

Programming Guide

Advanced 2D Image Scanner

This Programming Guide is intended for:

- 2D Image On-Counter Scanner: Z-8182

Revision History

Changes to the original manual are listed below:

Version	Date	Description of Version
1.0	2020-05-27	Initial release
1.1	2021-11-9	Rephrased mobile phone scan support descriptions

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 HID
Good read beep length	50 msec
Terminal character	CR/LF
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

Beeps	Indication
1 red flash	A barcode has been successfully decoded.
Steady blue	Scanner is in work mode.
Red and blue interchange	Scanner is in standby.
Red flashing	Interface communication failed.
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.



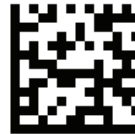
Read device information

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.



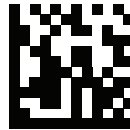
Set



Save customer's factory default



Delete customer's factory default



End

Scan Mode

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

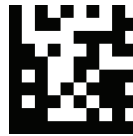
Presentation Mode: This mode allows automatic scan when barcodes are present in front of the scanner.

Continue Scan Mode: The scanner scans continuously and the illumination stays on all the time. After the barcode is transmitted, the same barcode is not allowed to transmit again.

Motion Mode: This mode offers fast scan speed to reading dynamic barcodes.



Set



Presentation Mode (Default)



Continue Scan Mode



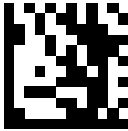
Motion Mode



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



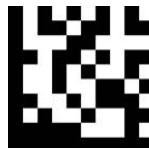
500 msec (Default)



1 sec



1.5 sec



2 sec



End

Standby Time for Presentation Modes

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



Set



15 seconds



1 minute



3 minutes



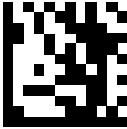
5 minutes (Default)



10 minutes



End



Set



15 minutes



20 minutes



25 minutes



30 minutes



Never



End

Motion Detect Sensibility for Presentation Mode

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



Set



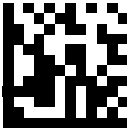
Level 1 (High)



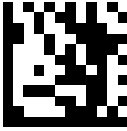
Level 2



Level 3



End



Set



Level 4



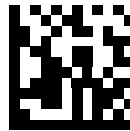
Level 5 (Default)



Level 6



Level 7



End



Set



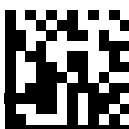
Level 8



Level 9



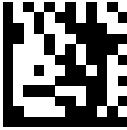
Level 10



End

Illumination LED Behavior

Set illumination behavior when device is in standby.



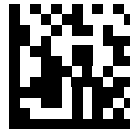
Set



Illumination LED Standby On



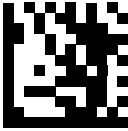
Illumination LED Standby Off
(Default)



End

Customization Gain Level for Presentation Mode

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



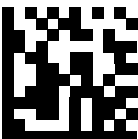
Level 3 (Default)



Level 4



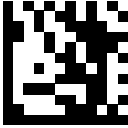
Level 5 (High)



End

Mobile Phone Scan Support

Enable or disable mobile phone scan support. When the mode is enabled, the illumination is turned off to avoid reflections from mobile phone screens. You may disable the mode by pressing the switches on the device.



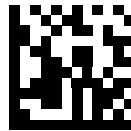
Set



Enable

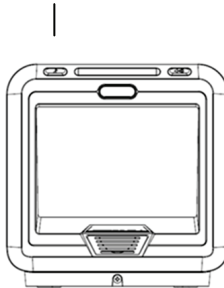


Disable (Default)



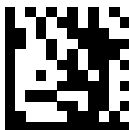
End

Mobile Phone Mode Switch



Power Up Beep On/ Off

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



Set



Off



On (Default)



End

Good Read Beep On/ Off

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



Set



On (Default)



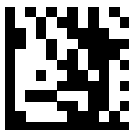
Off



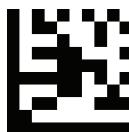
End

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



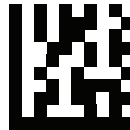
End

Interface Switch

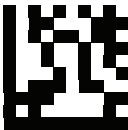
Your 2D Imager supports interfaces such as USB HID, RS232 serial, and USB virtual COM. To switch the interface, simply select the appropriate cable and configure the proper interface by following interface selection.



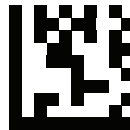
Set



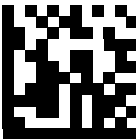
RS-232



USB HID



USB Virtual COM Port
*Driver required

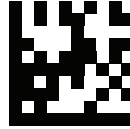


End

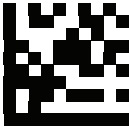
Terminal Character



Set

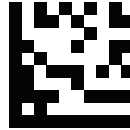


None



CR/LF

(USB V-COM Port & RS-232 Default)

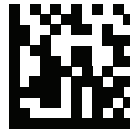


CR

(USB HID Default)



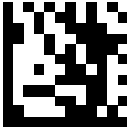
TAB



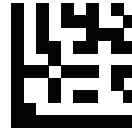
End

RS232 Baud Rate

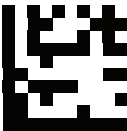
Baud rate is the number of bits of data transmitted per second. Set the imager's baud rate to match the baud rate setting of the host device. Otherwise, data may not reach the host device or may reach it in distorted form.



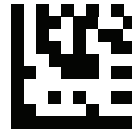
Set



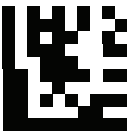
9600 (Default)



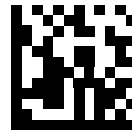
19200



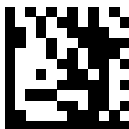
38400



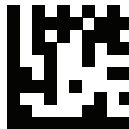
57600



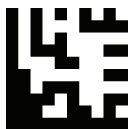
End



Set



115200



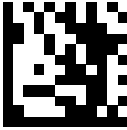
230400



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.



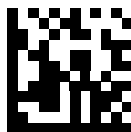
Set



1 Stop Bit (Default)



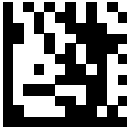
2 Stop Bit



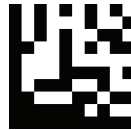
End

RS232 Data Bit

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



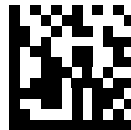
Set



CS7



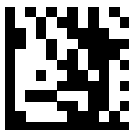
CS8 (Default)



End

USB Speed

Scan a barcode below to set USB speed.



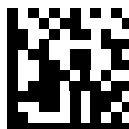
Set



USB 1.1 (Default)



USB 2.0



End

USB Output Speed for USB 1.1

Scan a barcode below to set USB 1.1 output speed.



Set



2



4



End



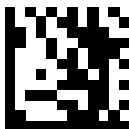
1 (Fastest)



3



5



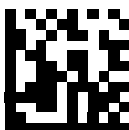
Set



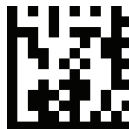
7



9



End



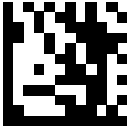
6



8



10 (Default)



Set



11



12



13



14



15



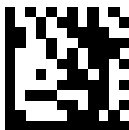
16 (Slowest)



End

Country Code

Scan the following settings to change the country code.



Set



US (Default)



Belgium



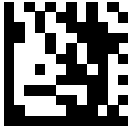
Britain



Denmark



End



Set



France



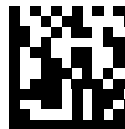
Germany



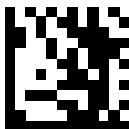
Italy



Norway



End



Set



Portugal



Spain



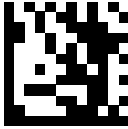
Sweden



Switzerland



End



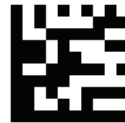
Set



Japan



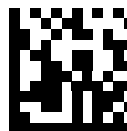
Hungary



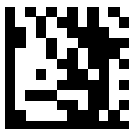
Czech Republic



Slovakia



End



Set



Romania



Croatia



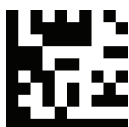
Poland



Finland



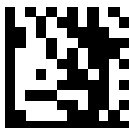
United Kingdom



Russia



End



Set



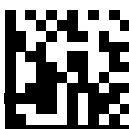
International Keyboard mode
(ALT mode)



Turkey-Q



Turkey-F



End

Persian/Arabic Language Encoding Support

Scan the following settings to change the encoding options.



Set



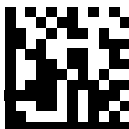
UTF-8 (Default)



ISO 8859-6



CP1256 (WINDOWS-1256)

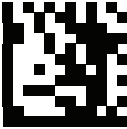


End

Readable Symbologies

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

All Symbologies



Set



Enable All



Default



End

UPC-A

Set



Enable UPC-A (Default)



Disable UPC-A



End

UPC-E



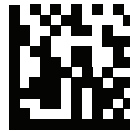
Set



Enable UPC-E



Disable UPC-E (Default)



End

EAN-8

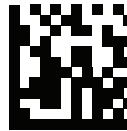
Set



Enable EAN 8 (Default)



Disable EAN 8



End

EAN 13



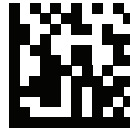
Set



Enable EAN 13 (Default)



Disable EAN 13



End

JAN code for Books



Set



Enable



Disable (Default)



End

Code 128



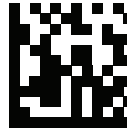
Set



Enable Code 128 (Default)



Disable Code 128



End

Code 39

Set



Enable Code 39 (Default)



Disable Code 39



End

Code 93



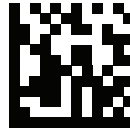
Set



Enable Code 93 (Default)



Disable Code 93



End

Code 32

Set



Enable Code 32

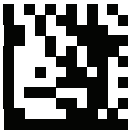


Disable Code 32 (Default)



End

Code 11



Set



Enable Code 11



Disable Code 11 (Default)



End

Codabar



Set



Enable Codabar (Default)



Disable Codabar



End

Plessey



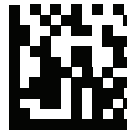
Set



Enable Plessey



Disable Plessey (Default)



End

MSI/Plessy



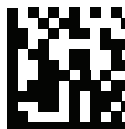
Set



Enable MSI/Plessy



Disable MSI/Plessy (Default)



End

Interleaved 2 of 5



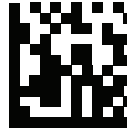
Set



Enable Interleaved 2 of 5 (Default)



Disable Interleaved 2 of 5



End

IATA 2 of 5

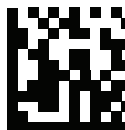
Set



Enable IATA 2 of 5



Disable IATA 2 of 5 (Default)



End

Matrix 2 of 5



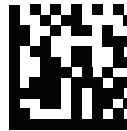
Set



Enable Matrix 2 of 5



Disable Matrix 2 of 5 (Default)



End

Straight 2 of 5



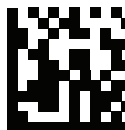
Set



Enable Straight 2 of 5



Disable Straight 2 of 5 (Default)



End

RSS 14 (GS1 DATABAR 14)



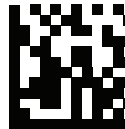
Set



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)



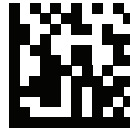
Set



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



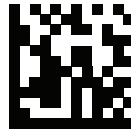
Set



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



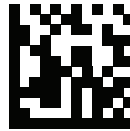
Set



Enable PDF417 (Default)



Disable PDF417



End

Micro PDF417

Set



Enable Micro PDF417 (Default)



Disable Micro PDF417



End

Data Matrix



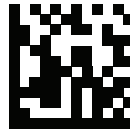
Set



Enable Data Matrix (Default)



Disable Data Matrix

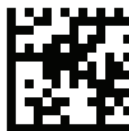


End

QR Code



Set



Enable QR Code (Default)



Disable QR Code

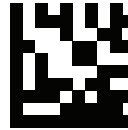


End

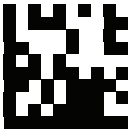
Micro QR Code



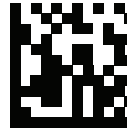
Set



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.



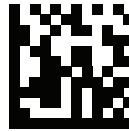
Set



Enable



Disable (Default)



End

GS1 DataBar Expanded Stacked



Set



Enable



Disable (Default)



End

GS1 DataBar 14 Stacked



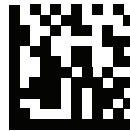
Set



Enable



Disable (Default)



End

Aztec



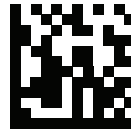
Set



Enable Aztec



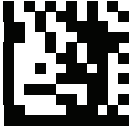
Disable Aztec (Default)



End

Pharmacode

(Pharmaceutical Binary Code)



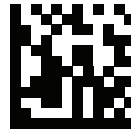
Set



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



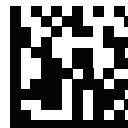
Set



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



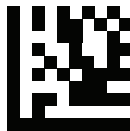
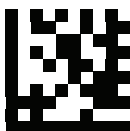
Disable decoding of 2/5-digit supplemental code for UPC-A, UPC-E, EAN-13, and EAN-8 (Default)



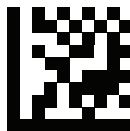
End

UPC-A

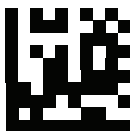
Set

Enable UPC-A Number System digit
(Default)

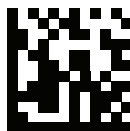
Disable UPC-A Number System digit



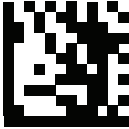
Enable UPC-A check digit (Default)



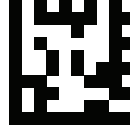
Disable UPC-A check digit



End



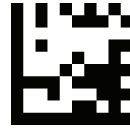
Set



Enable conversion of UPC-A to EAN13



Disable conversion of UPC-A to EAN13
(Default)



Enable Leading Character

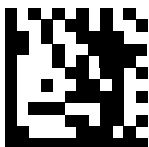


Disable Leading Character (Default)



End

UPC-A Data Redundant Check



Set



Off (Default)



1



2



3

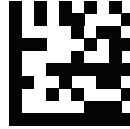


End

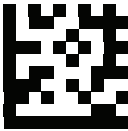
UPC-E



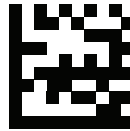
Set



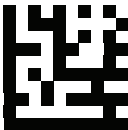
Enable UPC-E Number System digit
(Default)



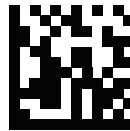
Disable UPC-E Number System digit



Enable UPC-E check digit (Default)



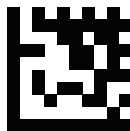
Disable UPC-E check digit



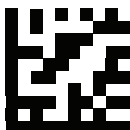
End



Set



Enable conversion of UPC-E to UPC-A

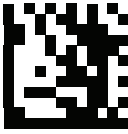


Disable conversion of UPC-E to UPC-A
(Default)

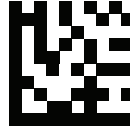


End

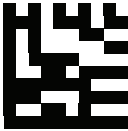
EAN 8



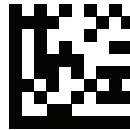
Set



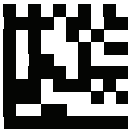
Enable EAN 8 check digit (Default)



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)



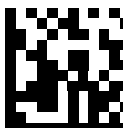
1



2

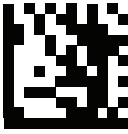


3

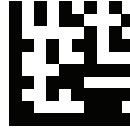


End

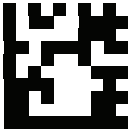
EAN 13



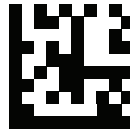
Set



Enable EAN 13 check digit (Default)



Disable EAN 13 check digit



Enable conversion of EAN 13 to ISBN



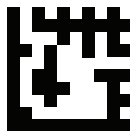
Disable conversion of EAN 13 to ISBN
(Default)



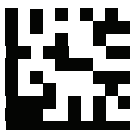
End



Set



Enable conversion of EAN 13 to ISSN

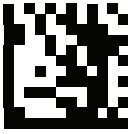


Disable conversion of EAN 13 to ISSN
(Default)



End

EAN 13 Data Redundant Check



Set



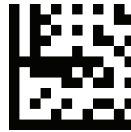
1



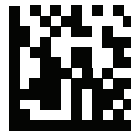
3



Off (Default)

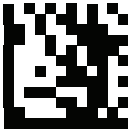


2

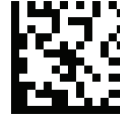


End

JAN code for Books Separator



Set



[TAB] key x 2



[SPACE] key x 3

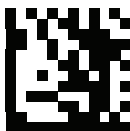


Others char Separator

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



End



Set



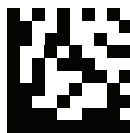
None (Default)



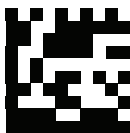
End

Code 39

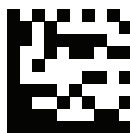
Set



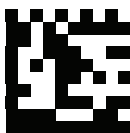
Enable Code 39 full ASCII mode



Disable Code 39 full ASCII mode (Default)



Enable Start and Stop characters



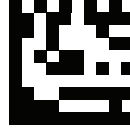
Disable Start and Stop characters (Default)



End



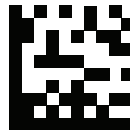
Set



Disable Checksum (Default)



Enable checksum and send check character



Enable checksum and strip check character



End

Code 39 Data Redundant Check



Set



Off (Default)



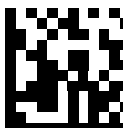
1



2

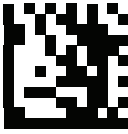


3

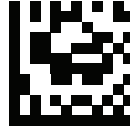


End

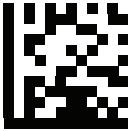
Codabar



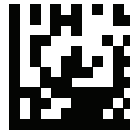
Set



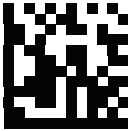
Disable Checksum (Default)



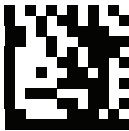
Enable checksum and send check character



Enable checksum and strip check character



End



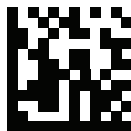
Set



Enable stripping Start and Stop characters
(Default)

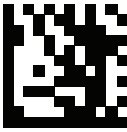


Disable stripping Start and Stop characters



End

Codabar Redundant Check



Set



Off



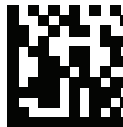
1



2 (Default)



3



End

Code 93 Data Redundant Check



Set



Off (Default)



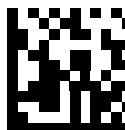
1



2

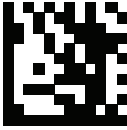


3



End

Code 128 Redundant Check



Set



Off



1



2 (Default)



3

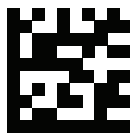


End

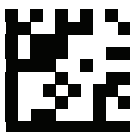
Interleaved 2 of 5



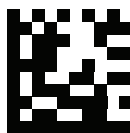
Set



Disable Checksum (Default)



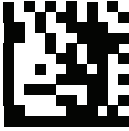
Enable checksum and send check character



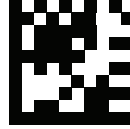
Enable checksum and strip check character



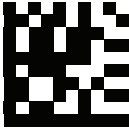
End



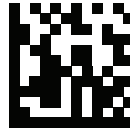
Set



Default quiet zone checking
No length checking performed (Default)

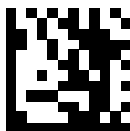


Smaller quiet zone allowed



End

Interleaved 2 of 5 Data Redundant Check



Set



Off (Default)



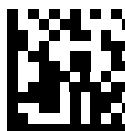
1



2

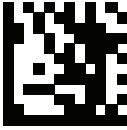


3

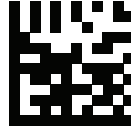


End

MSI / Plessey



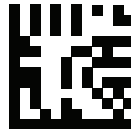
Set



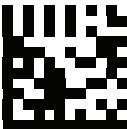
Disable MSI Plessey checksum



Mod 10 checksum (Default)



Mod 10/10 checksum



Mod 11/10 checksum



End



Set



Strip checksum character(s)

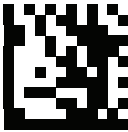


Output checksum character(s) (Default)

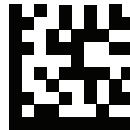


End

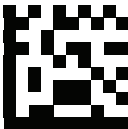
Code 11



Set



Output checksum character(s)



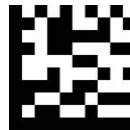
Strip checksum character(s) (Default)



Disable checksum checking



Enable 1-digit checksum checking



Enable 2-digit checksum checking
(Default)

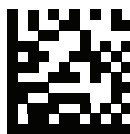


End

Data Matrix



Set



Enable mirror decoding (Default)



Disable mirror decoding



Enable rectangular Data Matrix decoding



Disable rectangular Data Matrix decoding
(Default)

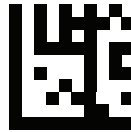


End

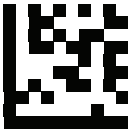
QR / Micro QR



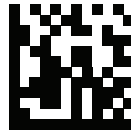
Set



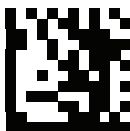
Enable mirror decoding (Default)



Disable mirror decoding



End



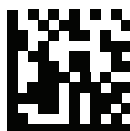
Set



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



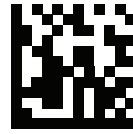
Set



Enable



Disable (Default)

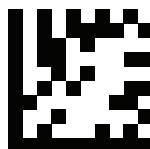


End

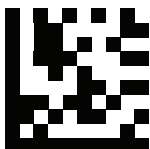
Aztec



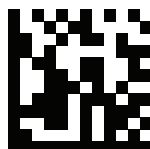
Set



Enable mirror decoding (Default)

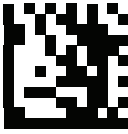


Disable mirror decoding



End

FNC1 GS Substitution Values



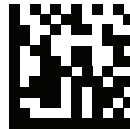
Set



“Ctrl+]” (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)



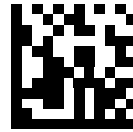
1



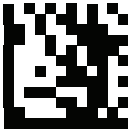
2



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 character



Enable 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

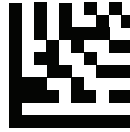
1. Scan Set.
2. Enable barcode type.
3. Scan prefix you would like to add characters within ASCII Table. Up to 4 digits can be added.
4. Scan End.

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.

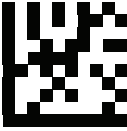
All Prefix



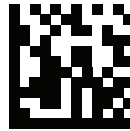
Set



Enable All



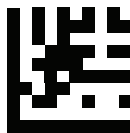
Disable All (Default)



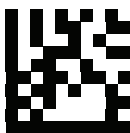
End

UPC / EAN Prefix

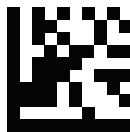
Set



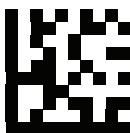
Enable UPC-A



Disable UPC-A



Enable UPC-E



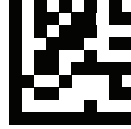
Disable UPC-E



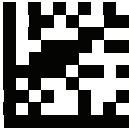
End



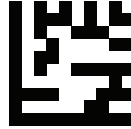
Set



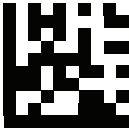
Enable EAN 8



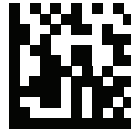
Disable EAN 8



Enable EAN 13



Disable EAN 13

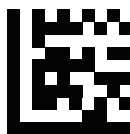


End

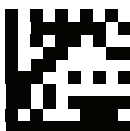
Code 128 Prefix



Set



Enable Code 128



Disable Code 128

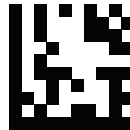


End

Code 39 Prefix



Set



Enable Code 39



Disable Code 39



End

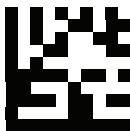
Code 93 Prefix



Set



Enable Code 93



Disable Code 93



End

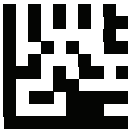
Code 32 Prefix



Set



Enable Code 32



Disable Code 32

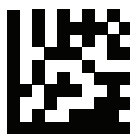


End

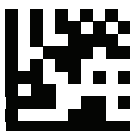
Code 11 Prefix



Set



Enable Code 11



Disable Code 11

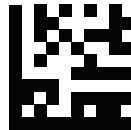


End

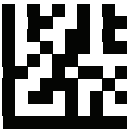
Codabar Prefix



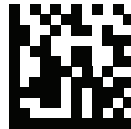
Set



Enable Codabar



Disable Codabar

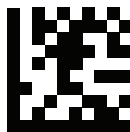


End

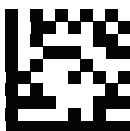
Plessey Prefix



Set



Enable Plessey



Disable Plessey

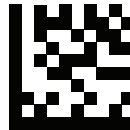


End

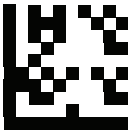
MSI Prefix



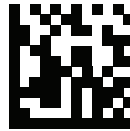
Set



Enable MSI



Disable MSI

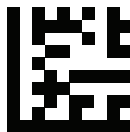


End

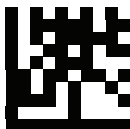
Interleaved 2 of 5 Prefix



Set



Enable Interleaved 2 of 5



Disable Interleaved 2 of 5

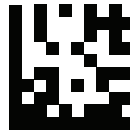


End

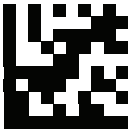
IATA 2 of 5 Prefix



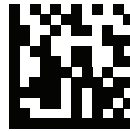
Set



Enable IATA 2 of 5



Disable IATA 2 of 5



End

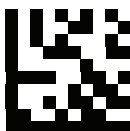
Matrix 2 of 5 Prefix



Set



Enable Matrix 2 of 5



Disable Matrix 2 of 5

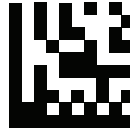


End

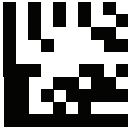
Straight 2 of 5 Prefix



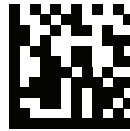
Set



Enable Straight 2 of 5



Disable Straight 2 of 5



End

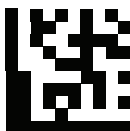
RSS 14 Prefix (GS1 DATABAR 14 Prefix)



Set



Enable RSS 14 (GS1 DATABAR 14 Prefix)

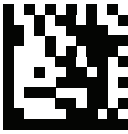


Disable RSS 14 (GS1 DATABAR 14 Prefix)

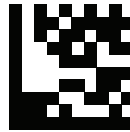


End

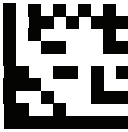
RSS Expanded Prefix (GS1 DATABAR Expanded Prefix)



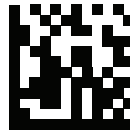
Set



Enable RSS Expanded (GS1 DATABAR Expanded Prefix)



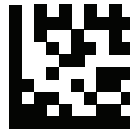
Disable RSS Expanded (GS1 DATABAR Expanded Prefix)



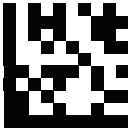
End

RSS Limited Prefix (GS1 DATABAR Limited Prefix)

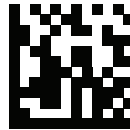
Set



Enable RSS Limited (GS1 DATABAR Limited Prefix)



Disable RSS Limited (GS1 DATABAR Limited Prefix)

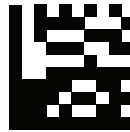


End

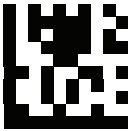
Component CC-A Prefix



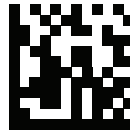
Set



Enable Component CC-A



Disable Component CC-A

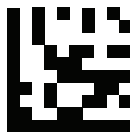


End

Component CC-B Prefix



Set



Enable Component CC-B



Disable Component CC-B

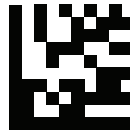


End

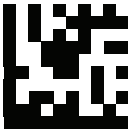
Component CC-C Prefix



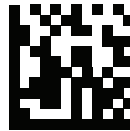
Set



Enable Component CC-C



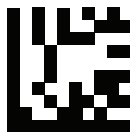
Disable Component CC-C



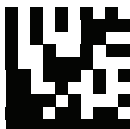
End

PDF 417 Prefix

Set



Enable PDF 417



Disable PDF 417



End

Micro PDF 417 Prefix



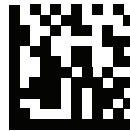
Set



Enable Micro PDF 417



Disable Micro PDF 417

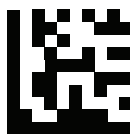


End

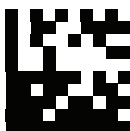
Data Matrix Prefix



Set



Enable Data Matrix



Disable Data Matrix

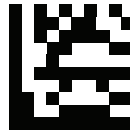


End

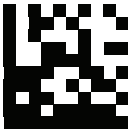
QR Prefix



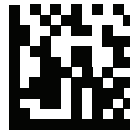
Set



Enable QR Code



Disable QR Code

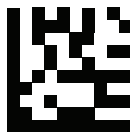


End

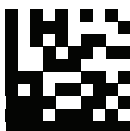
Micro QR Prefix



Set



Enable Micro QR



Disable Micro QR

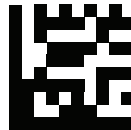


End

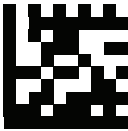
Aztec Prefix



Set



Enable Aztec



Disable Aztec

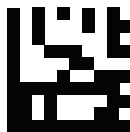


End

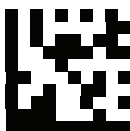
MaxiCode Prefix



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

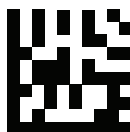
1. Scan Set.
2. Enable barcode type.
3. Scan suffix you would like to add characters within ASCII Table. Up to 4 digits can be added.
4. Scan End.

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.

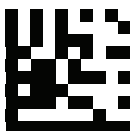
All Suffix



Set



Enable All



Disable All (Default)

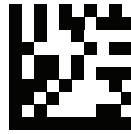


End

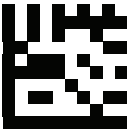
UPC-A Suffix



Set



Enable UPC-A



Disable UPC-A

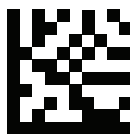


End

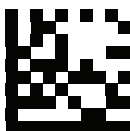
UPC-E Suffix



Set



Enable UPC-E



Disable UPC-E

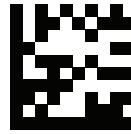


End

EAN 8 Suffix



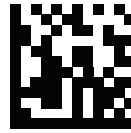
Set



Enable EAN 8



Disable EAN 8

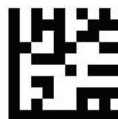


End

EAN 13 Suffix



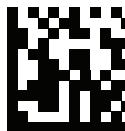
Set



Enable EAN 13



Disable EAN 13

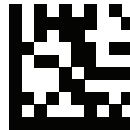


End

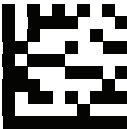
Code 128 Suffix



Set



Enable Code 128



Disable Code 128

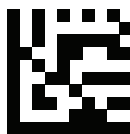


End

Code 39 Suffix



Set



Enable Code 39



Disable Code 39

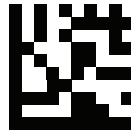


End

Code 93 Suffix



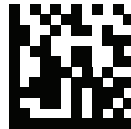
Set



Enable Code 93



Disable Code 93

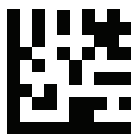


End

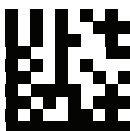
Code 32 Suffix



Set



Enable Code 32



Disable Code 32

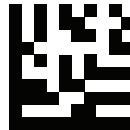


End

Code 11 Suffix



Set



Enable Code 11



Disable Code 11

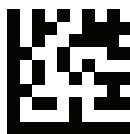


End

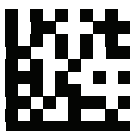
Codabar Suffix



Set



Enable Codabar



Disable Codabar

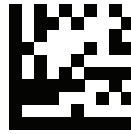


End

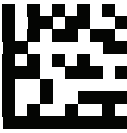
Plessey Suffix



Set



Enable Plessey



Disable Plessey

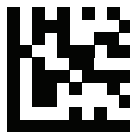


End

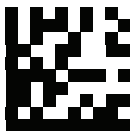
MSI Suffix



Set



Enable MSI



Disable MSI

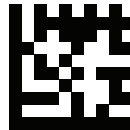


End

Interleaved 2 of 5 Suffix



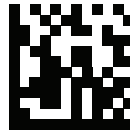
Set



Enable Interleaved 2 of 5



Disable Interleaved 2 of 5

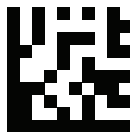


End

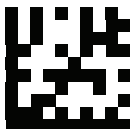
IATA 2 of 5 Suffix



Set



Enable IATA 2 of 5



Disable IATA 2 of 5

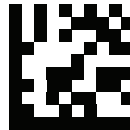


End

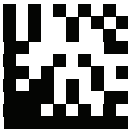
Matrix 2 of 5 Suffix



Set



Enable Matrix 2 of 5



Disable Matrix 2 of 5

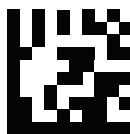


End

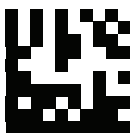
Straight 2 of 5 Suffix



Set



Enable Straight 2 of 5



Disable Straight 2 of 5

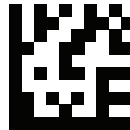


End

RSS 14 Suffix (GS1 DATABAR 14 Suffix)



Set



Enable RSS 14 (GS1 DATABAR 14 Suffix)

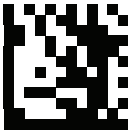


Disable RSS 14 (GS1 DATABAR 14 Suffix)

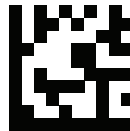


End

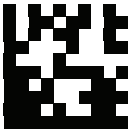
RSS Expanded Suffix (GS1 DATABAR Expanded Suffix)



Set



Enable RSS Expanded (GS1 DATABAR
Expanded Suffix)



Disable RSS Expanded (GS1 DATABAR
Expanded Suffix)



End

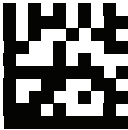
RSS Limited Suffix (GS1 DATABAR Limited Suffix)



Set



Enable RSS Limited (GS1 DATABAR Limited Suffix)



Disable RSS Limited (GS1 DATABAR Limited Suffix)

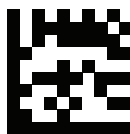


End

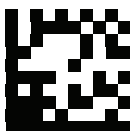
Component CC-A Suffix



Set



Enable Component CC-A

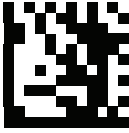


Disable Component CC-A

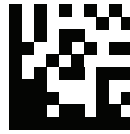


End

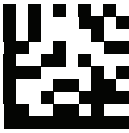
Component CC-B Suffix



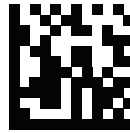
Set



Enable Component CC-B



Disable Component CC-B

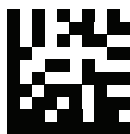


End

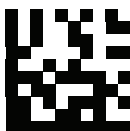
Component CC-C Suffix



Set



Enable Component CC-C



Disable Component CC-C

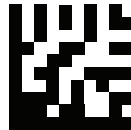


End

PDF-417 Suffix



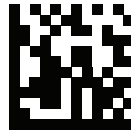
Set



Enable PDF417



Disable PDF417

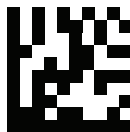


End

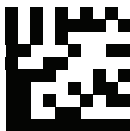
Micro PDF-417 Suffix



Set



Enable Micro PDF417



Disable Micro PDF417

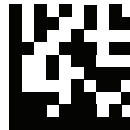


End

Data Matrix Suffix



Set



Data Matrix Enable



Data Matrix Disable

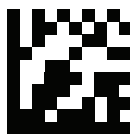


End

QR Code Suffix



Set



QR Code Enable



QR Code Disable

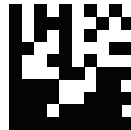


End

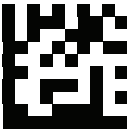
Micro QR Suffix



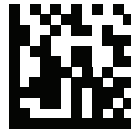
Set



Micro QR Enable



Micro QR Disable

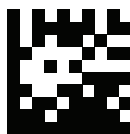


End

Aztec Suffix



Set



Aztec Enable



Aztec Disable



End

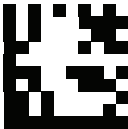
MaxiCode Suffix



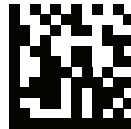
Set



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 Symbolgies Truncate/Return



Set



Return leftmost



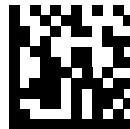
Truncate leftmost



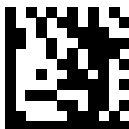
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable All (Default)



End

Set UPC-A Truncate/Return



Set



Return leftmost



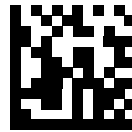
Truncate leftmost



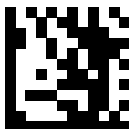
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

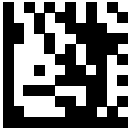


Disable (Default)



End

Set UPC-E Truncate/Return



Set



Return leftmost



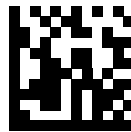
Truncate leftmost



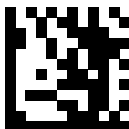
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

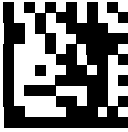


Disable (Default)



End

Set EAN-8 Truncate/Return



Set



Return leftmost



Truncate leftmost



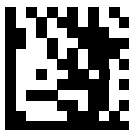
Return rightmost



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

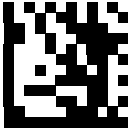


Disable (Default)



End

Set Code 128 Truncate/Return



Set



Return leftmost



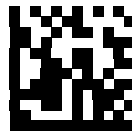
Truncate leftmost



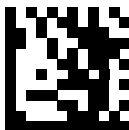
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set Code 39 Truncate/Return



Set



Return leftmost



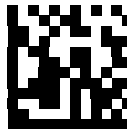
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set Code 93 Truncate/Return



Set



Return leftmost



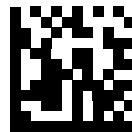
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



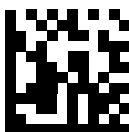
Return middle



Truncate middle



Disable (Default)



End

Set Code 32 Truncate/Return



Set



Return leftmost



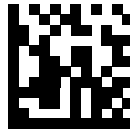
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

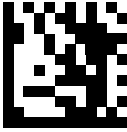


Disable (Default)



End

Set Code 11 Truncate/Return



Set



Return leftmost



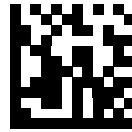
Truncate leftmost



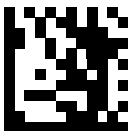
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set Codabar Truncate/Return



Set



Return leftmost



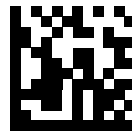
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set Plessey Truncate/Return



Set



Return leftmost



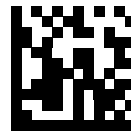
Truncate leftmost



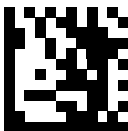
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set MSI (Modified Plessey) Truncate/Return



Set



Return leftmost



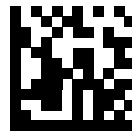
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set Interleaved 2 of 5 Truncate/Return



Set



Return leftmost



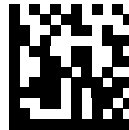
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



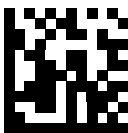
Return middle



Truncate middle



Disable (Default)



End

Interleaved 2 of 5 (ITF).ReturnLeft.4

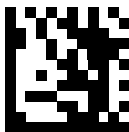


Enable



Disable (default)

Set IATA 2 of 5 Truncate/Return



Set



Return leftmost



Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



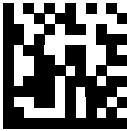
Return middle



Truncate middle



Disable (Default)



End

Set Matrix 2 of 5 Truncate/Return



Set



Return leftmost



Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



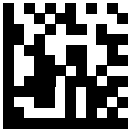
Return middle



Truncate middle



Disable (Default)



End

Set Straight 2 of 5 Truncate/Return



Set



Return leftmost



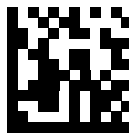
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



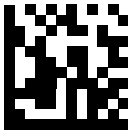
Return middle



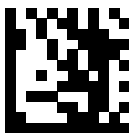
Truncate middle



Disable (Default)



End

Set RSS 14 (GS1 DataBar) Truncate/Return

Set



Return leftmost



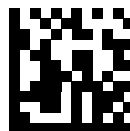
Truncate leftmost



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



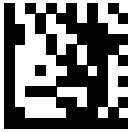
Return rightmost



Truncate rightmost



End



Set



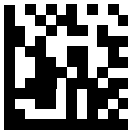
Return middle



Truncate middle



Disable (Default)



End

Set RSS Limited (GS1 DataBar Limited) Truncate/Return

Set



Return leftmost



Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



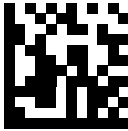
Return middle



Truncate middle



Disable (Default)



End

Set Component CC-A Truncate/Return



Set



Return leftmost



Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



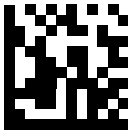
Return middle



Truncate middle

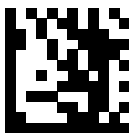


Disable (Default)



End

Set Component CC-B Truncate/Return



Set



Return leftmost



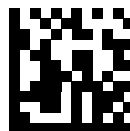
Truncate leftmost



Return rightmost



Truncate rightmost



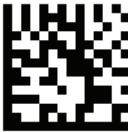
End



Set



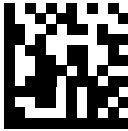
Return middle



Truncate middle

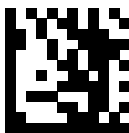


Disable (Default)



End

Set Component CC-C Truncate/Return



Set



Return leftmost



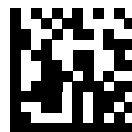
Truncate leftmost



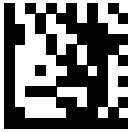
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set PDF 417 Truncate/Return



Set



Return leftmost



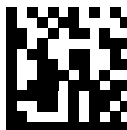
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



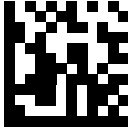
Return middle



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

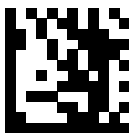


Disable (Default)



End

Set Data Martrix Truncate/Return



Set



Return leftmost



Truncate rightmost



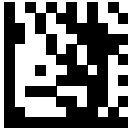
Return rightmost



Truncate leftmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set QR Truncate/Return



Set



Return leftmost



Truncate leftmost



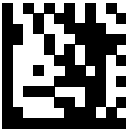
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

Set Micro QR Truncate/Return



Set



Return leftmost



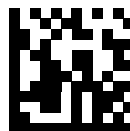
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

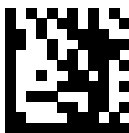


Disable (Default)



End

Set Aztec Truncate/Return



Set



Return leftmost



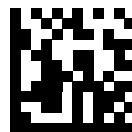
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



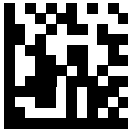
Return middle



Truncate middle

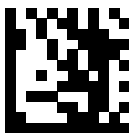


Disable (Default)



End

Set MaxiCode Truncate/Return



Set



Return leftmost



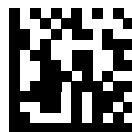
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



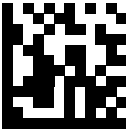
Return middle



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

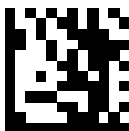
- Any Length

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



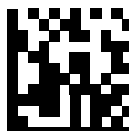
Two Discrete Lengths



Length Within Range



Any Length (Default)



End

Set Lengths for Code 39



Set



One Discrete Length



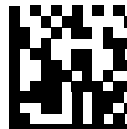
Two Discrete Lengths



Length Within Range

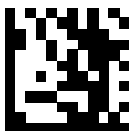


Any Length (Default)



End

Set Lengths for Code 93



Set



One Discrete Length



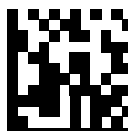
Two Discrete Lengths



Length Within Range



Any Length (Default)

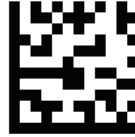


End

Set Lengths for Codabar



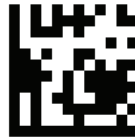
Set



One Discrete Length



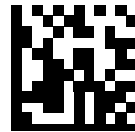
Two Discrete Lengths



Length Within Range

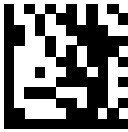


Any Length (Default)



End

Set Lengths for Interleaved 2 of 5



Set



One Discrete Length



Two Discrete Lengths



Length Within Range

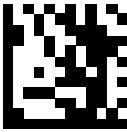


Any Length (Default)



End

Set Lengths for Code 11



Set



One Discrete Length



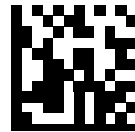
Two Discrete Lengths



Length Within Range

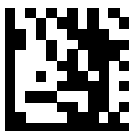


Any Length (Default)



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



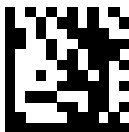
Any Length (Default)



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	l	]l
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

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.



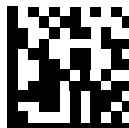
Set



Disable Function Key Mapping (Default)



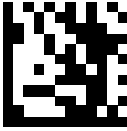
Enable Function Key Mapping



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].



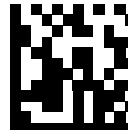
Set



Disable Function Key Extended (Default)



Enable Function Key Extended



End

ASCII Code

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



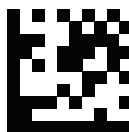
Space



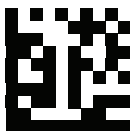
!



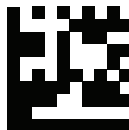
"



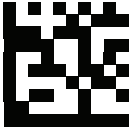
#



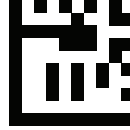
\$



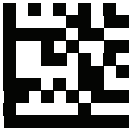
%



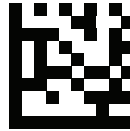
&



!



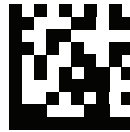
(



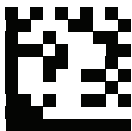
)



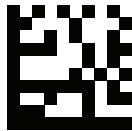
*



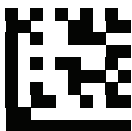
+



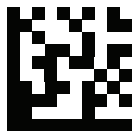
/



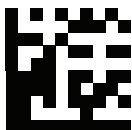
-



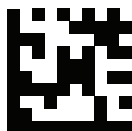
.



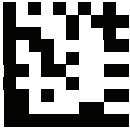
/



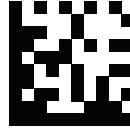
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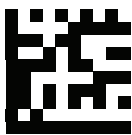
?



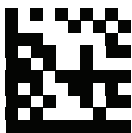
@



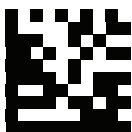
Enter



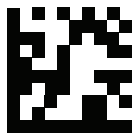
0



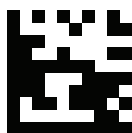
2



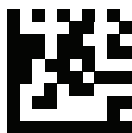
4



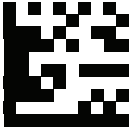
1



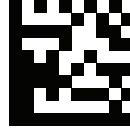
3



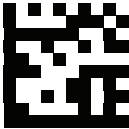
5



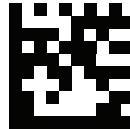
6



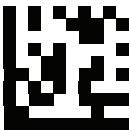
7



8

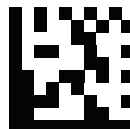


9



A

(Function Key
Mapping: Ctrl+a)



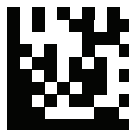
B

(Function Key
Mapping: Ctrl+b)



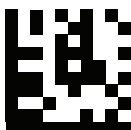
C

(Function Key
Mapping: Ctrl+c)



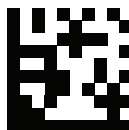
D

(Function Key
Mapping: Ctrl+d)



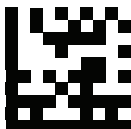
E

(Function Key
Mapping: Ctrl+e)



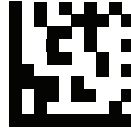
F

(Function Key
Mapping: Ctrl+f)



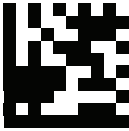
G

(Function Key
Mapping: Ctrl+g)



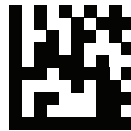
H

(Function Key Mapping: Ctrl+h)



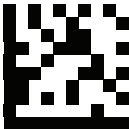
I

(Function Key Mapping: Ctrl+i)



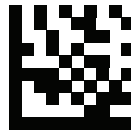
J

(Function Key Mapping: Ctrl+j)



K

(Function Key Mapping: Ctrl+k)

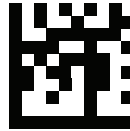


L

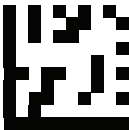
(Function Key Mapping: Ctrl+l)



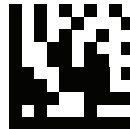
M
(Function Key
Mapping: Ctrl+m)



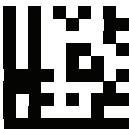
N
(Function Key
Mapping: Ctrl+n)



O
(Function Key
Mapping: Ctrl+o)



P
(Function Key
Mapping: Ctrl+p)



Q
(Function Key
Mapping: Ctrl+q)



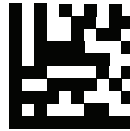
S

(Function Key Mapping: Ctrl+s)



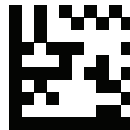
U

(Function Key Mapping: Ctrl+u)



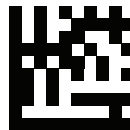
R

(Function Key Mapping: Ctrl+r)



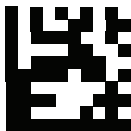
T

(Function Key Mapping: Ctrl+t)

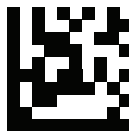


V

(Function Key Mapping: Ctrl+v)



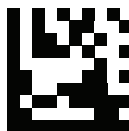
W
(Function Key
Mapping: Ctrl+w)



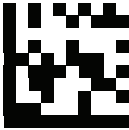
X
(Function Key
Mapping: Ctrl+x)



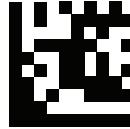
Y
(Function Key
Mapping: Ctrl+y)



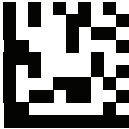
Z
(Function Key
Mapping: Ctrl+z)



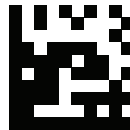
a



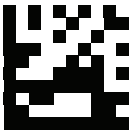
b



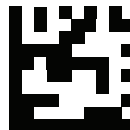
c



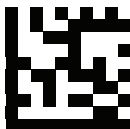
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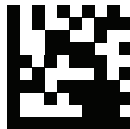
e



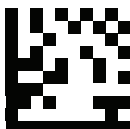
f



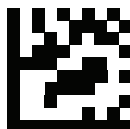
g



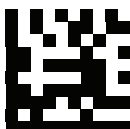
h



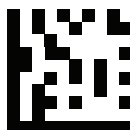
i



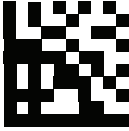
j



k



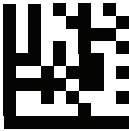
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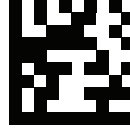
m



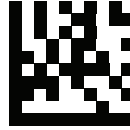
o



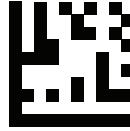
q



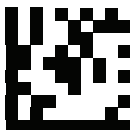
n



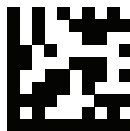
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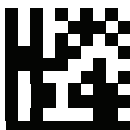
r



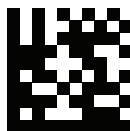
s



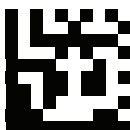
t



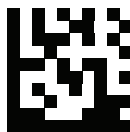
u



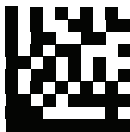
v



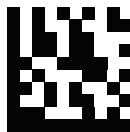
w



x



y



z



Insert



Delete



Home



End



Up arrow



Down arrow



Left arrow



Right arrow



Tab



Backspace



Shift



ESC



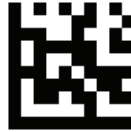
Page up



Page down



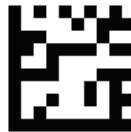
F1



F2



F3



F4



F5



F6



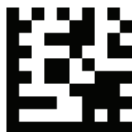
F7



F8



F9



F10



F11



F12

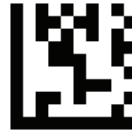
USB Virtual COM Driver Installing

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).

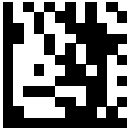


JavaPOS Setting

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.



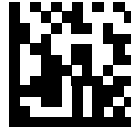
Set



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

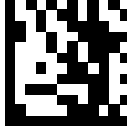
In the \RXTXcomm folder, there are four files: rtxSerial.dll , rtxParallel.dll, and RXTXcomm.jar. Please do the following steps to install the library.

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

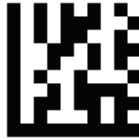
Use barcodes to configure the scanner

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

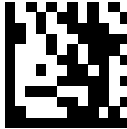
How to use USB scanner with JavaPOS Driver

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



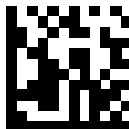
USB Virtual COM Port



JPOS Enable



End



Install the Java RTXcomm API

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

1. Copy rtxSerial.dll and rtxParallel.dll to C:\Windows\system32
2. Copy RTXcomm.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>
```