

Programming Guide

Advanced 2D Image Scanner

This Programming Guide is intended for:

- 2D Image Hands-Free Scanner: Z-8072 Ultra

Revision History

Changes to the original manual are listed below:

Version	Date	Description of Version
1.0	2019/03/04	Initial release
1.1	2019/04/03	Added Turkey country codes
1.2	2019/05/16	Deleted post codes
1.3	2019/05/29	Keyboard caps lock state function added
1.4	2019/07/24	Added beep after good decode setup
1.5	2020/5/15	Micro QR enable/disable code replaced
1.6	2022/11/8	Added default symbologies
1.7	2022/12/27	Corrected USB speed default

Important Notice

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General Handling Precautions

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

Guidance for Printing

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

Firmware Notice

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

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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

Settings and Programming

Scan selected barcodes in this manual to affect setup and programming of your handheld imaging 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.

Default Symbolologies

Symbology	Default
UPC-A	Enable
UPC-E	Enable
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	Disable
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 (GS1 DATABAR 14)	Enable
RSS Expanded (GS1 DataBar Expanded)	Enable
RSS Limited (GS1 DataBar Limited)	Enable
GS1-128 AIM ID	Disable
GS1-2D AIM ID	Disable
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
Aztec	Disable
MaxiCode	Disable
GS1 DataBar 14 Stacked	Disable
GS1 DataBar Expanded Stacked	Disable

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



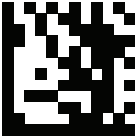
Factory default settings



End

Customer's Factory Default

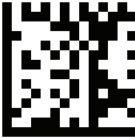
Scan barcodes below to set or delete customer's factory default.



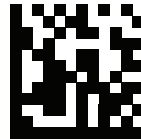
Set



Save customer's factory default



Delete customer's factory default



End

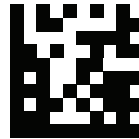
Scan Mode

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

Presentation and Continue Scan modes allow automatic scan when barcodes are present in front of the scanner. In Continue Scan mode, the scan LED stays active and continues to decode. Trigger mode allows triggered scans.



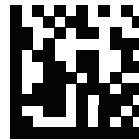
Set



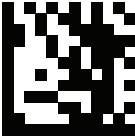
Presentation Mode
(Default)



Continue Scan Mode



End



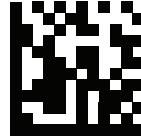
Set



Auto Scan Mode



Continue Scan Mode - Enhance



End

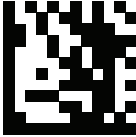
Continue Mode behavior

Auto

Default behavior, offers maximum depth of field.

Regular

Set scanner to regular to reduce working range.



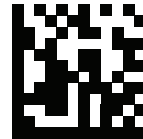
Set



Regular



Auto (Default)



End

Same Code Delay Time for Continue Scan Mode

Scan a barcode below to select the duration of the delay time for scan code.



Set



500 msec



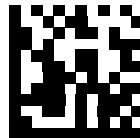
1 sec (Default)



1.5 sec



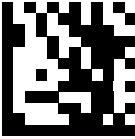
2 sec



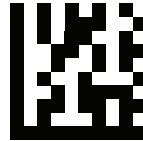
End

Interface Switch

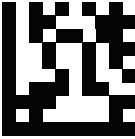
Your 2D Imager supports interfaces such as USB HID, RS232 serial, and USB virtual COM. To switch the interface, simply select the appropriate cable and configure the proper interface by following interface selection.



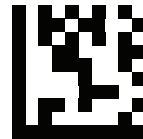
Set



RS-232



USB Keyboard (Default)



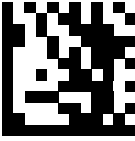
USB Virtual COM Port
*Driver required



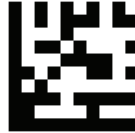
End

Good Read Beep Length

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



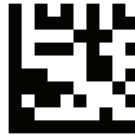
Set



50 msec (Default)



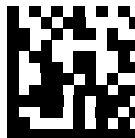
100 msec



150 msec



200 msec



End

Good Read Beep Frequency

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



Set



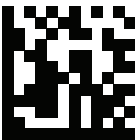
Low



Medium (Default)



High



End

Beep After Good Decode

Scan a barcode below to enable or disable beep after a good decode.



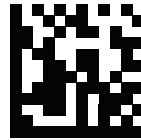
Set



Enable (Default)



Disable



End

Aiming Pattern

Aiming pattern works as an aiming system to aid in barcode reading. Use the following settings to enable or disable this function. This function is for supporting models only.



Set



Auto



Always Off (Default)



Always On



End

Motion Detect Sensibility



Set



Level 1 (Low)



Level 2



Level 3 (Default)



Level 4



Level 5 (High)



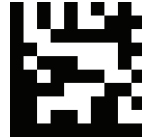
End

Phone Mode

LED turns to yellow when Phone mode is enabled.



Set



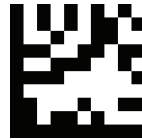
Phone key enable

Trigger key is used for Phone mode switch



Phone key disable (Default)

Trigger key is used for scanning



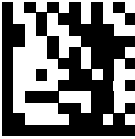
Phone mode enable



Phone mode disable (Default)



End



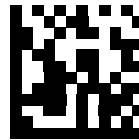
Set



Phone mode enable
(Illumination LED Standby off)

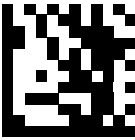


Phone mode enable
(Illumination LED Standby Low)

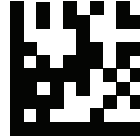


End

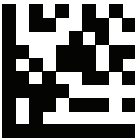
Terminal Character



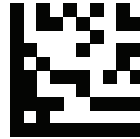
Set



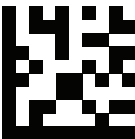
None



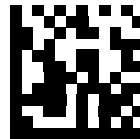
CR/LF (Default)



CR



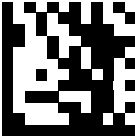
TAB



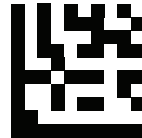
End

RS232 Baud Rate

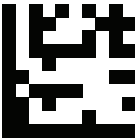
Baud rate is the number of bits of data transmitted per second. Set the imager's baud rate to match the baud rate setting of the host device. Otherwise, data may not reach the host device or may reach it in distorted form.



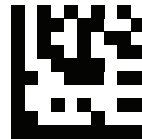
Set



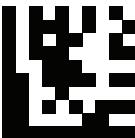
9600 (Default)



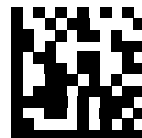
19200



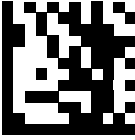
38400



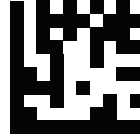
57600



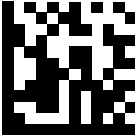
End



Set



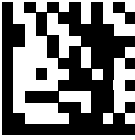
115200



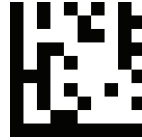
End

RS232 Parity Bit

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



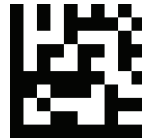
Set



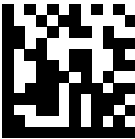
None (Default)



Even parity



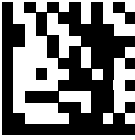
Odd parity



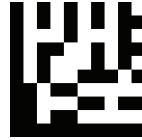
End

RS232 Stop Bit

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



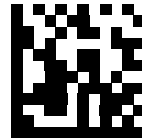
Set



1 Stop Bit (Default)



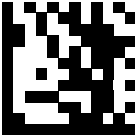
2 Stop Bit



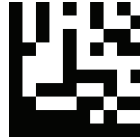
End

RS232 Data Bit

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



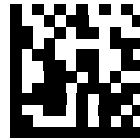
Set



CS7



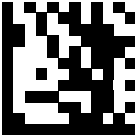
CS8 (Default)



End

USB Speed

Scan the following settings to change the USB speed.



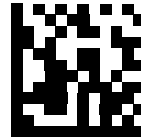
Set



USB 2.0



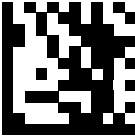
USB 1.1 (Default)



End

Country Code

Scan the following settings to change the country code.



Set



US (Default)



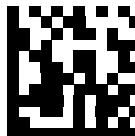
Belgium



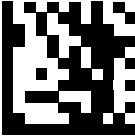
Britain



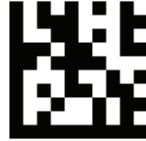
Denmark



End



Set



France



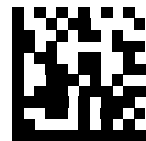
Germany



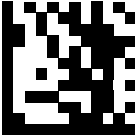
Italy



Norway



End



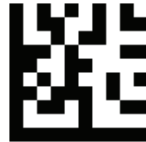
Set



Portugal



Spain



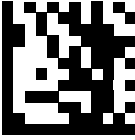
Sweden



Switzerland



End



Set



Japan



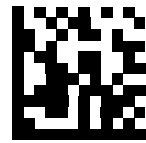
Hungary



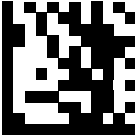
Czech Republic



Slovakia



End



Set



Romania



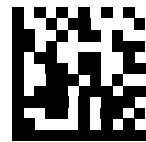
Croatia



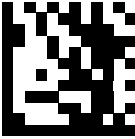
Poland



International Keyboard mode
(ALT mode)



End



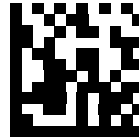
Set



Turkey-Q



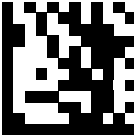
Turkey-F



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



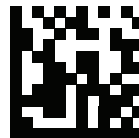
Set



Enable All



Default



End

UPC-A



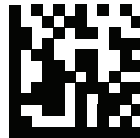
Set



Enable UPC-A (Default)



Disable UPC-A



End

UPC-E

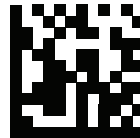
Set



Enable UPC-E (Default)



Disable UPC-E



End

EAN-8



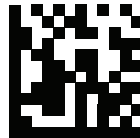
Set



Enable EAN 8 (Default)



Disable EAN 8



End

EAN 13

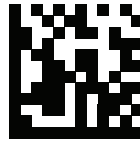
Set



Enable EAN 13 (Default)



Disable EAN 13

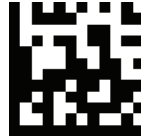


End

JAN code for Books



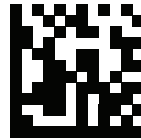
Set



Enable



Disable (Default)



End

Code 128

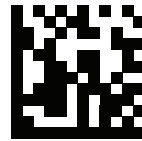
Set



Enable Code 128 (Default)



Disable Code 128



End

Code 39



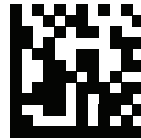
Set



Enable Code 39 (Default)



Disable Code 39



End

Code 93

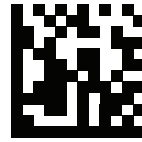
Set



Enable Code 93 (Default)



Disable Code 93



End

Code 32



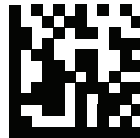
Set



Enable Code 32



Disable Code 32 (Default)



End

Code 11

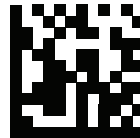
Set



Enable Code 11



Disable Code 11 (Default)



End

Codabar



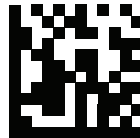
Set



Enable Codabar (Default)



Disable Codabar



End

Plessey



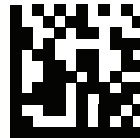
Set



Enable Plessey



Disable Plessey (Default)



End

MSI/Plessy



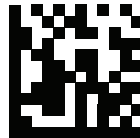
Set



Enable MSI/Plessy



Disable MSI/Plessy (Default)



End

Interleaved 2 of 5



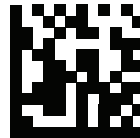
Set



Enable Interleaved 2 of 5 (Default)



Disable Interleaved 2 of 5



End

IATA 2 of 5



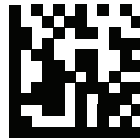
Set



Enable IATA 2 of 5



Disable IATA 2 of 5 (Default)



End

Matrix 2 of 5



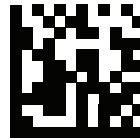
Set



Enable Matrix 2 of 5



Disable Matrix 2 of 5 (Default)



End

Straight 2 of 5



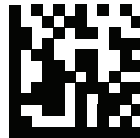
Set



Enable Straight 2 of 5



Disable Straight 2 of 5 (Default)



End

RSS 14 (GS1 DATABAR 14)

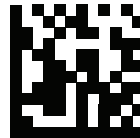
Set



Enable RSS 14 (GS1 DATABAR 14) (Default)



Disable RSS 14 (GS1 DATABAR 14)



End

RSS Expanded (GS1 DataBar Expanded)



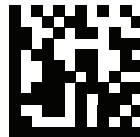
Set



Enable RSS Expanded (GS1 DataBar Expanded) (Default)



Disable RSS Expanded (GS1 DataBar Expanded)



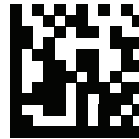
End

RSS Limited (GS1 DataBar Limited)

Set

Enable RSS Limited (GS1 DataBar Limited)
(Default)

Disable RSS Limited (GS1 DataBar Limited)



End

GS1-128 AIM ID



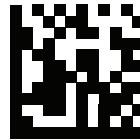
Set



Enable



Disable (Default)



End

GS1-2D AIM ID

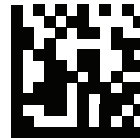
Set



Enable



Disable (Default)



End

Component CC-A



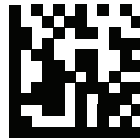
Set



Enable Component CC-A



Disable Component CC-A (Default)



End

Component CC-B



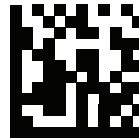
Set



Enable Component CC-B



Disable Component CC-B (Default)



End

Component CC-C



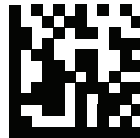
Set



Enable Component CC-C



Disable Component CC-C (Default)



End

PDF417

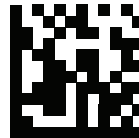
Set



Enable PDF417 (Default)



Disable PDF417



End

Micro PDF417



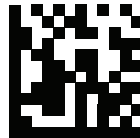
Set



Enable Micro PDF417 (Default)



Disable Micro PDF417



End

Data Matrix



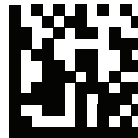
Set



Enable Data Matrix (Default)



Disable Data Matrix



End

QR Code



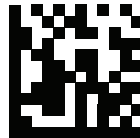
Set



Enable QR Code (Default)



Disable QR Code

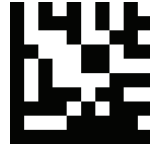


End

Micro QR Code



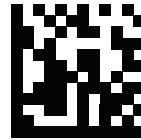
Set



Enable Micro QR Code (Default)



Disable Micro QR Code



End

Aztec



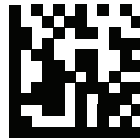
Set



Enable Aztec



Disable Aztec (Default)



End

MaxiCode



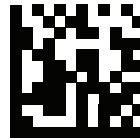
Set



Enable MaxiCode



Disable MaxiCode (Default)



End

GS1 DataBar Expanded Stacked



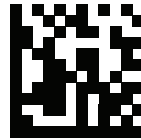
Set



Enable



Disable (Default)



End

GS1 DataBar 14 Stacked

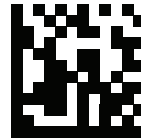
Set



Enable



Disable (Default)



End

Symbology Features

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

UPC / EAN



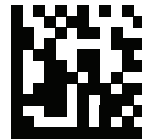
Set



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



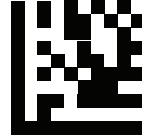
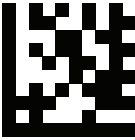
Disable decoding of 2/5-digit supplemental code for UPC-A, UPC-E, EAN-13, and EAN-8 (Default)



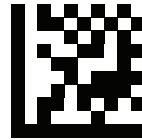
End

UPC-A

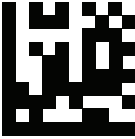
Set

Enable UPC-A Number System digit
(Default)

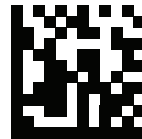
Disable UPC-A Number System digit



Enable UPC-A check digit (Default)



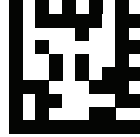
Disable UPC-A check digit



End



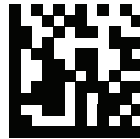
Set



Enable conversion of UPC-A to EAN13

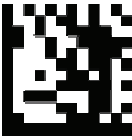


Disable conversion of UPC-A to EAN13
(Default)



End

UPC-A Data Redundant Check



Set



Off



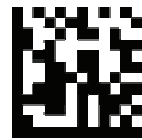
1 (Default)



2

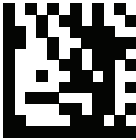


3

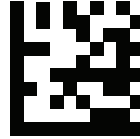


End

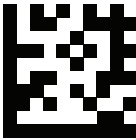
UPC-E



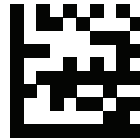
Set



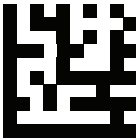
Enable UPC-E Number System digit
(Default)



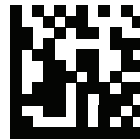
Disable UPC-E Number System digit



Enable UPC-E check digit (Default)



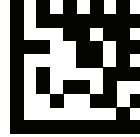
Disable UPC-E check digit



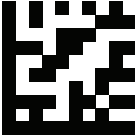
End



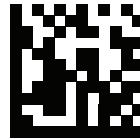
Set



Enable conversion of UPC-E to UPC-A

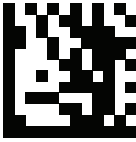


Disable conversion of UPC-E to UPC-A
(Default)

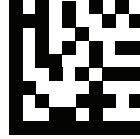


End

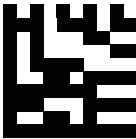
EAN 8



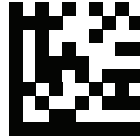
Set



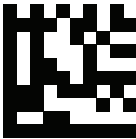
Enable EAN 8 check digit (Default)



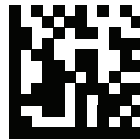
Disable EAN 8 check digit



Enable conversion of EAN 8 to EAN 13

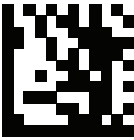


Disable conversion of EAN 8 to EAN 13
(Default)



End

EAN 8 Data Redundant Check



Set



Off



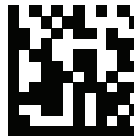
1 (Default)



2



3

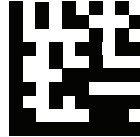


End

EAN 13



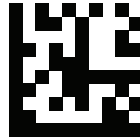
Set



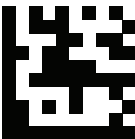
Enable EAN 13 check digit (Default)



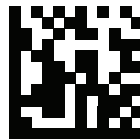
Disable EAN 13 check digit



Enable conversion of EAN 13 to ISBN



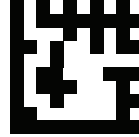
Disable conversion of EAN 13 to ISBN
(Default)



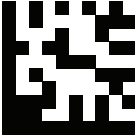
End



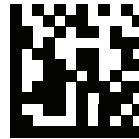
Set



Enable conversion of EAN 13 to ISSN

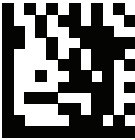


Disable conversion of EAN 13 to ISSN
(Default)

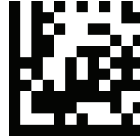


End

EAN 13 Data Redundant Check



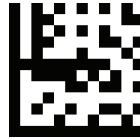
Set



Off



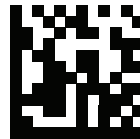
1 (Default)



2



3



End

JAN code for Books Separator



Set



[TAB] key x 2



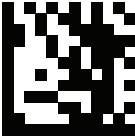
[SPACE] key x 3



[-] dash char



End



Set

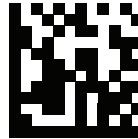


Others char Separator

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



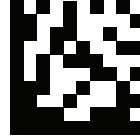
None(Default)



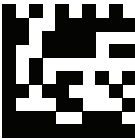
End

Code 39

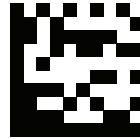
Set



Enable Code 39 full ASCII mode



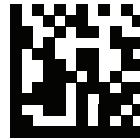
Disable Code 39 full ASCII mode (Default)



Enable Start and Stop characters



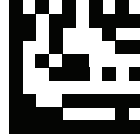
Disable Start and Stop characters (Default)



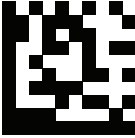
End



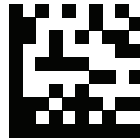
Set



Disable Checksum (Default)



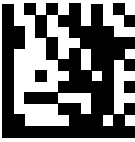
Enable checksum and send check character



Enable checksum and strip check character



End

Code 39 Redundant Check

Set



Off



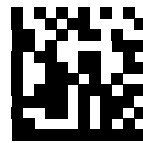
1 (Default)



2

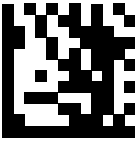


3



End

Code 128 Redundant Check



Set



Off



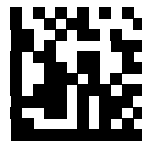
1 (Default)



2



3



End

Code 32 (Italian Pharmacode)

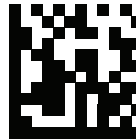
Set



Transmit
Alphabet "A" char



Disable Transmit
Alphabet "A" char
(Default)



End

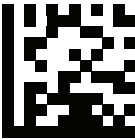
Codabar



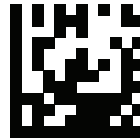
Set



Disable Checksum (Default)



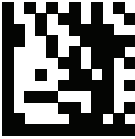
Enable checksum and send check character



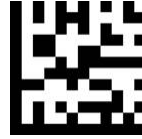
Enable checksum and strip check character



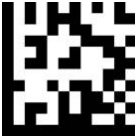
End



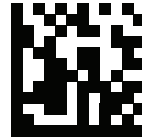
Set



Strip Start/Stop characters

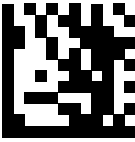


Output Start/Stop characters (Default)



End

Codabar Redundant Check



Set



Off



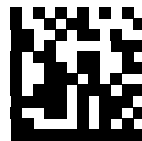
1 (Default)



2



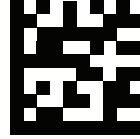
3



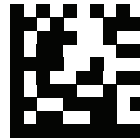
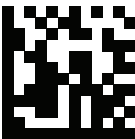
End

Interleaved 2 of 5

Set



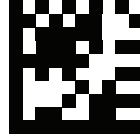
Disable Checksum (Default)

Enable checksum and send check
characterEnable checksum and strip check
character

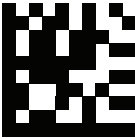
End



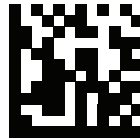
Set



Default quiet zone checking
No length checking performed (Default)

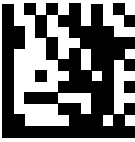


Smaller quiet zone allowed



End

Interleaved 2 of 5 Redundant Check



Set



Off



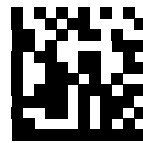
1 (Default)



2

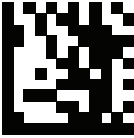


3

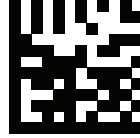


End

MSI / Plessey



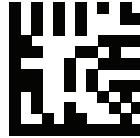
Set



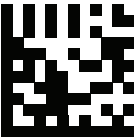
Disable MSI Plessey checksum



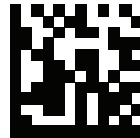
Mod 10 checksum (Default)



Mod 10/10 checksum



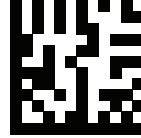
Mod 11/10 checksum



End



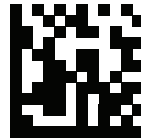
Set



Output checksum character(s) (Default)



Strip checksum character(s)

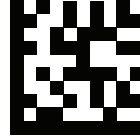


End

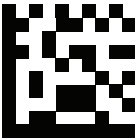
Code 11



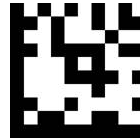
Set



Output checksum character(s)



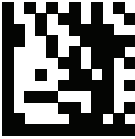
Strip checksum character(s) (Default)



Disable checksum checking



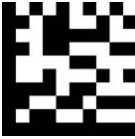
End



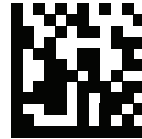
Set



Enable 1-digit checksum checking



Enable 2-digit checksum checking
(Default)

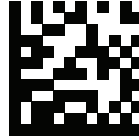


End

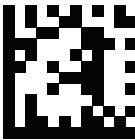
Data Matrix



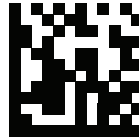
Set



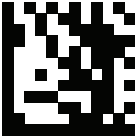
Enable mirror decoding (Default)



Disable mirror decoding



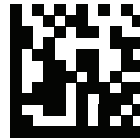
End



Set

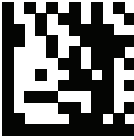


Enable rectangular Data Matrix decoding

Disable rectangular Data Matrix decoding
(Default)

End

Matrix 2 of 5



Set



Disable Checksum (Default)



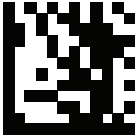
Enable checksum and send check character



Enable checksum and strip check character



End

PDF-417 Data Redundant Check

Set



Off (Default)



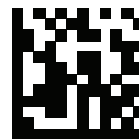
1



2



3

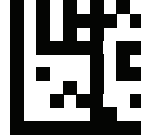


End

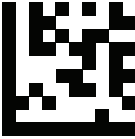
QR / Micro QR



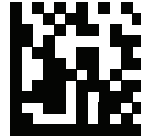
Set



Enable mirror decoding (Default)



Disable mirror decoding



End



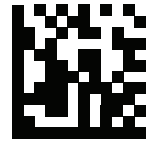
Set



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



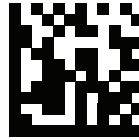
Set



Enable



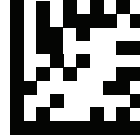
Disable (Default)



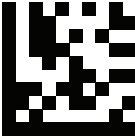
End

Aztec

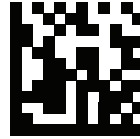
Set



Enable mirror decoding (Default)



Disable mirror decoding

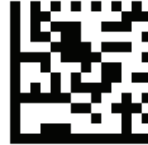


End

Code 93 Data Redundant Check



Set



Off



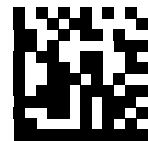
1 (Default)



2



3



End

FNC1 GS Substitution Values



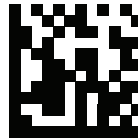
Set



“Ctrl+J” (Default)



“Alt+29(KP)”
(nmvs)



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

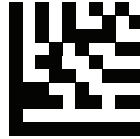
1. Scan Set.
2. Enable barcode type.
3. Scan prefix you would like to add characters within ASCII Table. Up to 4 digits can be added.
4. Scan End.

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.

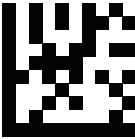
All Prefix



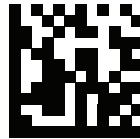
Set



Enable All



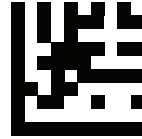
Disable All (Default)



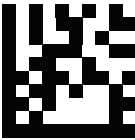
End

UPC / EAN Prefix

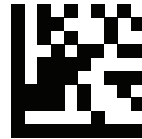
Set



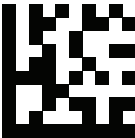
Enable UPC-A



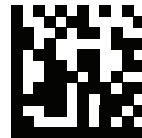
Disable UPC-A



Enable UPC-E



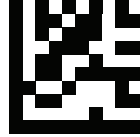
Disable UPC-E



End



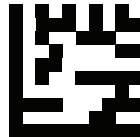
Set



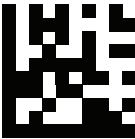
Enable EAN 8



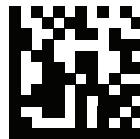
Disable EAN 8



Enable EAN 13



Disable EAN 13

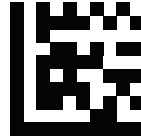


End

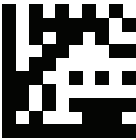
Code 128 Prefix



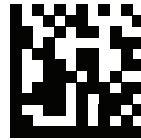
Set



Enable Code 128



Disable Code 128

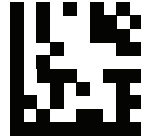


End

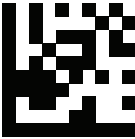
Code 39 Prefix



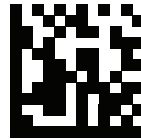
Set



Enable Code 39



Disable Code 39

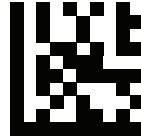


End

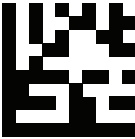
Code 93 Prefix



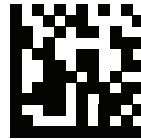
Set



Enable Code 93



Disable Code 93

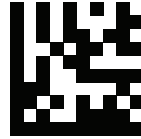


End

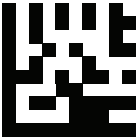
Code 32 Prefix



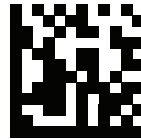
Set



Enable Code 32



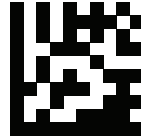
Disable Code 32



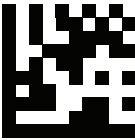
End

Code 11 Prefix

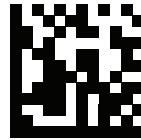
Set



Enable Code 11



Disable Code 11

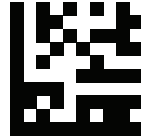


End

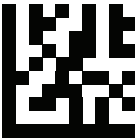
Codabar Prefix



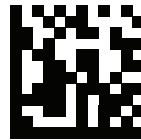
Set



Enable Codabar



Disable Codabar

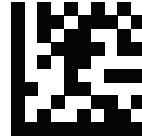


End

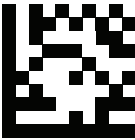
Plessey Prefix



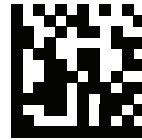
Set



Enable Plessey



Disable Plessey

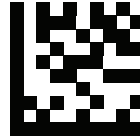


End

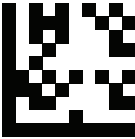
MSI Prefix



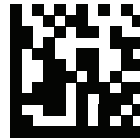
Set



Enable MSI



Disable MSI

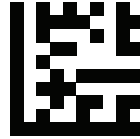


End

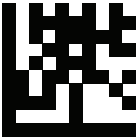
Interleaved 2 of 5 Prefix



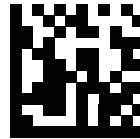
Set



Enable Interleaved 2 of 5



Disable Interleaved 2 of 5

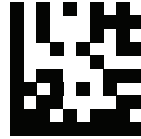


End

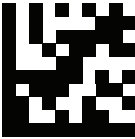
IATA 2 of 5 Prefix



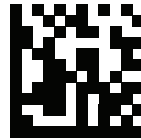
Set



Enable IATA 2 of 5



Disable IATA 2 of 5

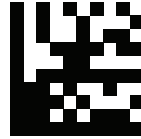


End

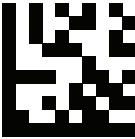
Matrix 2 of 5 Prefix



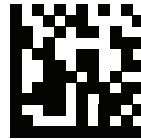
Set



Enable Matrix 2 of 5



Disable Matrix 2 of 5

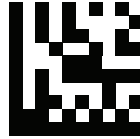


End

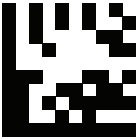
Straight 2 of 5 Prefix



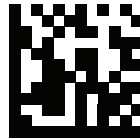
Set



Enable Straight 2 of 5



Disable Straight 2 of 5

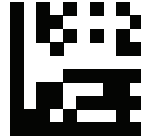


End

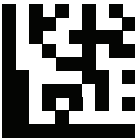
RSS 14 Prefix (GS1 DataBar 14 Prefix)



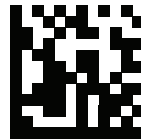
Set



Enable RSS 14 Prefix
(GS1 DataBar 14 Prefix)

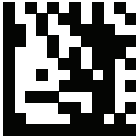


Disable RSS 14 Prefix
(GS1 DataBar 14 Prefix)

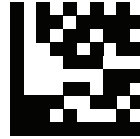


End

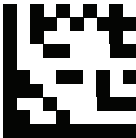
RSS Expanded Prefix (GS1 DataBar Expanded Prefix)



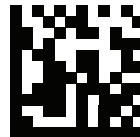
Set



Enable RSS Expanded Prefix
(GS1 DataBar Expanded Prefix)



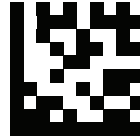
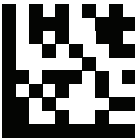
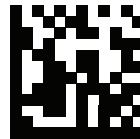
Disable RSS Expanded Prefix
(GS1 DataBar Expanded Prefix)



End

RSS Limited Prefix (GS1 DataBar Limited Prefix)

Set

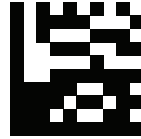
Enable RSS Limited Prefix
(GS1 DataBar Limited Prefix)Disable RSS Limited Prefix
(GS1 DataBar Limited Prefix)

End

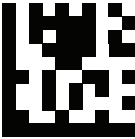
Component CC-A Prefix



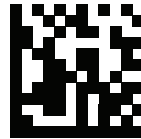
Set



Enable Component CC-A



Disable Component CC-A

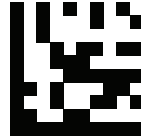


End

Component CC-B Prefix



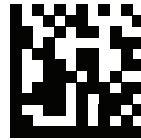
Set



Enable Component CC-B



Disable Component CC-B

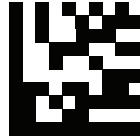


End

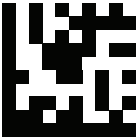
Component CC-C Prefix



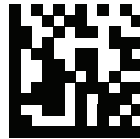
Set



Enable Component CC-C



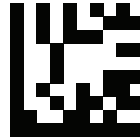
Disable Component CC-C



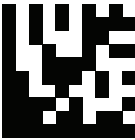
End

PDF 417 Prefix

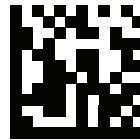
Set



Enable PDF 417



Disable PDF 417

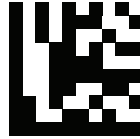


End

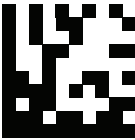
Micro PDF 417 Prefix



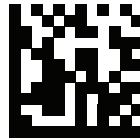
Set



Enable Micro PDF 417



Disable Micro PDF 417

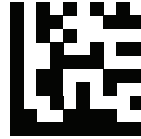


End

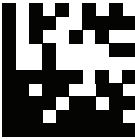
Data Matrix Prefix



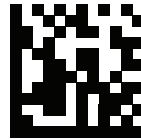
Set



Enable Data Matrix



Disable Data Matrix

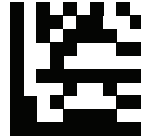


End

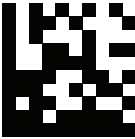
QR Prefix



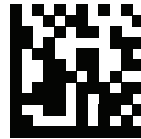
Set



Enable QR Code



Disable QR Code

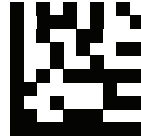


End

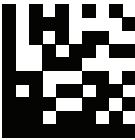
Micro QR Prefix



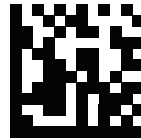
Set



Enable Micro QR



Disable Micro QR

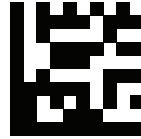


End

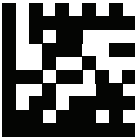
Aztec Prefix



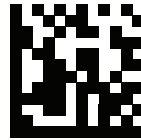
Set



Enable Aztec



Disable Aztec

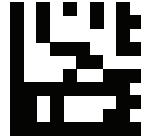


End

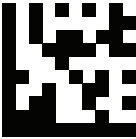
MaxiCode Prefix



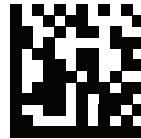
Set



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

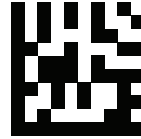
1. Scan Set.
2. Enable barcode type.
3. Scan suffix you would like to add characters within ASCII Table. Up to 4 digits can be added.
4. Scan End.

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.

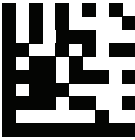
All Suffix



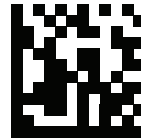
Set



Enable All



Disable All (Default)

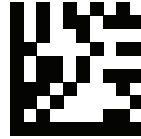


End

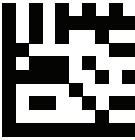
UPC-A Suffix



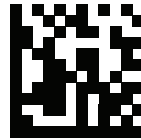
Set



Enable UPC-A



Disable UPC-A

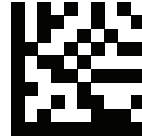


End

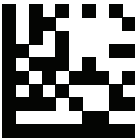
UPC-E Suffix



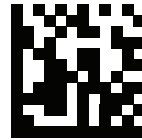
Set



Enable UPC-E



Disable UPC-E

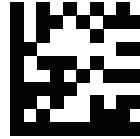


End

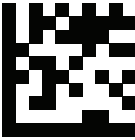
EAN 8 Suffix



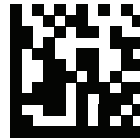
Set



Enable EAN 8



Disable EAN 8

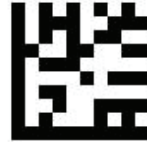


End

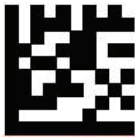
EAN 13 Suffix



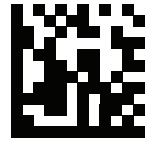
Set



Enable EAN 13



Disable EAN 13

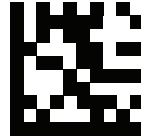


End

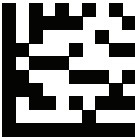
Code 128 Suffix



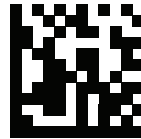
Set



Enable Code 128



Disable Code 128

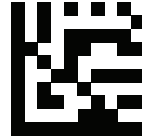


End

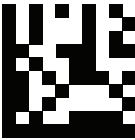
Code 39 Suffix



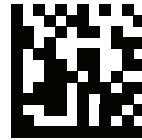
Set



Enable Code 39



Disable Code 39

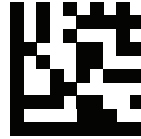


End

Code 93 Suffix



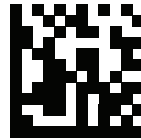
Set



Enable Code 93



Disable Code 93

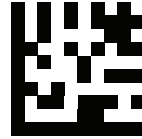


End

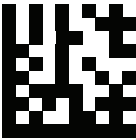
Code 32 Suffix



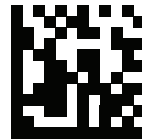
Set



Enable Code 32



Disable Code 32

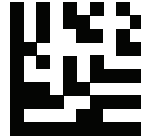


End

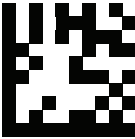
Code 11 Suffix



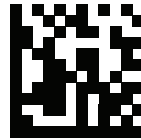
Set



Enable Code 11



Disable Code 11

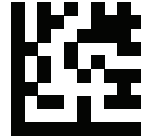


End

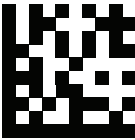
Codabar Suffix



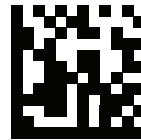
Set



Enable Codabar



Disable Codabar

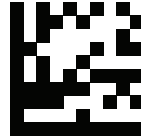


End

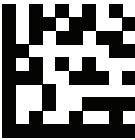
Plessey Suffix



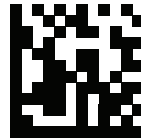
Set



Enable Plessey



Disable Plessey

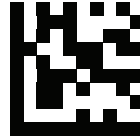


End

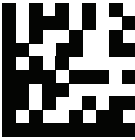
MSI Suffix



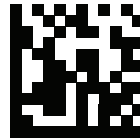
Set



Enable MSI



Disable MSI

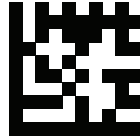


End

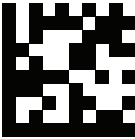
Interleaved 2 of 5 Suffix



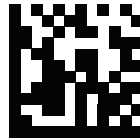
Set



Enable Interleaved 2 of 5



Disable Interleaved 2 of 5

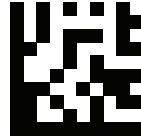


End

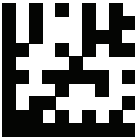
IATA 2 of 5 Suffix



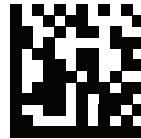
Set



Enable IATA 2 of 5



Disable IATA 2 of 5

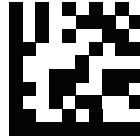


End

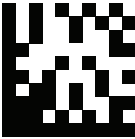
Matrix 2 of 5 Suffix



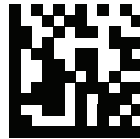
Set



Enable Matrix 2 of 5



Disable Matrix 2 of 5

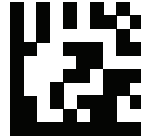


End

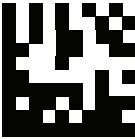
Straight 2 of 5 Suffix



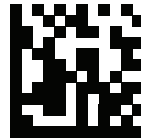
Set



Enable Straight 2 of 5



Disable Straight 2 of 5

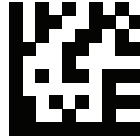


End

RSS 14 Suffix (GS1 DataBar 14 Suffix)



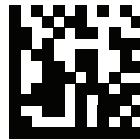
Set



Enable RSS 14 Suffix
(GS1 DataBar 14 Suffix)



Disable RSS 14
Suffix (GS1 DataBar 14 Suffix)

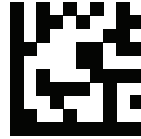


End

RSS Expanded Suffix (GS1 DataBar Expanded Suffix)



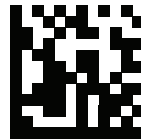
Set



Enable RSS Expanded
Suffix (GS1 DataBar Expanded Suffix)

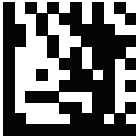


Disable RSS Expanded
Suffix (GS1 DataBar Expanded Suffix)

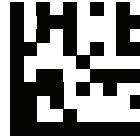


End

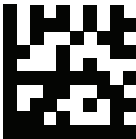
RSS Limited Suffix (GS1 DataBar Limited Suffix)



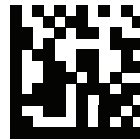
Set



Enable RSS Limited
Suffix (GS1 DataBar Limited Suffix)



Disable RSS Limited
Suffix (GS1 DataBar Limited Suffix)

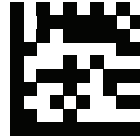


End

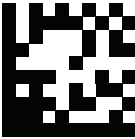
Component CC-A Suffix



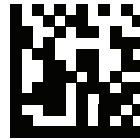
Set



Enable Component CC-A



Disable Component CC-A

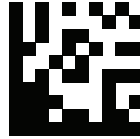


End

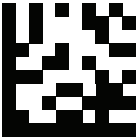
Component CC-B Suffix



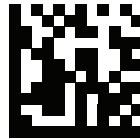
Set



Enable Component CC-B



Disable Component CC-B

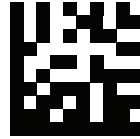


End

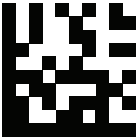
Component CC-C Suffix



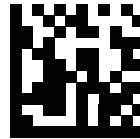
Set



Enable Component CC-C



Disable Component CC-C

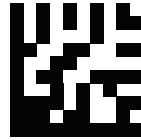


End

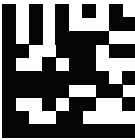
PDF-417 Suffix



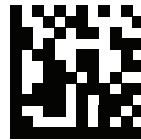
Set



Enable PDF417



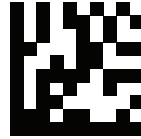
Disable PDF417



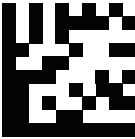
End

Micro PDF-417 Suffix

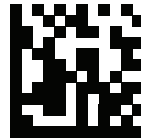
Set



Enable Micro PDF417



Disable Micro PDF417

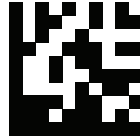


End

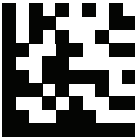
Data Matrix Suffix



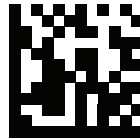
Set



Data Matrix Enable



Data Matrix Disable

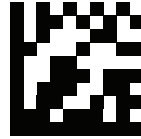


End

QR Code Suffix



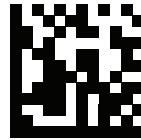
Set



QR Code Enable



QR Code Disable

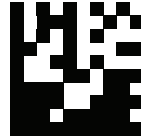


End

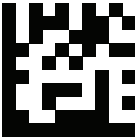
Micro QR Suffix



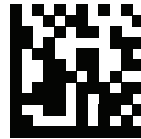
Set



Micro QR Enable



Micro QR Disable

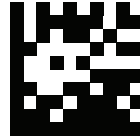


End

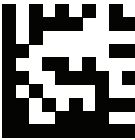
Aztec Suffix



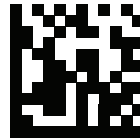
Set



Aztec Enable



Aztec Disable

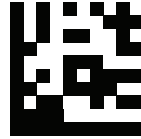


End

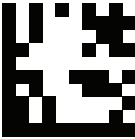
MaxiCode Suffix



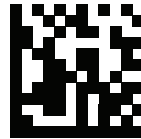
Set



MaxiCode Enable



MaxiCode Disable



End

Data Editing (Truncate/Return)

Truncate/Return Commands

1. Return the leftmost characters: Specify the number of leftmost characters you want returned.
2. Truncate the leftmost characters: Specify the number of leftmost characters you want deleted.
3. Return the Rightmost characters: Specify the number of rightmost characters you want returned.
4. Truncate the Rightmost characters: Specify the number of rightmost characters you want deleted.
5. 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
6. 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

Set Up Flow

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

Set All Symbolologies Truncate/Return



Set



Return leftmost



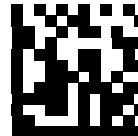
Truncate leftmost



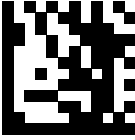
Return rightmost



Truncate rightmost



End



Set



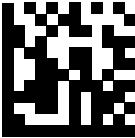
Return middle



Truncate middle

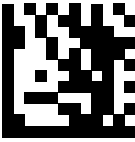


Disable All (Default)



End

Set UPC-A Truncate/Return



Set



Return leftmost



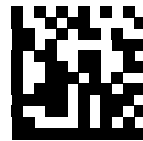
Truncate leftmost



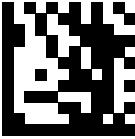
Return rightmost



Truncate rightmost



End



Set



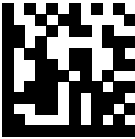
Return middle



Truncate middle



Disable (Default)



End

Set UPC-E Truncate/Return



Set



Return leftmost



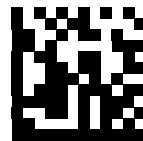
Truncate leftmost



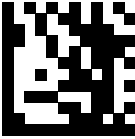
Return rightmost



Truncate rightmost



End



Set



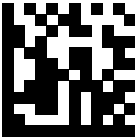
Return middle



Truncate middle

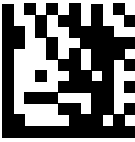


Disable (Default)



End

Set EAN-8 Truncate/Return



Set



Return leftmost



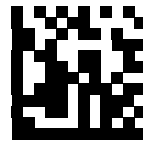
Truncate leftmost



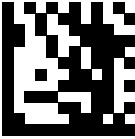
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

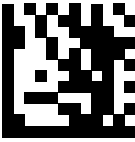


Disable (Default)



End

Set EAN 13 Truncate/Return



Set



Return leftmost



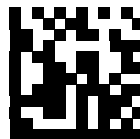
Truncate leftmost



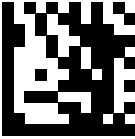
Return rightmost



Truncate rightmost



End



Set



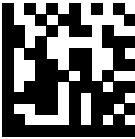
Return middle



Truncate middle

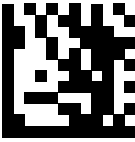


Disable (Default)



End

Set Code 128 Truncate/Return



Set



Return leftmost



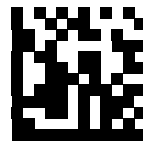
Truncate leftmost



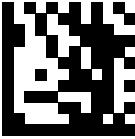
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

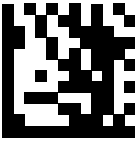


Disable (Default)



End

Set Code 39 Truncate/Return



Set



Return leftmost



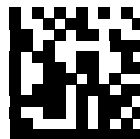
Truncate leftmost



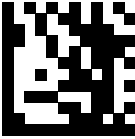
Return rightmost



Truncate rightmost



End



Set



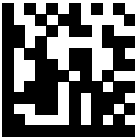
Return middle



Truncate middle



Disable (Default)



End

Set Code 93 Truncate/Return



Set



Return leftmost



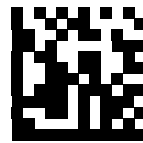
Truncate leftmost



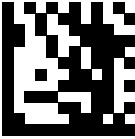
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

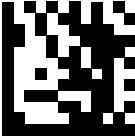


Disable (Default)



End

Set Code 32 Truncate/Return



Set



Return leftmost



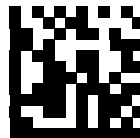
Truncate leftmost



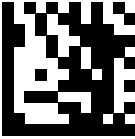
Return rightmost



Truncate rightmost



End



Set



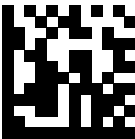
Return middle



Truncate middle

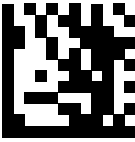


Disable (Default)



End

Set Code 11 Truncate/Return



Set



Return leftmost



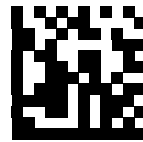
Truncate leftmost



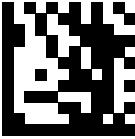
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

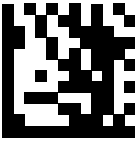


Disable (Default)



End

Set Codabar Truncate/Return



Set



Return leftmost



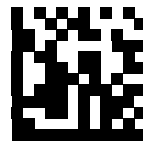
Truncate leftmost



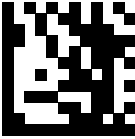
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

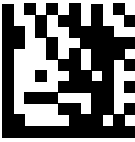


Disable (Default)



End

Set Plessey Truncate/Return



Set



Return leftmost



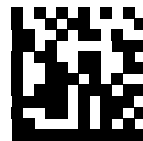
Truncate leftmost



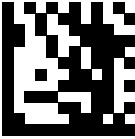
Return rightmost



Truncate rightmost



End



Set



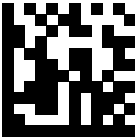
Return middle



Truncate middle

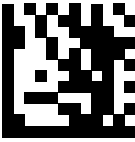


Disable (Default)



End

Set MSI (Modified Plessey) Truncate/Return



Set



Return leftmost



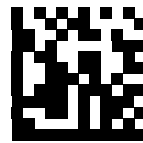
Truncate leftmost



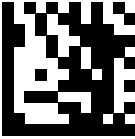
Return rightmost



Truncate rightmost



End



Set



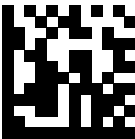
Return middle



Truncate middle

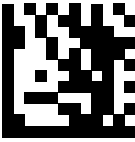


Disable (Default)



End

Set Interleaved 2 of 5 Truncate/Return



Set



Return leftmost



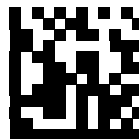
Truncate leftmost



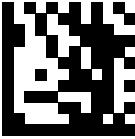
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle



Disable (Default)



End

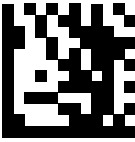
Interleaved 2 of 5 (ITF).ReturnLeft.4



Disable



Enable

Set IATA 2 of 5 Truncate/Return

Set



Return leftmost



Truncate leftmost



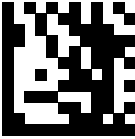
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

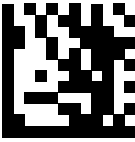


Disable (Default)



End

Set Matrix 2 of 5 Truncate/Return



Set



Return leftmost



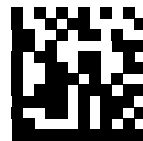
Truncate leftmost



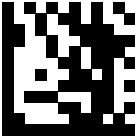
Return rightmost



Truncate rightmost



End



Set



Return middle



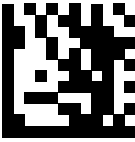
Truncate middle



Disable (Default)



End

Set Straight 2 of 5 Truncate/Return

Set



Return leftmost



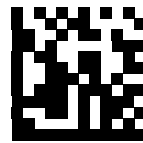
Truncate leftmost



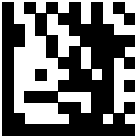
Return rightmost



Truncate rightmost



End



Set



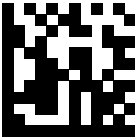
Return middle



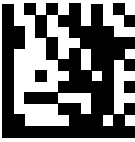
Truncate middle



Disable (Default)



End

Set RSS 14 (GS1 DataBar) Truncate/Return

Set



Return leftmost



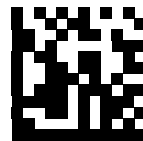
Truncate leftmost



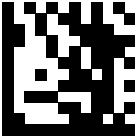
Return rightmost



Truncate rightmost



End



Set



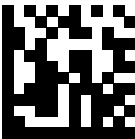
Return middle



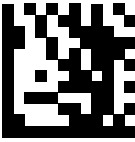
Truncate middle



Disable (Default)



End

Set RSS Expanded (GS1 DataBar Expanded) Truncate/Return

Set



Return leftmost



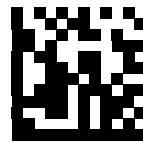
Truncate leftmost



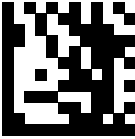
Return rightmost



Truncate rightmost



End



Set



Return middle



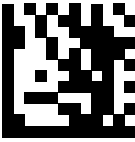
Truncate middle



Disable (Default)



End

Set RSS Limited (GS1 DataBar Limited) Truncate/Return

Set



Return leftmost



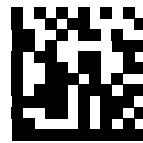
Truncate leftmost



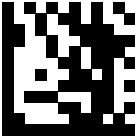
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

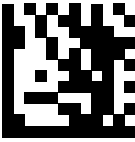


Disable (Default)



End

Set Component CC-A Truncate/Return



Set



Return leftmost



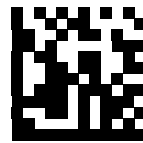
Truncate leftmost



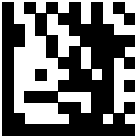
Return rightmost



Truncate rightmost



End



Set



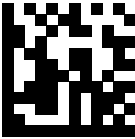
Return middle



Truncate middle

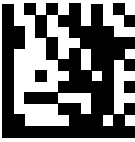


Disable (Default)



End

Set Component CC-B Truncate/Return



Set



Return leftmost



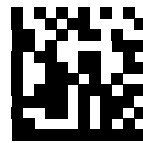
Truncate leftmost



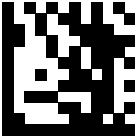
Return rightmost



Truncate rightmost



End



Set



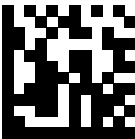
Return middle



Truncate middle

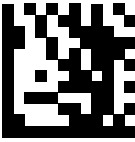


Disable (Default)



End

Set Component CC-C Truncate/Return



Set



Return leftmost



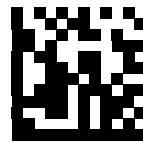
Truncate leftmost



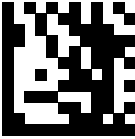
Return rightmost



Truncate rightmost



End



Set



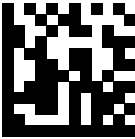
Return middle



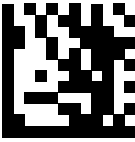
Truncate middle



Disable (Default)



End

Set PDF 417 Truncate/Return

Set



Return leftmost



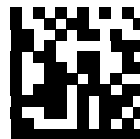
Truncate leftmost



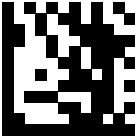
Return rightmost



Truncate rightmost



End



Set



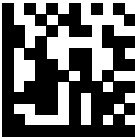
Return middle



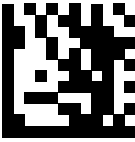
Truncate middle



Disable (Default)



End

Set Micro PDF 417 Truncate/Return

Set



Return leftmost



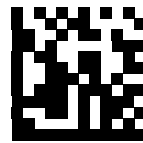
Truncate leftmost



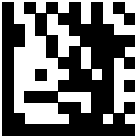
Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

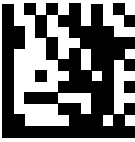


Disable (Default)



End

Set Data Matrix Truncate/Return



Set



Return leftmost



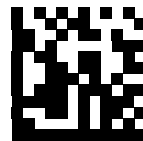
Truncate leftmost



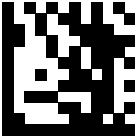
Return rightmost



Truncate rightmost



End



Set



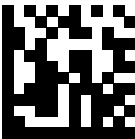
Return middle



Truncate middle

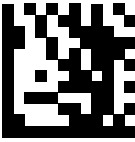


Disable (Default)



End

Set QR Truncate/Return



Set



Return leftmost



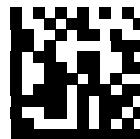
Truncate leftmost



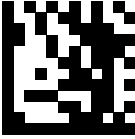
Return rightmost



Truncate rightmost



End



Set



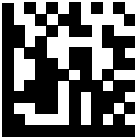
Return middle



Truncate middle

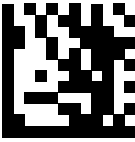


Disable (Default)



End

Set Micro QR Truncate/Return



Set



Return leftmost



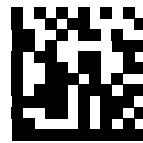
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



Return middle



Truncate middle

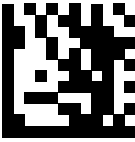


Disable (Default)



End

Set Aztec Truncate/Return



Set



Return leftmost



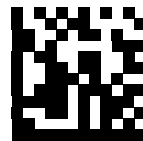
Truncate leftmost



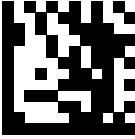
Return rightmost



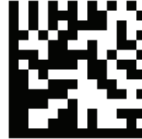
Truncate rightmost



End



Set



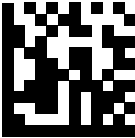
Return middle



Truncate middle

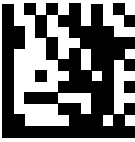


Disable (Default)



End

Set MaxiCode Truncate/Return



Set



Return leftmost



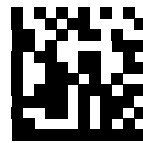
Truncate leftmost



Return rightmost



Truncate rightmost



End



Set



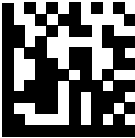
Return middle



Truncate middle



Disable (Default)



End

Code Settings

Set Lengths for Codes

- One Discrete Length

Select this option to decode the symbol containing a selected length.
Select the length using the numeric bar codes in ASCII Code Table.

Example 1:

To decode Interleaved 2 of 5 symbols with 8 characters:

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

Example 2:

To decode Interleaved 2 of 5 symbols with 12 characters:

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

- Two Discrete Lengths

Select this option to decode the symbol containing either of two selected lengths.
Select lengths using the numeric bar codes in ASCII Code Table.

Example:

To decode Code 128 symbols containing either 8 or 14 characters

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

- Length Within Range

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

Example:

To decode Codabar symbols containing between 7 and 8 characters,

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

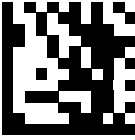
- Any Length

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

Example:

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

Set Lengths for Code 128



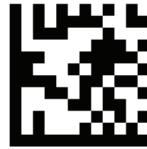
Set



One Discrete Length



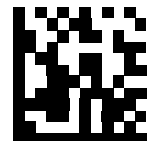
Two Discrete Lengths



Length Within Range

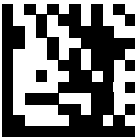


Any Length (Default)



End

Set Lengths for Code 39



Set



One Discrete Length



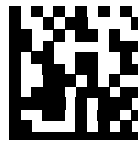
Two Discrete Lengths



Length Within Range

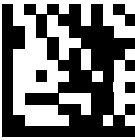


Any Length (Default)



End

Set Lengths for Code 93



Set



One Discrete Length



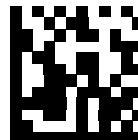
Two Discrete Lengths



Length Within Range

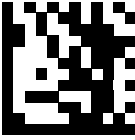


Any Length (Default)



End

Set Lengths for Codabar



Set



One Discrete Length



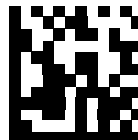
Two Discrete Lengths



Length Within Range

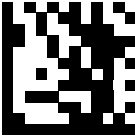


Any Length (Default)



End

Set Lengths for Interleaved 2 of 5



Set



One Discrete Length



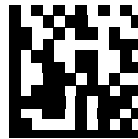
Two Discrete Lengths



Length Within Range

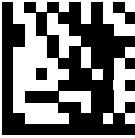


Any Length (Default)



End

Set Lengths for Code 11



Set



One Discrete Length



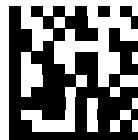
Two Discrete Lengths



Length Within Range

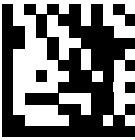


Any Length (Default)



End

Set Lengths for MSI



Set



One Discrete Length



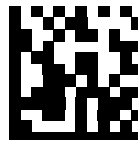
Two Discrete Lengths



Length Within Range

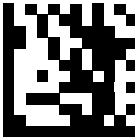


Any Length (Default)



End

Set Lengths for Matrix 2 of 5



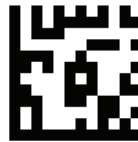
Set



One Discrete Length



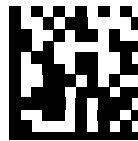
Two Discrete Lengths



Length Within Range



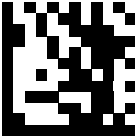
Any Length (Default)



End

Code Identifiers

Scan the following barcodes to set symbology Identifiers.



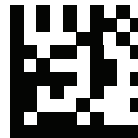
Set



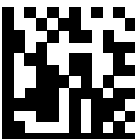
Disable Code ID (Default)



Enable factory standard ID



Enable AIM ID



End

Code Identifiers Table

Symbology	Factory Standard	AIM
UPC-A	A	]E
UPC-E	E	]E
EAN 8	FF	]E
EAN 13	F	]E
Code 128	K	]C
Code 39	M	]A
Code 93	L	]G
Code 32	M	]X
Code 11	O	]H
Codabar	N	]F
Plessey	P	]P
MSI / Plessey	a	]M
Interleaved 2 of 5	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

Symbology	Factory Standard	AIM
Han Xin Code	X	]X
Telepen	T	]B
Trioptic Code	C	]X
CodaBlock F	D	]O
Postnet	P	]X
Planet	l	]X
Australian Post	z	]X
Japan Post	J	]X
Royal	R	]X
Korea Post	k	]X
China Post Barcode	c	]X
NEC 2 of 5	w	]X

Keyboard Caps Lock State

Scan a barcode below to turn Caps on or off.



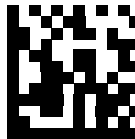
Set



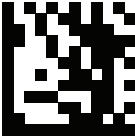
Caps Lock Off (Default)



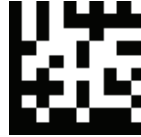
Caps Lock On



End



Set



Alphabet always upper case



Alphabet always Lower case



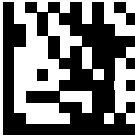
Override



End

Function Key Mapping

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



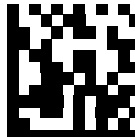
Set



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].



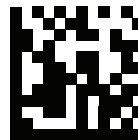
Set



Disable Function Key Extended (Default)



Enable Function Key Extended



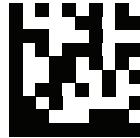
End

ASCII Code

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



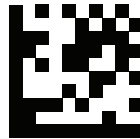
Enter



!



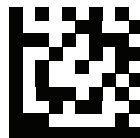
"



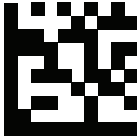
#



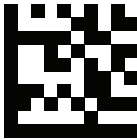
\$



Space



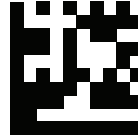
&



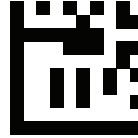
(



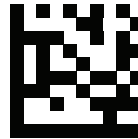
*



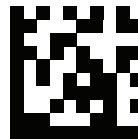
%



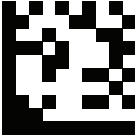
)



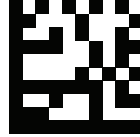
)



+



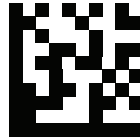
,



-



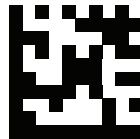
.



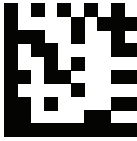
/



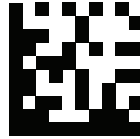
:



;



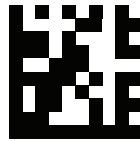
<



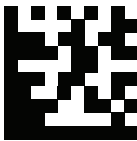
=



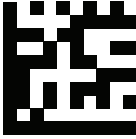
>



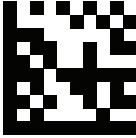
?



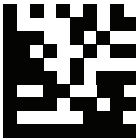
@



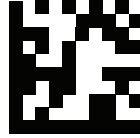
0



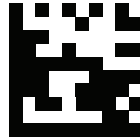
2



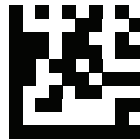
4



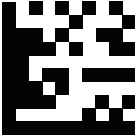
1



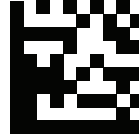
3



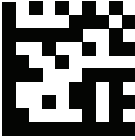
5



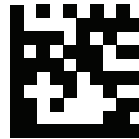
6



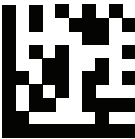
7



8

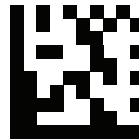


9



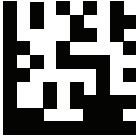
A

(Function Key
Mapping: Ctrl+a)

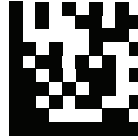


B

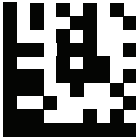
(Function Key
Mapping: Ctrl+b)



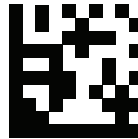
C
(Function Key
Mapping: Ctrl+c)



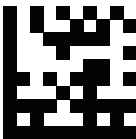
D
(Function Key
Mapping: Ctrl+d)



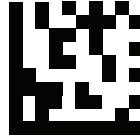
E
(Function Key
Mapping: Ctrl+e)



F
(Function Key
Mapping: Ctrl+f)

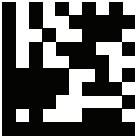


G
(Function Key
Mapping: Ctrl+g)



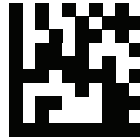
H

(Function Key
Mapping: Ctrl+h)



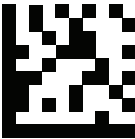
I

(Function Key
Mapping: Ctrl+i)



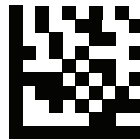
J

(Function Key
Mapping: Ctrl+j)



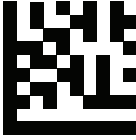
K

(Function Key
Mapping: Ctrl+k)

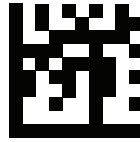


L

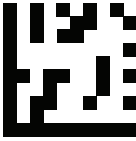
(Function Key
Mapping: Ctrl+l)



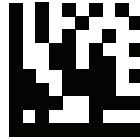
M
(Function Key
Mapping: Ctrl+m)



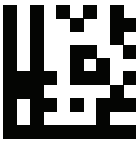
N
(Function Key
Mapping: Ctrl+n)



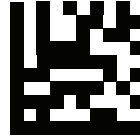
O
(Function Key
Mapping: Ctrl+o)



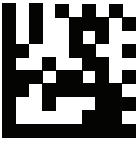
P
(Function Key
Mapping: Ctrl+p)



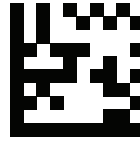
Q
(Function Key
Mapping: Ctrl+q)



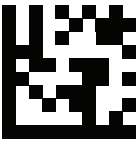
R
(Function Key
Mapping: Ctrl+r)



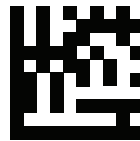
S
(Function Key
Mapping: Ctrl+s)



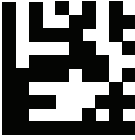
T
(Function Key
Mapping: Ctrl+t)



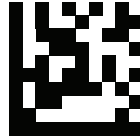
U
(Function Key
Mapping: Ctrl+u)



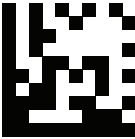
V
(Function Key
Mapping: Ctrl+v)



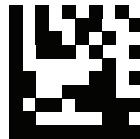
W
(Function Key
Mapping: Ctrl+w)



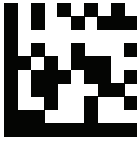
X
(Function Key
Mapping: Ctrl+x)



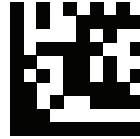
Y
(Function Key
Mapping: Ctrl+y)



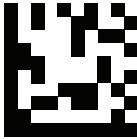
Z
(Function Key
Mapping: Ctrl+z)



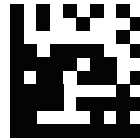
a



b



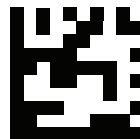
c



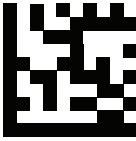
d



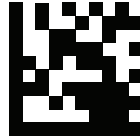
e



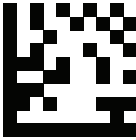
f



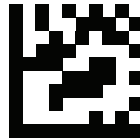
g



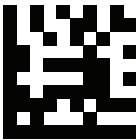
h



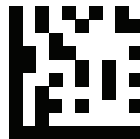
i



j



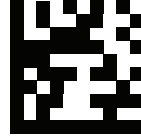
k



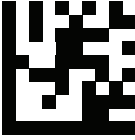
l



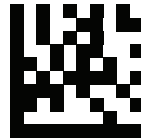
m



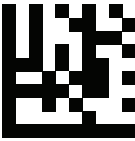
n



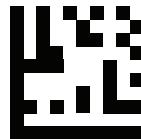
o



p



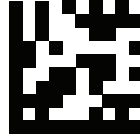
q



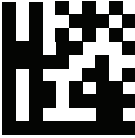
r



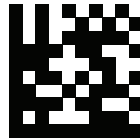
s



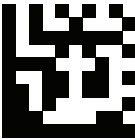
t



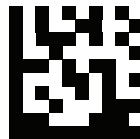
u



v



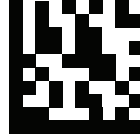
w



x



y



z



Insert



Delete



Home



End



Up arrow



Down arrow



Left arrow



Right arrow



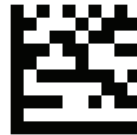
Tab



Backspace



Shift



ESC



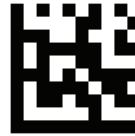
Page up



Page down



F1



F2



F3



F4



F5



F6



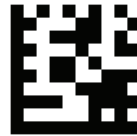
F7



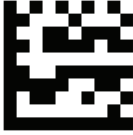
F8



F9



F10



F11



F12

JavaPOS Driver V2.00 for Win32/Win64

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.

Disable (Default)



Enable



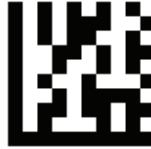
Use barcodes to configure the Handheld scanner

JavaPOS configuration barcodes:

Start of Configuration



RS-232



JPOS Enable



End of Configuration



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:

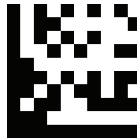
Start of Configuration



USB Virtual COM Port



JPOS Enable



End of Configuration



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>
```


Multi-Barcode

The Multi-barcode feature provides the order in which users set up barcode data transfer. Even if the user does not scan the barcode in the correct order, the scanner transmits the data correctly in a pre-programmed order. Users can set up to 6 barcode sequences. The 4 parameters of the program design are: barcode type, barcode length, check rule, separator. Examples of instructions and settings are as follows.

Barcode length	If the barcode length is not required, it is set to "0"
First digit	Set to " NUL " is the first number that does not need to check
Separator	Set to " NUL " is not required separator



A set of dedicated QR code can be generated according to the following rules.

Period No	Note	example
1~2	Dedicated instructions	~ZQS.RL8DM59
3	Multi-Barcode Enable/Disable	0:Disable 1:Enable
4	separator,use ascii code decimal representation	0 for NUL, Please refer to ASCII code for the other, for instance 43 for +, 126 for ~
5	Reserved	0
6	1 st. Barcode type	1 : UPCA 2 : UPE 3 : EAN 8 4 : EAN 13 5 : CODE 128 6 : CODE 39 7 : CODE 93 8 : CODE 32 9 : CODE 11 10 : CODABAR 11 : PLESSEY 12 : MSI 13 : Interleaved 2 of 5 14 : IATA 2 of 5 15 : Matrix 2 of 5 16 : Straight 2 of 5 17 : Pharmacode 18 : RSS14 19 : RSSEXP 20 : RSSLIM

		21 : Component CCA 22 : Component CCB 23 : Component CCC 24 : PDF417 25 : MICRO PDF417 26 : DATA MATRIX 27 : QR 28 : MICRO QR 29 : AZTEC 30 : MAXICODE 31 : Han Xin Code
7	1 st. Barcode length.	0 for NUL, If the barcode length is not required, it is set to "0"
8	1 st. First digit, use ascii code decimal representation	0 for NUL, first number that does not need to check. Please refer to ASCII code for the other, for instance 65 for A, 48 for 0
9	2 nd. Barcode type	The rules such as 1 st. Barcode type
10	2 nd. Barcode length. If the barcode length is not required, it is set to "0"	The rules such as 1 st. Barcode length.
11	2 nd. First digit, use ascii code decimal representation	The rules such as 1 st. First digit
12	Third Barcode type	0 for NUL, If you don't need the third Barcode. The rules such as 1 st. Barcode type,
13	Third Barcode length. If the barcode length is not required, it is set to "0"	The rules such as 1 st. Barcode length.
14	Third First digit, use ascii code decimal representation	The rules such as 1 st. First digit
15	fourth Barcode type	0 for NUL, If you don't need the fourth Barcode. The rules such as 1 st. Barcode type,
16	fourth Barcode length. If the barcode length is not required, it is set to "0"	The rules such as 1 st. Barcode length.
17	fourth First digit, use ascii code decimal representation	The rules such as 1 st. First digit

18	Fifth Barcode type	0 for NUL, If you don't need the Fifth Barcode. The rules such as 1 st. Barcode type,
19	Fifth Barcode length. If the barcode length is not required, it is set to "0"	The rules such as 1 st. Barcode length.
20	Fifth First digit, use ascii code decimal representation	The rules such as 1 st. First digit
21	Sixth Barcode type	0 for NUL, If you don't need the Sixth Barcode. The rules such as 1 st. Barcode type,
22	Sixth Barcode length. If the barcode length is not required, it is set to "0"	The rules such as 1 st. Barcode length.
23	Sixth First digit, use ascii code decimal representation	The rules such as 1 st. First digit

The following dedicated QR codes can be referenced.

Setting Example 1		
		
~ZQS.RL8DM59.1.43.1.3.0.0.3.0.0.3.0.0.3.0.0.3.0.0		
1~6 Barcode	Barcode type	EAN-8
	Barcode length	0 (No check)
	First digit	NULL (No check)
	Separator	+
Example		
Output	10311011+67841356+30311015+90311017+70311013+50311019	

Setting Example 2



~ZQS.RL8DM59.1.0.1.24.0.0.13.0.0.0.0.0.0.0.0.0.0.0.0.0

1 st. Barcode	Barcode type	PDF417
	Barcode length	0 (No check)
	First digit	NULL (No check)
	Separator	NULL
2 nd Barcode	Barcode type	Interleaved 2 of 5
	Barcode length	0 (No check)
	First digit	NULL (No check)
	Separator	NULL
Example		
Output	ZEBEX1234567890	

Setting Example 3



1 st. Barcode	Barcode type	QR Code
	Barcode length	0 (No check)
	First digit	'Z'
	Separator	NULL
2 nd Barcode	Barcode type	Datamatrix
	Barcode length	0 (No check)
	First digit	'2'
	Separator	''
Example		
Output	ZEBEX.2D Scanner	