I**ncomplete bar **C**odes will allow the scanner to read bar codes that are torn or incontinuous.

Enable DTR Scan Disable

Disable MAJIC



***Disable DTR Scan Disable**

Extra Same Symbol Check

Forces the scanner to require 2 characters to be different between the bar codes before it recognizes them as different bar codes.

Enable Japan Mode

***Normal Same Symbol Check**

Forces the scanner to require 2 characters to be different between the bar codes before it recognizes them as different bar codes.

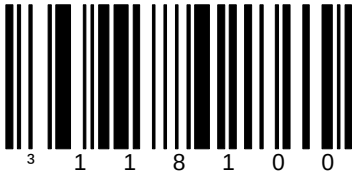
***Disable Japan Mode**

Transmit NO READ if DC2 Activation

Activate on DC2 Character

***Do Not Transmit NO READ if DC2**

***Do Not Activate on DC2 Character**



Motor on/off Using M/O Commands

Enable ZR Type DE Simulation

***Ignore M/O Commands**

***No ZR Type DE Simulation**

Flash Green LED if Rescan Allowed

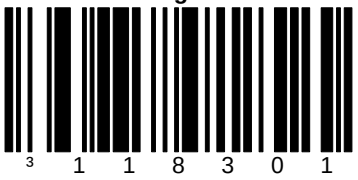
Reverse LED Functions

***Do Not Flash Green LED if Rescan Allowed**

***Normal LED Functions**

No Green LED During NO READ Xmit

***Green LED During NO READ Xmit**



Beep on BEL Command

When enabled, the scanner will respond to a BEL character sent from the host by beeping. If a number is sent before the BEL character, within 200 ms of the BEL, the scanner will beep that many times. ie if the host sends ‘4’ ‘BEL’ the scanner will beep 4 times.

Beep Twice on Supps

The scanner will beep 2 times when a supplement is scanned.

***Ignore BEL Command**

***Single Beep on Supps**

Enable Fast Beep

When this option is selected, the scanner will use the selected tone but shorten the duration of the beep.

***Beep Before Transmit**

When this option is chosen, the scanner will beep before each label is transmitted.

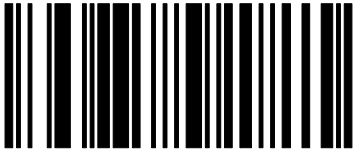
***Disable Fast Beep**

When this option is selected, the scanner will not shorten the beep duration.

Beep After Transmit

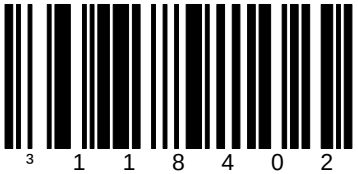
When this option is chosen, the scanner will beep after each label is transmitted.

Enable Communications Time outs



When this option is enabled, the scanner will time out if it does not transmit its data to the host after two seconds during communication. This is only valid in modes where some type of handshaking is involved.

***Disable Communications Time outs**



When this option is enabled, the scanner will not time out if it does not transmit its data to the host after two seconds during communica tion. This is only valid in modes where some type of handshaking is involved.

Razzberry Tone on Time Out

When this option is chosen, the scanner will produce an audible razzberry tone when communications have timed out.

***No Razzberry Tone on Time Out**

When this option is chosen, the scanner will not produce an audible razzberry tone when communications have timed out.

Three Beeps on Time Out

When this option is chosen, the scanner will beep three times when communications have timed out.

***No Beeps on Time Out**

When this option is chosen, the scanner will not beep three times when communications have timed out.

***Normal Tone**

The following beeper tone options are available: Normal, Alt 1, Alt 2, Alt 3, Alt 4, Alt 5, Alt 6 and No Beep. When no No Beep is chosen, the scanner will not emit an audible beep.

Alternate Tone 1

The following beeper tone options are available: Normal, Alt 1, Alt 2, Alt 3, Alt 4, Alt 5, Alt 6 and No Beep. When no No Beep is chosen, the scanner will not emit an audible beep.

Alternate Tone 2

The following beeper tone options are available: Normal, Alt 1, Alt 2, Alt 3, Alt 4, Alt 5, Alt 6 and No Beep. When no No Beep is chosen, the scanner will not emit an audible beep.

Alternate Tone 3

The following beeper tone options are available: Normal, Alt 1, Alt 2, Alt 3, Alt 4, Alt 5, Alt 6 and No Beep. When no No Beep is chosen, the scanner will not emit an audible beep.

Alternate Tone 4

The following beeper tone options are available: Normal, Alt 1, Alt 2, Alt 3, Alt 4, Alt 5, Alt 6 and No Beep. When no No Beep is chosen, the scanner will not emit an audible beep.

Alternate Tone 5

The following beeper tone options are available: Normal, Alt 1, Alt 2, Alt 3, Alt 4, Alt 5, Alt 6 and No Beep. When no No Beep is chosen, the scanner will not emit an audible beep.

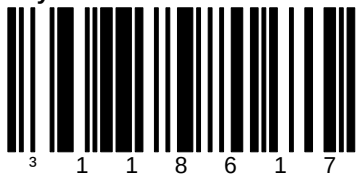
Alternate Tone 6

The following beeper tone options are available: Normal, Alt 1, Alt 2, Alt 3, Alt 4, Alt 5, Alt 6 and No Beep. When no No Beep is chosen, the scanner will not emit an audible beep.

No Beep

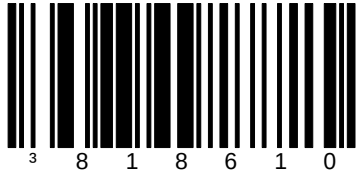
The following beeper tone options are available: Normal, Alt 1, Alt 2, Alt 3, Alt 4, Alt 5, Alt 6 and No Beep. When no No Beep is chosen, the scanner will not emit an audible beep.

Always Power Save Mode



The scanner will enter power save mode immediately after scanning a bar code.

Power Save in 1 Minute

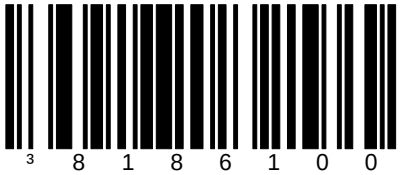


The scanner will enter power save mode 1 minute after scanning a bar code.

Power Save in 2 Minutes

The scanner will enter power save mode 2 minutes after scanning a bar code.

***Power Save in 10 Minutes**

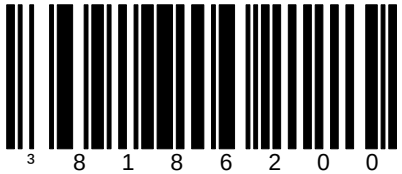


The scanner will enter power save mode 10 minutes after scanning a bar code.

Power Save in 5 Minutes

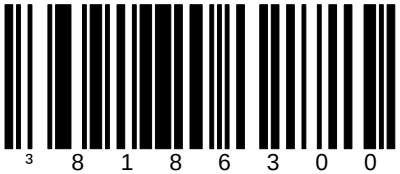
The scanner will enter power save mode 5 minutes after scanning a bar code.

Power Save in 20 Minutes



The scanner will enter power save mode 20 minutes after scanning a bar code.

Power Save in 30 Minutes



The scanner will enter power save mode 30 minutes after scanning a bar code.

No Power Save Mode

The scanner will never enter power save mode (power save mode disabled).

Far Depth of Field

Do not change this setting unless instructed to do so by a Metrologic representative.

Normal Depth of Field

Do not change this setting unless instructed to do so by a Metrologic representative.

Close Depth of Field

Do not change this setting unless instructed to do so by a Metrologic representative.

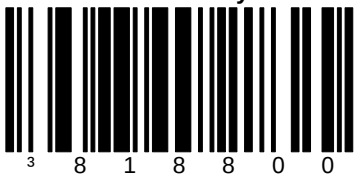
***Optimal Low Density Depth of Field**

Do not change this setting unless instructed to do so by a Metrologic representative.

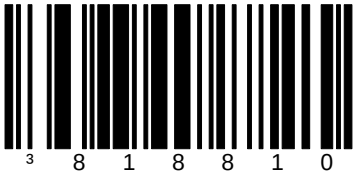
Optimal High Density Depth of Field

Do not change this setting unless instructed to do so by a Metrologic representative.

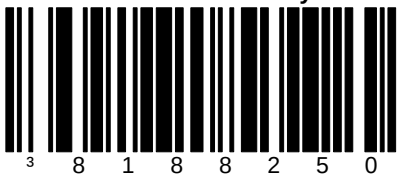
No Intercharacter Delay



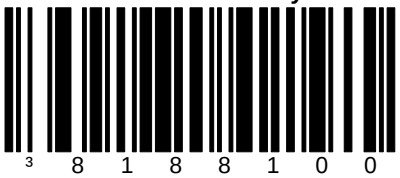
***1 msec Intercharacter Delay**



25 msec Intercharacter Delay



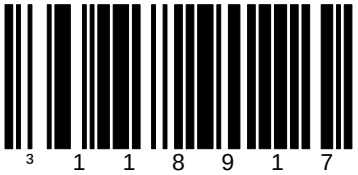
10 msec Intercharacter Delay



Variable Intercharacter Delay

The delay between characters being sent out of the scanner can be set in 1 milli-second increments by scanning this bar code and followed by the sequence of code bytes in section M that range from 001 to 255 milliseconds.

Infinite Same Symbol Time Out



When this option is selected, the scanner never scans the same bar code repetitively during a scanning session. This option overrides all of the same symbol rescan time outs.

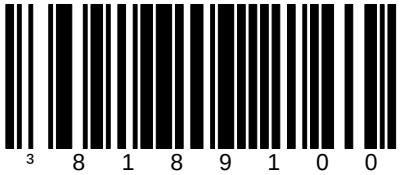
Same Symbol Time Out 200 msecs

The available same symbol time outs are 100, 200, 500, 1200 and 2000 milliseconds. These numbers represent the amount of time that a bar code must be out of the scan field before that bar code can be scanned again.

Same Symbol Time Out 100 msecs

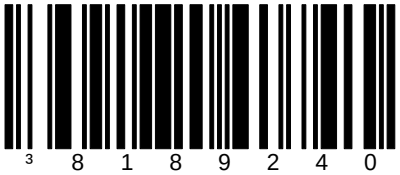
The available same symbol time outs are 100, 200, 500, 1200 and 2000 milliseconds. These numbers represent the amount of time that a bar code must be out of the scan field before that bar code can be scanned again.

***Same Symbol Time Out 500 msecs**



The available same symbol time outs are 100, 200, 500, 1200 and 2000 milliseconds. These numbers represent the amount of time that a bar code must be out of the scan field before that bar code can be scanned again.

Same Symbol Time Out 1200 msecs

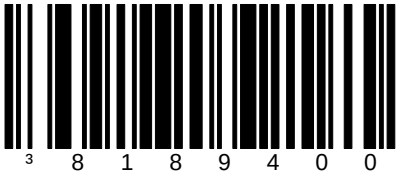


The available same symbol time outs are 100, 200, 500, 1200 and 2000 milliseconds. These numbers represent the amount of time that a bar code must be out of the scan field before that bar code can be scanned again.

No Same Symbol Time Out

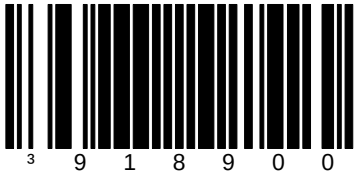
When this option is selected, the same bar code is scanned again without any time delay. This option overrides any selected same symbol rescan time out option.

Same Symbol Time Out 2000 msecs



The available same symbol time outs are 100, 200, 500, 1200 and 2000 milliseconds. These numbers represent the amount of time that a bar code must be out of the scan field before that bar code can be scanned again.

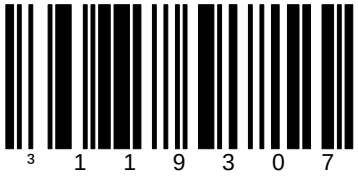
Variable Same Symbol Timeout



(refer to Intercharcter Delay) The time the scanner will wait for a response from the host; mutiple of 50 msecs.

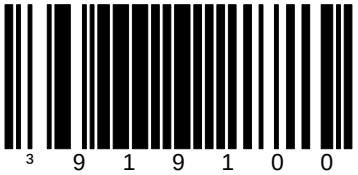
Variable Inter-Record Delay

***Leave Laser on During Inter-Record Delay**

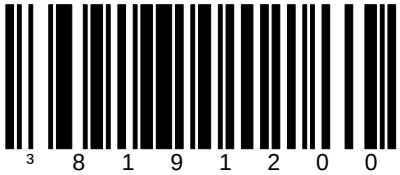


Turn Off Laser During Inter-Record Delay

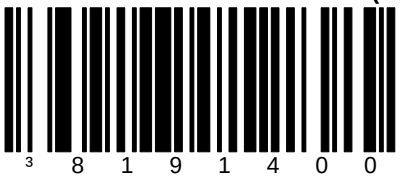
Variable Communications Time Out



Short Comms Time Out (1 sec)



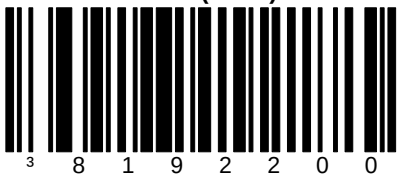
Default Communications Time Out (2 secs)



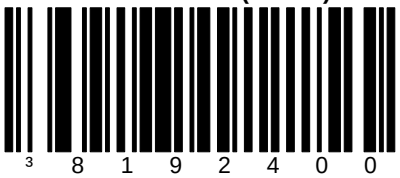
Long Comms Time Out (4 secs)

Variable Laser Time Out

Short Laser Time Out (1 sec)



Default Laser Time Out (2 secs)



Long Laser Time Out (4 secs)

Section H

RS-232

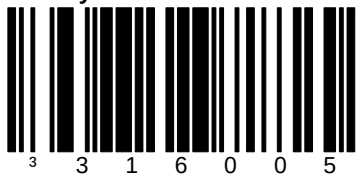
E/D = Enable/Disable

***Enable RS-232 Mode**

When this option is enabled, the scanner will work with RS-232 +-12V serial output.

No Parity

Odd Parity



Parity is an extra bit attached to the transmitted data byte which is used to catch potential single-bit data transmission errors. The scanner's parity must match the host's parity. Select odd to make the additional parity bit either a 0 or 1 to guarantee that an odd number of bits are ones.

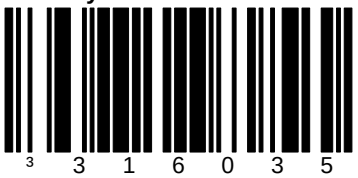
***Space Parity**

Parity is an extra bit attached to the transmitted data byte which is used to catch potential single-bit data transmission errors. The scanner's parity must match the host's parity. Select space to make the parity bit always 0.

Even Parity

The scanner's parity must match the host's parity. Select even to make the additional parity bit either a 0 or 1 to guarantee that an even number of bits are ones.

Mark Parity



Parity is an extra bit attached to the transmitted data byte which is used to catch potential single-bit data transmission errors. The scanner's parity must match the host's parity. Select mark to make the parity bit always 1.

115200 Baud Rate

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

57600 Baud Rate

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

38400 Baud Rate

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

14400 Baud Rate

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

19200 Baud Rate

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

***9600 Baud Rate**

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

4800 Baud Rate

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

1200 Baud Rate

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

2400 Baud Rate

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

600 Baud Rate

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

300 Baud Rate

A baud rate is a unit that measures the speed with which information is transferred. The baud rate of the scanner must equal the baud rate of the host device. Select the rate that matches the host device's requirements.

***7 Data Bits**

Number of data bits transmitted for each character.

8 Data Bits

Number of data bits transmitted for each character.

***1 Stop Bit**

Number of stop bits transmitted with each character.

***2 Stop Bits**

Number of stop bits transmitted with each character.

Enable DTR Support

When this option is enabled, the scanner will stop scanning when the Data Terminal Ready (DTR) signal goes inactive.

***Disable DTR Support**

When this option is chosen, the scanner will not stop scanning when the Data Terminal Ready (DTR) signal goes inactive.

Enable RTS/CTS Handshaking

When this option is enabled, the scanner will output a Request To Send (RTS) signal and wait for a Clear To Send (CTS) signal before any data is transmitted.

***Character RTS/CTS**

When this option is chosen, the scanner will activate and deactivate its RTS signal on each character that it transmits.

***Disable RTS/CTS Handshaking**

When this option is chosen, the scanner will not output a Request To Send (RTS) signal and wait for a Clear To Send (CTS) signal before any data is transmitted.

Message RTS/CTS

When this option is chosen, the scanner will activate and deactivate its RTS signal on each message that it transmits. This mode should normally be enabled for Sanyo registers.

Enable RTS Counter Toggle

On a good decode, the scanner will toggle the RTS line.

Enable XON/XOFF Handshaking

When this option is enabled, the scanner will stop transmission whenever an XOFF (ASCII 13H) is received. Transmission will resume after an XON (ASCII 11H) is received.

***Disable RTS Counter Toggle**

***Disable XON/XOFF Handshaking**

When this option is chosen, the scanner will not stop transmission whenever an XOFF (ASCII 13H) is received

Enable ACK/NACK

When ACK/NAK is enabled, the scanner will not scan again unless an ACK (ASCII 06H) is received after transmission of a bar code. If a NAK (ASCII 15H) is received, the scanner will retransmit the bar code.

Support BEL/CAN in ACK/NAK

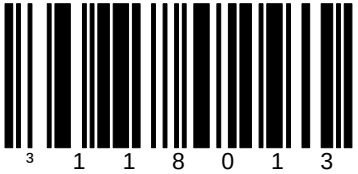
The scanner will support BEL/CAN commands while using ACK/NAK handshaking (ACK/NAK handshaking must also be enabled).

***Disable ACK/NACK**

When this option is chosen, ACK/NAK handshaking will not occur.

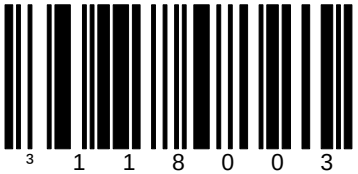
***Ignore BEL/CAN in ACK/NAK**

Enable 5 Retires on ACK/NACK Time Out



When this option is enabled, the scanner will transmit five times when an ACK/NAK communication time-out is reached.

***Disable 5 Retires on ACK/NACK Time Out**



When this option is enabled, the scanner will transmit one time when an ACK/NAK communication time-out is reached.

Enable French PC Term

When this option is enabled, the scanner will transmit PC type make/break scan codes instead of ASCII data characters.

***Disable French PC Term**

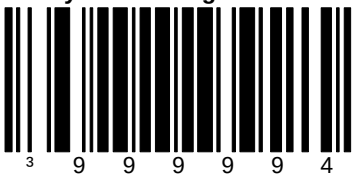
When this option is disabled, the scanner will not transmit PC type make/break scan codes instead of ASCII data characters.

Section I

Keyboard

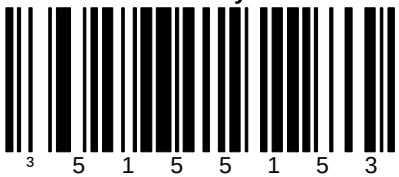
E/D = Enable/Disable T/DNT = Transmit/Do Not Transmit

Load Keyboard Wedge Defaults



Scan this first, then select Normal or Stand Alone Mode.

Enable Stand-Alone Keyboard Emulation



If keyboard emulation is enabled, scan this bar code to enable the Stand-Alone Mode.

Enable Keyboard Wedge Emulation

This option should be selected if the scanner will provide keyboard emulation by converting the scanned bar code data to the PC keyboard scan code equivalent.

Switzerland Keyboard

If keyboard emulation is enabled, scan this bar code to enable the keyboard type Switzerland.

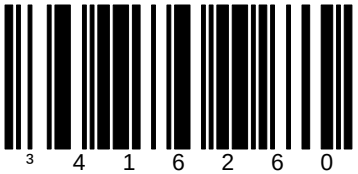
IBM 4700 Financial Keyboard

If keyboard emulation is enabled, scan this bar code to enable the keyboard type IBM 4700 Financial.

Spain Keyboard

If keyboard emulation is enabled, scan this bar code to enable the keyboard type Spain.

***USA Keyboard**



If keyboard emulation is enabled, scan this bar code to enable the keyboard type USA.

Italy Keyboard

If keyboard emulation is enabled, scan this bar code to enable the keyboard type Italy.

Germany Keyboard

If keyboard emulation is enabled, scan this bar code to enable the keyboard type German.

UK Keyboard

If keyboard emulation is enabled, scan this bar code to enable the keyboard type UK.

France Keyboard

If keyboard emulation is enabled, scan this bar code to enable the keyboard type France.

Belgium Keyboard

If keyboard emulation is enabled, scan this bar code to enable the keyboard type Belgium.

Enable Alt Mode

When the option is enabled, the scanner will duplicate this keyboard sequence: Hold down the Alt key: Type the decimal number that corresponds to the appropriate character.

XT Keyboard

If using an XT computer, scan the above.

***Disable Alt Mode**

Caution: If the host software application uses the Alt key as a “Hot” key, make sure Alt mode is disabled.

***AT Keyboard**

If using an AT computer, scan the above. (includes IBM PS/2 and compatible models 50, 55, 60, 80).

PS/2 Keyboard

If using a PS/2 computer, scan the above. (includes IBM PC and compatible models 30, 70, 8556)

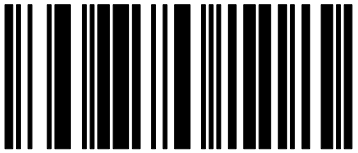
Enable Auto Detect Mode (AT Only)

Automatically detects Caps Lock status.

***Disable Auto Detect Mode (AT Only)**

When this option is disabled, the Caps Lock feature is not supported.

Enable Caps Lock (PS/2 or XT)



User-defined Caps Lock status.

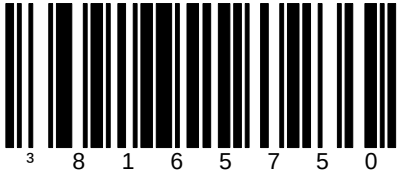
***Disable Caps Lock (PS/2 or XT)**

When this option is disabled, the Caps Lock feature is not supported.

***Inter Scan Code Delay 800 Microseconds**

The time specified represents the amount of time between individual 9-bit scan codes. This parameter may need to be adjusted for operation with certain PC keyboard BIOS.

Inter Scan Code Delay 7.5 msec



The time specified represents the amount of time between individual 9-bit scan codes. This parameter may need to be adjusted for operation with certain PC keyboard BIOS.

Inter Scan Code Delay 15 msec

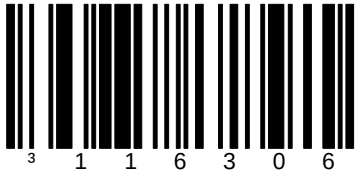
The time specified represents the amount of time between individual 9-bit scan codes. This parameter may need to be adjusted for operation with certain PC keyboard BIOS.

Send Numbers as Keypad Data

When this option is enabled, all numeric data is sent as if it had been enabled on a keypad.

Variable Inter Scan Code Delay

***Send Numbers as Normal Data**



Transmit Cleanup Bit

Transmit Make Code Only

Do not change unless instructed to do so by a Metrologic represenative.

***Do Not Transmit Cleanup Bit**

***Transmit Make/Break Code**

Do not change unless instructed to do so by a Metrologic represenative.

***Transmit F0H Break Code (AT and PS/2)**

When this option is chosen, the scanner will transmit the F0H in the break-code sequence.

Do Not Transmit F0H Break Code (AT and PS/2)

When enabled, the scanner will not transmit the F0H in the break-code sequence.

Enable Function/Control Key Support

***Disable Function/Control Key Support**

Section J

OCIA

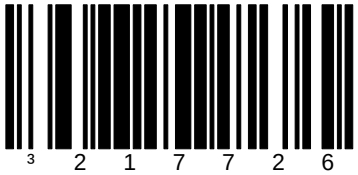
Enable OCIA Mode

This option should be selected if the communications requirement is OCIA (Optically Coupled Interface Adapter). This is a clocked (by the host) serial interface.

Enable DTS/Siemens

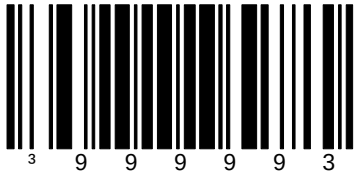
***Enable DTS/Nixdorf**

Enable NCR F



Enable NCR-S

Load OCIA Defults



Section K

Light Pen

E/D = Enable/Disable P/DNP = Poll/Do Not Poll

Enable Light Pen Mode

This option should be selected if the scanner will be used in place of a light pen. It will provide light pen emulation of each bar code that is scanned.

***Bars High**

Spaces High

Transmit as Code 39

All bar codes will be decoded then transmitted as a code 39 bar code.

Poll Light Pen Source

When this option is chosen, the scanner will wait for an active source voltage before transmitting the data.

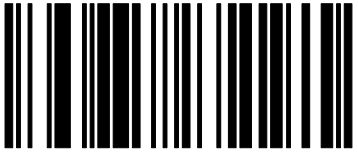
***Transmit as Scanned**

All bar codes will be decoded in their orginial format.

***Do Not Poll Light Pen Source**

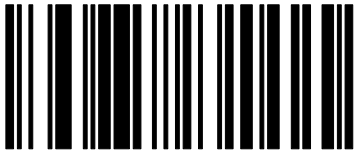
When this option is chosen, the scanner will not wait for an active source voltage before transmitting the data.

Enable Light Pen Toggle on Decode



When enabled, the scanner will toggle the light pen data line on a successful decode.

10x Narrow Element Border



This bar code allows the transmission of Light Pen/Wand emulation using a 10x border.

***Disable Light Pen Toggle on Decode**

***50x Narrow Element Border**

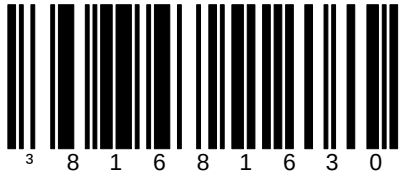
This bar code allows the transmission of Light Pen/Wand emulation using a 50x border.

Enable Light Pen Extra Toggle

When enabled, the scanner will toggle the light pen data line on a successful decode.

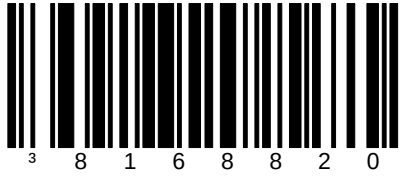
***Disable Light Pen Extra Toggle**

***1 ms Minimum Element Width**



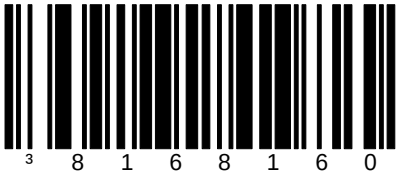
This bar code allows the transmission of Light Pen/Wand emulation using a 1 ms minimum element width.

500 us Minimum Element Width



This bar code allows the transmission of Light Pen/Wand emulation using a 500 us minimum element width.

100 us Minimum Element Width

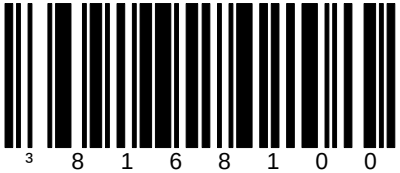


This bar code allows the transmission of Light Pen/Wand emulation using a 100 us minimum element width.

Variable Minimum Element Width

Requires code byte. Multiple of 6 us.

60 us Minimum Element Width



This bar code allows the transmission of Light Pen/Wand emulation using a 60 us minimum element width.

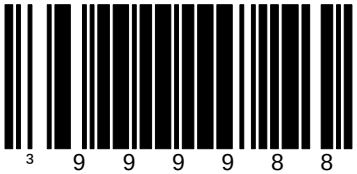
Section L

Reserved Codes

E/D = Enable/Disable

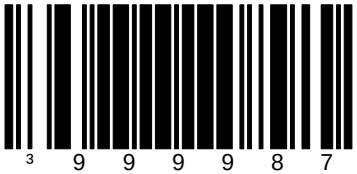
E/D Reserved Code (L - 1)

Enable Reserved Code



Contact Metrologic for information about this feature.

Disable Reserved Code



Section M

Code Bytes

Code Byte Usage

!!!NOTE!!!
User Programmable Prefixes, Symbol Length and other features that use these Code Bytes for configuration, require that the scanner be in Program Mode. Scan the Enter/Eit Program Mode bar code before staring the configuration cycle. Single Code Programming Mode does not work for these multi-code sequences.
!!!END!!!

User selectable prefix/suffix characters (sections C and D) can be programmed into the scanner by scanning the 3 digit decimal equivalent of the ASCII character into the appropriate character location with the Code Byte bar codes. For example, scan Programmable Prefix Character 1, Code Byte 0, Code Byte 0, Code Byte 7 (007 = decimal equivalent of an ASCII “BEL” character) and the scanner will transmit an ASCII “BEL” character before each bar code. See the ASCII Reference Table on pages M-4 through M-9.

Code Type Table

CODE BYTE	CODE TYPES
004	UPC-A
002	UPC-E
003	EAN-8
005	EAN-13
080	Code 39
081	Codabar
082	Interleaved 2 of 5
083	Code 128
084	Code 93
091	MSI Plessey
092	Code 11
093	Airline 2 of 5 (15 digits)
094	Matrix 2 of 5
095	Telepen
096	UK Plessey
099	TRI-OPTIC
098	Standard 2 of 5
097	Airline 2 of 5 (13 digits)

Code Byte 0

Code Byte 2

Code Byte 1

Code Byte 3

Code Byte 4

Code Byte 6

Code Byte 5

Code Byte 7

Code Byte 8

Code Byte 9

ASCII Reference Table

HEX VALUE	DECIMAL VALUE	CHARACTER	CONTROL KEYBOARD EQV
00	000	NUL	@
01	001	SOH	A
02	002	STX	B
03	003	ETX	C
04	004	EOT	D
05	005	ENQ	E
06	006	ACK	F
07	007	BEL	G
08	008	BS	H
09	009	HT	I
0A	010	LF	J
0B	011	VT	K
0C	012	FF	L
0D	013	CR	M
0E	014	SO	N
0F	015	SI	O
10	016	DLE	P
11	017	DC1	Q
12	018	DC2	R
13	019	DC3	S
14	020	DC4	T
15	021	NAK	U
16	022	SYN	V
17	023	ETB	W
18	024	CAN	X
19	025	EM	Y

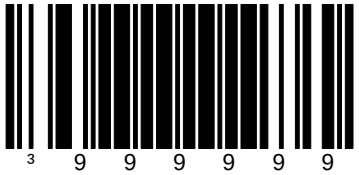
HEX VALUE	DECIMAL VALUE	CHARACTER	CONTROL/ALTERNATE KEYBOARD EQV
1A	026	SUB	Z
1B	027	ESC	[
1C	028	FS	\
1D	029	GS	]
1E	030	RS	^
1F	031	US	_
20	032	SP	space, blank
21	033	!	
22	034	“	
23	035	#	
24	036	$	
25	037	%	
26	038	&	
27	039	‘	apostrophe
28	040	(	
29	041	)	
2A	042	*	
2B	043	+	
2C	044	,	comma
2D	045	-	minus
2E	046	.	period
2F	047	/	
30	048	0	number zero
31	049	1	number one
32	050	2	
33	051	3	

HEX VALUE	DECIMAL VALUE	CHARACTER	ALTERNATE KEYBOARD EQV
34	052	4	
35	053	5	
36	054	6	
37	055	7	
38	056	8	
39	057	9	
3A	058	:	
3B	059	;	
3C	060	<	less than
3D	061	=	
3E	062	>	greater than
3F	063	?	
40	064	@	shift P
41	065	A	
42	066	B	
43	067	C	
44	068	D	
45	069	E	
46	070	F	
47	071	G	
48	072	H	
49	073	I	letter I
4A	074	J	
4B	075	K	
4C	076	L	
4D	077	M	

HEX VALUE	DECIMAL VALUE	CHARACTER	ALTERNATE KEYBOARD EQV
4E	078	N	
4F	079	O	letter O
50	080	P	
51	081	Q	
52	082	R	
53	083	S	
54	084	T	
55	085	U	
56	086	V	
57	087	W	
58	088	X	
59	089	Y	
5A	090	Z	
5B	091	[	shift K
5C	092	\	shift L
5D	093	]	shift M
5E	094	^	↑, shift N
5F	095	_	←, shift O, underscore
60	096	`	accent grave
61	097	a	
62	098	b	
63	099	c	
64	100	d	
65	101	e	
66	102	f	
67	103	g	

HEX VALUE	DECIMAL VALUE	CHARACTER	ALTERNATE KEYBOARD EQV
68	104	h	
69	105	i	
6A	106	j	
6B	107	k	
6C	108	l	
6D	109	m	
6E	110	n	
6F	111	o	
70	112	p	
71	113	q	
72	114	r	
73	115	s	
74	116	t	
75	117	u	
76	118	v	
77	119	w	
78	120	x	
79	121	y	
7A	122	z	
7B	123	{	
7C	124	|	vertical slash
7D	125	}	alt mode
7	126	~	(alt mode)
7F	127	DEL	delete, rubout

ENTER/EXIT PROGRAM MODE



RECALL DEFAULTS