USER MANUAL

SR300NM

SR300NM-CR

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Factory Defaults

Start / End

Factory Defaults

Custom Defaults

Start / End

Save Custom Defaults

Custom Defaults

Scan Mode



Start / End



Trigger Mode / DEFAULT



Sense Mode



Continuous Mode

Sense Mode Sensitivity



Start / End



Low Sensitivity



&

Medium Sensitivity / DEFAULT



High Sensitivity

Decode Redundancy

The scanner offers three levels of decode redundancy. Select higher redundancy levels for decreasing levels of bar code quality.

As redundancy levels increase, the scanner's aggres-siveness decreases. Select the redundancy level appropriate for the bar code quality.

Redundancy Level 1

All code types just read one time.

Redundancy Level 2

All code types must be successfully read two times before being decoded.

Redundancy Level 3

All code types must be successfully read three times before being decoded.

Decode Redundancy



Start / End



1 time / DEFAULT



2 times



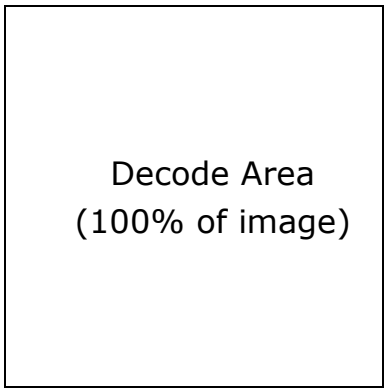
3 times

Decode Area

The scanner offers four settings of decode area.

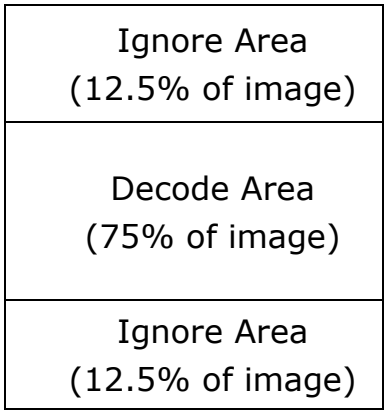
Full size of image

To decode the barcode within full size of image



75% of image

To decode the barcode within 75% of image



Decode Area - Continued

50% of image

To decode the barcode within 50% of image

Ignore Area (25% of image)
Decode Area (50% of image)
Ignore Area (25% of image)

25% of image

To decode the barcode within 25% of image

Ignore Area (37.5% of image)
Decode Area (25% of image)
Ignore Area (37.5% of image)

Decode Area - Continued



Start / End



Full Size / DEFAULT



75% of image



50% of image



25% of image

Decode Session Timeout

This parameter sets the maximum time decode session continues during a scan attempt. This feature is only applicable to the **Trigger** and **Sense** modes. It is programmable in 1ms increments from 1ms to 60,000 ms. When it is set to 0 , the timeout is infinite. The default setting is 5,000 ms.

Set the decode session timeout to 1,500ms

1. Scan the **Start** barcode.

2. Scan the **Decode Session Timeout** barcode.

3. Scan the "1", "5", "0" and "0" barcodes from the **Digit Number** in Appendix C.

4. Scan the **End** barcode.



Start / End



Decode Session Timeout

Time to Read Same Barcode

• Timeout between Decodes

Timeout between Decodes (Same Barcode) can avoid undesired rereading of same barcode in a given period of time. This feature is only applicable to the **Sense** and **Continuous** modes.

It is programmable in 1ms increments from 1ms to 5,000 ms. When it is set to 0, the timeout is disable. The default setting is 1500 ms.

• Ignore Same Code

Time to ignore the decode when read same barcode in a given period of time. This feature is only applicable to the **Sense** and **Continuous** modes.

Set the timeout between decodes to 500ms

1. Scan the **Start** barcode.
2. Scan the **Timeout between Decodes** barcode
3. Scan the “5”, “0” and “0” barcodes from the **Digit Number** in Appendix C.
4. Scan the **End** barcode.

Set the ignore same barcode to 250 ms

1. Scan the **Start** barcode.
2. Scan the **Ignore Same Barcode**
3. Scan the “2”, “5” and “0” barcodes from the **Digit Number** in Appendix C.
4. Scan the **End** barcode.

Time to Read Same Barcode - Continued



Start / End



Timeout between Decodes / DEFAULT



Ignore Same Barcode

Time to Suspend State

This parameter sets the time to enter to suspend state when the decoder is idle. This feature is only applicable to the **Trigger** and **Continuous** modes. It is programmable in 1ms increments from 1ms to 36,00,000 ms. When it is set to 0, the timeout is disable. The default setting is 15,000 ms.

Set the time to suspend state to 2,500 ms

1. Scan the **Start** barcode.

2. Scan the **Time to Suspend State** barcode

3. Scan the “2”, “5”, “0” and “0” barcodes from the **Digit Number** in Appendix C.

4. Scan the **End** barcode.



Start / End



Time to Suspend State

Illumination Mode



Start / End



Disable



Enable by trigger / DEFAULT



Always On



Fade Up

Illumination Level



Start / End



Minimum



Medium



Maximum / DEFAULT

Aiming Pattern



Start / End



Disable



Enable by trigger / DEFAULT



Always On

Buzzer Output



Start / End



Disable



Enable / DEFAULT

Code Settings

Enable All Codes



Start / End



Enable All Codes

Enable 1D Codes



Start / End



Enable 1D Codes

Enable 2D Codes



Start / End



Enable 2D Codes

Disable All Codes



Start / End



Disable All Codes

UPC-A



Start / End



Enable UPC-A / DEFAULT



Disable UPC-A

UPC-A - Continued



Start / End



Include Number System Digit / DEFAULT



Exclude Number System Digit

UPC-A - Continued



Start / End



Send Check Digit / DEFAULT



Don't Send Check Digit

UPC-A - Continued



Start / End



Expand to EAN13



Don't Expand to EAN13 / DEFAULT

UPC-A - Continued



Start / End



Disable UPC-A Add-ons / DEFAULT



Enable UPC-A 2/5-Digit Add-ons

UPC-A - Continued



Start / End



Enable UPC-A 2-Digit Add-ons



Enable UPC-A 5-Digit Add-ons

UPC-A - Continued



Start / End



Disable UPC-A 2/5-Digit Add-ons Only / DEFAULT



Enable UPC-A 2/5-Digit Add-ons Only

UPC-E



Start / End



Enable UPC-E / DEFAULT



Disable UPC-E

UPC-E - Continued



Start / End



Include Number System Digit / DEFAULT



Exclude Number System Digit

UPC-E - Continued



Start / End



Send Check Digit / DEFAULT



Don't Send Check Digit

UPC-E - Continued



Start / End



Expand to UPC-A



Don't Expand to UPC-A / DEFAULT

UPC-E - Continued



Start / End



Disable UPC-E Add-ons / DEFAULT



Enable UPC-E 2/5-Digit Add-ons

UPC-E - Continued



Start / End



Enable UPC-E 2-Digit Add-ons



Enable UPC-E 5-Digit Add-ons

UPC-E - Continued



Start / End



Disable UPC-E 2/5-Digit Add-ons Only / DEFAULT



Enable UPC-E 2/5-Digit Add-ons Only

EAN 13



Start / End



Enable EAN 13 / DEFAULT



Disable EAN 13

EAN 13 - Continued



Start / End



Send Check Digit / DEFAULT



Don't Send Check Digit

EAN 13 - Continued



Start / End



Disable ISBN / DEFAULT



Enable ISBN

EAN 13 - Continued



Start / End



Disable EAN 13 Add-ons / DEFAULT



Enable EAN 13 2/5-Digit Add-ons

EAN 13 - Continued



Start / End



Enable EAN 13 2-Digit Add-ons



Enable EAN 13 5-Digit Add-ons

EAN 13 - Continued



Start / End



Disable EAN 13 2/5-Digit Add-ons Only / DEFAULT



Enable EAN 13 2/5-Digit Add-ons Only

EAN 8



Start / End



Enable EAN 8 / DEFAULT



Disable EAN 8

EAN 8 - Continued



Start / End



Send Check Digit / DEFAULT



Don't Send Check Digit

EAN 8 - Continued



Start / End



Expand to EAN 13



Don't Expand to EAN 13 / DEFAULT

EAN 8 - Continued



Start / End



Disable EAN 8 Add-ons / DEFAULT



Enable EAN 8 2/5-Digit Add-ons

EAN 8 - Continued



Start / End



Enable EAN 8 2-Digit Add-ons



Enable EAN 8 5-Digit Add-ons

EAN 8 - Continued



Start / End



Disable EAN 8 2/5-Digit Add-ons Only / DEFAULT



Enable EAN 8 2/5-Digit Add-ons Only

Code 128



Start / End



Enable Code 128 / DEFAULT



Disable Code 128

Set Lengths for Code 128

One Discrete Length

Select this option to decode the symbol containing a selected length. Select the length using the numeric bar codes in ASCII Code. For example, to decode only Code 128 symbols with 14 characters, scan **Code 128 One Discrete Length**, then scan **1** followed by **4**.

• Two Discrete Lengths

Select this option to decode the symbol containing either of two selecte lengths. Select lengths using the numeric bar codes in ASCII Code. Fc example, to decode only Code 128 symbols containing either 2 or 14 characters, select **Code 128 Two Discrete Lengths**, then scan **0**, **2**, **1** and then **4**.

• Length Within Range

Select this option to decode the symbol with a specific length range. Select lengths using numeric bar codes in ASCII Code. For example, t decode

Code 128 symbols containing between 4 and 12 characters, first scan **Code 128 Length Within Range**. Then scan **0**, **4**, **1,** and **2**.

• Any Length

Select this option to decode the symbol containing any number of characters within the digital scanner’s capability.

Start / End

Code 128 - One Discrete Length

Code 128 - Two Discrete Lengths

Code 128 - Length Within Range

Code 128 - Any Length / DEFAULT

GS1–128 (UCC/EAN-128)



Start / End



Enable GS1-128 Application Identifier



Disable GS1-128 Application Identifier / DEFAULT

Code 39



Start / End



Enable Code 39 / DEFAULT



Disable Code 39

Code 39 - Continued



Start / End



Enable Code 39 Full ASCII



Disable Code 39 Full ASCII / DEFAULT



Transmit Start / Stop Characters



Don't Transmit Start / Stop Characters / DEFAULT

Code 39 - Continued



Start / End



Enable Check Digit Calculation



Disable Check Digit Calculation / DEFAULT



Enable Check Digit Transmission



Disable Check Digit Transmission / DEFAULT

Set Lengths for Code 39

One Discrete Length

Select this option to decode the symbol containing a selected length.

Select the length using the numeric bar codes in ASCII Code. For example, to decode only Code 39 symbols with 14 characters, scan **Code 39 One Discrete Length**, then scan **1** followed by **4**.

● Two Discrete Lengths

Select this option to decode the symbol containing either of two selected lengths. Select lengths using the numeric bar codes in ASCII Code. For example, to decode only Code 39 symbols containing either 2 or 14 characters, select **Code 39 Two Discrete Lengths**, then scan **0**, **2**, **1**, and then **4**.

● Length Within Range

Select this option to decode the symbol with a specific length range.

Select lengths using numeric bar codes in ASCII Code. For example, to decode Code 39 symbols containing between 4 and 12 characters, first scan **Code 39 Length Within Range**. Then scan **0**, **4**, **1,** and **2**.

● Any Length

Select this option to decode the symbol containing any number of characters within the digital scanner's capability.

Start / End

Code 39 - One Discrete Length

Code 39 - Two Discrete Lengths

Code 39 - Length Within Range

Code 39 - Any Length / DEFAULT

Code 93



Start / End



Enable Code 93 / DEFAULT



Disable Code 93

Set Lengths for Code 93

One Discrete Length

Select this option to decode the symbol containing a selected length.

Select the length using the numeric bar codes in ASCII Code. For example, to decode only Code 93 symbols with 14 characters, scan **Code 93 One Discrete Length**, then scan **1** followed by **4**.

● Two Discrete Lengths

Select this option to decode the symbol containing either of two selected lengths. Select lengths using the numeric bar codes in ASCII Code. For example, to decode only Code 93 symbols containing either 2 or 14 characters, select **Code 93 Two Discrete Lengths**, then scan **0**, **2**, **1**, and then **4**.

● Length Within Range

Select this option to decode the symbol with a specific length range.

Select lengths using numeric bar codes in ASCII Code. For example, to decode Code 93 symbols containing between 4 and 12 characters, first scan **Code 93 Length Within Range**. Then scan **0**, **4**, **1,** and **2**.

● Any Length

Select this option to decode the symbol containing any number of characters within the digital scanner's capability.

Start / End

Code 93 - One Discrete Length

Code 93 - Two Discrete Lengths

Code 93 - Length Within Range

Code 93 - Any Length / DEFAULT

Codabar



Start / End



Enable Codabar



Disable Codabar / DEFAULT

Codabar - Continued



Start / End



Enable Check Digit Verification



Disable Check Digit Verification / DEFAULT



Enable Check Digit Transmission



Disable Check Digit Transmission / DEFAULT

Codabar - Continued



Start / End



Transmit Start / Stop Characters



Don't Transmit Start / Stop Characters / DEFAULT

Set Lengths for Codabar

One Discrete Length

Select this option to decode the symbol containing a selected length.

Select the length using the numeric bar codes in ASCII Code. For example, to decode only Codabar symbols with 14 characters, scan **Codabar One Discrete Length**, then scan **1** followed by **4**.

● Two Discrete Lengths

Select this option to decode the symbol containing either of two selected lengths. Select lengths using the numeric bar codes in ASCII Code. For example, to decode only Codabar symbols containing either 2 or 14 characters, select **Codabar Two Discrete Lengths**, then scan **0**, **2**, **1**, and then **4**.

● Length Within Range

Select this option to decode the symbol with a specific length range.

Select lengths using numeric bar codes in ASCII Code. For example, to decode Codabar symbols containing between 4 and 12 characters, first scan **Codabar Length Within Range**. Then scan **0**, **4**, **1,** and **2**.

● Any Length

Select this option to decode the symbol containing any number of characters within the digital scanner's capability.



Start / End



Codabar - One Discrete Length



Codabar - Two Discrete Lengths



Codabar - Length Within Range



Codabar - Any Length / DEFAULT

Interleaved 2 of 5



Start / End



Enable Interleaved 2 of 5 / DEFAULT



Disable Interleaved 2 of 5

Interleaved 2 of 5 - Continued



Start / End



Enable Check Digit Calculation



Disable Check Digit Calculation / DEFAULT



Enable Check Digit Transmission



Disable Check Digit Transmission / DEFAULT

Set Lengths for Interleaved 2 of 5

One Discrete Length

Select this option to decode the symbol containing a selected length.

Select the length using the numeric bar codes in ASCII Code. For example, to decode only Interleaved 2 of 5 symbols with 14 characters, scan **Interleaved 2 of 5 One Discrete Length**, then scan **1** followed by **4**.

• Two Discrete Lengths

Select this option to decode the symbol containing either of two selected lengths. Select lengths using the numeric bar codes in ASCII Code. For example, to decode only Interleaved 2 of 5 symbols containing either 2 or 14 characters, select **Interleaved 2 of 5 Two Discrete Lengths**, then scan **0**, **2**, **1**, and then **4**.

• Length Within Range

Select this option to decode the symbol with a specific length range.

Select lengths using numeric bar codes in ASCII Code. For example, to decode Interleaved 2 of 5 symbols containing between 4 and 12 characters, first scan **Interleaved 2 of 5 Length Within Range**. Then scan **0**, **4**, **1,** and **2**.

• Any Length

Select this option to decode the symbol containing any number of characters within the digital scanner’s capability.

Start / End

Interleaved 2 of 5 - One Discrete Length

Interleaved 2 of 5 - Two Discrete Lengths

Interleaved 2 of 5 - Length Within Range

Interleaved 2 of 5 - Any Length / DEFAULT

MSI



Start / End



Enable MSI



Disable MSI / DEFAULT

MSI - Continued



Start / End



Enable Check Digit Calculation / DEFAULT



Disable Check Digit Calculation



Enable Check Digit Transmission / DEFAULT



Disable Check Digit Transmission

MSI - Continued



Start / End



Check Digit Algorithm - MOD 10 / DEFAULT



Check Digit Algorithm - MOD 10 / MOD 10



Check Digit Algorithm - MOD 10 / MOD 11

Set Lengths for MSI

One Discrete Length

Select this option to decode the symbol containing a selected length.

Select the length using the numeric bar codes in ASCII Code. For example, to decode only MSI symbols with 14 characters, scan **MSI One Discrete Length**, then scan **1** followed by **4**.

● Two Discrete Lengths

Select this option to decode the symbol containing either of two selected lengths. Select lengths using the numeric bar codes in ASCII Code. For example, to decode only MSI symbols containing either 2 or 14 characters, select **MSI Two Discrete Lengths**, then scan **0**, **2**, **1**, and then **4**.

● Length Within Range

Select this option to decode the symbol with a specific length range.

Select lengths using numeric bar codes in ASCII Code. For example, to decode MSI symbols containing between 4 and 12 characters, first scan **MSI Length Within Range**. Then scan **0**, **4**, **1,** and **2**.

● Any Length

Select this option to decode the symbol containing any number of characters within the digital scanner’s capability.



Start / End



MSI - One Discrete Length



MSI - Two Discrete Lengths



MSI - Length Within Range



MSI - Any Length / DEFAULT

Code 32



Start / End



Enable Code 32



Disable Code 32 / DEFAULT

Pharmacode

Start / End

Enable Pharmacode

Disable Pharmacode / DEFAULT

GS1 DataBar 14



Start / End



Enable GS1 DataBar 14 / DEFAULT



Disable DataBar 14

GS1 DataBar 14- Continued



Start / End



Transmit Application Identifier “01” / DEFAULT



Do Not Transmit Application Identifier “01”

GS1 DataBar 14 Stacked



Start / End



Enable GS1 DataBar 14 Stacked / DEFAULT



Disable GS1 DataBar 14 Stacked

GS1 DataBar 14Stacked - Continued



Start / End



Transmit Application Identifier “01” / DEFAULT



Do Not Transmit Application Identifier “01”

GS1 DataBar Expanded



Start / End



Enable GS1 DataBar Expanded / DEFAULT



Disable GS1 DataBar Expanded

GS1 DataBar Expanded - Continued



Start / End



Transmit Application Identifier “01” / DEFAULT



Do Not Transmit Application Identifier “01”

GS1 DataBar Expanded Stacked



Start / End



Enable GS1 DataBar Expanded Stacked / DEFAULT



Disable GS1 DataBar Expanded Stacked

GS1 DataBar Expanded Stacked - Continued



Start / End



Transmit Application Identifier “01” / DEFAULT



Do Not Transmit Application Identifier “01”

GS1 DataBar Limited



Start / End



Enable GS1 DataBar Limited / DEFAULT



Disable GS1 DataBar Limited

GS1 DataBar Limited - Continued



Start / End



Transmit Application Identifier “01” / DEFAULT



Do Not Transmit Application Identifier “01”

GS1 Composite Component A



Start / End



Enable CC-A



Disable CC-A / DEFAULT

GS1 Composite Component B



Start / End



Enable CC-B



Disable CC-B / DEFAULT

GS1 Composite Component C



Start / End



Enable CC-C



Disable CC-C / DEFAULT

PDF417



Start / End



Enable PDF417 / DEFAULT



Disable PDF417

Micro PDF417



Start / End



Enable Micro PDF417



Disable Micro PDF417 / DEFAULT

Data Matrix



Start / End



Enable Data Matrix / DEFAULT



Disable Data Matrix

GS1 Data Matrix



Start / End



Enable GS1 Data Matrix



Disable GS1 Data Matrix
Application Identifier / DEFAULT

QR



Start / End



Enable QR / DEFAULT



Disable QR

QR - Continued



Start / End



Microsoft Office Word - UTF8 / Codepage Keyboard Output



Unicode - UTF8 Keyboard Output / DEFAULT

QR - Continued



Start / End



GB2312 - Microsoft Office Word



GB2312 - QR Keyboard Output

QR - Continued

Start / End

Big 5 - Microsoft Office Word

Big 5 - QR Keyboard Output

QR - Continued



Start / End



Shift JIS - Microsoft Office Word



Shift JIS - QR Keyboard Output

QR - Continued



Start / End



Thai - UTF8 QR Keyboard Output

QR - Continued



Start / End



Russian - UTF8 QR Keyboard Output

QR - Continued



Start / End



Turkish - UTF8 QR Keyboard Output

QR - Continued



Start / End



Italian - UTF8 QR Keyboard Output

QR - Continued



Start / End



German - UTF8 QR Keyboard Output

QR - Continued



Start / End



Arabic - UTF8 QR Keyboard Output

GS1 QR



Start / End



Enable GS1 QR Application Identifier



Disable GS1 QR Application Identifier / DEFAULT

Micro QR



Start / End



Enable Micro QR



Disable Micro QR / DEFAULT

Aztec



Start / End



Enable Aztec



Disable Aztec / DEFAULT

Maxicode



Start / End



Enable Maxicode



Disable Maxicode / DEFAULT

Data Editing

The scan data is transmitted as below format.

Prefix	AIM ID	Scan Data	Suffix

Prefix/Suffix

Six prefixes and/or suffixes can be appended to scan data for use in data editing.

Set a Prefix/Suffix for all codes :

<Scan the **Start** barcode.>

<Set **Prefix**> or <Set **Suffix**>

<Set **All Codes**>

<Set one code of **ASCII Codes** or **Direct Keys** >

<Scan the **End** barcode.>

Set two Prefixes/Suffixes for all codes :

<Scan the **Start** barcode.>

<Set **Prefix**> or <Set **Suffix**>

<Set **All Codes**>

<Set first code of **ASCII Codes** or **Direct Keys** >

<Set second code of **ASCII Codes** or **Direct Keys** >

<Scan the **End** barcode..>

Disable Prefixes/Suffixes for all codes :

<Scan the **Start** barcode.>

<Disable **Prefix**> or <Disable **Suffix**>

<Set **All Codes**>

<Scan the **End** barcode.>

Set Prefix



Start / End



Set Prefix



Disable Prefix / DEFAULT

Set Suffix



Start / End



Set Suffix
(DEFAULT CR for all codes)



Disable Suffix

Set Prefix/Suffix for Codes



Start / End



Set All Codes



Set UPC-A



Set UPC-E

Set Prefix/Suffix for Codes



Start / End



Set EAN 13



Set EAN 8



Set Code 128

Set Prefix/Suffix for Codes



Start / End



Set Code 39



Set Code 93



Set Codabar

Set Prefix/Suffix for Codes



Start / End



Set Interleaved 2 of 5



Set MSI



Set Code 32

Set Prefix/Suffix for Codes



Start / End



Set Pharmacode



Set GS1 DataBar 14



Set GS1 DataBar 14 Stacked

Set Prefix/Suffix for Codes



Start / End



Set GS1 DataBar Expanded



Set GS1 DataBar Expanded Stacked



Set GS1 DataBar Limited

Set Prefix/Suffix for Codes



Start / End



Set CC-A



Set CC-B



Set CC-C

Set Prefix/Suffix for Codes



Start / End



Set PDF417



Set Micro PDF417



Set Data Matrix

Set Prefix/Suffix for Codes



Start / End



Set QR



Set Micro QR



Set Aztec

AIM ID



Start / End



Disable Transmission of AIM ID / DEFAULT



Enable Transmission of AIM ID

Keyboard Caps Lock State



Start / End



Caps Lock Off / DEFAULT



Caps Lock On

Keyboard Function Key Mapping

Enable this to send the keys in bold **(see ASCII Codes**) in place of the standard key mapping. Table entries that do not have a bold entry remain the same whether or not this parameter is enabled



Start / End



Disable Function Key Mapping



Enable Function Key Mapping / DEFAULT

Keyboard Function Key Mapping - Continued



Start / End



Ctrl + ASCII Mode / DEFAULT
Control characters (0x00 - 0x1F) are sent as ASCII sequences.



Alt + Numeric Keypad Mode
Control characters (0x00 - 0x1F) are sent as Unicode code sequences.

Case Conversion



Start / End



Disable / DEFAULT



Convert to Upper Case



Convert to Lower Case

Note: Case Conversion does not affect AIM ID , Prefix , Suffix

Control characters Conversion

Convert Control characters (0x00 - 0x1F) to other keystroke.

Set ASCII value 29 [GS] to #

1. Scan the **Start** barcode.
2. Scan the **GS Conversion** barcode.
3. Scan the **#** barcode from the **ASCII Code** in Appendix A.
4. Scan the **End** barcode.

Disable ASCII value 29 [GS] conversion

1. Scan the **Start** barcode.
2. Scan the **Disable GS Conversion** barcode.
4. Scan the **End** barcode.

Control characters Conversion - Continued



Start / End



NUL Conversion



Disable NUL Conversion



SOH Conversion



Disable SOH Conversion



STX Conversion



Disable STX Conversion



Enable ETX Conversion



Disable ETX Conversion

Control characters Conversion - Continued

Start / End

EOT Conversion

Disable EOT Conversion

ENQ Conversion

Disable ENQ Conversion

ACK Conversion

Disable ACK Conversion

BEL Conversion

Disable BEL Conversion

Control characters Conversion - Continued



Start / End



BS Conversion



Disable BS Conversion



HT Conversion



Disable HT Conversion



LF Conversion



Disable LF Conversion



VT Conversion



Disable VT Conversion

Control characters Conversion - Continued



Start / End



FF Conversion



Disable FF Conversion



CR Conversion



Disable CR Conversion



SO Conversion



Disable SO Conversion



SI Conversion



Disable SI Conversion

Control characters Conversion - Continued

Start / End

DLE Conversion

Disable DLE Conversion

DC1 Conversion

Disable DC1 Conversion

DC2 Conversion

Disable DC2 Conversion

DC3 Conversion

Disable DC3 Conversion

Control characters Conversion - Continued



Start / End



DC4 Conversion



Disable DC4 Conversion



NAK Conversion



Disable NAK Conversion



SYN Conversion



Disable SYN Conversion



ETB Conversion



Disable ETB Conversion

Control characters Conversion - Continued



Start / End



CAN Conversion



Disable CAN Conversion



EM Conversion



Disable EM Conversion



SUB Conversion



Disable SUB Conversion



ESC Conversion



Disable ESC Conversion

Control characters Conversion - Continued



Start / End



FS Conversion



Disable FS Conversion



GS Conversion



Disable GS Conversion



RS Conversion



Disable RS Conversion



US Conversion



Disable US Conversion

Appendix A - ASCII Codes

ASCII (hex)	Serial	Keystroke	
01	SOH	ENTER / **CTRL+A**	
02	STX	F11 / **CTRL+B**	
03	ETX	F12 / **CTRL+C**	

04	EOT	NULL / **CTRL+D**	
The keystroke in bold is sent only if **Function Key Mapping** is enabled. Otherwise, the unbolded keystroke is sent.			

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
05	ENQ	NULL / **CTRL+E**	
06	ACK	NULL / **CTRL+F**	

07	BEL	NULL / **CTRL+G**	
08	BACKSPACE	BACKSPACE	
The keystroke in bold is sent only if **Function Key Mapping** is enabled. Otherwise, the unbolded keystroke is sent.			

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
09	TAB	TAB	

0A	LF	RIGHT / **CTRL+J**	
0B	VT	NULL / **CTRL+K**	
0C	FF	NULL / **CTRL+L**	
The keystroke in bold is sent only if **Function Key Mapping** is enabled. Otherwise, the unbolded keystroke is sent.			

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	

0D	CR	ENTER	
0E	SO	INSERT / **CTRL+N**	
0F	SI	Page Up / **CTRL+O**	
10	DLE	Page Down / **CTRL+P**	
The keystroke in bold is sent only if **Function Key Mapping** is enabled. Otherwise, the unbolded keystroke is sent.			

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
11	DC1	HOME / **CTRL+Q**	
12	DC2	LEFT / **CTRL+R**	
13	DC3	DWON / **CTRL+S**	

14	DC4	Up / **CTRL+T**	
The keystroke in bold is sent only if **Function Key Mapping** is enabled. Otherwise, the unbolded keystroke is sent.			

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
15	NAK	F6 / **CTRL+U**	
16	SYN	F1 / **CTRL+V**	

17	ETB	F2 / **CTRL+W**	
18	CAN	F3 / **CTRL+X**	
The keystroke in bold is sent only if **Function Key Mapping** is enabled. Otherwise, the unbolded keystroke is sent.			

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
19	EM	F4 / **CTRL+Y**	

1A	SUB	F5 / **CTRL+Z**	
1B	ESC	ESC / **CTRL+[**	
1C	FS	F7 / **CTRL+**	
The keystroke in bold is sent only if **Function Key Mapping** is enabled. Otherwise, the unbolded keystroke is sent.			

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	

1D	GS	F8 / **CTRL+]**	
1E	RS	F9 / **CTRL+^**	
1F	US	F10 / **CTRL+_**	
20	SPACE	SPACE	
The keystroke in bold is sent only if **Function Key Mapping** is enabled. Otherwise, the unbolded keystroke is sent.			

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
21	!	!	
22	"	"	
23	#	#	

24	$	$	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
25	%	%	
26	&	&	

27	'	'	
28	(	(	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
29	)	)	

2A	*	*	
2B	+	+	
2C	,	,	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	

2D	-	-	
2E	.	.	
2F	/	/	
30	0	0	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
31	1	1	
32	2	2	
33	3	3	

34	4	4	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
35	5	5	
36	6	6	

37	7	7	
38	8	8	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
39	9	9	

3A	:	:	
3B	;	;	
3C	<	<	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	

3D	=	=	
3E	>	>	
3F	?	?	
40	@	@	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
41	A	A	
42	B	B	
43	C	C	

44	D	D	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
45	E	E	
46	F	F	

47	G	G	
48	H	H	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
49	I	I	

4A	J	J	
4B	K	K	
4C	L	L	
ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	

4D	M	M	
4E	N	N	
4F	O	O	
50	P	P	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
51	Q	Q	
52	R	R	
53	S	S	

54	T	T	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
55	U	U	
56	V	V	

57	W	W	
58	X	X	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
59	Y	Y	

5A	Z	Z	
5B	[	[	
5C	\	\	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	

5D	]	]	
5E	^	^	
5F	_	_	
60	'	'	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
61	a	a	
62	b	b	
63	c	c	

64	d	d	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
65	e	e	
66	f	f	

67	g	g	
68	h	h	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
69	i	i	

6A	j	j	
6B	k	k	
6C	l	l	
ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	

6D	m	m	
6E	n	n	
6F	o	o	
70	p	p	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
71	q	q	
72	r	r	
73	s	s	

74	t	t	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
75	u	u	
76	v	v	

77	w	w	
78	x	x	
ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
79	y	y	

7A	z	z	
7B	{	{	
7C	|	|	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	

7D	}	}	
7E	~	~	

Appendix B - Direct Keys



F1



F2



F3



F4



F5



F6



F7



F8

Direct Keys - Continued



F9



F10



F11



F12

Direct Keys - Continued



INSERT



DELETE



HOME



END

Direct Keys - Continued



Arrow Up



Arrow Down



Arrow Left



Arrow Right

Direct Keys - Continued



CTRL



ALT



SHIFT



Page Up

Direct Keys - Continued



Page Down



ALT+a



ALT+b



ALT+c

Direct Keys - Continued



ALT+d



ALT+e



ALT+f



ALT+g

Direct Keys - Continued



ALT+h



ALT+i



ALT+j



Ctrl+k

Direct Keys - Continued



ALT+l



ALT+m



ALT+n



ALT+o

Direct Keys - Continued



ALT+p



ALT+q



ALT+r



ALT+s

Direct Keys - Continued



ALT+t



ALT+u



ALT+v



ALT+w

Direct Keys - Continued



ALT+x



ALT+y



ALT+z

Appendix C - Digit Number



0



1



2



3



4



5



6



7



8



9

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