

Programming Guide

Advanced 2D Image Scanner

This Programming Guide is intended for:

- 2D Image Hands-Free Scanner: Z-6012GT

Revision History

Changes to the original manual are listed below:

Version	Date	Description of Version
1.0	2023-10-6	Initial release
1.1	2025-8-29	Changed “Disable stripping Start and Stop characters” function to default

Important Notice

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General Handling Precautions

Do not dispose the scanner in fire.
Do not put the scanner directly in the sun or by any heat source.
Do not use or store the scanner in a very humid place.
Do not drop the scanner or allow it to collide violently with other objects.
Do not take the scanner apart without authorization

Guidance for Printing

This manual is in A5 size. Please double check your printer setting before printing it out. When the barcodes are to be printed out for programming, the use of a high-resolution laser printer is strongly suggested for the best scan result.

Firmware Notice

To use all functions in this guide please update to the latest firmware.

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Default Parameters

The factory default setting table gives the default settings of all the programmable parameters. The default settings will be restored whenever the "Reset" programming label is scanned and the scanner is in programming mode. Default values are highlighted in grey background in the settings.

Factory Default Setting

Scanner Operation

User Preferences	
Parameter	Default
Baud Rate	9600 BPS
Interface	USB Keyboard
Good read beep length	50 msec
Terminal character	CR
Country code	US

Symbologies

Symbology	Default
UPC-A	Enable
UPC-E	Disable
EAN-8	Enable
EAN 13	Enable
JAN code for Books	Disable
Code 128	Enable
Code 39	Enable
Code 93	Enable
Code 32	Disable
Code 11	Disable
Codabar	Enable
Plessey	Enable
MSI/Plessey	Disable
Interleaved 2 of 5	Enable
IATA 2 of 5	Disable
Matrix 2 of 5	Disable
Straight 2 of 5	Disable
RSS 14	Enable
RSS Expanded	Enable
RSS Limited	Enable
Component CC-A	Disable
Component CC-B	Disable
Component CC-C	Disable
PDF417	Enable
Micro PDF417	Enable
Data Matrix	Enable
QR Code	Enable
Micro QR Code	Enable
GS1-2D AIM ID	Disable
GS1-128 AIM ID	Disable
GS1 DataBar Expanded Stacked	Disable
GS1 DataBar 14 Stacked	Disable
Aztec	Disable
MaxiCode	Disable

Using the Scanner

Beeper Indication

Beeps	Indication
3 beeps in a series from low to high pitch	Power up
1 short beep	A barcode has been successfully decoded
2 short beeps	The scanner has entered program mode
1 long beep	A setting has been programmed
3 beeps in a series from low to high pitch	The scanner has exited program mode
3 short beeps	Error setting the scanner

LED Indication

LED	Indication
1 Red flash	A barcode has been successfully decoded.
Steady Blue	Scanner is in work mode.
Red and blue slow interchange	Scanner is in standby.
Red and blue quick interchange	Scanner is updating.
Steady purple	Scanner is in mobile phone mode.

Settings and Programming

Scan selected barcodes in this manual to affect setup and programming of your 2D image barcode scanner. Decoding options and interface protocols can be tailored to a specific application.

Setup parameters are stored in non-volatile memory in the scanner and are retained even when power is off. Setup parameters change only when you reset them. You may need to hide adjacent code patches with your hand when scanning.

Program Set Up Flow

Scan "Set" to set up --> Scan selected barcode --> Scan "End" to confirm the setup.

User Preferences

Show Version

Scan this barcode to display firmware version.



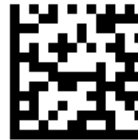
Read device information

System Settings

Scan this barcode to return all parameters to the default values.



Set



Factory default settings



End

Customer's Factory Default

Scan barcodes below to set or delete customer's factory default.



Set



Save customer's factory default



Delete customer's factory default



End

Scan Mode

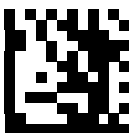
Scan a barcodes below to set the scanner to different modes.

Auto Scan Mode: In this mode, the scanner's illumination LED is turned off. Once an approaching object is detected, the scanner will turn on the illumination LED and start scanning.

Continue Scan Mode: The scanner always turns on its illumination LED for continuous operation without triggering.

Presentation Mode: Under this mode, the scanner keeps its illumination LED lighting on and continuously looks for any object approaching in. Once an approaching object is detected, the scanner starts scanning.

Kiosk Mode: In this mode, the scanner turns off the illumination LED and continuously looks for any object approaching in. Once an approaching object is detected, the scanner starts scanning, and the illumination LED will flash once if decoding complete.



Set



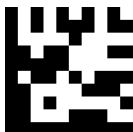
Auto Scan Mode (Default)



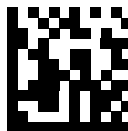
Continue Scan Mode



Presentation Mode



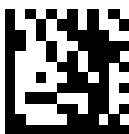
Kiosk Mode



End

Standby Time

Use the barcodes below to set the standby time for the applicable mode.



Set



15 seconds



1 minute



3 minutes



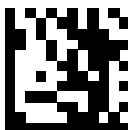
5 minutes (Default)



10 minutes



End



Set



15 minutes



20 minutes



25 minutes



30 minutes



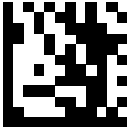
Never



End

Same Code Delay Time for Continue Mode

Scan a barcode below to select the duration of the delay time for the applicable mode.



Set



300 msec



500 msec (Default)



1 sec



1.5 sec



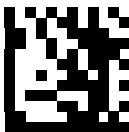
2 sec



End

Decode Time

Set the time required for decoding.



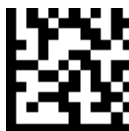
Set



Short (Default)



Medium



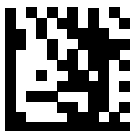
Long



End

Customization Gain Level

Set gain level for captured image quality. When the light is low, the higher gain level can enhance the captured image quality for better scanning performance.



Set



Level 1 (Low)



Level 2



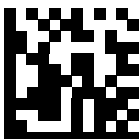
Level 3



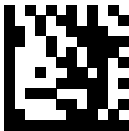
Level 4 (Default)



Level 5



End



Set



Level 6



Level 7



Level 8



Level 9



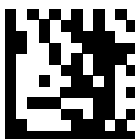
Level 10



End

Motion Detect Sensibility for Auto Scan Mode & Presentation Mode

Set the motion detection sensibility level. The higher the level the more sensitive the condition becomes.



Set



Level 1 (High)



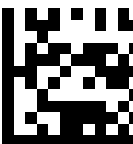
Level 2



Level 3



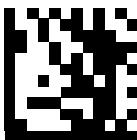
Level 4



Level 5 (Default)



End



Set



Level 6



Level 7



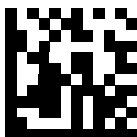
Level 8



Level 9



Level 10

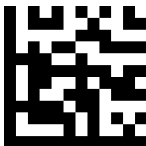


End

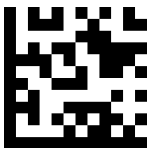
Idle Wake Sensibility Level



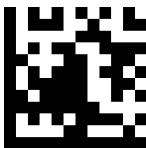
Set



Level 1 (Low)



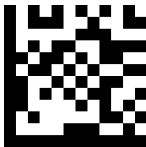
Level 2



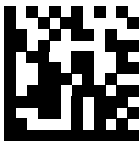
Level 3



Level 4 (Default)



Level 5



End



Set



Level 6



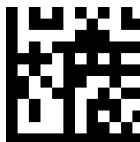
Level 7



Level 8



Level 9



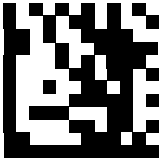
Level 10



End

Illumination LED Behavior

Set illumination behavior when device is in standby.



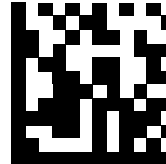
Set



Illumination LED Standby On



Illumination LED Standby Off
(Default)

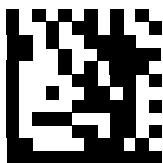


End

- Illumination LED Standby On: LED on when in standby mode.
- Illumination LED Standby Off (Default): LED off when in standby mode.

Decoded Illumination LED Behavior for Kiosk Mode

Set illumination behavior when the device decodes successfully.



Set



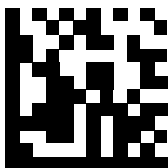
High



Low
(Default)



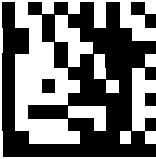
Off



End

Decoded delay time for Auto Scan Mode

Set the delay time after a barcode has been read before scanning the next barcode.



Set



Disable (Default)



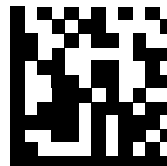
400 ms



800 ms



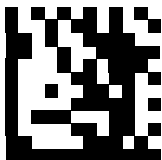
1.2 Sec



End

Mobile Phone Scan Support

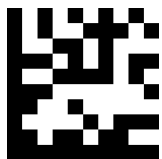
Enable or disable mobile phone scan support.



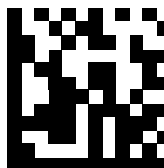
Set



Enable



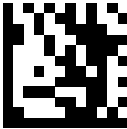
Disable (Default)



End

Power Up Beep On/ Off

Scan a barcode below to turn on/off power up beep.



Set



On (Default)



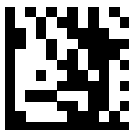
Off



End

Good Read Beep On/ Off

Scan a barcode below to turn on/off good read beep.



Set



On (Default)



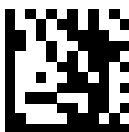
Off



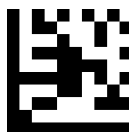
End

Good Read Beep Length

Scan a barcode below to select the duration of the beep signal after a good decode.



Set



10 msec



50 msec (Default)



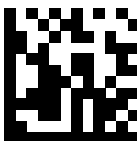
100 msec



150 msec



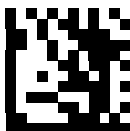
200 msec



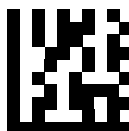
End

Interface Switch

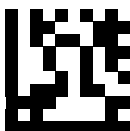
Your 2D Imager supports interfaces such as USB HID, RS232 serial, and USB virtual COM. To switch the interface, simply select the appropriate cable and configure the proper interface by following interface selection.



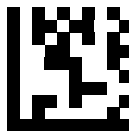
Set



RS-232



USB Keyboard



USB Virtual COM Port

*Driver required

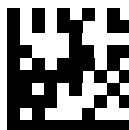


End

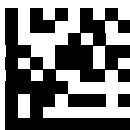
Terminal Character



Set

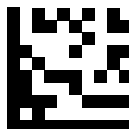


None



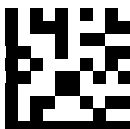
CR/LF

(V-COM & RS-232 Default)

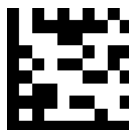


CR

(HID Default)



TAB



LF



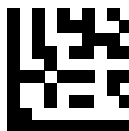
End

RS232 Baud Rate

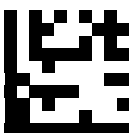
Baud rate is the number of bits of data transmitted per second. Set the imager's baud rate to match the baud rate setting of the host device. Otherwise, data may not reach the host device or may reach it in distorted form.



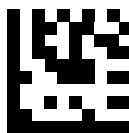
Set



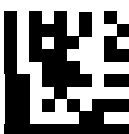
9600 (Default)



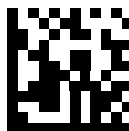
19200



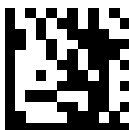
38400



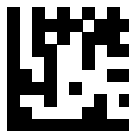
57600



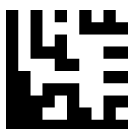
End



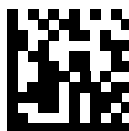
Set



115200



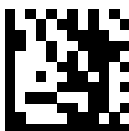
230400



End

RS232 Parity Bit

Parity bit can be added to ensure the total number of the string is even or odd.



Set



None (Default)



Even parity



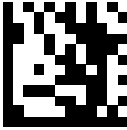
Odd parity



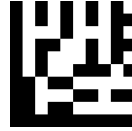
End

RS232 Stop Bit

Stop bit is used to signal the end of a transmission.



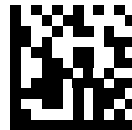
Set



1 Stop Bit (Default)



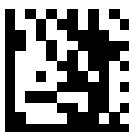
2 Stop Bit



End

RS232 Data Bit

Data bit sets the word length at 7 or 8 bits of data per character.



Set



CS7



CS8 (Default)



End

USB Speed

Scan a barcode below to set USB speed.



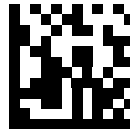
Set



USB 2.0



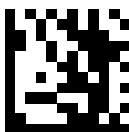
USB 1.1 (Default)



End

USB Output Speed for USB 1.1

Scan a barcode below to set USB 1.1 output speed.



Set



1 (Fastest)



2



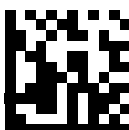
3



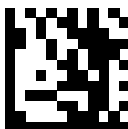
4 (Default)



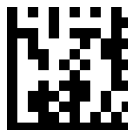
5



End



Set



6



7



8



9



10



End



Set



11



12



13



14



15



16 (Slowest)



End

Country Code

Scann the following settings to change the country code.



Set



US (Default)



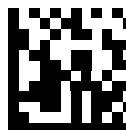
Belgium



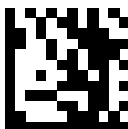
Britain



Denmark



End



Set



France



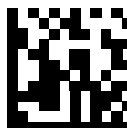
Germany



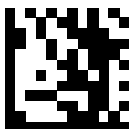
Italy



Norway



End



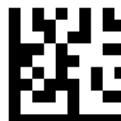
Set



Portugal



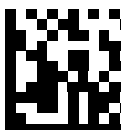
Spain



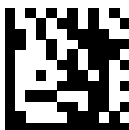
Sweden



Switzerland



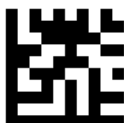
End



Set



Japan



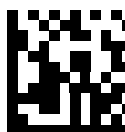
Hungary



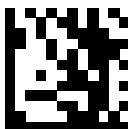
Czech Republic



Slovakia



End



Set



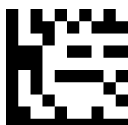
Romania



Croatia



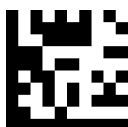
Poland



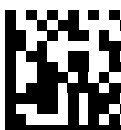
Finland



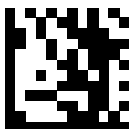
United Kingdom



Russia



End



Set



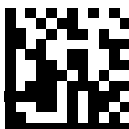
International Keyboard mode
(ALT mode)



Turkey-Q



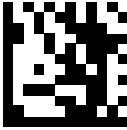
Turkey-F



End

Persian/Arabic Language Encoding Support

Scann the following settings to change the encoding options.



Set



UTF-8 (Default)



ISO 8859-6



CP1256 (WINDOWS-1256)

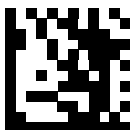


End

Readable Symbolologies

This section provides the programming barcodes for enabling and disabling readable symbolologies. If the default values suit requirements, programming is not necessary.

All Symbolologies



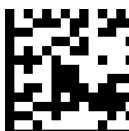
Set



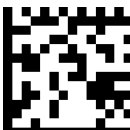
Enable All



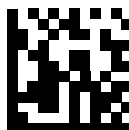
Default



1D Disable



2D Disable



End

UPC-A

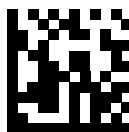
Set



Enable UPC-A (Default)



Disable UPC-A



End

UPC-E

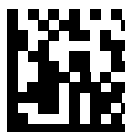
Set



Enable UPC-E



Disable UPC-E (Default)



End

EAN-8

Set



Enable EAN 8 (Default)



Disable EAN 8



End

EAN 13



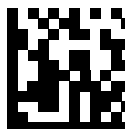
Set



Enable EAN 13 (Default)

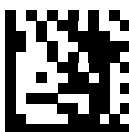


Disable EAN 13



End

JAN code for Books



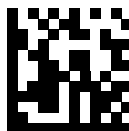
Set



Enable



Disable (Default)



End

Code 128

Set



Enable Code 128 (Default)



Disable Code 128



End

Code 39

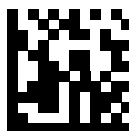
Set



Enable Code 39 (Default)



Disable Code 39



End

Code 93

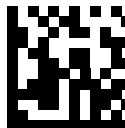
Set



Enable Code 93 (Default)



Disable Code 93



End

Code 32

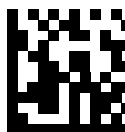
Set



Enable Code 32



Disable Code 32 (Default)



End

Code 11

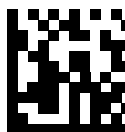
Set



Enable Code 11



Disable Code 11 (Default)



End

Codabar



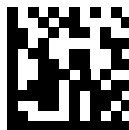
Set



Enable Codabar (Default)



Disable Codabar



End

Plessey



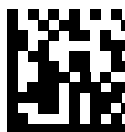
Set



Enable Plessey



Disable Plessey (Default)



End

MSI/Plessy

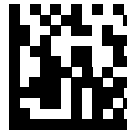
Set



Enable MSI/Plessy



Disable MSI/Plessy (Default)



End

Interleaved 2 of 5



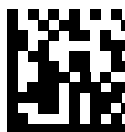
Set



Enable Interleaved 2 of 5 (Default)



Disable Interleaved 2 of 5



End

IATA 2 of 5



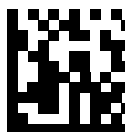
Set



Enable IATA 2 of 5



Disable IATA 2 of 5 (Default)



End

Matrix 2 of 5



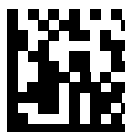
Set



Enable Matrix 2 of 5



Disable Matrix 2 of 5 (Default)



End

Straight 2 of 5



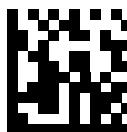
Set



Enable Straight 2 of 5



Disable Straight 2 of 5 (Default)



End

RSS 14 (GS1 DATABAR 14)



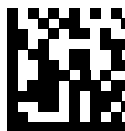
Set



Enable RSS 14 (GS1 DATABAR Expanded)
(Default)



Disable RSS 14 (GS1 DATABAR Expanded)



End

RSS Expanded (GS1 DATABAR Expanded)



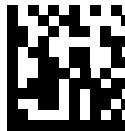
Set



Enable RSS Expanded (GS1 DATABAR Expanded) (Default)



Disable RSS Expanded (GS1 DATABAR Expanded)



End

RSS Limited (GS1 DATABAR Limited)



Set



Enable RSS Limited (GS1 DATABAR
Limited) (Default)



Disable RSS Limited (GS1 DATABAR
Limited)



End

Component CC-A



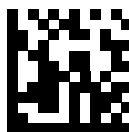
Set



Enable Component CC-A



Disable Component CC-A (Default)



End

Component CC-B



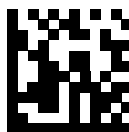
Set



Enable Component CC-B



Disable Component CC-B (Default)



End

Component CC-C



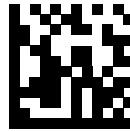
Set



Enable Component CC-C



Disable Component CC-C (Default)



End

PDF417

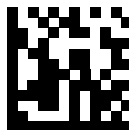
Set



Enable PDF417 (Default)



Disable PDF417



End

Micro PDF417



Set



Enable Micro PDF417 (Default)



Disable Micro PDF417



End

Data Matrix



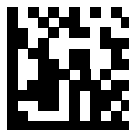
Set



Enable Data Matrix (Default)



Disable Data Matrix

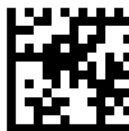


End

QR Code



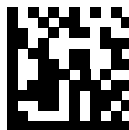
Set



Enable QR Code (Default)



Disable QR Code

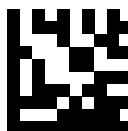


End

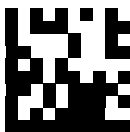
Micro QR Code



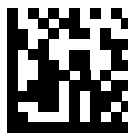
Set



Enable Micro QR Code (Default)



Disable Micro QR Code



End

GS1-2D AIM ID

GS1 2D barcodes (GS1 DataMatrix, GS1 QR Code) output AIM ID Setting.



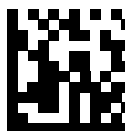
Set



Enable



Disable (Default)



End

GS1-128 AIM ID

GS1-128 output AIM ID Setting.



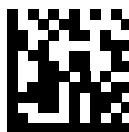
Set



Enable



Disable (Default)



End

GS1 DataBar Expanded Stacked

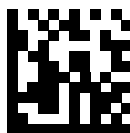
Set



Enable



Disable (Default)



End

GS1 DataBar 14 Stacked

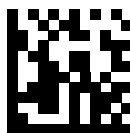
Set



Enable



Disable (Default)



End

Aztec



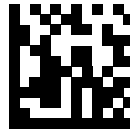
Set



Enable Aztec



Disable Aztec (Default)



End

Pharmacode

(Pharmaceutical Binary Code)



Set



Enable Pharmacode



Disable Pharmacode (Default)



End

MaxiCode



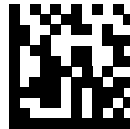
Set



Enable MaxiCode



Disable MaxiCode (Default)



End

Symbology Features

This section provides the programming barcodes for selecting features available to different symbologies.

UPC / EAN



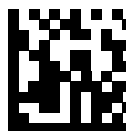
Set



Enable decoding of 2/5-digit supplemental code for UPC-A, UPC-E, EAN-13, and EAN-8



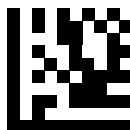
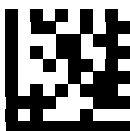
Disable decoding of 2/5-digit supplemental code for UPC-A, UPC-E, EAN-13, and EAN-8 (Default)



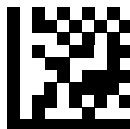
End

UPC-A

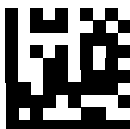
Set

Enable UPC-A Number System digit
(Default)

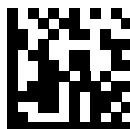
Disable UPC-A Number System digit



Enable UPC-A check digit (Default)



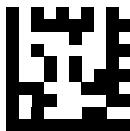
Disable UPC-A check digit



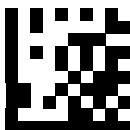
End



Set



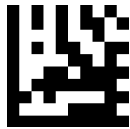
Enable conversion of UPC-A to EAN13



Disable conversion of UPC-A to EAN13
(Default)



Enable Leading Character

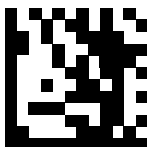


Disable Leading Character (Default)



End

UPC-A Data Redundant Check



Set



Off (Default)



1



2



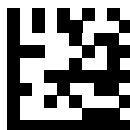
3



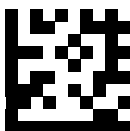
End

UPC-E

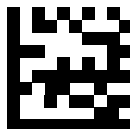
Set



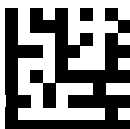
Enable UPC-E Number System digit
(Default)



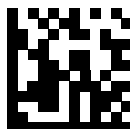
Disable UPC-E Number System digit



Enable UPC-E check digit (Default)



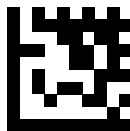
Disable UPC-E check digit



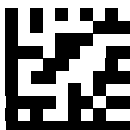
End



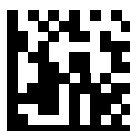
Set



Enable conversion of UPC-E to UPC-A

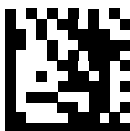


Disable conversion of UPC-E to UPC-A
(Default)

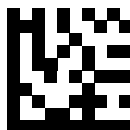


End

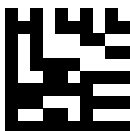
EAN 8



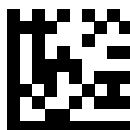
Set



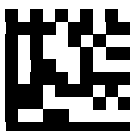
Enable EAN 8 check digit (Default)



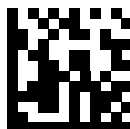
Disable EAN 8 check digit



Enable conversion of EAN 8 to EAN 13



Disable conversion of EAN 8 to EAN 13
(Default)



End

EAN 8 Data Redundant Check



Set



Off (Default)



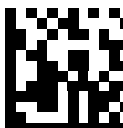
1



2

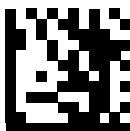


3

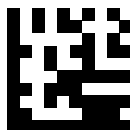


End

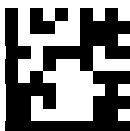
EAN 13



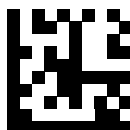
Set



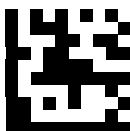
Enable EAN 13 check digit (Default)



Disable EAN 13 check digit



Enable conversion of EAN 13 to ISBN



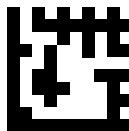
Disable conversion of EAN 13 to ISBN
(Default)



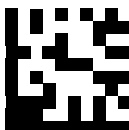
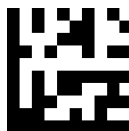
End



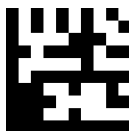
Set



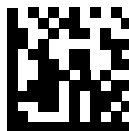
Enable conversion of EAN 13 to ISSN

Disable conversion of EAN 13 to ISSN
(Default)

First "0" can transmitted



First "0" can't transmitted(Default)



End

EAN 13 Data Redundant Check



Set



Off (Default)



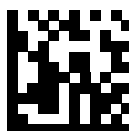
1



2



3



End

JAN code for Books Separator

Set



[TAB] key x 2



[SPACE] key x 3



Others char Separator

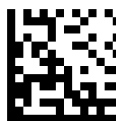
For parameters requiring specific numeric values, scan the [PROGRAMMING GUIDE\ASCII Code] appropriately numbered barcode(s).



End



Set



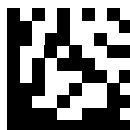
None (Default)



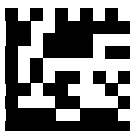
End

Code 39

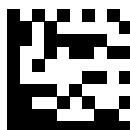
Set



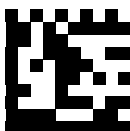
Enable Code 39 full ASCII mode



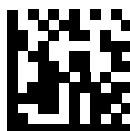
Disable Code 39 full ASCII mode (Default)



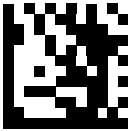
Enable Start and Stop characters



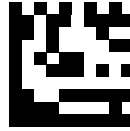
Disable Start and Stop characters (Default)



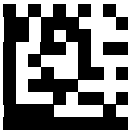
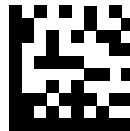
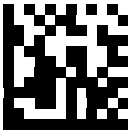
End



Set

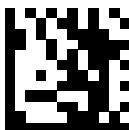


Disable Checksum (Default)

Enable checksum and send check
characterEnable checksum and strip check
character

End

Code 39 Data Redundant Check



Set



Off (Default)



1



2

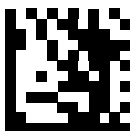


3



End

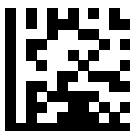
Codabar



Set



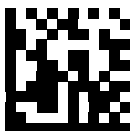
☐ Disable Checksum (Default)



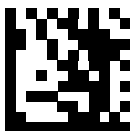
Enable checksum and send check character



Enable checksum and strip check character



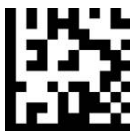
End



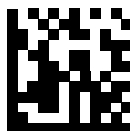
Set



Enable stripping Start and Stop characters



Disable stripping Start and Stop characters
(Default)



End

Codabar Redundant Check



Set



Off



1 (Default)



2



3



End

Code 93 Data Redundant Check

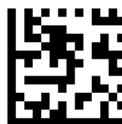
Set



Off (Default)



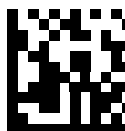
1



2



3



End

Code 128 Redundant Check



Set



Off



1 (Default)



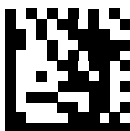
2



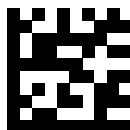
3



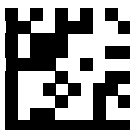
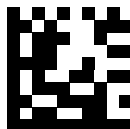
End

Interleaved 2 of 5

Set



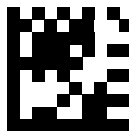
Disable Checksum (Default)

Enable checksum and send check
characterEnable checksum and strip check
character

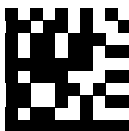
End



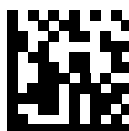
Set



Default quiet zone checking
No length checking performed (Default)



Smaller quiet zone allowed



End

Interleaved 2 of 5 Data Redundant Check



Set



Off (Default)



1



2



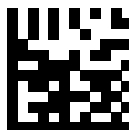
3



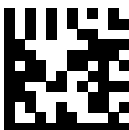
End

MSI / Plessey

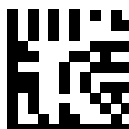
Set



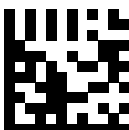
Disable MSI Plessey checksum



Mod 10 checksum (Default)



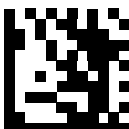
Mod 10/10 checksum



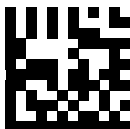
Mod 11/10 checksum



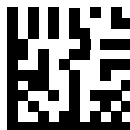
End



Set



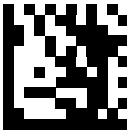
Strip checksum character(s)



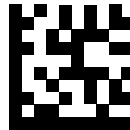
Output checksum character(s) (Default)



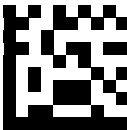
End

Code 11

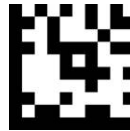
Set



Output checksum character(s)



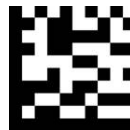
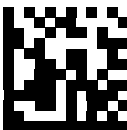
Strip checksum character(s) (Default)



Disable checksum checking



Enable 1-digit checksum checking

Enable 2-digit checksum checking
(Default)

End

Data Matrix



Set



Enable mirror decoding (Default)



Disable mirror decoding



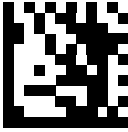
Enable rectangular Data Matrix decoding



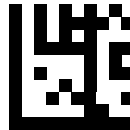
Disable rectangular Data Matrix decoding
(Default)



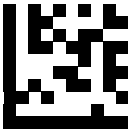
End

QR / Micro QR

Set



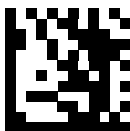
Enable mirror decoding (Default)



Disable mirror decoding



End



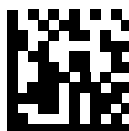
Set



UTF8 conversion for word only



Universal UTF8 conversion (Default)



End

Note: Please install QR_UTF8_Conversion executable file before using this function.

Japanese Language Encoding Support



Set



Enable

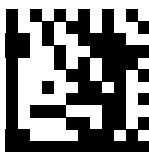


Disable (Default)

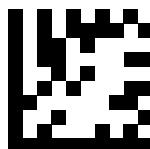


End

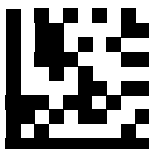
Aztec



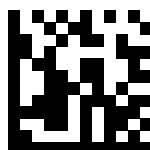
Set



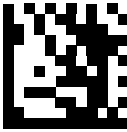
Enable mirror decoding (Default)



Disable mirror decoding



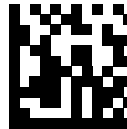
End

FNC1 GS Substitution Values

Set



"Ctrl+J" (Default)

"Alt+29(KP)"
(nmvs)

End

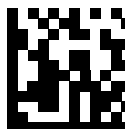
Code 32 (Italian Pharmacode)

Set



Transmit

Alphabet "A" char

Disable Transmit
Alphabet "A" char
(Default)

End

PDF-417 Data Redundant Check

Set



Off (Default)



1



2



3



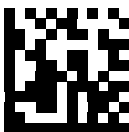
End

Matrix 2 of 5

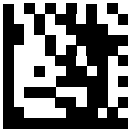
Set



Disable Checksum (Default)

Enable checksum and send check
characterEnable checksum and strip check
character

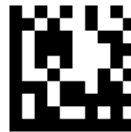
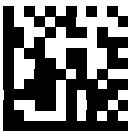
End

Straight 2 of 5

Set



Disable Checksum (Default)

Enable checksum and send check
characterEnable checksum and strip check
character

End

Data Editing (Prefix)

Prefix is additional characters that can be sent before the scanned data. Please scan the barcodes in the selection below to set your prefix.

Prefix Set Up Flow

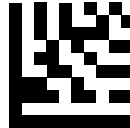
1. Scan Set.
2. Enable barcode type.
3. Scan prefix you would like to add characters within ASCII Table. Up to 4 digits can be added.
4. Scan End.

Ex. If we wish to add “3” as prefix for all barcode type, then follow procedure as below, Scan [Set] to enter setup. Then we select barcode by scanning [Enable All], then we scan [3] as 3 of ASCII HEX. At the end, we scan [End] to completed setup.

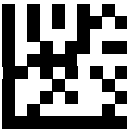
All Prefix



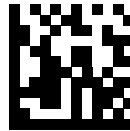
Set



Enable All



Disable All (Default)

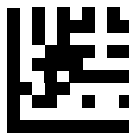


End

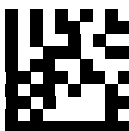
UPC / EAN Prefix



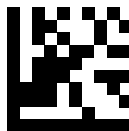
Set



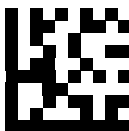
Enable UPC-A



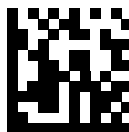
Disable UPC-A



Enable UPC-E



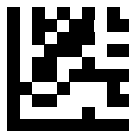
Disable UPC-E



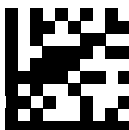
End



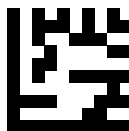
Set



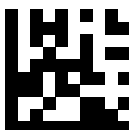
Enable EAN 8



Disable EAN 8



Enable EAN 13



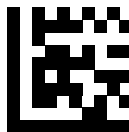
Disable EAN 13



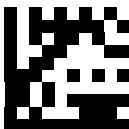
End

Code 128 Prefix

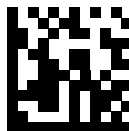
Set



Enable Code 128



Disable Code 128

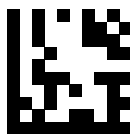


End

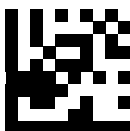
Code 39 Prefix



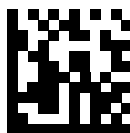
Set



Enable Code 39



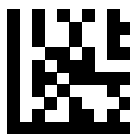
Disable Code 39



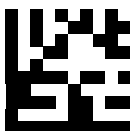
End

Code 93 Prefix

Set



Enable Code 93



Disable Code 93

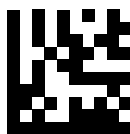


End

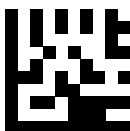
Code 32 Prefix



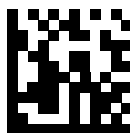
Set



Enable Code 32



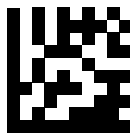
Disable Code 32



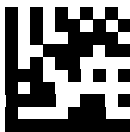
End

Code 11 Prefix

Set



Enable Code 11



Disable Code 11

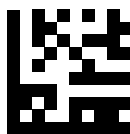


End

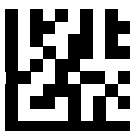
Codabar Prefix



Set



Enable Codabar



Disable Codabar

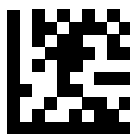


End

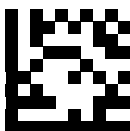
Plessey Prefix



Set



Enable Plessey



Disable Plessey

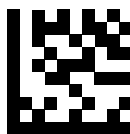


End

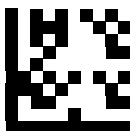
MSI Prefix



Set



Enable MSI



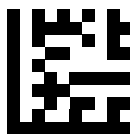
Disable MSI



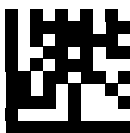
End

Interleaved 2 of 5Prefix

Set



Enable Interleaved 2 of 5



Disable Interleaved 2 of 5

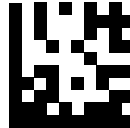


End

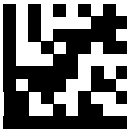
IATA 2 of 5 Prefix



Set



Enable IATA 2 of 5

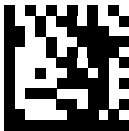


Disable IATA 2 of 5

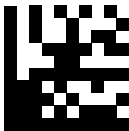


End

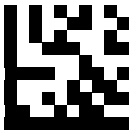
Matrix 2 of 5 Prefix



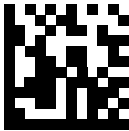
Set



Enable Matrix 2 of 5



Disable Matrix 2 of 5

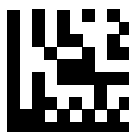


End

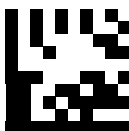
Straight 2 of 5 Prefix



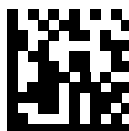
Set



Enable Straight 2 of 5



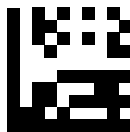
Disable Straight 2 of 5



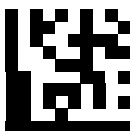
End

RSS 14 Prefix (GS1 DATABAR 14 Prefix)

Set



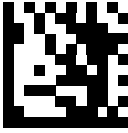
Enable RSS 14 (GS1 DATABAR 14 Prefix)



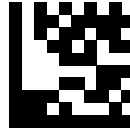
Disable RSS 14 (GS1 DATABAR 14 Prefix)



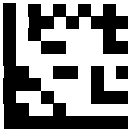
End

RSS Expanded Prefix (GS1 DATABAR Expanded Prefix)

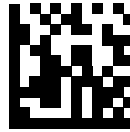
Set



Enable RSS Expanded (GS1 DATABAR
Expanded Prefix)



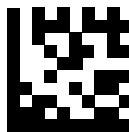
Disable RSS Expanded (GS1 DATABAR
Expanded Prefix)



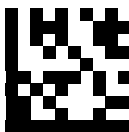
End

RSS Limited Prefix (GS1 DATABAR Limited Prefix)

Set



Enable RSS Limited (GS1 DATABAR Limited Prefix)



Disable RSS Limited (GS1 DATABAR Limited Prefix)

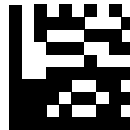


End

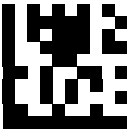
Component CC-A Prefix



Set



Enable Component CC-A



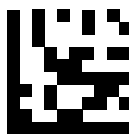
Disable Component CC-A



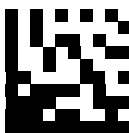
End

Component CC-B Prefix

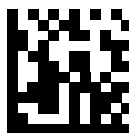
Set



Enable Component CC-B



Disable Component CC-B

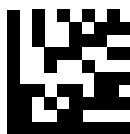


End

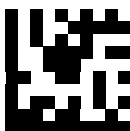
Component CC-C Prefix



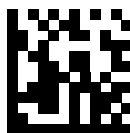
Set



Enable Component CC-C



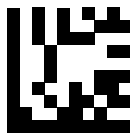
Disable Component CC-C



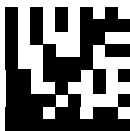
End

PDF 417 Prefix

Set



Enable PDF 417



Disable PDF 417

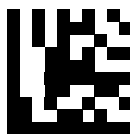


End

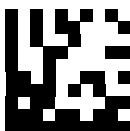
Micro PDF 417 Prefix



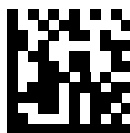
Set



Enable Micro PDF 417



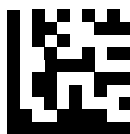
Disable Micro PDF 417



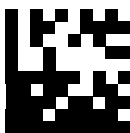
End

Data Matrix Prefix

Set



Enable Data Matrix



Disable Data Matrix

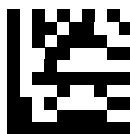


End

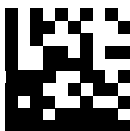
QR Prefix



Set



Enable QR Code



Disable QR Code

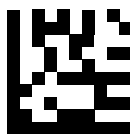


End

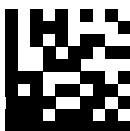
Micro QR Prefix



Set



Enable Micro QR



Disable Micro QR

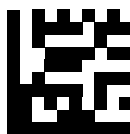


End

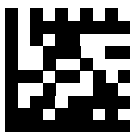
Aztec Prefix



Set



Enable Aztec



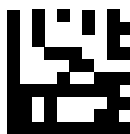
Disable Aztec



End

MaxiCode Prefix

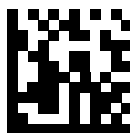
Set



Enable MaxiCode



Disable MaxiCode



End

Data Editing (Suffix)

Suffix is additional characters that can be sent after the scanned data. Please scan the barcodes in the selection below to set your suffix.

Suffix Set Up Flow

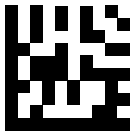
1. Scan Set.
2. Enable barcode type.
3. Scan suffix you would like to add characters within ASCII Table. Up to 4 digits can be added.
4. Scan End.

Ex. If we wish to add "36" as suffix for all barcode type, then follow procedure as below. Scan [Set] to enter setup. Then we select barcode by scanning [Enable All], then we scan [3] as 3 of ASCII HEX and [6] as 6.

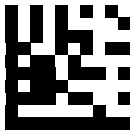
All Suffix



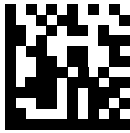
Set



Enable All



Disable All (Default)

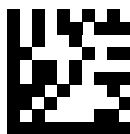


End

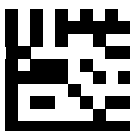
UPC-A Suffix



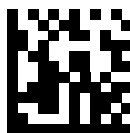
Set



Enable UPC-A



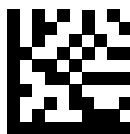
Disable UPC-A



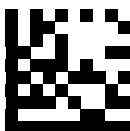
End

UPC-E Suffix

Set



Enable UPC-E



Disable UPC-E

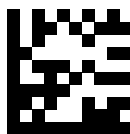


End

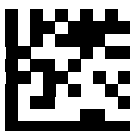
EAN 8 Suffix



Set



Enable EAN 8



Disable EAN 8

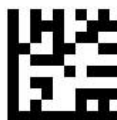


End

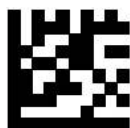
EAN 13 Suffix



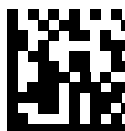
Set



Enable EAN 13



Disable EAN 13

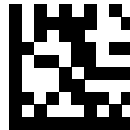


End

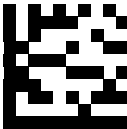
Code 128 Suffix



Set



Enable Code 128



Disable Code 128

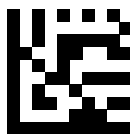


End

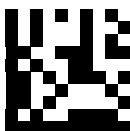
Code 39 Suffix



Set



Enable Code 39



Disable Code 39

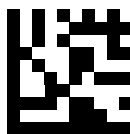


End

Code 93 Suffix



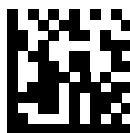
Set



Enable Code 93



Disable Code 93

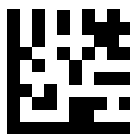


End

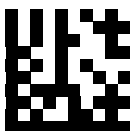
Code 32 Suffix



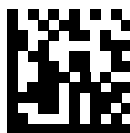
Set



Enable Code 32



Disable Code 32

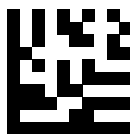


End

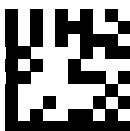
Code 11 Suffix



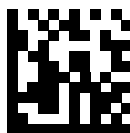
Set



Enable Code 11



Disable Code 11

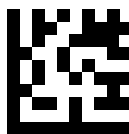


End

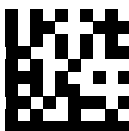
Codabar Suffix



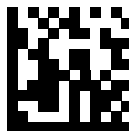
Set



Enable Codabar



Disable Codabar

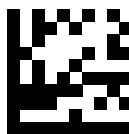


End

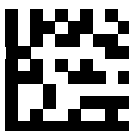
Plessey Suffix



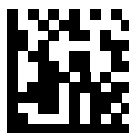
Set



Enable Plessey



Disable Plessey

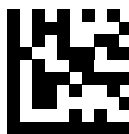


End

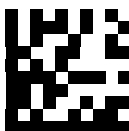
MSI Suffix



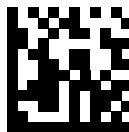
Set



Enable MSI



Disable MSI

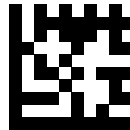


End

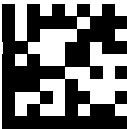
Interleaved 2 of 5 Suffix



Set



Enable Interleaved 2 of 5



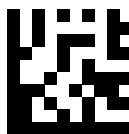
Disable Interleaved 2 of 5



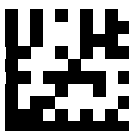
End

IATA 2 of 5 Suffix

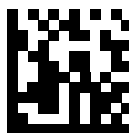
Set



Enable IATA 2 of 5



Disable IATA 2 of 5

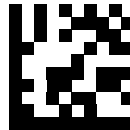


End

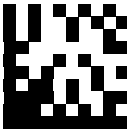
Matrix 2 of 5 Suffix



Set



Enable Matrix 2 of 5



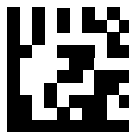
Disable Matrix 2 of 5



End

Straight 2 of 5 Suffix

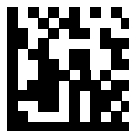
Set



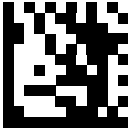
Enable Straight 2 of 5



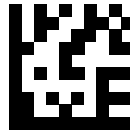
Disable Straight 2 of 5



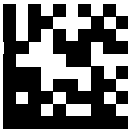
End

RSS 14 Suffix (GS1 DATABAR 14 Suffix)

Set



Enable RSS 14 (GS1 DATABAR 14 Suffix)



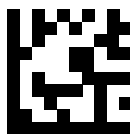
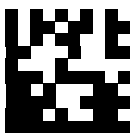
Disable RSS 14 (GS1 DATABAR 14 Suffix)



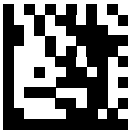
End

RSS Expanded Suffix (GS1 DATABAR Expanded Suffix)

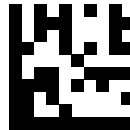
Set

Enable RSS Expanded (GS1 DATABAR
Expanded Suffix)Disable RSS Expanded (GS1 DATABAR
Expanded Suffix)

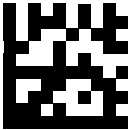
End

RSS Limited Suffix (GS1 DATABAR Limited Suffix)

Set



Enable RSS Limited (GS1 DATABAR Limited Suffix)



Disable RSS Limited (GS1 DATABAR Limited Suffix)

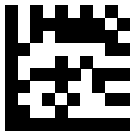


End

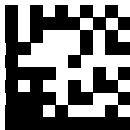
Component CC-A Suffix



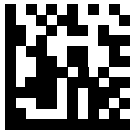
Set



Enable Component CC-A



Disable Component CC-A

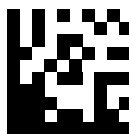


End

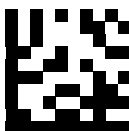
Component CC-B Suffix



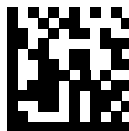
Set



Enable Component CC-B



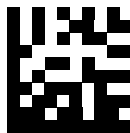
Disable Component CC-B



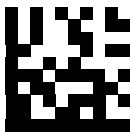
End

Component CC-C Suffix

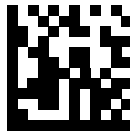
Set



Enable Component CC-C



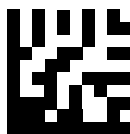
Disable Component CC-C



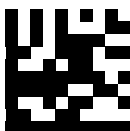
End

PDF-417 Suffix

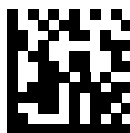
Set



Enable PDF417



Disable PDF417

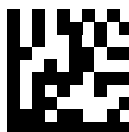


End

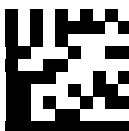
Micro PDF-417 Suffix



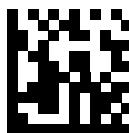
Set



Enable Micro PDF417



Disable Micro PDF417

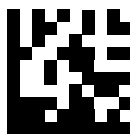


End

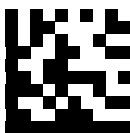
Data Matrix Suffix



Set



Data Matrix Enable



Data Matrix Disable

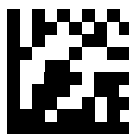


End

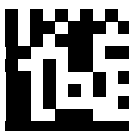
QR Code Suffix



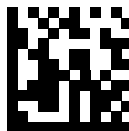
Set



QR Code Enable



QR Code Disable

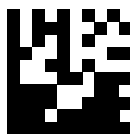


End

Micro QR Suffix



Set



Micro QR Enable



Micro QR Disable

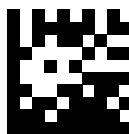


End

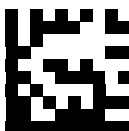
Aztec Suffix



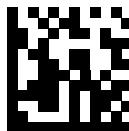
Set



Aztec Enable



Aztec Disable

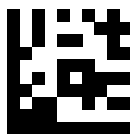


End

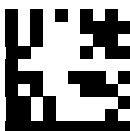
MaxiCode Suffix



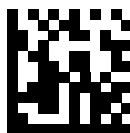
Set



MaxiCode Enable



MaxiCode Disable



End

Data Editing (Truncate/Return)

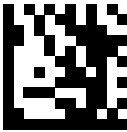
Truncate/Return Commands:

- Return the leftmost characters: Specify the number of leftmost characters you want returned.
- Truncate the leftmost characters: Specify the number of leftmost characters you want deleted.
- Return the Rightmost characters: Specify the number of rightmost characters you want returned.
- Truncate the Rightmost characters: Specify the number of rightmost characters you want deleted.
- Return the Middle characters: Returns the middle characters. The middle is found by scanning from left to right, and parameters determine where the middle begins and ends
- Truncate the Middle characters: Delete the middle characters. The middle is found by scanning from left to right, and parameters determine where the middle begins and ends

Suffix Set Up Flow

1. Scan Set.
2. Enable barcode type.
3. Scan one of Truncate/Return Command.
4. Select lengths using the numeric bar codes in ASCII Code Table.
5. Scan End.

Set All Symbolologies Truncate/Return



Set



Return leftmost



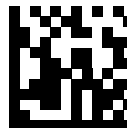
Truncate leftmost



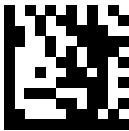
Return rightmost



Truncate rightmost



End



Set



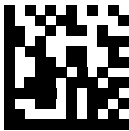
Return middle



Truncate middle



Disable All (Default)



End

Set UPC-A Truncate/Return



Set



Return leftmost



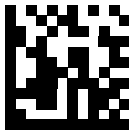
Truncate leftmost



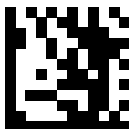
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set UPC-E Truncate/Return



Set



Return leftmost



Truncate leftmost



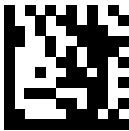
Return rightmost



Truncate rightmost



End



Set



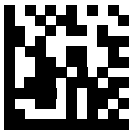
Return middle



Truncate middle



Disable (Default)



End

Set EAN-8 Truncate/Return



Set



Return leftmost



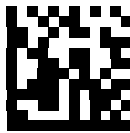
Truncate leftmost



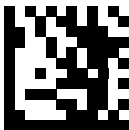
Return rightmost



Truncate rightmost



End



Set



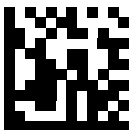
Return middle



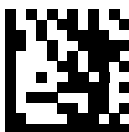
Truncate middle



Disable (Default)



End

Set EAN 13 Truncate/Return

Set



Return leftmost



Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set Code 128 Truncate/Return

Set



Return leftmost



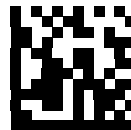
Truncate leftmost



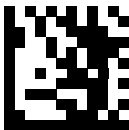
Return rightmost



Truncate rightmost



End



Set



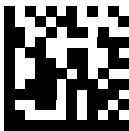
Return middle



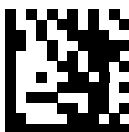
Truncate middle



Disable (Default)



End

Set Code 39 Truncate/Return

Set



Return leftmost



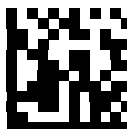
Truncate leftmost



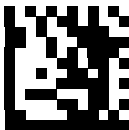
Return rightmost



Truncate rightmost



End



Set



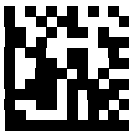
Return middle



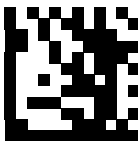
Truncate middle



Disable (Default)



End

Set Code 93 Truncate/Return

Set



Return leftmost



Truncate leftmost



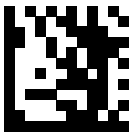
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

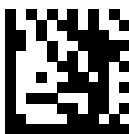


Disable (Default)



End

Set Code 32 Truncate/Return



Set



Return leftmost



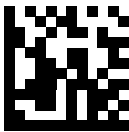
Truncate leftmost



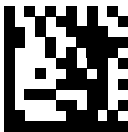
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



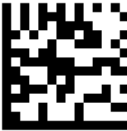
End

Set Code 11 Truncate/Return

Set



Return leftmost



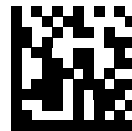
Truncate leftmost



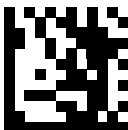
Return rightmost



Truncate rightmost



End



Set



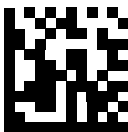
Return middle



Truncate middle



Disable (Default)



End

Set Codabar Truncate/Return

Set



Return leftmost



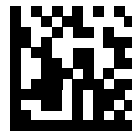
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set Plessey Truncate/Return



Set



Return leftmost



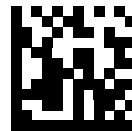
Truncate leftmost



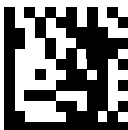
Return rightmost



Truncate rightmost



End



Set



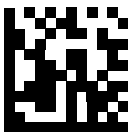
Return middle



Truncate middle



Disable (Default)



End

Set MSI (Modified Plessey) Truncate/Return

Set



Return leftmost



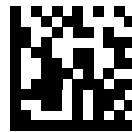
Truncate leftmost



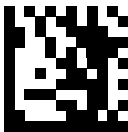
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

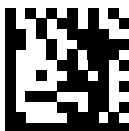


Disable (Default)



End

Set Interleaved 2 of 5 Truncate/Return



Set



Return leftmost



Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

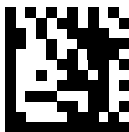
Interleaved 2 of 5 (ITF).ReturnLeft.4

Enable



Disable (default)

Set IATA 2 of 5 Truncate/Return



Set



Return leftmost



Truncate leftmost



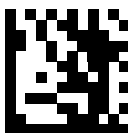
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

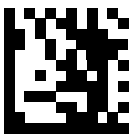


Disable (Default)



End

Set Matrix 2 of 5 Truncate/Return



Set



Return leftmost



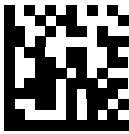
Truncate leftmost



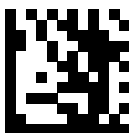
Return rightmost



Truncate rightmost



End



Set



Return middle



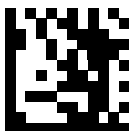
Truncate middle



Disable (Default)



End

Set Straight 2 of 5 Truncate/Return

Set



Return leftmost



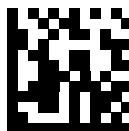
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



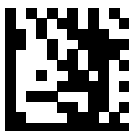
Truncate middle



Disable (Default)



End

Set RSS 14 (GS1 DataBar) Truncate/Return

Set



Return leftmost



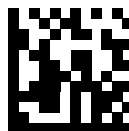
Truncate leftmost



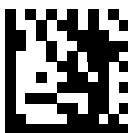
Return rightmost



Truncate rightmost



End



Set



Return middle



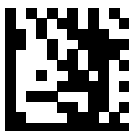
Truncate middle



Disable (Default)



End

Set RSS Expanded (GS1 DataBar Expanded) Truncate/Return

Set



Return leftmost



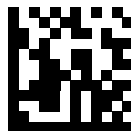
Truncate leftmost



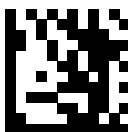
Return rightmost



Truncate rightmost



End



Set



Return middle



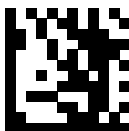
Truncate middle



Disable (Default)



End

Set RSS Limited (GS1 DataBar Limited) Truncate/Return

Set



Return leftmost



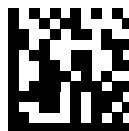
Truncate leftmost



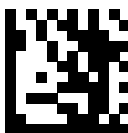
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

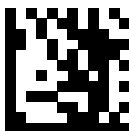


Disable (Default)



End

Set Component CC-A Truncate/Return



Set



Return leftmost



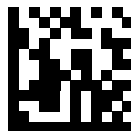
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

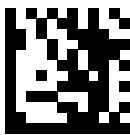


Disable (Default)



End

Set Component CC-B Truncate/Return



Set



Return leftmost



Truncate leftmost



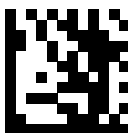
Return rightmost



Truncate rightmost



End



Set



Return middle



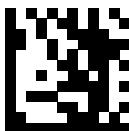
Truncate middle



Disable (Default)



End

Set Component CC-C Truncate/Return

Set



Return leftmost



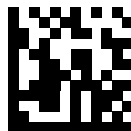
Truncate leftmost



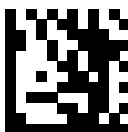
Return rightmost



Truncate rightmost



End



Set



Return middle



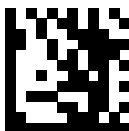
Truncate middle



Disable (Default)



End

Set PDF 417 Truncate/Return

Set



Return leftmost



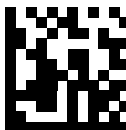
Truncate leftmost



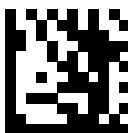
Return rightmost



Truncate rightmost



End



Set



Return middle



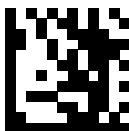
Truncate middle



Disable (Default)



End

Set Micro PDF 417 Truncate/Return

Set



Return leftmost



Truncate leftmost



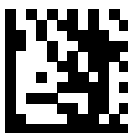
Return rightmost



Truncate rightmost



End



Set



Return middle



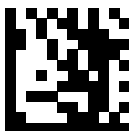
Truncate middle



Disable (Default)



End

Set Data Martrix Truncate/Return

Set



Return leftmost



Truncate leftmost



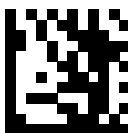
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

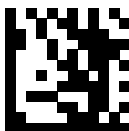


Disable (Default)



End

Set QR Truncate/Return



Set



Return leftmost



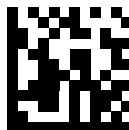
Truncate leftmost



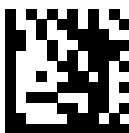
Return rightmost



Truncate rightmost



End



Set



Return middle



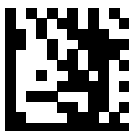
Truncate middle



Disable (Default)



End

Set Micro QR Truncate/Return

Set



Return leftmost



Truncate leftmost



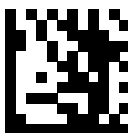
Return rightmost



Truncate rightmost



End



Set



Return middle



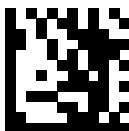
Truncate middle



Disable (Default)



End

Set Aztec Truncate/Return

Set



Return leftmost



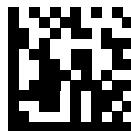
Truncate leftmost



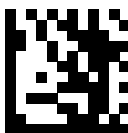
Return rightmost



Truncate rightmost



End



Set



Return middle



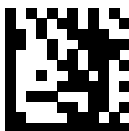
Truncate middle



Disable (Default)



End

Set MaxiCode Truncate/Return

Set



Return leftmost



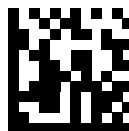
Truncate leftmost



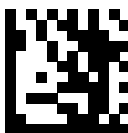
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Code Settings

Set Lengths for Codes

- 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 Table.

Example 1:

To decode Interleaved 2 of 5 symbols with 8 characters:

- scan Set to set up
- scan Interleaved 2 of 5 One Discrete Length
- scan 8 in ASCII Code Table
- scan End to confirm the setup

Example 2:

To decode Interleaved 2 of 5 symbols with 12 characters:

- scan Set to set up
- scan Interleaved 2 of 5 One Discrete Length
- scan scan 1 followed by 2 in ASCII Code Table
- scan End to confirm the setup

- 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 Table.

Example:

To decode Code 128 symbols containing either 8 or 14 characters

- scan Set to set up
- scan Code 128 Two Discrete Length
- scan 0, 8, 1, and then 4 in ASCII Code Table
- scan End to confirm the setup

- Length Within Range

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

Example:

To decode Codabar symbols containing between 7 and 8 characters,

- a. scan Set to set up
- b. scan Codabar Length Within Range
- c. scan 0, 7, 0, and then 8 in ASCII Code Table
- d. scan End to confirm the setup

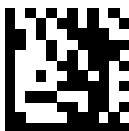
- Any Length

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

Example:

- a. scan Set to set up
- b. scan Matrix 2 of 5 Any Length
- c. scan End to confirm the setup

Set Lengths for Code 128



Set



One Discrete Length



Two Discrete Lengths



Length Within Range

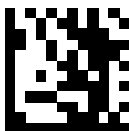


Any Length (Default)



End

Set Lengths for Code 39



Set



One Discrete Length



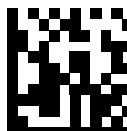
Two Discrete Lengths



Length Within Range

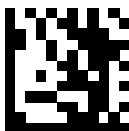


Any Length (Default)



End

Set Lengths for Code 93



Set



One Discrete Length



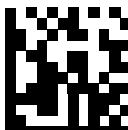
Two Discrete Lengths



Length Within Range

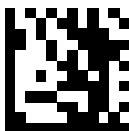


Any Length (Default)



End

Set Lengths for Codabar



Set



One Discrete Length



Two Discrete Lengths



Length Within Range

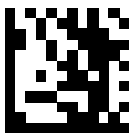


Any Length (Default)



End

Set Lengths for Interleaved 2 of 5



Set



One Discrete Length



Two Discrete Lengths



Length Within Range

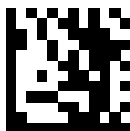


Any Length (Default)



End

Set Lengths for Code 11



Set



One Discrete Length



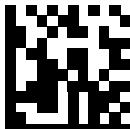
Two Discrete Lengths



Length Within Range

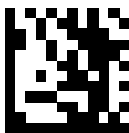


Any Length (Default)



End

Set Lengths for MSI



Set



One Discrete Length



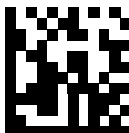
Two Discrete Lengths



Length Within Range



Any Length (Default)



End

Set Lengths for Matrix 2 of 5



Set



One Discrete Length



Two Discrete Lengths



Length Within Range



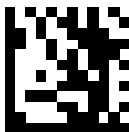
Any Length (Default)



End

Code Identifiers

Scan the following barcodes to set symbology Identifiers.



Set



Disable Code ID (Default)



Enable factory standard ID



Enable AIM ID



End

Code Identifiers Table

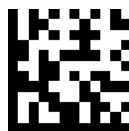
Symbology	Factory Standard	AIM
UPC-A	A	]E
UPC-E	E	]E
EAN 8	FF	]E
EAN 13	F	]E
Code 128	K	]C
Code 39	M	]A
Code 93	L	]G
Code 32	M	]X
Code 11	O	]H
Codabar	N	]F
Plessey	P	]P
MSI / Plessey	a	]M
Interleaved 2 of 5	I	]I
IATA 2 of 5	Z	]R
Matrix 2 of 5	G	]X
Straight 2 of 5	S	]S
Pharmacode	H	]X
RSS 14 (GS1 DATABAR 14)	RS	]e
RSS Expanded (GS1 DataBar Expanded)	RX	]e
RSS Limited (GS1 DataBar Limited)	RL	]e
Component CC-A	m	]e
Component CC-B	n	]e
Component CC-C	i	]e
PDF417	r	]L
Micro PDF417	s	]L
Data Matrix	t	]d
QR	u	]Q
Micro QR	j	]Q
Aztec	e	]z
MaxiCode	v	]U
RSS 14	RS	]e
RSS Expanded	RX	]e

USB Keyboard FN 1 Substitution

This option applies only to the USB HID Keyboard Emulation device.



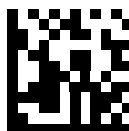
Set



Ctrl+] (Default)



Alt+29(KP)



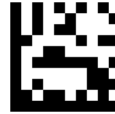
End

Keyboard Caps Lock State

Scan a barcode below to turn Caps on or off.



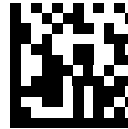
Set



Caps Lock Off (Default)



Caps Lock On



End



Set



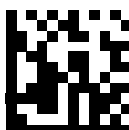
Alphabet always upper case



Alphabet always Lower case



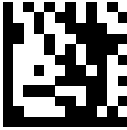
Override



End

Function Key Mapping

Scan the following barcodes to enable or disable Function Key Mapping.



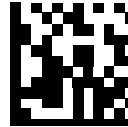
Set



Disable Function Key Mapping (Default)



Enable Function Key Mapping



End

Function Key Extended

Scan the following barcodes to enable or disable Function Key Extended. Enable Function Key Extended change the Function Key from [Left-CTRL] to [Right-CTRL].



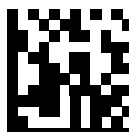
Set



Disable Function Key Extended (Default)



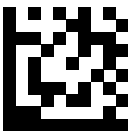
Enable Function Key Extended



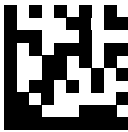
End

ASCII Code

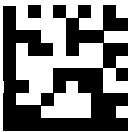
For parameters requiring specific numeric values, scan the appropriately numbered barcode(s).



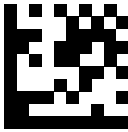
Space



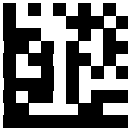
!



"



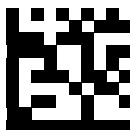
#



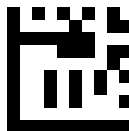
\$



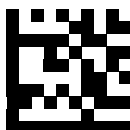
%



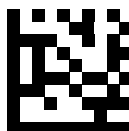
&



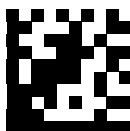
!



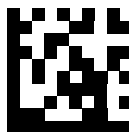
(



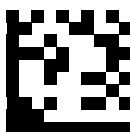
)



*



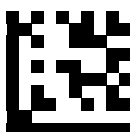
+



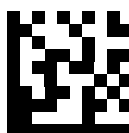
/



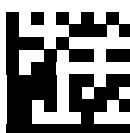
-



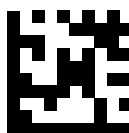
.



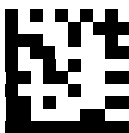
/



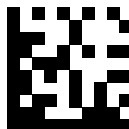
:



;



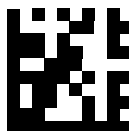
<



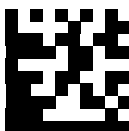
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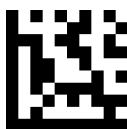
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@



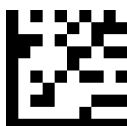
[



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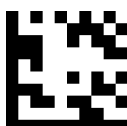
}



^



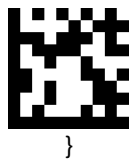
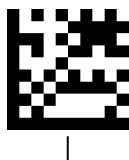
-

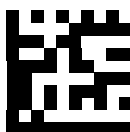


/

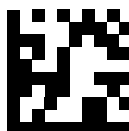


{

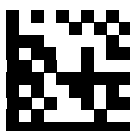




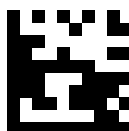
0



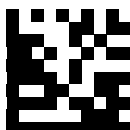
1



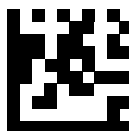
2



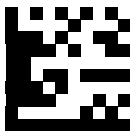
3



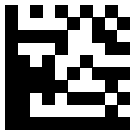
4



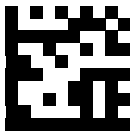
5



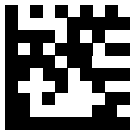
6



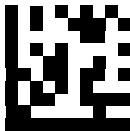
7



8

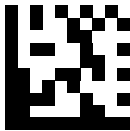


9



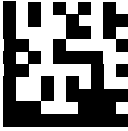
A

(Function Key
Mapping: Ctrl+a)



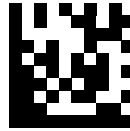
B

(Function Key
Mapping: Ctrl+b)



C

(Function Key
Mapping: Ctrl+c)



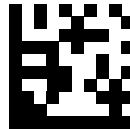
D

(Function Key
Mapping: Ctrl+d)



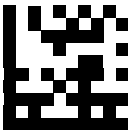
E

(Function Key
Mapping: Ctrl+e)



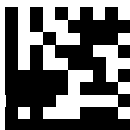
F

(Function Key
Mapping: Ctrl+f)



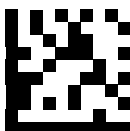
G

(Function Key
Mapping: Ctrl+g)



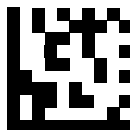
I

(Function Key
Mapping: Ctrl+i)



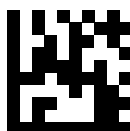
K

(Function Key
Mapping: Ctrl+k)



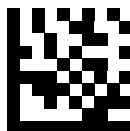
H

(Function Key
Mapping: Ctrl+h)



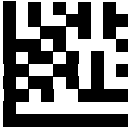
J

(Function Key
Mapping: Ctrl+j)

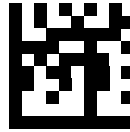


L

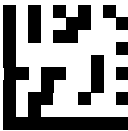
(Function Key
Mapping: Ctrl+l)



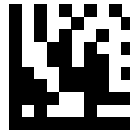
M
(Function Key
Mapping: Ctrl+m)



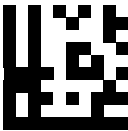
N
(Function Key
Mapping: Ctrl+n)



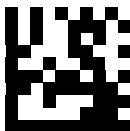
O
(Function Key
Mapping: Ctrl+o)



P
(Function Key
Mapping: Ctrl+p)

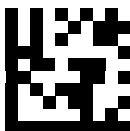


Q
(Function Key
Mapping: Ctrl+q)



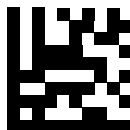
S

(Function Key
Mapping: Ctrl+s)



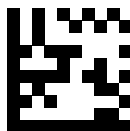
U

(Function Key
Mapping: Ctrl+u)



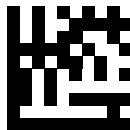
R

(Function Key
Mapping: Ctrl+r)



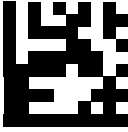
T

(Function Key
Mapping: Ctrl+t)



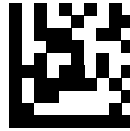
V

(Function Key
Mapping: Ctrl+v)



W

(Function Key
Mapping: Ctrl+w)



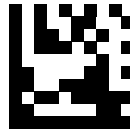
X

(Function Key
Mapping: Ctrl+x)



Y

(Function Key
Mapping: Ctrl+y)

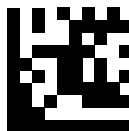


Z

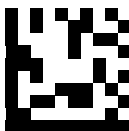
(Function Key
Mapping: Ctrl+z)



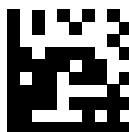
a



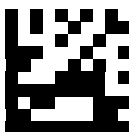
b



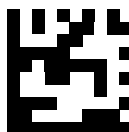
c



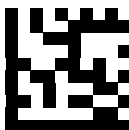
d



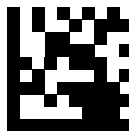
e



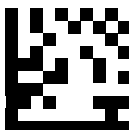
f



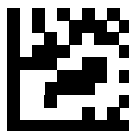
g



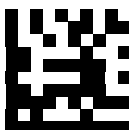
h



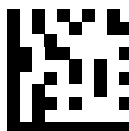
i



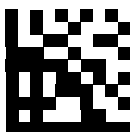
j



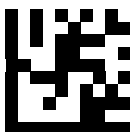
k



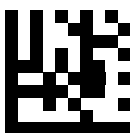
l



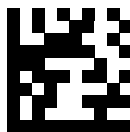
m



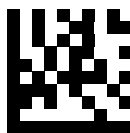
o



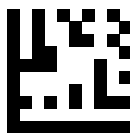
q



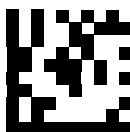
n



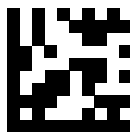
p



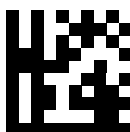
r



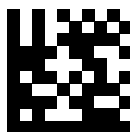
s



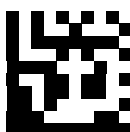
t



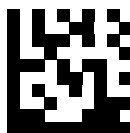
u



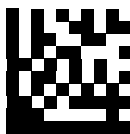
v



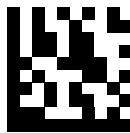
w



x



y



z



Insert



Delete



Home



End



Up arrow



Down arrow



Left arrow



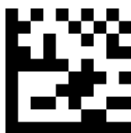
Right arrow



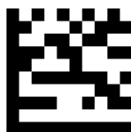
Tab



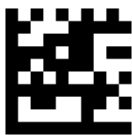
Backspace



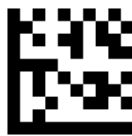
Shift



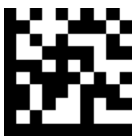
ESC



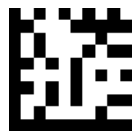
Page up



Page down



Ctrl



Alt



F1



F2



F3



F4



F5



F6



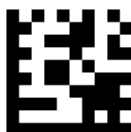
F7



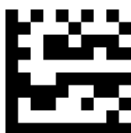
F8



F9



F10

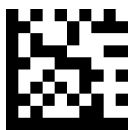


F11



F12

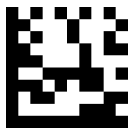
ASCII Character Set for Serial Hosts



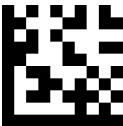
SOH



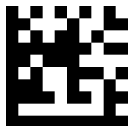
STX



ETX



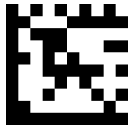
EOT



ENQ



ACK



BELL



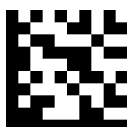
LF



VT



FF



CR



SO

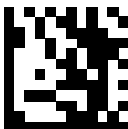


SI

USB Virtual COM Driver Installing

If you use virtual COM port emulation, follow the steps below to start using the scanner.

1. Execute the driver (ZEBEX VCOM Driver Installation.exe).
2. Connect the scanner USB cable to the host computer.
3. Set the interface to USB Virtual COM Port.



Set



USB Virtual COM Port
*Driver required



End

4. On the computer, check Device Manager to see if the computer successfully detects the scanner as “Barcode Scanner USB-COM device.” (The COM port number would vary depending on different hardware environment).

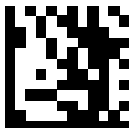


JavaPOS Setting

This section provides the programming barcodes for setting JavaPOS and the flow of installing JavaPOS driver.

JavaPOS

Scan the following barcodes to enable or disable JavaPOS.



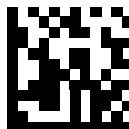
Set



JPOS Enable



JPOS Disable (Default)



End

JavaPOS Version

Our JavaPOS driver now is compatible with JavaPOS1.7.

Install the Java2 Runtime Environment

The JRE is Java's virtual machine that allows for applications to run on the host computer. To be able to run the JavaPOS application, you need a 1.7 version JRE. Ignore the following steps if you already have a JavaPOS1.7 or a later version in your host computer.

- Go to <http://java.sun.com>, and select this version of Java Runtime Environment.
- Install the program following the instructions.

Install the Service Object and JavaPOS files

In the "\Driver" folder, there are two files: ZbtJavapos.jar and jpos.xml. Please include ZbtJavapos.jar at your CLASSPATH and also copy the related "JPosEntry" option from the jpos.xml to your application's jpos.xml.

How to use RS232 scanner with JavaPOS Driver

Install the Java RXTXcomm API

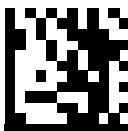
In the \RXTXcomm folder, there are four files: rxtxSerial.dll , rxtxParallel.dll, and RXTXcomm.jar. Please do the following steps to install the library.

1. Copy rxtxSerial.dll and rxtxParallel.dll to C:\Windows\system32.
2. Copy RXTXcomm.jar to your <JRE Install Folder>\lib directory.

Use barcodes to configure the scanner

JavaPOS configuration barcodes:

Set



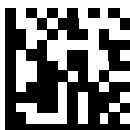
RS-232



JPOS Enable



End



Running the JavaPOS Test utility

Please run the test application POStest.sh to evaluate your installation.

How to use JavaPOS driver at your application

1. Add “ZbtJavaPos.jar” from the “\Driver” folder to the CLASSPATH and copy the related “JPosEntry” option from the “jpos.xml”.
2. Modify the jpos.xml based on your COM Port
3. Example of jpos.xml file content

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE JposEntries PUBLIC "-//JavaPOS//DTD//EN"
        "jpos/res/jcl.dtd">

<JposEntries>
<!--Saved by JavaPOS jpos.config/loader (JCL) version 2.2.0 on 2010/3/11 10:16-->

    <JposEntry logicalName="Z3172P">
        <creation factoryClass="com.zbt.jpos.ZbtJposServiceInstanceFactory"
serviceClass="com.zbt.jpos.ScannerService"/>
        <vendor name="" url=""/>
        <jpos category="Scanner" version="1.7"/>
        <product description="Scanners" name="Scanner" url=""/>

        <!--Other non JavaPOS required property (mostly vendor properties and bus specific
properties i.e. RS232)-->
        <prop name="deviceType" type="String" value="2D"/>
        <prop name="deviceBus" type="String" value="RS232"/>
        <prop name="baudRate" type="String" value="9600"/>
        <prop name="parity" type="String" value="None"/>
        <prop name="portName" type="String" value=" COM1"/>
        <prop name="flowControl" type="String" value="None"/>
        <prop name="stopBits" type="String" value="1"/>
        <prop name="dataBits" type="String" value="8"/>
    </JposEntry>

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE JposEntries PUBLIC "-//JavaPOS//DTD//EN"
        "jpos/res/jcl.dtd">

<JposEntries>

</JposEntries>
```

Note: The default baud rate : 2D scanner =9600

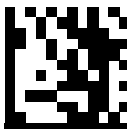
How to use USB scanner with JavaPOS Driver

Configuring the Scanner via barcodes:

- Scan the barcodes in the sequence below to configure the scanner to usb-serial mode.

JavaPOS configuration bar codes:

Set



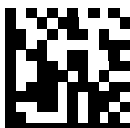
USB Virtual COM Port



JPOS Enable



End



Install the Java RXTXcomm API

In the \RXTXcomm folder, there are four files: rtxSerial.dll , rtxParallel.dll, and RXTXcomm.jar. Please do the following steps to install the library.

1. Copy rtxSerial.dll and rtxParallel.dll to C:\Windows\system32
2. Copy RXTXcomm.jar to your <JRE Install Folder>\lib directory.

Running the JavaPOS Test utility

Please run the test application to evaluate your installation.

How to Use JavaPOS Driver at your application

1. In the “\Driver” folder, copy “ZbtJavaPos.jar” and “jpos.xml” to your work folder.
2. Modify the jpos.xml .
3. Example of jpos.xml file content

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE JposEntries PUBLIC "-//JavaPOS//DTD//EN"
    "jpos/res/jcl.dtd">

<JposEntries>
<!--Saved by JavaPOS jpos.config/loader (JCL) version 2.2.0 on 2010/3/11 10:16-->

    <JposEntry logicalName="Z3172P">
        <creation factoryClass="com.zbt.jpos.ZbtJposServiceInstanceFactory"
serviceClass="com.zbt.jpos.ScannerService"/>
        <vendor name="" url=""/>
        <jpos category="Scanner" version="1.7"/>
        <product description="Scanners" name="Scanner" url=""/>

        <!--Other non JavaPOS required property (mostly vendor properties and bus specific properties i.e.
RS232 )-->
            <prop name="deviceType" type="String" value="2D"/>
            <prop name="deviceBus" type="String" value="RS232"/>
            <prop name="baudRate" type="String" value="115200"/>
            <prop name="parity" type="String" value="None"/>
            <prop name="portName" type="String" value="COM56"/>
            <prop name="flowControl" type="String" value="None"/>
            <prop name="stopBits" type="String" value="1"/>
            <prop name="dataBits" type="String" value="8"/>
        </JposEntry>

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE JposEntries PUBLIC "-//JavaPOS//DTD//EN"
    "jpos/res/jcl.dtd">

<JposEntries>

</JposEntries>
```