

SE3130

USER GUIDE

V1.9

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Factory Defaults



Start / End



Factory Defaults

Custom Defaults



Start / End



Save Custom Defaults



Custom Defaults

Basic Settings

Interface



Start / End



USB Keyboard / DEFAULT



RS232



USB Virtual COM Port

RS232 Baud Rate



Start / End



9600 / DEFAULT



19200



38400



57600

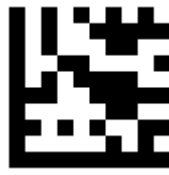


115200



230400

Keyboard Layout



Start / End



U.S. / DEFAULT



Belgium

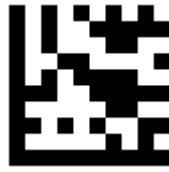


Britain



Croatia

Keyboard Layout - Continued



Start / End



Czech Republic



Denmark

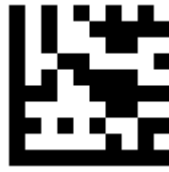


France



Germany

Keyboard Layout - Continued



Start / End



Hungary



Spain

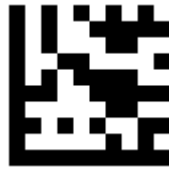


Sweden



Slovakia

Keyboard Layout - Continued



Start / End



Italy



Japan



Norway



Poland

Keyboard Layout - Continued



Start / End



Poland



Portugal



Thailand



Turkish Q

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 aggressiveness decreases. Select the redundancy level appropriate for the bar code quality.

Redundancy Level 1

All code types just read one time.

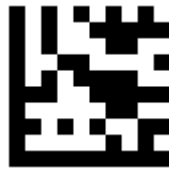
Redundancy Level 2

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



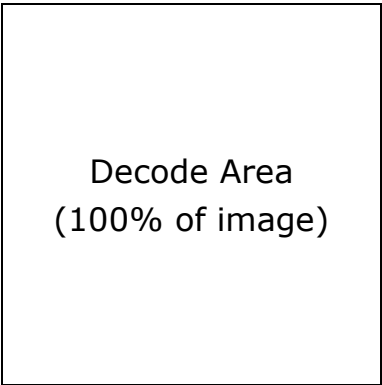
3 times

Decode Area

The scanner offers four settings of decode area.

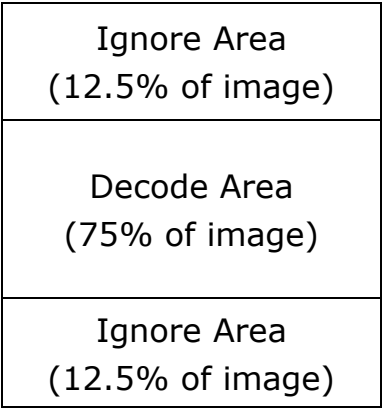
Full size of image

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

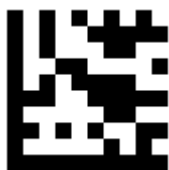
Ignore Area (25% of image)
Decode Area (50% of image)
Ignore Area (25% of image)

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.

Decode Session Timeout - Continued



Start / End



Decode Session Timeout

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 dsiable. The default setting is 300 ms.

Set the decode session timeout to 1,500ms

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.

Timeout between Decodes - Continued



Start / End



Timeout between Decodes

Time to Suspend State

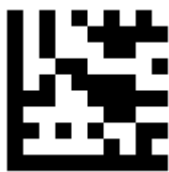
This parameter sets the time to enter to suspend state when the decoder is idle. This feature is only applicable to the **Trigger** and **Continuous** modes.

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 decode session timeout to 2,000ms

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.

Time to Suspend State- Continued



Start / End



Time to Suspend State

Illumination Mode



Start / End



Disable



Enable by trigger / **DEFAULT**

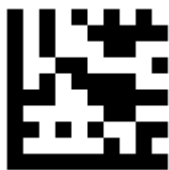


Always On



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



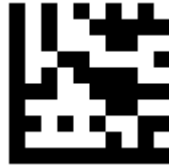
Disable



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

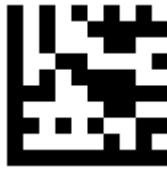


Enable UPC-A / DEFAULT



Disable UPC-A

UPC-A - Continued



Start / End



Enable Number System Transmission / DEFAULT



Disable Number System Transmission

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-E



Start / End

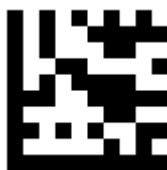


Enable UPC-E / DEFAULT



Disable UPC-E

UPC-E - Continued



Start / End



Include Number System Digit / DEFAULT



Exclude Number System Digit



Send Check Digit / DEFAULT



Don't Send Check Digit

UPC-E - Continued



Start / End

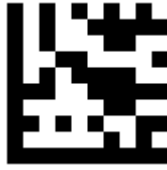


Expand to UPC-A



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

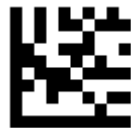
EAN 13



Start / End

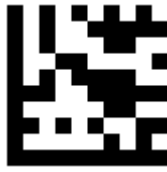


Enable EAN 13 / DEFAULT



Disable EAN 13

EAN 13 - Continued



Start / End



Send Check Digit / DEFAULT



Don't Send Check Digit

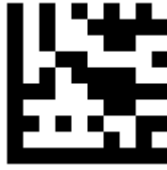


Enable ISBN



Disable ISBN / DEFAULT

EAN 13 - Continued



Start / End

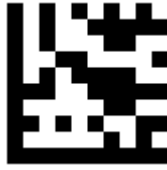


Disable EAN 13 Add-ons / DEFAULT



Enable EAN 13 2/5-Digit Add-ons

EAN 13 - Continued



Start / End

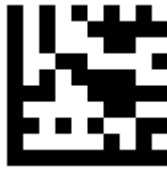


Enable EAN 13 2-Digit Add-ons



Enable EAN 13 5-Digit Add-ons

EAN 8



Start / End

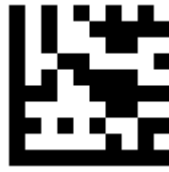


Enable EAN 8 / DEFAULT



Disable EAN 8

EAN 8 - Continued



Start / End



Send Check Digit / DEFAULT



Don't Send Check Digit



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

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 selected lengths. Select lengths using the numeric bar codes in [ASCII Code](#). For 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**.

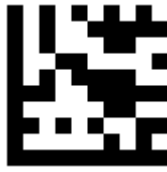
• Length Within Range

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

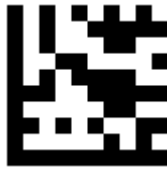


Enable Code 39 / DEFAULT



Disable Code 39

Code 39 - Continued



Start / End



Enable Code 39 Full ASCII



Disable Code 39 Full ASCII / DEFAULT

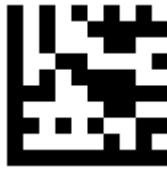


Transmit Start / Stop Characters



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

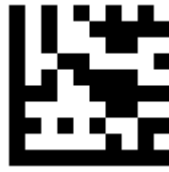


Enable Codabar



Disable Codabar / DEFAULT

Codabar - Continued



Start / End



Enable Check Digit Verification



Disable Check Digit Verification / DEFAULT

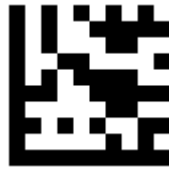


Enable Check Digit Transmission



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

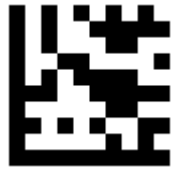


Enable Interleaved 2 of 5 / DEFAULT



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

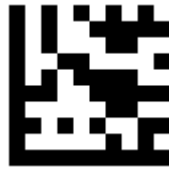


Enable MSI



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**.

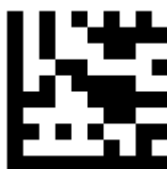
• Length Within Range

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

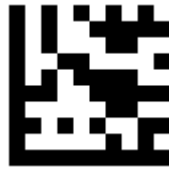


Enable Code 32



Disable Code 32 / DEFAULT

Pharmacode



Start / End

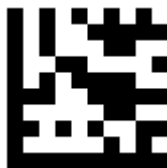


Enable Pharmacode



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 14 Stacked - 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

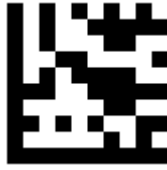


Enable GS1 DataBar Expanded Stacked / DEFAULT



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

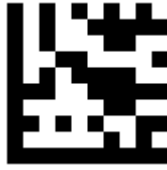


Enable GS1 DataBar Limited / DEFAULT



Disable GS1 DataBar Limited

GS1 DataBar Limited - Continued



Start / End

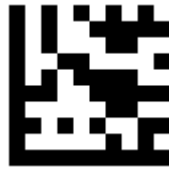


Transmit Application Identifier "01" / DEFAULT



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

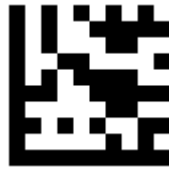


Enable Micro PDF417



Disable Micro PDF417 / DEFAULT

Data Matrix



Start / End

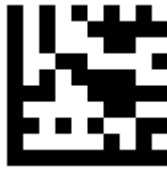


Enable Data Matrix / DEFAULT



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

Note: Numeric keypad (Num Lock) must be enabled for QR output

QR - Continued



Start / End



Microsoft Office Word - UTF8 / **GB2312** Keyboard Output



Unicode - UTF8 / **GB2312** Keyboard Output

Note: Numeric keypad (Num Lock) must be enabled for QR output

QR - Continued



Start / End



Microsoft Office Word - UTF8 / **Big 5** Keyboard Output



Unicode - UTF8 / **Big 5** Keyboard Output

Note: Numeric keypad (Num Lock) must be enabled for QR output

QR - Continued



Start / End



Microsoft Office Word - UTF8 / **874 (Thai)** Keyboard Output



Unicode - UTF8 / **874 (Thai)** Keyboard Output

Note: Numeric keypad (Num Lock) must be enabled for QR output

QR - Continued



Start / End



Microsoft Office Word - UTF8 / **Shift JIS** Keyboard Output



Unicode - UTF8 / **Shift JIS** Keyboard Output

Note: Numeric keypad (Num Lock) must be enabled for QR output

QR - Continued



Start / End



Microsoft Office Word - UTF8 / **Russian** Keyboard Output



Unicode - UTF8 / **Russian** Keyboard Output

Note: Numeric keypad (Num Lock) must be enabled for QR output

GS1 QR



Start / End



Enable GS1 QR Application Identifier



Disable GS1 QR Application Identifier / DEFAULT

Micro QR



Start / End

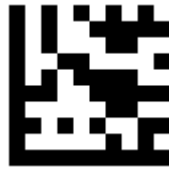


Enable Micro QR



Disable Micro QR / DEFAULT

Aztec



Start / End



Enable Aztec



Disable Aztec / DEFAULT

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

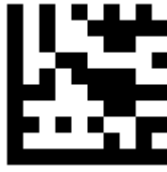


Set Prefix



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

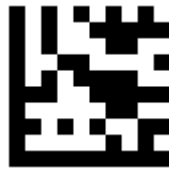


Set UPC-A



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

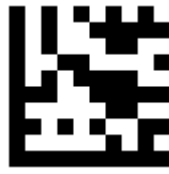


Set GS1 DataBar Expanded Stacked



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

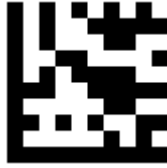


Disable Transmission of AIM ID / DEFAULT



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

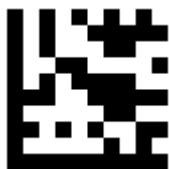


Enable ETX Conversion



Disable ETX Conversion

Control characters Conversion - Continued



Start / End



EOT Conversion



Disable EOT Conversion



ENQ Conversion



Disable ENQ Conversion



ACK Conversion



Disable ACK Conversion

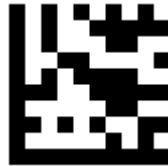


BEL Conversion



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

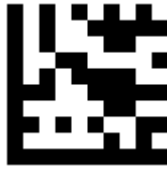


SI Conversion



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

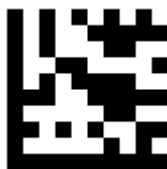


ETB Conversion



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

Direct Keys - Continued



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+I



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

Revision History

Version 1.0

Initial release

Version 1.1

Add settings for Standby Time

Version 1.2

Add settings for Decode Redundancy

Add settings for Decode Area

Version 1.3

Add settings for Illumination

Aiming Pattern

Correct the setting barcode for Disable Prefix

Version 1.4

Add setting for Disable All Codes

Add setting for Only Enable 1D Codes

Add setting for Only Enable 2D Codes

Add setting for Enable All Codes

Add setting for Aztec

Version 1.5

Change the setting barcode for following codes

Interleaved 2 of 5

MSI

Code 32

Pharmacode

PDF417

Micro PDF417

Data Matrix

QR

Micro QR

Aztec

Add settings for following codes

GS1 DataBar 14

GS1 DataBar 14 Stacked

GS1 DataBar Expanded

GS1 DataBar Expanded Stacked

GS1 DataBar Limited

GS1 Composite Component A

GS1 Composite Component B

GS1 Composite Component C

Add settings for GS1-Codes ASCII 29 Conversion

Version 1.6

Add settings for illumination level

Add settings for GS1-Codes ASCII 04 [EOT] Conversion

Add settings for GS1-Codes ASCII 30 [RS] Conversion

Version 1.7

Add settings for Customer Defaults

Add settings for Timeout between Decodes

Add settings for Time to suspend state

Add Ctrl + ASCII Mode for Function Key Mapping

Add Alt + Numeric Keypad Mode for Function Key Mapping

Add settings for Control characters Conversion

Version 1.8

Support Turkish Q Keyboard

Add settings for Sense Mode Sensitivity

Add settings for GS1-128

Add settings for GS1 Data Matrix

Add settings for GS1 QR

Version 1.9

Add settings to enable UPC/EAN 2/5-Digit Add-ons