

Programming Guide

Advanced 2D Image Scanner

This Programming Guide is intended for:

- **2D Image Handheld Scanner: Z-3172 Plus**
- **2D Image Hands-Free Scanner: Z-8072**
- **2D Image Scan Module: Z-5552 Series, Z-5652 Series**
- **Gun Type 2D Image Handheld Scanner: Z-3272**

Revision History

Changes to the original manual are listed below:

Version	Date	Description of Version
1.0	2017/01/10	Initial release
1.1	2018/4/11	Added Z-8072 Plus settings
1.2	2018/7/10	Disable UPC-E changed as default
1.3	2018/8/16	Z-8072 Plus settings removed
1.4	2018/10/02	Codabar setting revised

Important Notice

No warranty of any kind is made in regard to this material, including, but not limited to, implied warranties of merchantability or fitness for any particular purpose. We are not liable for any errors contained herein nor for incidental or consequential damages in connection with furnishing, performance or use of this material. We shall be under no liability in respect of any defect arising from fair wear and tear, willful damage, negligence, abnormal working conditions, failure to follow the instructions and warnings, or misuse or alteration or repair of the products without written approval. No part of this document may be reproduced, transmitted, stored in a retrieval system, transcribed, or translated into any human or computer or other language in any form or by any means electronic, mechanical, magnetic, optical, chemical, biological, manual or otherwise, except for brief passages which may be quoted for purposes of scholastic or literary review, without express written consent and authorization. We reserve the right to make changes in product design without reservation and without notification. The material in this guide is for information only and is subject to change without notice. All trademarks mentioned herein, registered or otherwise, are the properties of their various, ill, assorted owners.

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.

Copyright © 2019. All rights reserved.

Table of Contents

Important Notice.....	ii
General Handling Precautions.....	ii
Guidance for Printing	ii
Using the Scanner	1
Beeper Indication	1
Settings and Programming.....	2
Program Set Up Flow.....	2
User Preferences	3
Show Version.....	3
System Settings	3
Customer's Factory Default	4
Scan Mode	5
Standby Time for Continue Scan Mode	6
Same Code Delay Time for Continue Scan Mode.....	8
Interface Switch.....	9
Good Read Beep Length.....	10
Good Read Beep Frequency	11
Aiming Pattern	12
Illumination	13
Terminal Character	14
RS232 Baud Rate	15
USB Speed	17
Country Code	18
Readable Symbolologies	23
All Symbolologies	23
UPC-A	24
UPC-E.....	25
EAN-8	26
EAN 13.....	27
Code 128	28
Code 39	29
Code 93	30
Code 32	31
Code 11	32
Codabar.....	33
Plessey.....	34
MSI/Plessey	35
Interleaved 2 of 5	36
IATA 2 of 5	37
Matrix 2 of 5.....	38

Straight 2 of 5	39
RSS 14	40
RSS Expanded	41
RSS Limited	42
Component CC-A	43
Component CC-B	44
Component CC-C	45
PDF417	46
Data Matrix	48
QR Code	49
Micro QR Code	50
Aztec.....	51
MaxiCode	52
Symbology Features	53
UPC / EAN.....	53
UPC-A	54
UPC-E.....	56
EAN 8.....	58
EAN 13.....	58
EAN 13 Data Redundant Check	61
Code 39	62
Codabar	64
Interleaved 2 of 5	66
MSI / Plessey	68
Code 11	70
Data Matrix	72
QR / Micro QR	74
Aztec.....	76
Data Editing (Prefix)	77
Prefix Set Up Flow	77
All Prefix	78
UPC / EAN Prefix.....	79
Code 128 Prefix	81
Code 39 Prefix	82
Code 93 Prefix	83
Code 32 Prefix	84
Code 11 Prefix	85
Codabar Prefix.....	86
Plessey Prefix.....	87
MSI Prefix	88
Interleaved 2 of 5Prefix	89
IATA 2 of 5 Prefix	90

Matrix 2 of 5 Prefix.....	91
Straight 2 of 5 Prefix.....	92
RSS 14 Prefix.....	93
RSS Expanded Prefix.....	94
RSS Limited Prefix.....	95
Component CC-A Prefix.....	96
Component CC-B Prefix.....	97
Component CC-C Prefix.....	98
PDF 417 Prefix.....	99
Micro PDF 417 Prefix.....	100
Data Matrix Prefix.....	101
QR Prefix.....	102
Micro QR Prefix.....	103
Aztec Prefix.....	104
MaxiCode Prefix.....	105
Data Editing (Suffix).....	106
Suffix Set Up Flow.....	106
All Suffix.....	107
UPC-A Suffix.....	108
UPC-E Suffix.....	109
EAN 8 Suffix.....	110
EAN 13 Suffix.....	111
Code 128 Suffix.....	112
Code 39 Suffix.....	113
Code 93 Suffix.....	114
Code 32 Suffix.....	115
Code 11 Suffix.....	116
Codabar Suffix.....	117
Plessey Suffix.....	118
MSI Suffix.....	119
Interleaved 2 of 5 Suffix.....	120
IATA 2 of 5 Suffix.....	121
Matrix 2 of 5 Suffix.....	122
Straight 2 of 5 Suffix.....	123
RSS 14 Suffix.....	124
RSS Expanded Suffix.....	125
RSS Limited Suffix.....	126
Component CC-A Suffix.....	127
Component CC-B Suffix.....	128
Component CC-C Suffix.....	129
PDF-417 Suffix.....	130
Micro PDF-417 Suffix.....	131

Data Matrix Suffix.....	132
QR Code Suffix.....	133
Micro QR Suffix	134
Aztec Suffix.....	135
MaxiCode Suffix	136
Code Settings	137
Set Lengths for Codes.....	137
Set Lengths for Code 128	139
Set Lengths for Code 39	140
Set Lengths for Code 93	141
Set Lengths for Codabar.....	142
Set Lengths for Interleaved 2 of 5	143
Set Lengths for Code 11	144
Set Lengths for MSI	145
Set Lengths for Matrix 2 of 5.....	146
Code Identifiers.....	147
Code Identifiers Table	148
Keyboard Caps Lock State	149
Function Key Mapping	150
ASCII Code	151
JavaPOS Driver V2.00 for Win32/Win64	172
JavaPOS Version	172
Install the Java2 Runtime Environment.....	172
Install the Service Object and JavaPOS files	172
How to use RS232 scanner with JavaPOS Driver	172
Use barcodes to configure the Handheld scanner	173
Running the JavaPOS Test utility	174
How to use JavaPOS driver at your application.....	174
How to use USB scanner with JavaPOS Driver	175
Install the Java RXTXcomm API	176
Running the JavaPOS Test utility	176
How to Use JavaPOS Driver at your application	177

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.

User Preferences

Show Version

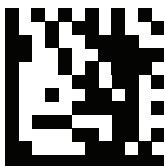
Scan this barcode to display firmware version.



Read device information

System Settings

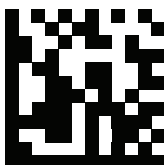
Scan this barcode to return all parameters to the default values.



Set



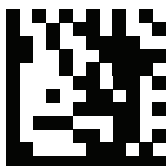
Factory default settings



End

Customer's Factory Default

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



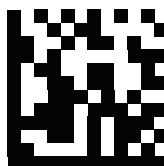
Set



Save customer's factory default



Delete customer's factory default

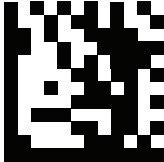


End

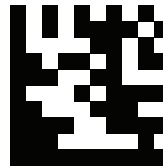
Scan Mode

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

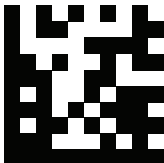
Presentation and Continue Scan modes allow automatic scan when barcodes are present in front of the scanner. In Continue Scan mode, the scan LED stays active and continues to decode. If no barcode is present in the scanning field for 20 seconds, the scanner goes to standby with scan LED continues to flash; Trigger mode allows triggered scans.



Set



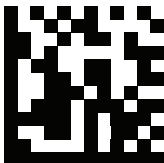
Trigger Mode



Presentation Mode



Continue Scan Mode



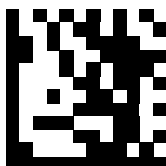
End

Notes:

- Handheld Scanner default: Trigger Mode
- Hands-Free Scanner & Scan Module default: Presentation Mode
- Hands-Free Scanner & Scan Module do not support Trigger Mode

Standby Time for Continue Scan Mode

Use the barcodes below to set the standby time for Continue Scan mode.



Set



5 minutes (Default)



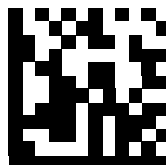
10 minutes



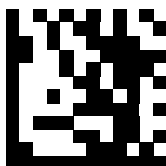
15 minutes



20 minutes



End



Set



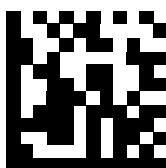
25 minutes



30 minutes



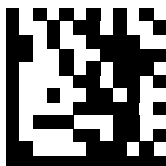
Never



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



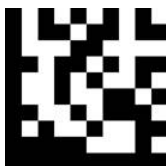
500 msec



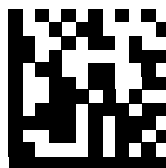
1 sec (Default)



1.5 sec



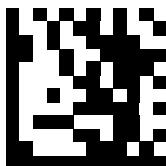
2 sec



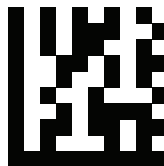
End

Interface Switch

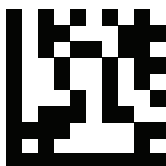
Your 2D Imager supports interfaces such as USB HID, RS232 serial, and USB virtual COM. To switch the interface, simply select the appropriate cable and configure the proper interface by following interface selection.



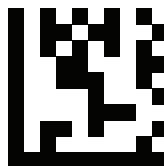
Set



RS-232

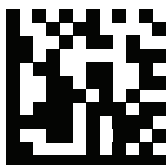


USB Keyboard (Default)



USB Virtual COM Port

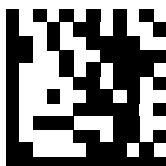
*Driver required



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)



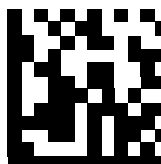
100 msec



150 msec



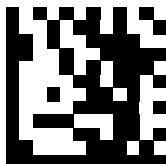
200 msec



End

Good Read Beep Frequency

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



Set



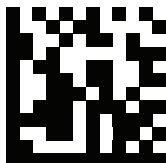
Low



Medium (Default)



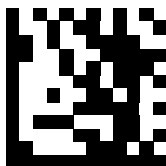
High



End

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



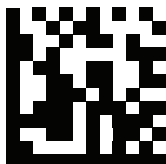
Auto (Default)



Always On



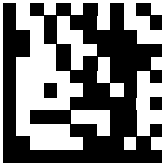
Always Off



End

Illumination

Set Illumination to aid in barcode reading. Use the following settings to configure this function.



Set



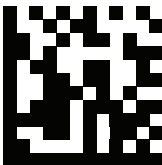
On (Default)



Always On

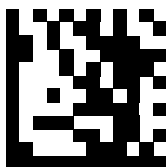


Off

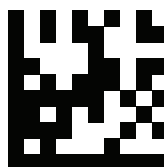


End

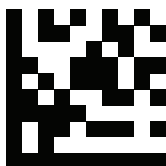
Terminal Character



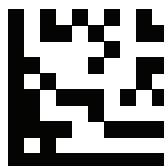
Set



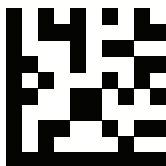
None



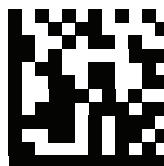
CR/LF (Default)



CR



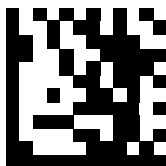
TAB



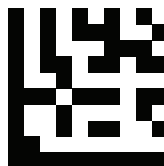
End

RS232 Baud Rate

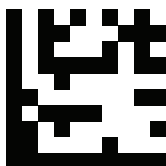
Baud rate is the number of bits of data transmitted per second. Set the imager's baud rate to match the baud rate setting of the host device. Otherwise, data may not reach the host device or may reach it in distorted form.



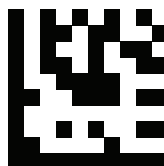
Set



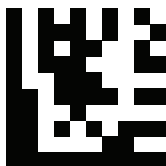
9600



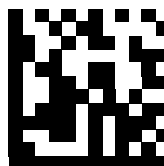
19200



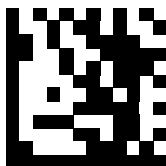
38400



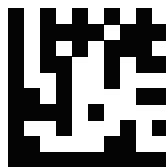
57600



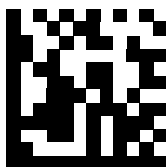
End



Set

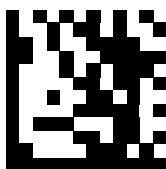


115200 (Default)



End

USB Speed



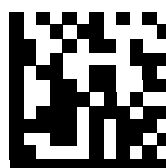
Set



USB 2.0 (Default)



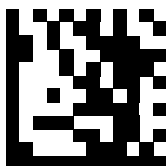
USB 1.1



End

Country Code

Scann the following settings to change the country code.



Set



US (Default)



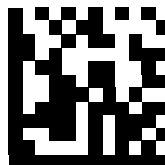
Belgium



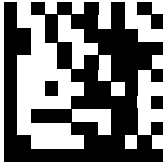
Britain



Denmark



End



Set



France



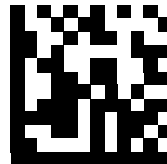
Germany



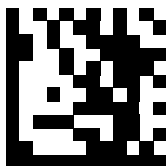
Italy



Norway



End



Set



Portugal



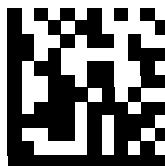
Spain



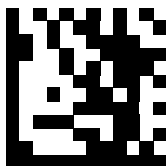
Sweden



Switzerland



End



Set



Japan



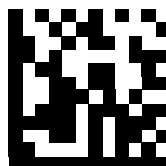
Hungary



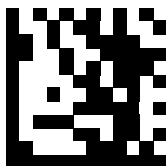
Czech Republic



Slovakia



End



Set



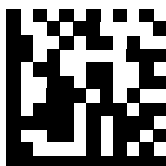
Romania



Croatia



Poland

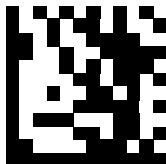


End

Readable Symbolologies

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

All Symbolologies



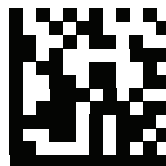
Set



Enable All

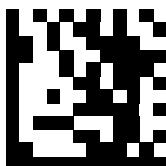


Default



End

UPC-A



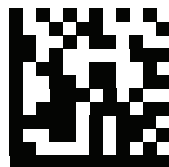
Set



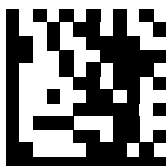
Enable UPC-A (Default)



Disable UPC-A



End

UPC-E

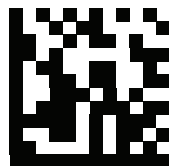
Set



Enable UPC-E

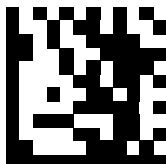


Disable UPC-E (Default)



End

EAN-8



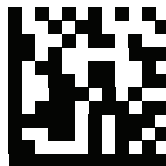
Set



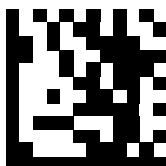
Enable EAN 8 (Default)



Disable EAN 8



End

EAN 13

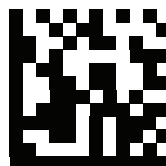
Set



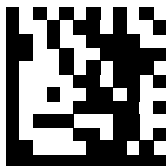
Enable EAN 13 (Default)



Disable EAN 13



End

Code 128

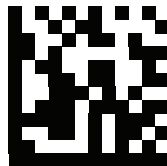
Set



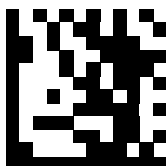
Enable Code 128 (Default)



Disable Code 128



End

Code 39

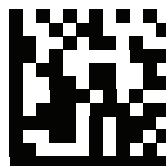
Set



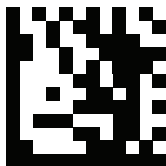
Enable Code 39 (Default)



Disable Code 39



End

Code 93

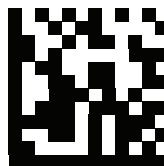
Set



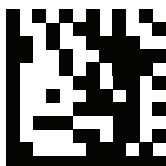
Enable Code 93 (Default)



Disable Code 93



End

Code 32

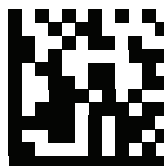
Set



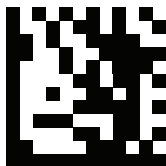
Enable Code 32



Disable Code 32 (Default)



End

Code 11

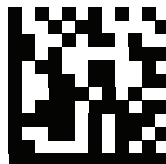
Set



Enable Code 11

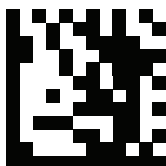


Disable Code 11 (Default)



End

Codabar



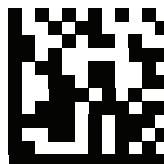
Set



Enable Codabar (Default)

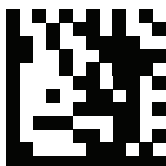


Disable Codabar



End

Plessey



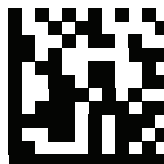
Set



Enable Plessey

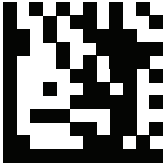


Disable Plessey (Default)



End

MSI/Plessy



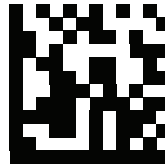
Set



Enable MSI/Plessy

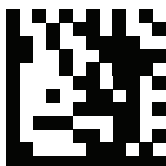


Disable MSI/Plessy (Default)



End

Interleaved 2 of 5



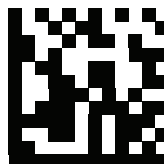
Set



Enable Interleaved 2 of 5 (Default)

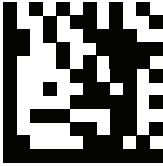


Disable Interleaved 2 of 5



End

IATA 2 of 5



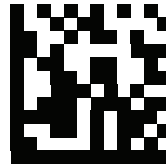
Set



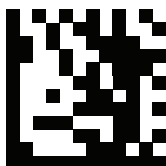
Enable IATA 2 of 5



Disable IATA 2 of 5 (Default)



End

Matrix 2 of 5

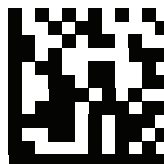
Set



Enable Matrix 2 of 5

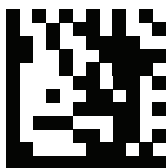


Disable Matrix 2 of 5 (Default)



End

Straight 2 of 5



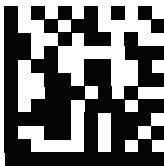
Set



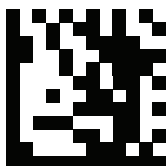
Enable Straight 2 of 5



Disable Straight 2 of 5 (Default)



End

RSS 14

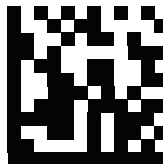
Set



Enable RSS 14 (Default)

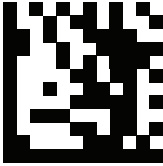


Disable RSS 14



End

RSS Expanded



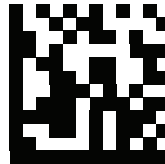
Set



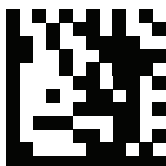
Enable RSS Expanded (Default)



Disable RSS Expanded



End

RSS Limited

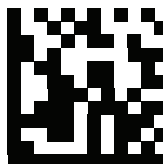
Set



Enable RSS Limited (Default)

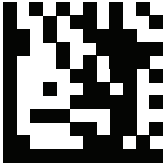


Disable RSS Limited



End

Component CC-A



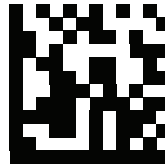
Set



Enable Component CC-A

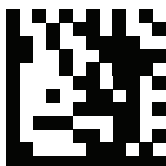


Disable Component CC-A (Default)



End

Component CC-B



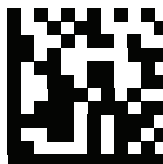
Set



Enable Component CC-B

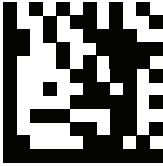


Disable Component CC-B (Default)



End

Component CC-C



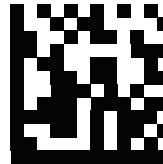
Set



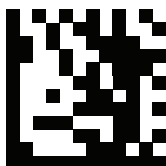
Enable Component CC-C



Disable Component CC-C (Default)



End

PDF417

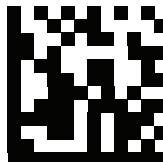
Set



Enable PDF417 (Default)

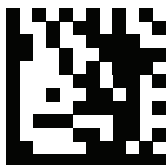


Disable PDF417



End

Micro PDF417



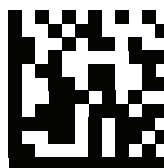
Set



Enable Micro PDF417 (Default)

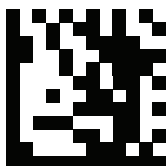


Disable Micro PDF417



End

Data Matrix



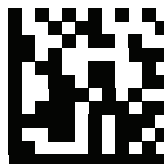
Set



Enable Data Matrix (Default)

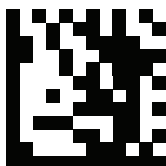


Disable Data Matrix



End

QR Code



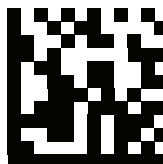
Set



Enable QG Code (Default)

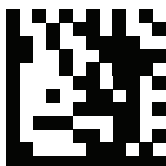


Disable QR Code



End

Micro QR Code



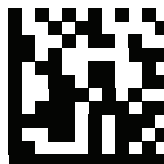
Set



Enable Micro QG Code (Default)

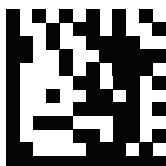


Disable Micro QR Code



End

Aztec



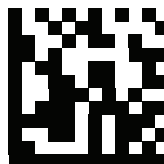
Set



Enable Aztec

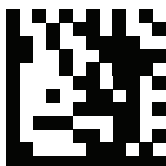


Disable Aztec (Default)



End

MaxiCode



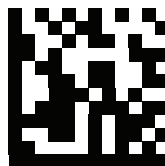
Set



Enable MaxiCode



Disable MaxiCode (Default)

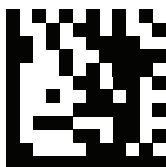


End

Symbology Features

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

UPC / EAN



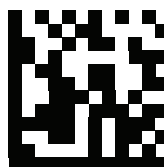
Set



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

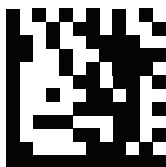


Disable decoding of 2/5-digit supplemental
code for UPC-A, UPC-E, EAN-13,
and EAN-8 (Default)

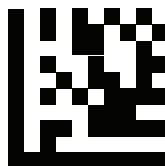


End

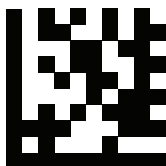
UPC-A



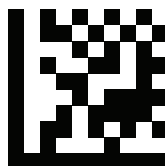
Set



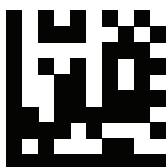
Enable UPC-A Number System digit
(Default)



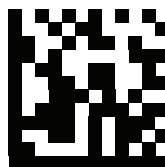
Disable UPC-A Number System digit



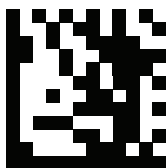
Enable UPC-A check digit (Default)



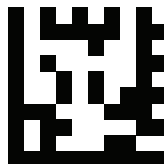
Disable UPC-A check digit



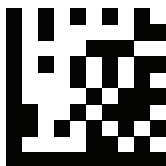
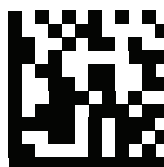
End



Set

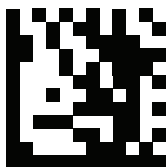


Enable conversion of UPC-A to EAN13

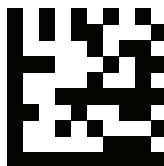
Disable conversion of UPC-A to EAN13
(Default)

End

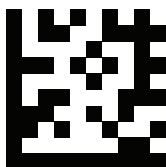
UPC-E



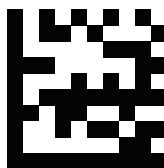
Set



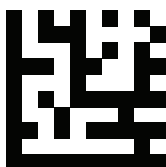
Enable UPC-E Number System digit
(Default)



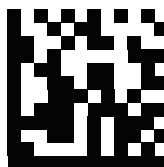
Disable UPC-E Number System digit



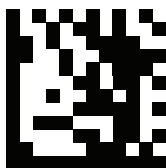
Enable UPC-E check digit (Default)



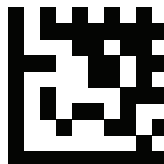
Disable UPC-E check digit



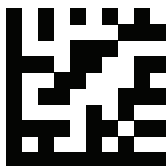
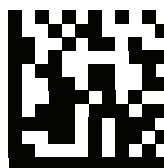
End



Set

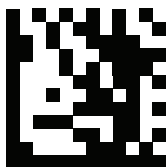


Enable conversion of UPC-E to UPC-A

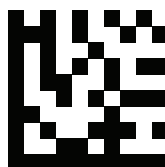
Disable conversion of UPC-E to UPC-A
(Default)

End

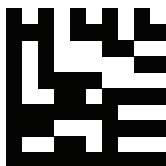
EAN 8



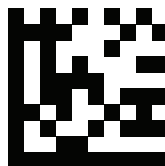
Set



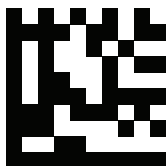
Enable EAN 8 check digit (Default)



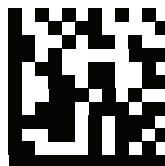
Disable EAN 8 check digit



Enable conversion of EAN 8 to EAN 13

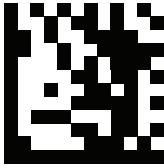


Disable conversion of EAN 8 to EAN 13
(Default)

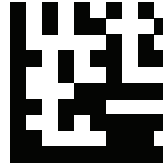


End

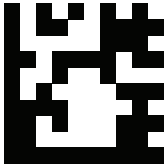
EAN 13



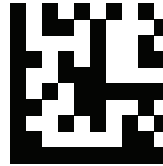
Set



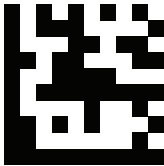
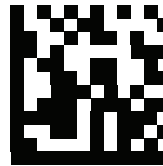
Enable EAN 13 check digit (Default)



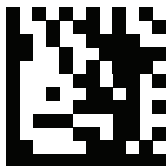
Disable EAN 13 check digit



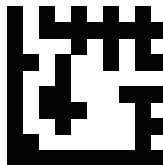
Enable conversion of EAN 13 to ISBN

Disable conversion of EAN 13 to ISBN
(Default)

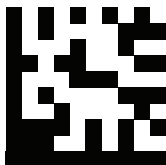
End



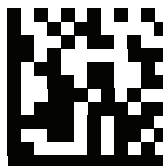
Set



Enable conversion of EAN 13 to ISSN

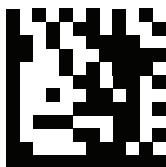


Disable conversion of EAN 13 to ISSN
(Default)



End

EAN 13 Data Redundant Check



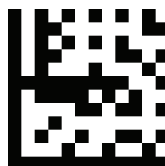
Set



Off



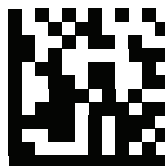
1 (Default)



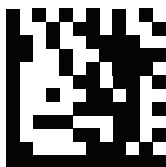
2



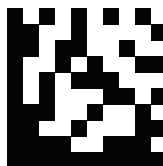
3



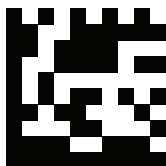
End

Code 39

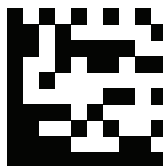
Set



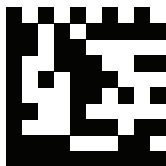
Enable Code 39 full ASCII mode



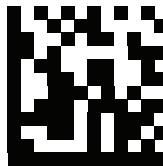
Disable Code 39 full ASCII mode (Default)



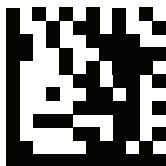
Enable Start and Stop characters



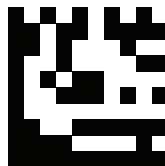
Disable Start and Stop characters (Default)



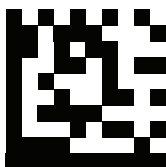
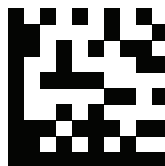
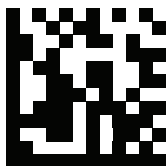
End



Set

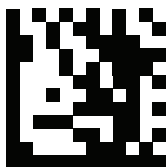


Disable Checksum (Default)

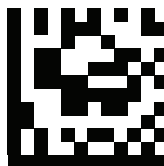
Enable checksum and send check
characterEnable checksum and strip check
character

End

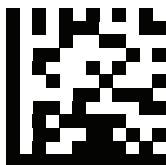
Codabar



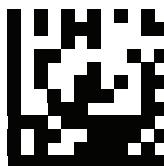
Set



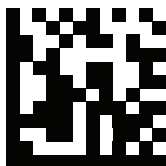
Disable Checksum (Default)



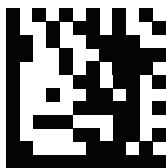
Enable checksum and send check character



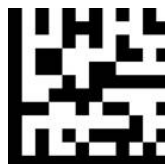
Enable checksum and strip check character



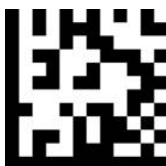
End



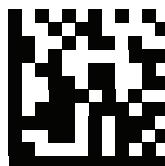
Set



Strip Start/Stop characters

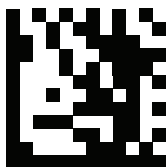


Output Start/Stop characters (Default)

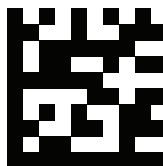


End

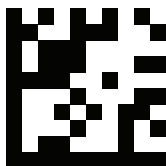
Interleaved 2 of 5



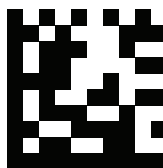
Set



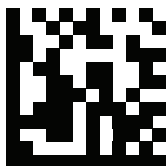
Disable Checksum (Default)



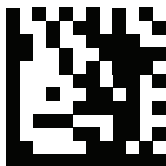
Enable checksum and send check
character



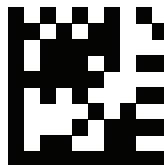
Enable checksum and strip check
character



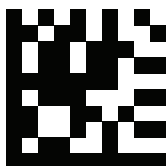
End



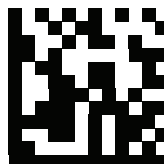
Set



Default quiet zone checking
No length checking performed (Default)

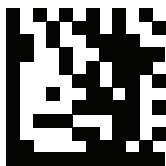


Smaller quiet zone allowed

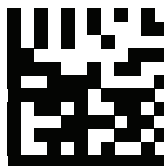


End

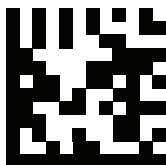
MSI / Plessey



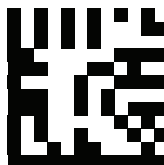
Set



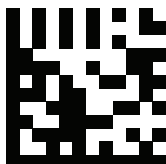
Disable MSI Plessey checksum



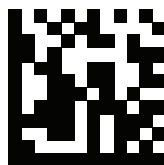
Mod 10 checksum (Default)



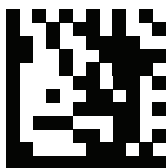
Mod 10/10 checksum



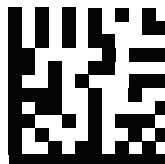
Mod 11/10 checksum



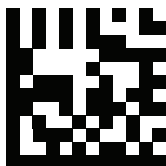
End



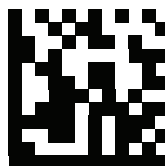
Set



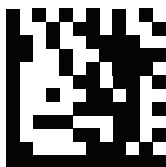
Output checksum character(s) (Default)



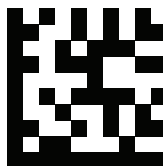
Strip checksum character(s)



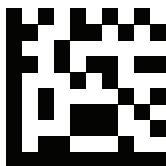
End

Code 11

Set



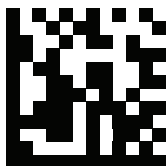
Output checksum character(s)



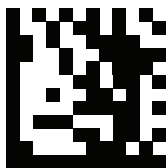
Strip checksum character(s) (Default)



Disable checksum checking



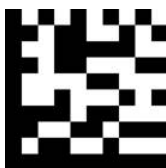
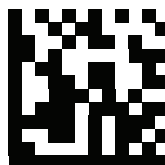
End



Set

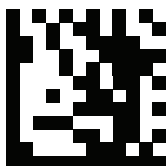


Enable 1-digit checksum checking

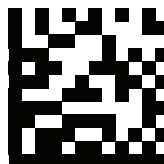
Enable 2-digit checksum checking
(Default)

End

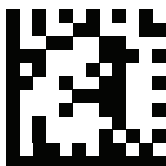
Data Matrix



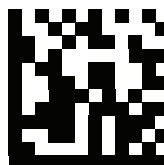
Set



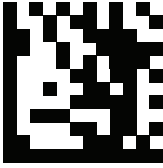
Enable mirror decoding (Default)



Disable mirror decoding



End



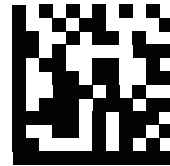
Set



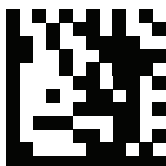
Enable rectangular Data Matrix decoding



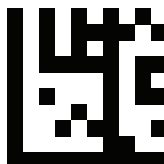
Disable rectangular Data Matrix decoding
(Default)



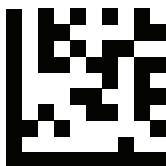
End

QR / Micro QR

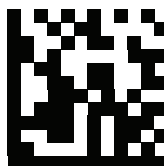
Set



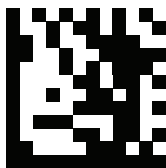
Enable mirror decoding (Default)



Disable mirror decoding



End



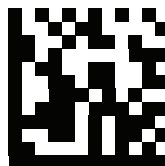
Set



UTF8 conversion for word only

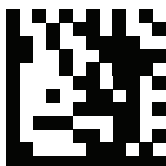


Universal UTF8 conversion (Default)

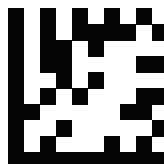


End

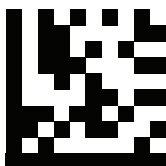
Note: Please install QR_UTF8_Conversion executable file before using this function.

Aztec

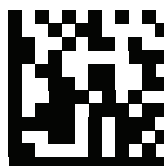
Set



Enable mirror decoding (Default)



Disable mirror decoding



End

Data Editing (Prefix)

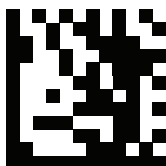
Prefix is additional characters that can be sent before the scanned data. Please scan the barcodes in the selection below to set your prefix.

Prefix Set Up Flow

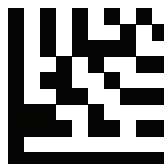
1. Scan Set.
2. Enable barcode type.
3. Scan prefix you would like to add characters within ASCII Table. Up to 4 digits can be added.
4. Scan End.

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.

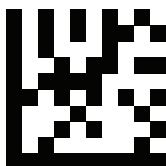
All Prefix



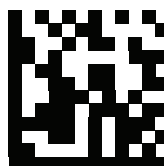
Set



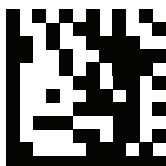
Enable All



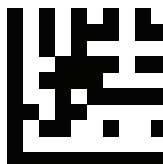
Disable All (Default)



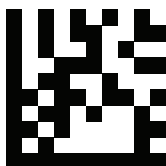
End

UPC / EAN Prefix

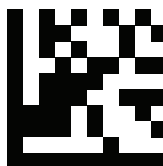
Set



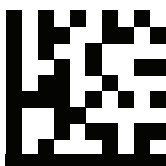
Enable UPC-A



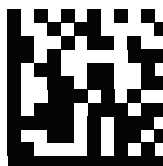
Disable UPC-A



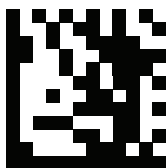
Enable UPC-E



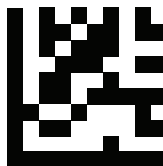
Disable UPC-E



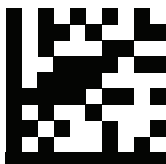
End



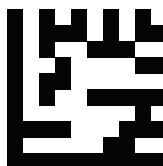
Set



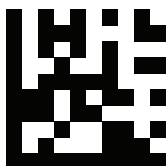
Enable EAN 8



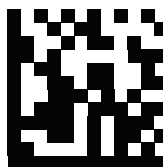
Disable EAN 8



Enable EAN 13

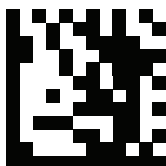


Disable EAN 13

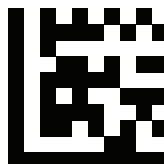


End

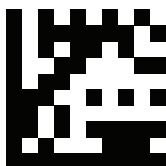
Code 128 Prefix



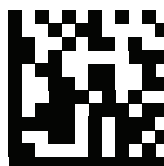
Set



Enable Code 128

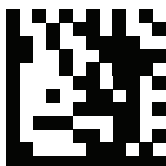


Disable Code 128

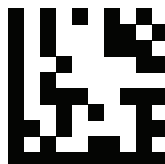


End

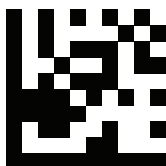
Code 39 Prefix



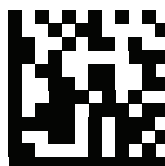
Set



Enable Code 39

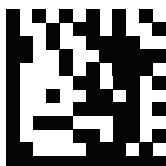


Disable Code 39

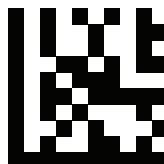


End

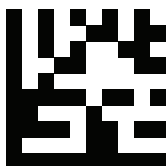
Code 93 Prefix



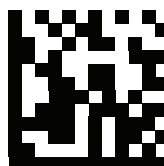
Set



Enable Code 93

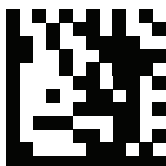


Disable Code 93

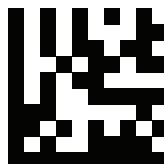


End

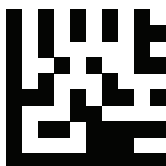
Code 32 Prefix



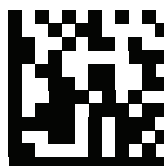
Set



Enable Code 32

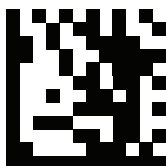


Disable Code 32

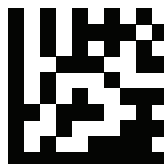


End

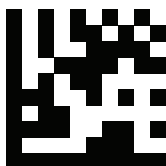
Code 11 Prefix



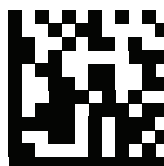
Set



Enable Code 11

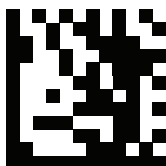


Disable Code 11

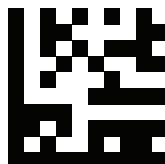


End

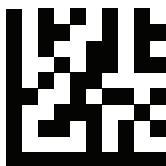
Codabar Prefix



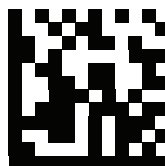
Set



Enable Codabar

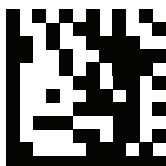


Disable Codabar

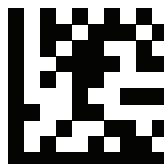


End

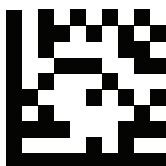
Plessey Prefix



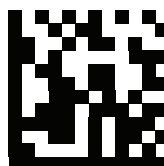
Set



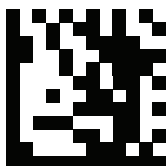
Enable Plessey



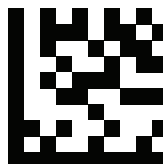
Disable Plessey



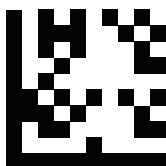
End

MSI Prefix

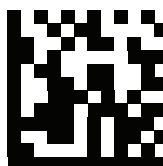
Set



Enable MSI

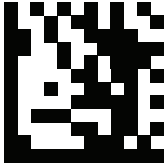


Disable MSI

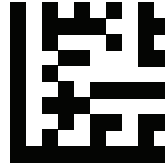


End

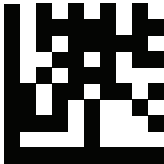
Interleaved 2 of 5 Prefix



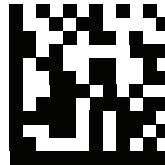
Set



Enable Interleaved 2 of 5

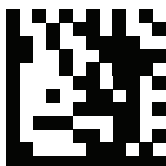


Disable Interleaved 2 of 5

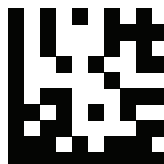


End

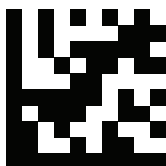
IATA 2 of 5 Prefix



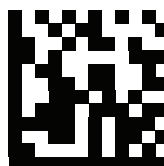
Set



Enable IATA 2 of 5

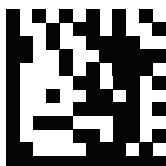


Disable IATA 2 of 5

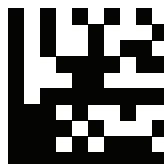


End

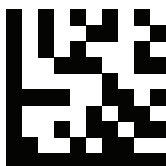
Matrix 2 of 5 Prefix



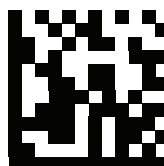
Set



Enable Matrix 2 of 5

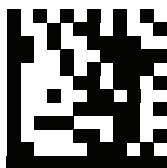


Disable Matrix 2 of 5

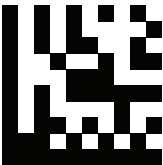


End

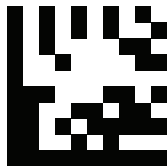
Straight 2 of 5 Prefix



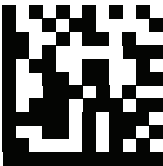
Set



Enable Straight 2 of 5

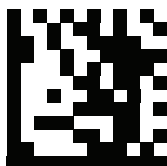


Disable Straight 2 of 5

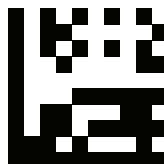


End

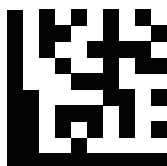
RSS 14 Prefix



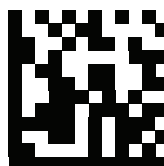
Set



Enable RSS 14

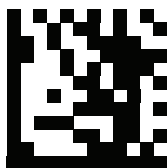


Disable RSS 14

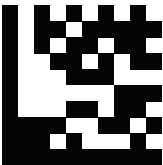


End

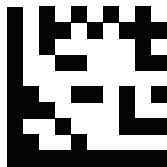
RSS Expanded Prefix



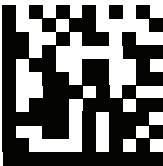
Set



Enable RSS Expanded

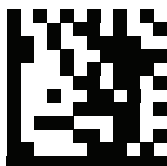


Disable RSS Expanded

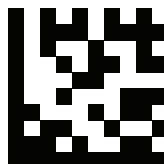


End

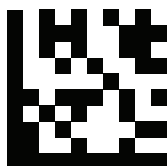
RSS Limited Prefix



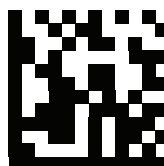
Set



Enable RSS Limited

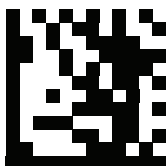


Disable RSS Limited

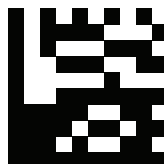


End

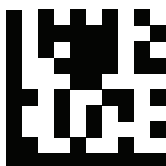
Component CC-A Prefix



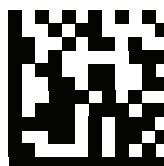
Set



Enable Component CC-A

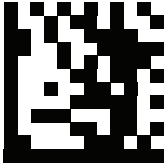


Disable Component CC-A

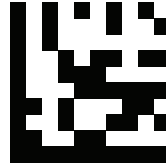


End

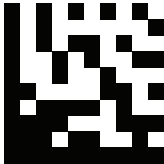
Component CC-B Prefix



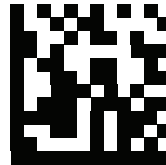
Set



Enable Component CC-B

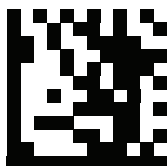


Disable Component CC-B

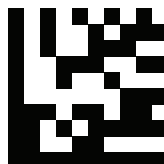


End

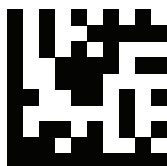
Component CC-C Prefix



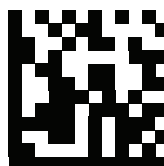
Set



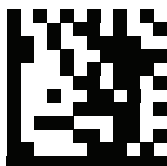
Enable Component CC-C



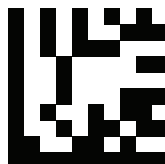
Disable Component CC-C



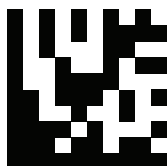
End

PDF 417 Prefix

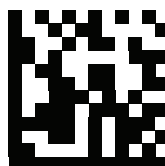
Set



Enable PDF 417

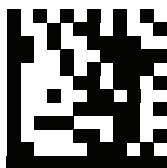


Disable PDF 417

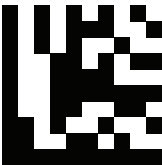


End

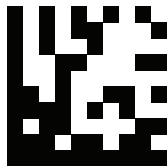
Micro PDF 417 Prefix



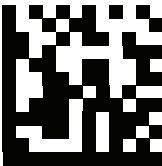
Set



Enable Micro PDF 417

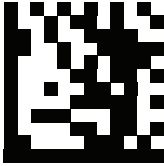


Disable Micro PDF 417

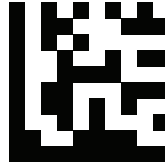


End

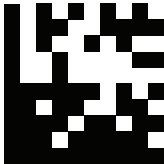
Data Matrix Prefix



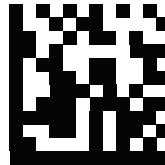
Set



Enable Data Matrix

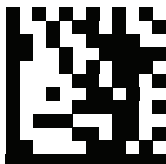


Disable Data Matrix

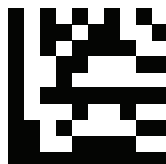


End

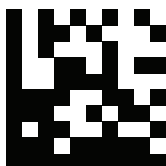
QR Prefix



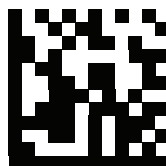
Set



Enable QR Code

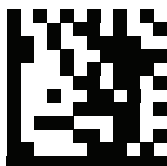


Disable QR Code

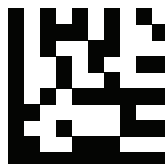


End

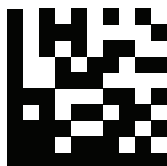
Micro QR Prefix



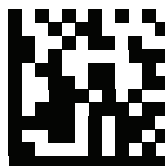
Set



Enable Micro QR

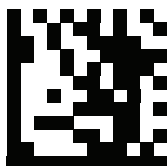


Disable Micro QR

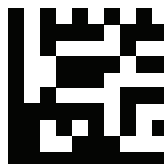


End

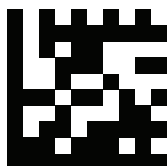
Aztec Prefix



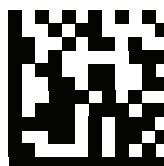
Set



Enable Aztec

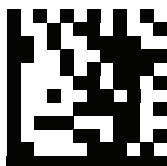


Disable Aztec

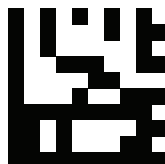


End

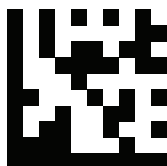
MaxiCode Prefix



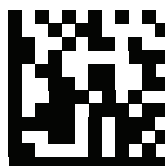
Set



Enable MaxiCode



Disable MaxiCode



End

Data Editing (Suffix)

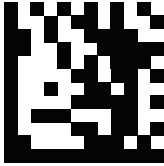
Suffix is additional characters that can be sent after the scanned data. Please scan the barcodes in the selection below to set your suffix.

Suffix Set Up Flow

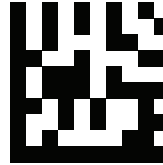
1. Scan Set.
2. Enable barcode type.
3. Scan suffix you would like to add characters within ASCII Table. Up to 4 digits can be added.
4. Scan End.

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.

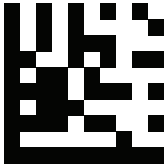
All Suffix



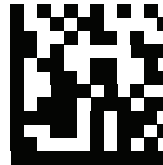
Set



Enable All

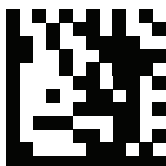


Disable All (Default)

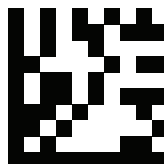


End

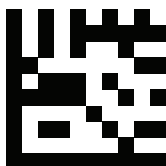
UPC-A Suffix



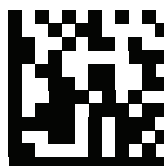
Set



Enable UPC-A

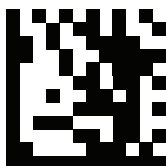


Disable UPC-A

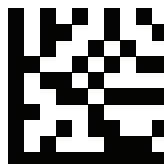


End

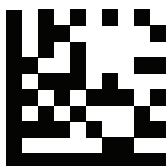
UPC-E Suffix



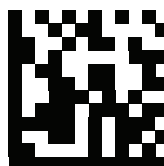
Set



Enable UPC-E

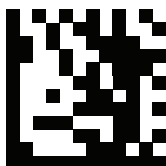


Disable UPC-E

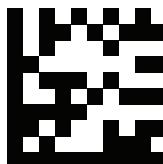


End

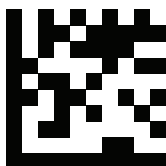
EAN 8 Suffix



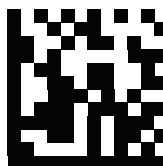
Set



Enable EAN 8

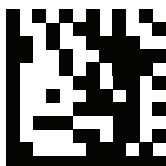


Disable EAN 8



End

EAN 13 Suffix



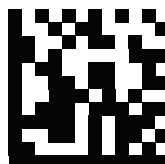
Set



Enable EAN 13

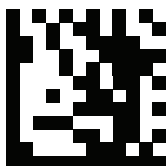


Disable EAN 13

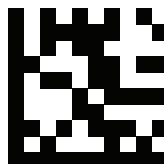


End

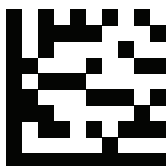
Code 128 Suffix



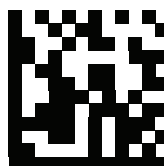
Set



Enable Code 128

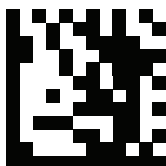


Disable Code 128

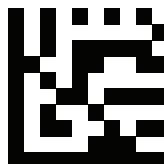


End

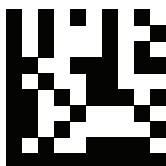
Code 39 Suffix



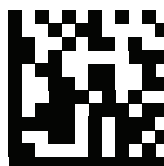
Set



Enable Code 39

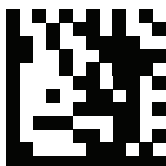


Disable Code 39

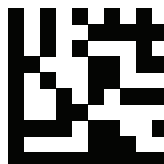


End

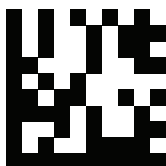
Code 93 Suffix



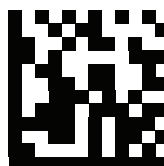
Set



Enable Code 93

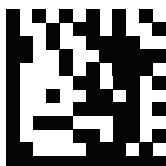


Disable Code 93

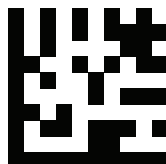


End

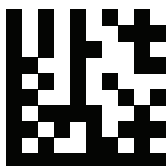
Code 32 Suffix



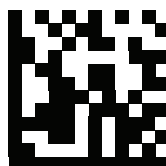
Set



Enable Code 32

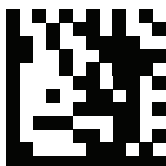


Disable Code 32

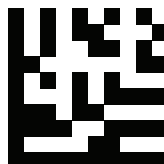


End

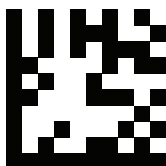
Code 11 Suffix



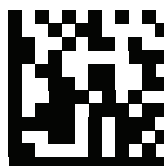
Set



Enable Code 11

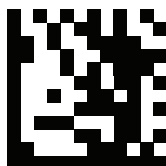


Disable Code 11

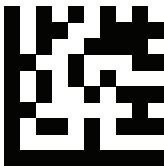


End

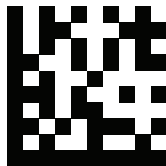
Codabar Suffix



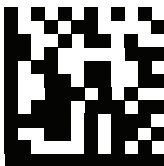
Set



Enable Codabar

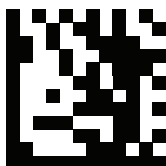


Disable Codabar

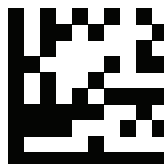


End

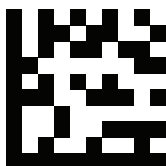
Plessey Suffix



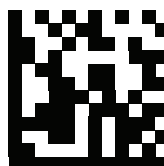
Set



Enable Plessey

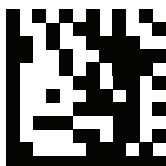


Disable Plessey

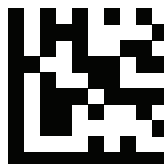


End

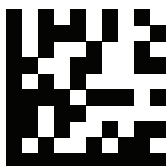
MSI Suffix



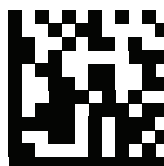
Set



Enable MSI

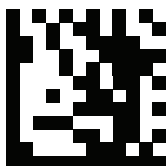


Disable MSI

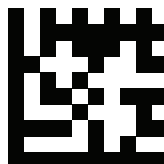


End

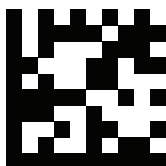
Interleaved 2 of 5 Suffix



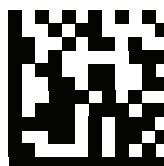
Set



Enable Interleaved 2 of 5

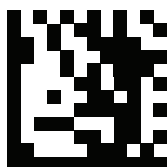


Disable Interleaved 2 of 5

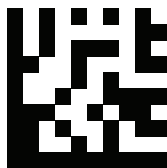


End

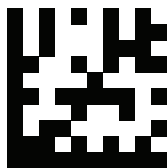
IATA 2 of 5 Suffix



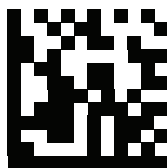
Set



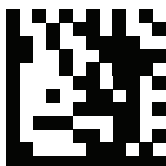
Enable IATA 2 of 5



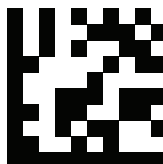
Disable IATA 2 of 5



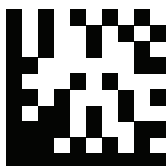
End

Matrix 2 of 5 Suffix

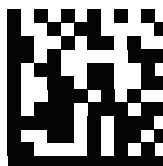
Set



Enable Matrix 2 of 5

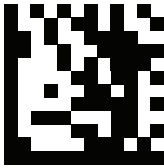


Disable Matrix 2 of 5

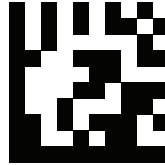


End

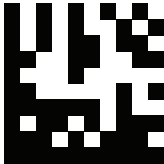
Straight 2 of 5 Suffix



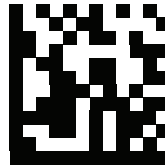
Set



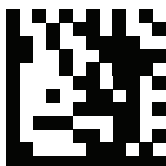
Enable Straight 2 of 5



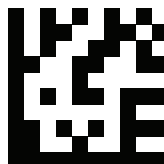
Disable Straight 2 of 5



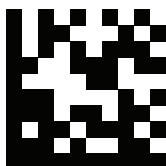
End

RSS 14 Suffix

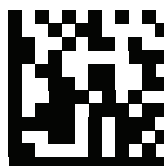
Set



Enable RSS 14

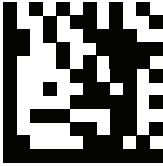


Disable RSS 14

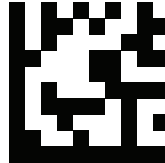


End

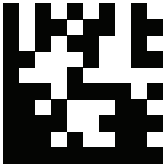
RSS Expanded Suffix



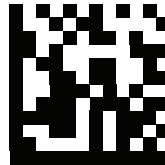
Set



Enable RSS Expanded

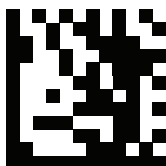


Disable RSS Expanded

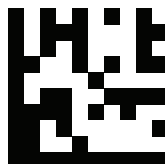


End

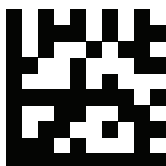
RSS Limited Suffix



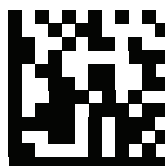
Set



Enable RSS Limited

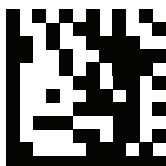


Disable RSS Limited

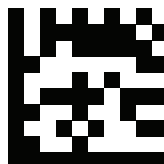


End

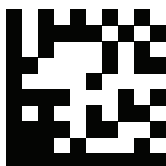
Component CC-A Suffix



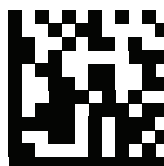
Set



Enable Component CC-A

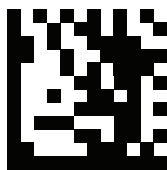


Disable Component CC-A

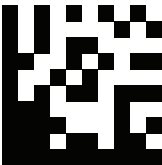


End

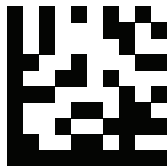
Component CC-B Suffix



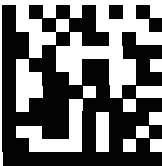
Set



Enable Component CC-B

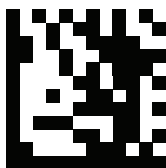


Disable Component CC-B

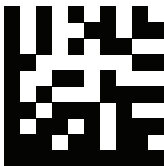


End

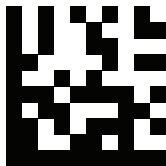
Component CC-C Suffix



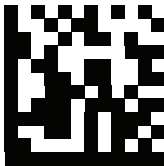
Set



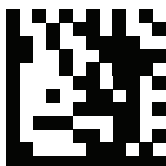
Enable Component CC-C



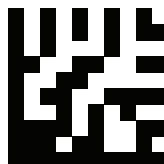
Disable Component CC-C



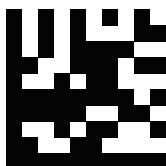
End

PDF-417 Suffix

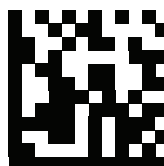
Set



Enable PDF417

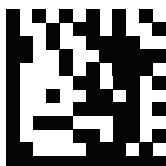


Disable PDF417

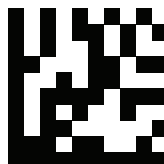


End

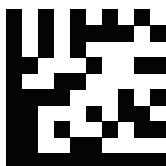
Micro PDF-417 Suffix



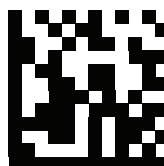
Set



Enable Micro PDF417

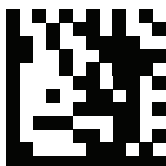


Disable Micro PDF417

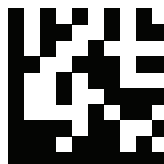


End

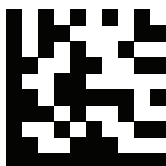
Data Matrix Suffix



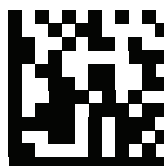
Set



Data Matrix Enable

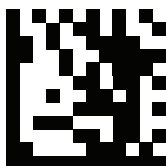


Data Matrix Disable

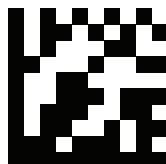


End

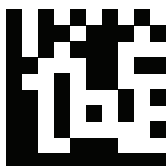
QR Code Suffix



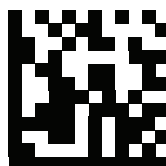
Set



QR Code Enable

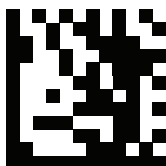


QR Code Disable

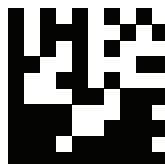


End

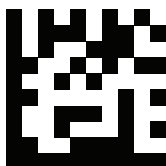
Micro QR Suffix



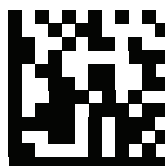
Set



Micro QR Enable

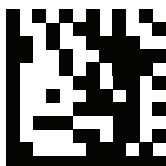


Micro QR Disable

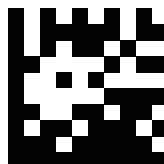


End

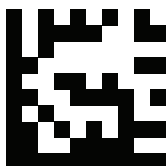
Aztec Suffix



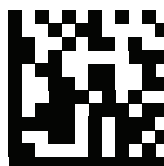
Set



Aztec Enable

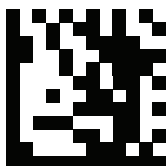


Aztec Disable

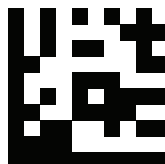


End

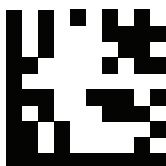
MaxiCode Suffix



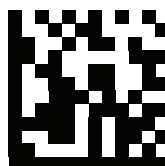
Set



MaxiCode Enable



MaxiCode Disable



End

Code Settings

Set Lengths for Codes

- One Discrete Length

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

Example 1:

To decode Interleaved 2 of 5 symbols with 8 characters:

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

Example 2:

To decode Interleaved 2 of 5 symbols with 12 characters:

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

- Two Discrete Lengths

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

Example:

To decode Code 128 symbols containing either 8 or 14 characters

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

- Length Within Range

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

Example:

To decode Codabar symbols containing between 7 and 8 characters,

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

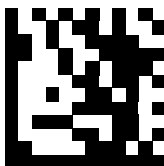
- Any Length

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

Example:

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

Set Lengths for Code 128



Set



One Discrete Length



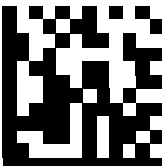
Two Discrete Lengths



Length Within Range

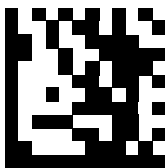


Any Length (Default)



End

Set Lengths for Code 39



Set



One Discrete Length



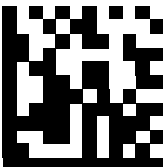
Two Discrete Lengths



Length Within Range

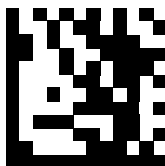


Any Length (Default)



End

Set Lengths for Code 93



Set



One Discrete Length



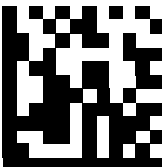
Two Discrete Lengths



Length Within Range

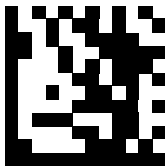


Any Length (Default)



End

Set Lengths for Codabar



Set



One Discrete Length



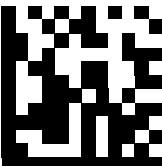
Two Discrete Lengths



Length Within Range

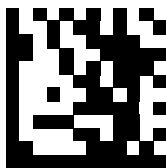


Any Length (Default)



End

Set Lengths for Interleaved 2 of 5



Set



One Discrete Length



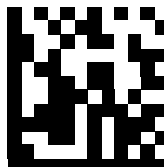
Two Discrete Lengths



Length Within Range

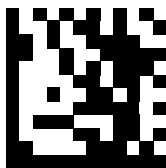


Any Length (Default)



End

Set Lengths for Code 11



Set



One Discrete Length



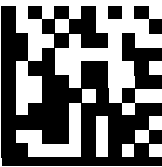
Two Discrete Lengths



Length Within Range

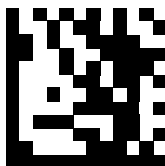


Any Length (Default)



End

Set Lengths for MSI



Set



One Discrete Length



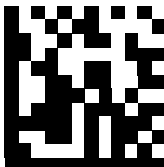
Two Discrete Lengths



Length Within Range

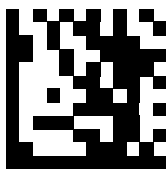


Any Length (Default)



End

Set Lengths for Matrix 2 of 5



Set



One Discrete Length



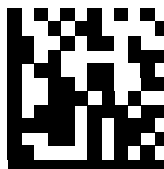
Two Discrete Lengths



Length Within Range



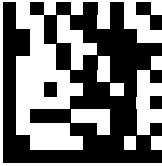
Any Length (Default)



End

Code Identifiers

Scan the following barcodes to set symbology Identifiers.



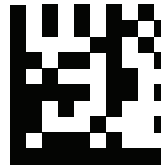
Set



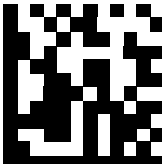
Disable Code ID (Default)



Enable factory standard ID



Enable AIM ID



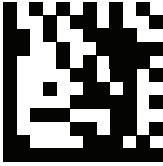
End

Code Identifiers Table

Symbology	Factory Standard	AIM
UPC-A	A	E
UPC-E	E	E
EAN 8	FF	E
EAN 13	F	E
Code 128	K	C
Code 39	M	A
Code 93	L	G
Code 32	M	X
Code 11	O	H
Codabar	N	F
Plessey	P	P
MSI / Plessey	a	M
Interleaved 2 of 5	I	I
IATA 2 of 5	Z	R
Matrix 2 of 5	G	X
Straight 2 of 5	S	S
Pharmacode	H	X
RSS 14	RS	e
RSS Expanded	RX	e
RSS 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

Keyboard Caps Lock State

Scan a barcode below to turn Caps on or off.



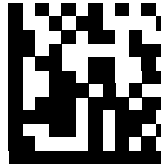
Set



Caps Lock Off (Default)



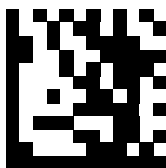
Caps Lock On



End

Function Key Mapping

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



Set



Disable Function Key Mapping (Default)



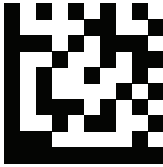
Enable Function Key Mapping



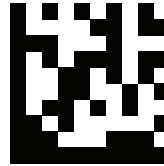
End

ASCII Code

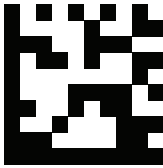
For parameters requiring specific numeric values, scan the appropriately numbered barcode(s).



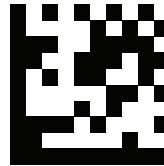
Space



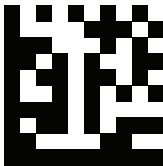
!



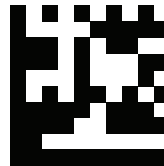
"



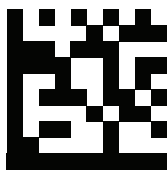
#



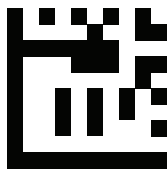
\$



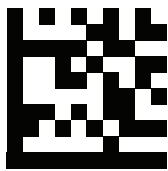
%



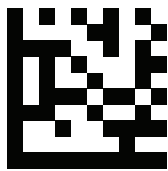
&



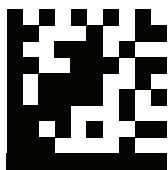
,



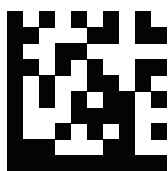
(



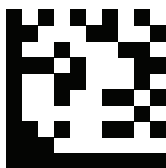
)



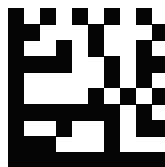
*



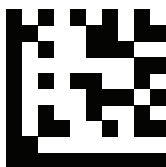
+



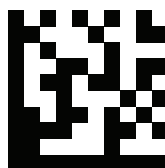
,



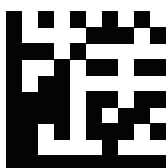
-



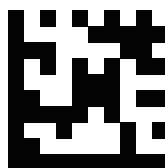
.



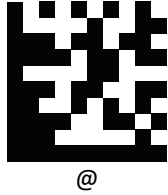
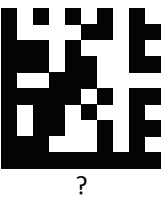
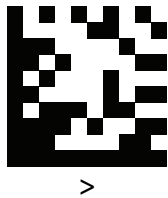
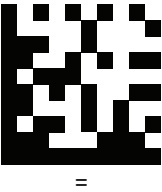
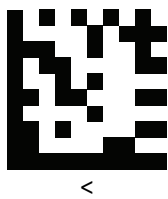
/

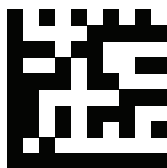


:

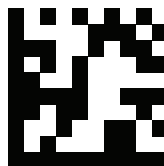


;

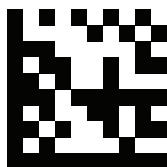




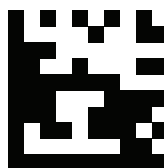
0



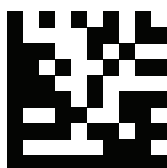
1



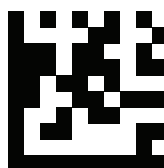
2



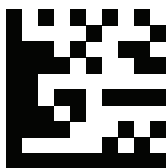
3



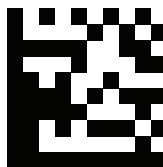
4



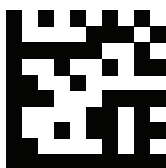
5



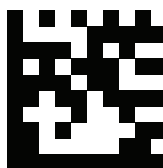
6



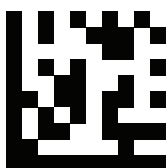
7



8

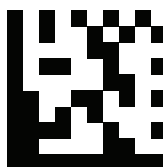


9



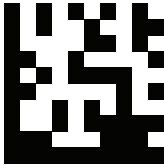
A

(Function Key
Mapping: Ctrl+a)



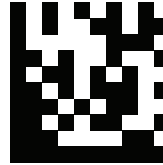
B

(Function Key
Mapping: Ctrl+b)



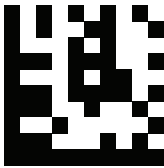
C

(Function Key
Mapping: Ctrl+c)



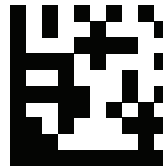
D

(Function Key
Mapping: Ctrl+d)



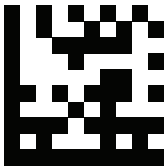
E

(Function Key
Mapping: Ctrl+e)



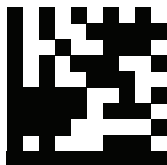
F

(Function Key
Mapping: Ctrl+f)

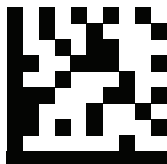


G

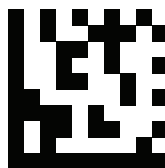
(Function Key
Mapping: Ctrl+g)



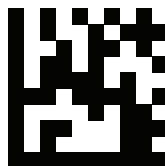
I
(Function Key
Mapping: Ctrl+i)



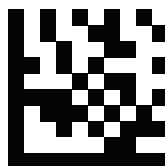
K
(Function Key
Mapping: Ctrl+k)



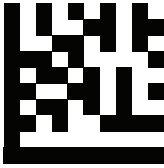
H
(Function Key
Mapping: Ctrl+h)



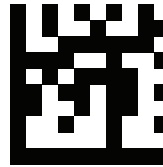
J
(Function Key
Mapping: Ctrl+j)



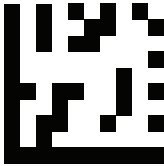
L
(Function Key
Mapping: Ctrl+l)



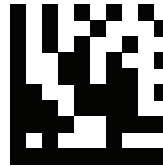
M
(Function Key
Mapping: Ctrl+m)



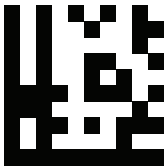
N
(Function Key
Mapping: Ctrl+n)



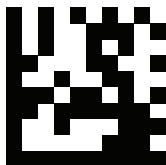
O
(Function Key
Mapping: Ctrl+o)



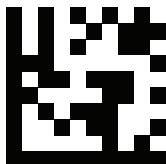
P
(Function Key
Mapping: Ctrl+p)



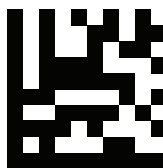
Q
(Function Key
Mapping: Ctrl+q)



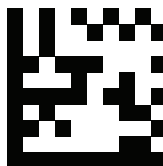
S
(Function Key
Mapping: Ctrl+s)



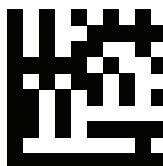
U
(Function Key
Mapping: Ctrl+u)



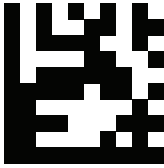
R
(Function Key
Mapping: Ctrl+r)



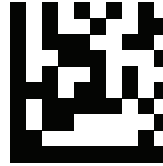
T
(Function Key
Mapping: Ctrl+t)



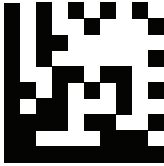
V
(Function Key
Mapping: Ctrl+v)



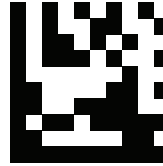
W
(Function Key
Mapping: Ctrl+w)



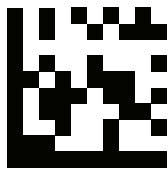
X
(Function Key
Mapping: Ctrl+x)



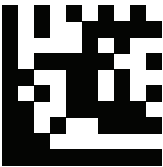
Y
(Function Key
Mapping: Ctrl+y)



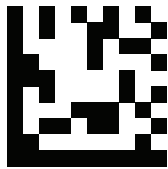
Z
(Function Key
Mapping: Ctrl+z)



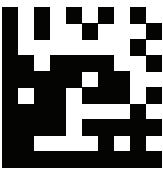
a



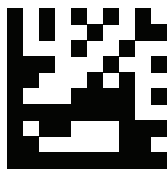
b



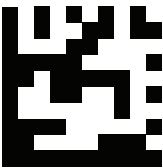
c



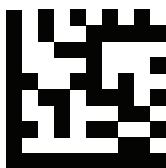
d



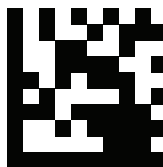
e



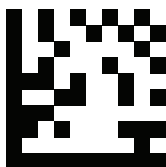
f



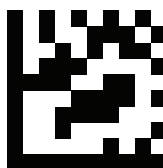
g



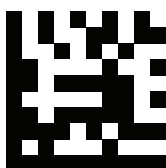
h



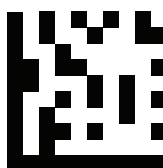
i



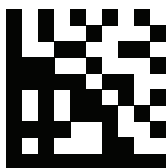
j



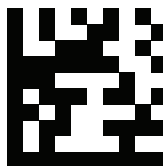
k



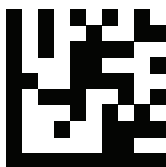
l



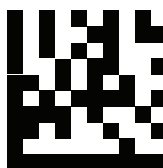
m



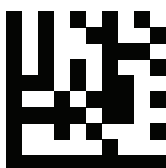
n



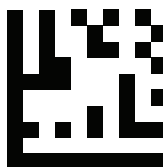
o



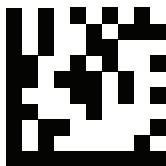
p



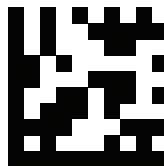
q



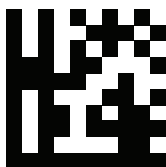
r



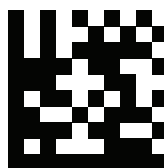
s



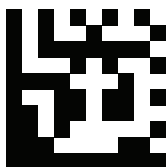
t



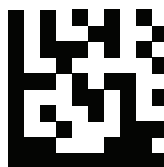
u



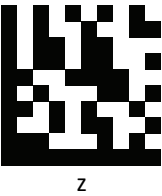
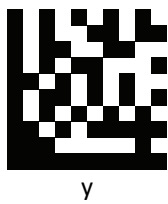
v



w



x





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



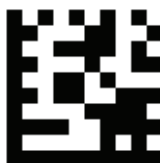
F7



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



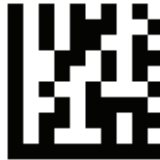
Use barcodes to configure the Handheld scanner

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="115200"/>
        <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 =115200

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:

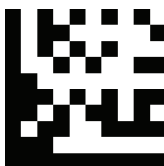
Start of Configuration



USB Virtual COM Port



JPOS Enable



End of Configuration



Install the Java RXTXcomm API

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

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

Running the JavaPOS Test utility

Please run the test application to evaluate your installation.

How to Use JavaPOS Driver at your application

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

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

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

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

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

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

<JposEntries>

</JposEntries>
```