

DT-6600 & DT-9800

User Guide

V2.0

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Factory Defaults



Start / End

Scanning the following barcode can restore the scanner to the factory defaults



Factory Defaults

Custom Defaults



Start / End

Scanning the **Save as Custom Defaults** barcode can set the current settings as custom defaults.

Scanning the **Restore Custom Defaults** barcode can reset all parameters to the custom defaults.



Save as Custom Defaults



Restore Custom Defaults

Chapter 1 Basic Settings



Start / End

Interface Selection



**** USB Keyboard**



RS232 COM Port



USB Virtual COM Port

Time to Read Same Barcode

To ignore reading barcode when read same barcode in a given period of time. 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 300 ms.

Set the ignore same barcode to 500 ms

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



Start / End



Time to Ignore Same Barcode

Time to Suspend State

This parameter sets the time to enter to suspend state when the decoder is idle. It is programmable in 1ms increments from 0 to 36,00,000 ms. When it is set to 0, the timeout is disable. The default setting is 0 ms.

Set the time to suspend state to 6,000 ms

1. Scan the **Start** barcode.
2. Scan the **Time to Suspend State** barcode
3. Scan the "6", "0", "0" and "0" barcodes from the **Digit Number** in Appendix C.
4. Scan the **End** barcode.



Start / End



Time to Suspend State

Chapter 2 USB Keyboard



Start / End

Emulate ALT+Keypad

When **Emulate ALT+Keypad** is turned on, any character whose ASCII value is greater than or equal to 0x20 is sent over the numeric keypad no matter which keyboard type is selected.



**** Disable**



Enable

Supposing **Emulate ALT+Keypad** is Enable , barcode data "WNA" (87/78/65) is sent as below:

"W" – "ALT Make" + "0087" + "ALT Break"

"N" -- "ALT Make" + "0078" + "ALT Break"

"A" -- "ALT Make" + "0065" + "ALT Break"



Start / End

Keyboard Layout

Keyboard layouts vary from country to country. The default setting is U.S. keyboard.



**** U.S.**



Belgium



Britain



Brazil



Start / End

Keyboard Layout - Continued



Czech Republic



Denmark



France



Germany



Start / End

Keyboard Layout - Continued



Hungary



Italy



Japan



Norway



Start / End

Keyboard Layout - Continued



Poland



Portugal



Romania



Spain



Start / End

Keyboard Layout - Continued



Sweden



Slovakia



Switzerland



Turkish Q



Start / End

Keyboard Layout - Continued



Russia



Vietnam



Start / End

Unicode/Code Page



**** Unicode**



Microsoft Office Word / Codepage



Start / End

Unicode/Code Page - Continued



Big 5 - Unicode



Big 5 - Microsoft Office Word



Start / End

Unicode/Code Page - Continued



GB2312 - Unicode



GB2312 - Microsoft Office Word



Start / End

Unicode/Code Page - Continued



Shift JIS - Unicode



Shift JIS - Microsoft Office Word



Start / End

Unicode/Code Page - Continued



Korean - Unicode



Korean - Microsoft Office Word



Start / End

Unicode/Code Page - Continued



West European Latin



Central and East European Latin



Start / End

Unicode/Code Page - Continued



Arabic



Baltic



Start / End

Unicode/Code Page - Continued



Cyrillic



Hebrew



Start / End

Unicode/Code Page - Continued



Turkish



Greek



Start / End

Unicode/Code Page - Continued



Thai



Vietnamese

Chapter 3 RS-232 Interface



Start / End

RS232 Data Bits



7 data bits



**** 8 data bits**



Start / End

RS232 Parity



**** No Parity**



Odd Parity



Even Parity



Start / End

RS232 Stop Bits



**** 1 Stop bit**



2 Stop bit



Start / End

RS232 Baud Rate



**** 9600**



19200



38400



57600



115200



230400

Chapter 4 Symbologies



Start / End

Enable/Disable All Symbologies



Enable All Symbologies



Disable All Symbologies



Start / End

Enable 1D/2D Symbologies



Enable 1D Symbologies



Enable 2D Symbologies

UPC-A



Start / End

Enable/Disable UPC-A



**** Enable UPC-A**



Disable UPC-A



Start / End

Number System Transmission



**** Enable Number System Transmission**



Disable Number System Transmission



Start / End

Check Digit Transmission



**** Send Check Digit**



Don't Send Check Digit



Start / End

Expand UPC-A to EAN13



**** Don't Expand to EAN13**



Expand to EAN13



Start / End

UPC-A 2/5-Digit Add-ons



**** Disable UPC-A Add-ons**



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



Start / End

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



Enable UPC-A 2-Digit Add-ons



Enable UPC-A 5-Digit Add-ons



Start / End

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

When **UPC-A Add-ons Only** is selected, the scanner will only read UPC-A barcodes that contain add-on codes.



**** Disable UPC-A Add-ons Only**



Enable UPC-A Add-ons Only

UPC-E



Start / End

Enable/Disable UPC-E



**** Enable UPC-E**



Disable UPC-E



Start / End

Number System Transmission



**** Enable Number System Transmission**



Disable Number System Transmission



Start / End

Check Digit Transmission



**** Send Check Digit**



Don't Send Check Digit



Start / End

Expand UPC-E to UPC-A



**** Don't Expand to UPC-A**



Expand to UPC-A



Start / End

UPC-E 2/5-Digit Add-ons



**** Disable UPC-E Add-ons**



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



Start / End

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



Enable UPC-E 2-Digit Add-ons



Enable UPC-E 5-Digit Add-ons



Start / End

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

When **UPC-E Add-ons Only** is selected, the scanner will only read UPC-A barcodes that contain add-on codes.



**** Disable UPC-E Add-ons Only**



Enable UPC-E Add-ons Only

EAN 13



Start / End

Enable/Disable EAN 13



**** Enable EAN 13**



Disable EAN 13



Start / End

Check Digit Transmission



**** Send Check Digit**



Don't Send Check Digit



Start / End

ISBN



**** Disable ISBN**



Enable ISBN



Start / End

EAN 13 2/5-Digit Add-ons



**** Disable EAN 13 Add-ons**



Enable EAN 13 2/5-Digit Add-ons



Start / End

EAN 13 2/5-Digit Add-ons - Continued



Enable EAN 13 2-Digit Add-ons



Enable EAN 13 5-Digit Add-ons



Start / End

EAN 13 2/5-Digit Add-ons - Continued

When **EAN 13 Add-ons Only** is selected, the scanner will only read UPC-A barcodes that contain add-on codes.



**** Disable EAN 13 Add-ons Only**



Enable EAN 13 Add-ons Only

EAN 8



Start / End

Enable/Disable EAN 8



**** Enable EAN 8**



Disable EAN 8



Start / End

Check Digit Transmission



**** Send Check Digit**



Don't Send Check Digit



Start / End

Expand EAN 8 to EAN 13



**** Don't Expand to EAN 13**



Expand to EAN 13



Start / End

EAN 8 2/5-Digit Add-ons



**** Disable EAN 8 Add-ons**



Enable EAN 8 2/5-Digit Add-ons



Start / End

EAN 8 2/5-Digit Add-ons - Continued



Enable EAN 8 2-Digit Add-ons



Enable EAN 8 5-Digit Add-ons



Start / End

EAN 8 2/5-Digit Add-ons - Continued

When **EAN 8 Add-ons Only** is selected, the scanner will only read UPC-A barcodes that contain add-on codes.



**** Disable EAN 8 Add-ons Only**



Enable EAN 8 Add-ons Only

Code 128 / GS1-128



Start / End

Enable/Disable Code 128 / GS1-128



**** Enable Code 128 / GS1-128**



Disable Code 128 / GS1-128



Start / End

GS1-128 AIM ID



Transmit GS1-128 AIM ID



**** Do Not Transmit GS1-128 AIM ID**

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

Set Lengths for Code 128 - Continued



One Discrete Length



Two Discrete Lengths



Length Within Range



**** Any Length**

Code 39



Start / End

Enable/Disable Code 39



**** Enable Code 39**



Disable Code 39



Start / End

Code 39 Full ASCII



**** Disable Code 39 Full ASCII**



Enable Code 39 Full ASCII



Start / End

Check Character Calculation



**** Disable Check Char Calculation**



Enable Check Char Calculation



Start / End

Check Character Transmission



**** Disable Check Char Transmission**



Enable Check Char Transmission



Start / End

Start / Stop Character



**** Don't Transmit Start / Stop Character**



Transmit Start / Stop Character

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

Set Lengths for Code 39 - Continued



One Discrete Length



Two Discrete Lengths



Length Within Range



**** Any Length**

Code 32



Start / End

Enable/Disable Code 32



Enable Code 32



**** Disable Code 32**



Start / End

Start / Stop Character



**** Don't Transmit Start / Stop Character**



Transmit Start / Stop Character

Code 93



Start / End

Enable/Disable Code 93



**** Enable Code 93**



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

Set Lengths for Code 93 - Continued



One Discrete Length



Two Discrete Lengths



Length Within Range



**** Any Length**

Pharmacode



Start / End

Enable/Disable Pharmacode



Enable Pharmacode



**** Disable Pharmacode**

Codabar



Start / End

Enable/Disable Codabar



**** Enable Codabar**



Disable Codabar



Start / End

Check Character Verification



**** Disable Check Char Verification**



Enable Check Char Verification



Start / End

Check Character Transmission



**** Disable Check Char Transmission**



Enable Check Char Transmission



Start / End

Start / Stop Characters



Transmit Start / Stop Characters



**** Don't Transmit Start / Stop Characters**

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

Set Lengths for Codabar - Continued



One Discrete Length



Two Discrete Lengths



Length Within Range



**** Any Length**

MSI



Start / End

Enable/Disable MSI



Enable MSI



**** Disable MSI**



Start / End

Check Character Calculation



**** Enable Check Char Calculation**



Disable Check Char Calculation



Start / End

Check Character Transmission



**** Enable Check Char Transmission**



Disable Check Char Transmission



Start / End

Check Character Algorithm



**** MOD 10**



MOD 10 / MOD 10



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

Set Lengths for MSI - Continued



One Discrete Length



Two Discrete Lengths



Length Within Range



**** Any Length**

Interleaved 2 of 5



Start / End

Enable/Disable Interleaved 2 of 5



**** Enable Interleaved 2 of 5**



Disable Interleaved 2 of 5



Start / End

Check Character Calculation



**** Disable Check Char Calculation**



Enable Check Char Calculation



Start / End

Check Character Transmission



**** Disable Check Char Transmission**



Enable Check Char Transmission



Start / End

Decode Redundancy

The lengths of code are 8 characters or less must be successfully read twice before being decoded.



**** Disable Decode Redundancy**



Enable Decode Redundancy

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

Set Lengths for Interleaved 2 of 5 - Continued



One Discrete Length



Two Discrete Lengths



Length Within Range



**** Any Length**

GS1 DataBar 14



Start / End

Enable/Disable GS1 DataBar 14



**** Enable GS1 DataBar 14**





Start / End

Application Identifier Transmission



**** Enable Application Identifier "01" Transmission**



Disable Application Identifier "01" Transmission

GS1 DataBar 14 Stacked



Start / End

Eeable/Disable GS1 DataBar 14 Stacked



**** Enable GS1 DataBar 14 Stacked**



Disable GS1 DataBar 14 Stacked



Start / End

Application Identifier Transmission



**** Enable Application Identifier "01" Transmission**



Disable Application Identifier "01" Transmission

GS1 DataBar Expanded



Start / End

Enable/Disable GS1 DataBar Expanded



**** Enab GS1 DataBar Expanded**



Disable GS1 DataBar Expanded



Start / End

Application Identifier Transmission



**** Enable Application Identifier "01" Transmission**



Disable Application Identifier "01" Transmission

GS1 DataBar Expanded Stacked



Start / End

Enable/Disable GS1 DataBar Expanded Stacked



**** Enable GS1 DataBar Expanded Stacked**



Disable GS1 DataBar Expanded Stacked



Start / End

Application Identifier Transmission



**** Enable Application Identifier "01" Transmission**



Disable Application Identifier "01" Transmission

GS1 DataBar Limited



Start / End

Enable/Dsiable GS1 DataBar Limited



**** Enable GS1 DataBar Limited**



Disable GS1 DataBar Limited



Start / End

Application Identifier Transmission



**** Enable Application Identifier "01" Transmission**



Disable Application Identifier "01" Transmission

PDF417



Start / End

Enable/Disable PDF417



**** Enable PDF417**



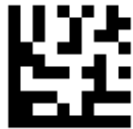
Disable PDF417

Micro PDF417



Start / End

Enable/Disable Micro PDF417



Enable Micro PDF417



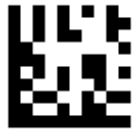
**** Disable Micro PDF417**

Data Matrix



Start / End

Enable/Disable Data Matrix



**** Enable Data Matrix**



Disable Data Matrix



Start / End

GS1 Data Matrix AIM ID



Transmit GS1 Data Matrix AIM ID



**** Do Not Transmit GS1 Data Matrix AIM ID**

QR



Start / End

Enable/Disable QR



**** Enable QR**



Disable QR



Start / End

GS1 QR AIM ID



Transmit GS1 QR AIM ID



**** Do Not Transmit GS1 QR AIM ID**

Micro QR



Start / End

Enable/Disable Micro QR



Enable Micro QR



**** Disable Micro QR**

Aztec



Start / End

Enable/Disable Aztec



Enable Aztec



**** Disable Aztec**

MaxiCode



Start / End

Enable/Disable MaxiCode



Enable MaxiCode



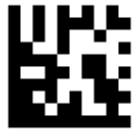
**** Disable MaxiCode**

DotCode



Start / End

Enable/Disable DotCode



Enable DotCode



**** Disable DotCode**



Start / End

GS1 DotCode AIM ID



Transmit GS1 DotCode AIM ID



**** Do Not Transmit GS1 DotCode AIM ID**

Chapter 5 Data Editing

Data Format

The scan data is transmitted as below format.

Prefix	AIM ID	Scan Data	Suffix
--------	--------	-----------	--------

Prefix/Suffix

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

Example:

Set two Prefixes/Suffixes for all codes

<Enter programming Mode>
<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** >
<Exit programming Mode>

Disable Prefixes/Suffixes for all codes

<Enter programming Mode>
<Disable Prefix> or <Disable Suffix>
<Set All Codes>
<Exit programming Mode>



Start / End

Set Prefix - Continued



Set Prefix



**** Disable Prefix**



Start / End

Set Suffix - Continued



Set Suffix
(Default CR for all codes)



Disable Suffix



Start / End

Set Data for Codes



Set All Codes



UPC-A



UPC-E



EAN 13



Start / End

Set Data for Codes - Continued



EAN 8



Code 128



Code 39



Code 93



Start / End

Set Data for Codes - Continued



Code 32



Pharmacode



Codabar



MSI



Start / End

Set Data for Codes - Continued



Interleaved 2 of 5



GS1 DataBar 14



GS1 DataBar 14 Stacked



GS1 DataBar Expanded



Start / End

Set Data for Codes - Continued



GS1 DataBar Expanded Stacked



GS1 DataBar Limited



PDF417



Micro PDF417



Start / End

Set Data for Codes - Continued



Data Matrix



QR



Micro QR



Aztec



Start / End

Set Data for Codes - Continued



MaxiCode



DotCode



Start / End

AIM ID



**** Disable Transmission of AIM ID**



Enable Transmission of AIM ID



Start / End

Keyboard Function Key Mapping

Ctrl + ASCII Mode:

Control Characters (0x00 - 0x1F) are sent as ASCII sequences.

Alt + Numeric Keypad Mode:

Control Characters (0x00 - 0x1F) are sent as Unicode code sequences.



**** Ctrl + ASCII Mode**



Alt + Numeric Keypad Mode



Start / End

Keyboard Caps Lock State



**** Caps Lock Off**



Caps Lock On
Non-Japanese Keyboard



Caps Lock On
Japanese Keyboard



Start / End

Case Conversion



**** Disable**



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.



Start / End

Control Characters Conversion - Continued



NUL Conversion



Disable NUL Conversion



SOH Conversion



Disable SOH Conversion



Start / End

Control Characters Conversion - Continued



STX Conversion



Disable STX Conversion



ETX Conversion



Disable ETX Conversion



Start / End

Control Characters Conversion - Continued



EOT Conversion



Disable EOT Conversion



ENQ Conversion



Disable ENQ Conversion



Start / End

Control Characters Conversion - Continued



ACK Conversion



Disable ACK Conversion



BEL Conversion



Disable BEL Conversion



Start / End

Control Characters Conversion - Continued



BS Conversion



Disable BS Conversion



HT Conversion



Disable HT Conversion



Start / End

Control Characters Conversion - Continued



LF Conversion



Disable LF Conversion



VT Conversion



Disable VT Conversion



Start / End

Control Characters Conversion - Continued



FF Conversion



Disable FF Conversion



CR Conversion



Disable CR Conversion



Start / End

Control Characters Conversion - Continued



SO Conversion



Disable SO Conversion



SI Conversion



Disable SI Conversion



Start / End

Control Characters Conversion - Continued



DLE Conversion



Disable DLE Conversion



DC1 Conversion



Disable DC1 Conversion



Start / End

Control Characters Conversion - Continued



DC2 Conversion



Disable DC2 Conversion



DC3 Conversion



Disable DC3 Conversion



Start / End

Control Characters Conversion - Continued



DC4 Conversion



Disable DC4 Conversion



NAK Conversion



Disable NAK Conversion



Start / End

Control Characters Conversion - Continued



SYN Conversion



Disable SYN Conversion



ETB Conversion



Disable ETB Conversion



Start / End

Control Characters Conversion - Continued



CAN Conversion



Disable CAN Conversion



EM Conversion



Disable EM Conversion



Start / End

Control Characters Conversion - Continued



SUB Conversion



Disable SUB Conversion



ESC Conversion



Disable ESC Conversion



Start / End

Control Characters Conversion - Continued



FS Conversion



Disable FS Conversion



GS Conversion



Disable GS Conversion



Start / End

Control Characters Conversion - Continued



RS Conversion



Disable RS Conversion



US Conversion



Disable US Conversion

Appendix A - ASCII Codes

ASCII (hex)	Serial	Keystroke	
00	NUL	Ctrl + @ / Alt + 000	
01	SOH	Ctrl + a / Alt + 001	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled.
Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
02	STX	Ctrl + b / Alt + 002	
03	ETX	Ctrl + c / Alt + 003	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled. Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
04	EOT	Ctrl + d / Alt + 004	
05	ENQ	Ctrl + e / Alt + 005	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled. Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
06	ACK	Ctrl + f / Alt + 006	
07	BEL	Ctrl + g / Alt + 007	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled.
Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
08	BACKSPACE	BACKSPACE	
09	TAB	TAB	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled.
Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
0A	LF	Ctrl + j / Alt + 010	
0B	VT	Ctrl + k / Alt + 011	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled. Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
0C	FF	Ctrl + I / Alt + 012	
0D	CR	ENTER	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled.
Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
0E	SO	Ctrl + n / Alt + 014	
0F	SI	Ctrl + o / Alt + 015	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled. Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
10	DLE	Ctrl + p / Alt + 016	
11	DC1	Ctrl + q / Alt + 017	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled. Otherwise, the unbolded keystroke is sent.

Appendix A - ASCII Codes

ASCII (hex)	Serial	Keystroke	
12	DC2	Ctrl + r / Alt + 018	
13	DC3	Ctrl + s / Alt + 019	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled. Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
14	DC4	Ctrl + t / Alt + 020	
15	NAK	Ctrl + u / Alt + 021	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled.
Otherwise, the unbolded keystroke is sent.

Appendix A - ASCII Codes

ASCII (hex)	Serial	Keystroke	
16	SYN	Ctrl + v / Alt + 022	
17	ETB	Ctrl + w / Alt + 023	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled.
Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
18	CAN	Ctrl + x / Alt + 024	
19	EM	Ctrl + y / Alt + 025	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled. Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
1A	SUB	Ctrl + z / Alt + 026	
1B	ESC	CTRL+[/ Alt + 027	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled. Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
1C	FS	CTRL+\ / Alt + 028	
1D	GS	Ctrl +] / Alt + 029	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled.
Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
1E	RS	Ctrl + ^ / Alt + 030	
1F	US	Ctrl + _ / Alt + 031	

The keystroke in bold is sent only if **Ctrl + ASCII Mode** is enabled.
Otherwise, the unbolded keystroke is sent.

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
20	SPACE	SPACE	
21	!	!	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
22	"	"	
23	#	#	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
24	\$	\$	
25	%	%	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
26	&	&	
27	'	'	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
28	(	(	
29	)	)	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
2A	*	*	
2B	+	+	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
2C	,	,	
2D	-	-	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
2E	.	.	
2F	/	/	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
30	0	0	
31	1	1	

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

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
34	4	4	
35	5	5	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
36	6	6	
37	7	7	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
38	8	8	
39	9	9	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
3A	:	:	
3B	;	;	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
3C	<	<	
3D	=	=	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
3E	>	>	
3F	?	?	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
40	@	@	
41	A	A	

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

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
44	D	D	
45	E	E	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
46	F	F	
47	G	G	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
48	H	H	
49	I	I	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
4A	J	J	
4B	K	K	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
4C	L	L	
4D	M	M	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
4E	N	N	
4F	O	O	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
50	P	P	
51	Q	Q	

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

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
54	T	T	
55	U	U	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
56	V	V	
57	W	W	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
58	X	X	
59	Y	Y	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
5A	Z	Z	
5B	[	[	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
5C	\	\	
5D	]	]	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
5E	^	^	
5F	_	_	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
60	'	'	
61	a	a	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
62	b	b	
63	c	c	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
64	d	d	
65	e	e	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
66	f	f	
67	g	g	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
68	h	h	
69	i	i	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
6A	j	j	
6B	k	k	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
6C			
6D	m	m	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
6E	n	n	
6F	o	o	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
70	p	p	
71	q	q	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
72	r	r	
73	s	s	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
74	t	t	
75	u	u	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
76	v	v	
77	w	w	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
78	x	x	
79	y	y	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
7A	z	z	
7B	{	{	

ASCII Codes - Continued

ASCII (hex)	Serial	Keystroke	
7C			
7D	}	}	

ASCII Codes - Continued			
ASCII (hex)	Serial	Keystroke	
7E	~	~	
7F		DELETE	

Appendix B - Direct Keys



F1



F2



F3



F4



F5



F6

Direct Keys - Continued



F7



F8



F9



F10



F11



F12

Direct Keys - Continued



INSERT



DELETE



HOME



END



Arrow Up



Arrow Down

Direct Keys - Continued



Arrow Left



Arrow Right



CTRL



ALT



SHIFT



Page Up

Direct Keys - Continued



Page Down



ALT+a



ALT+b



ALT+c



ALT+d



ALT+e

Direct Keys - Continued



ALT+f



ALT+g



ALT+h



ALT+i



ALT+j



Ctrl+k

Direct Keys - Continued



ALT+l



ALT+m



ALT+n



ALT+o



ALT+p



ALT+q

Direct Keys - Continued



ALT+r



ALT+s



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

Appendix C - Digit Number



6



7



8



9

Revision History

Version 1.0

- Initial release

Version 1.1

- Added settings for Standby Time

Version 1.2

- Added Shift JIS Keyboard Output for QR

Version 1.3

- Correct the setting barcode for Disable Prefix

Version 1.4

- Added setting for Disable All Codes
- Added setting for Only Enable 1D Codes
- Added setting for Only Enable 2D Codes
- Added setting for Enable All Codes

Version 1.5

- Added setting for Turkish Q keyboard
- Added settings for Custom Defaults
- Added settings for GS1-128
- Added settings for GS1 Data Matrix
- Added settings for GS1 QR
- Added settings for GS1 DataBar 14
- Added settings for GS1 DataBar Expanded
- Added settings for GS1 DataBar Limited
- Added settings for Function Key Mapping

Control characters (0x00 - 0x1F) are sent as ASCII sequences

Control characters (0x00 - 0x1F) are sent as Unicode code

Version 1.6

- Added setting for Aztec
- Added setting for Brazil keyboard
- Added following settings for 2/5-Digit Add-ons
 - Enable/Disable UPC-A 2/5-Digit Add-ons Only
 - Enable/Disable UPC-E 2/5-Digit Add-ons Only
 - Enable/Disable EAN 13 2/5-Digit Add-ons Only
 - Enable/Disable EAN 8 2/5-Digit Add-ons Only
- Added following settings for UTF8 QR Keyboard Output
 - Turkish ; Italian ; German Support the setting for Time to Suspend State
- Support the setting for Time to Ignore Same Barcode
- Update the settings for Prefix/Suffix
- Support the settings for Control Characters Conversion

Version 1.7

- Added setting for MaxiCode
- Added setting for Arabic - UTF8 QR Keyboard Output

Version 1.8

- Added setting for Russia keyboard
- Added setting for Brazil - UTF8 QR Keyboard Output

Version 1.9

- Added Emulate ALT+Keypad setting
- Added Caps Lock On setting for Japanese Keyboard
- Added following settings for code page

West European Latin

Central and East European Latin

Cyrillic

Hebrew

Greek

Vietnamese

Korean

- Corrected documentation errors for code 39 settings

Version 2.0

- Added **Decode Redundancy** for Interleaved 2 of 5
- Corrected documentation errors for **Keyboard Function Key Mapping**.
- Corrected documentation errors for Control Characters (0x00 - 0x1F) in Appendix A - ASCII Codes