

# **Programming Guide**

**Advanced 2D Image Scanner**



This Programming Guide is intended for:

- 2D Image On-Counter Scanner: Z-8082 Lite

# Revision History

Changes to the original manual are listed below:

Version	Date	Description of Version
1.0.1	2019/1/2	Initial Release
1.0.2	2019/1/21	Add Stand By Mode Setting Same Code Delay Setting

# Important Notice

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## ***General Handling Precautions***

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

## ***Guidance for Printing***

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

## **Firmware Notice**

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

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# Using the Scanner

## Beeper Indication

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

## LED Indication

---

Beeps	Indication
Steady Blue	Scanner in work mode
1 Red Flash	A barcode has been successfully decoded

# Settings and Programming

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

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

## Program Set Up Flow

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

# User Preferences

---

## *Show Version*

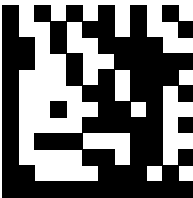
Scan this barcode to display firmware version.



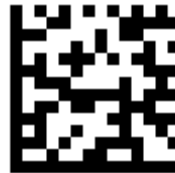
Read device information

## *System Settings*

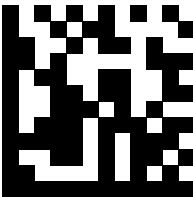
Scan this barcode to return all parameters to the default values.



Set



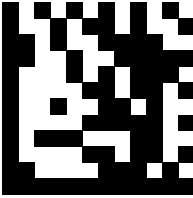
Factory default settings



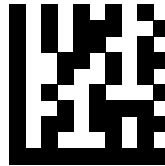
End

### Interface Switch

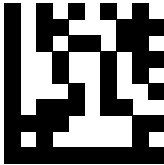
Your 2D Imager supports interfaces such as USB HID, RS232 serial, and USB virtual COM. To switch the interface, simply select the appropriate cable and configure the proper interface by following interface selection.



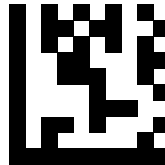
Set



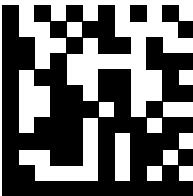
RS-232



USB Keyboard

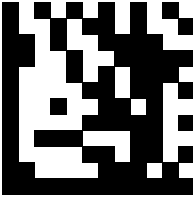


USB Virtual COM Port  
\*Driver required

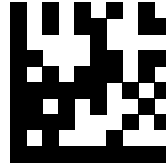


End

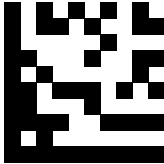
*Terminal Character*



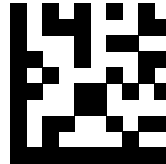
Set



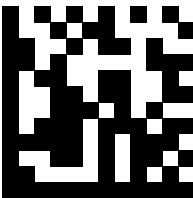
None



CR (Default)



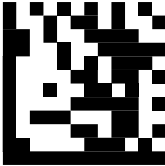
TAB



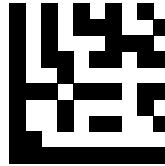
End

### RS232 Baud Rate

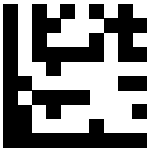
Baud rate is the number of bits of data transmitted per second. Set the imager's baud rate to match the baud rate setting of the host device. Otherwise, data may not reach the host device or may reach it in distorted form.



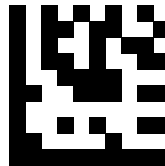
Set



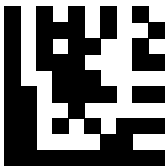
9600



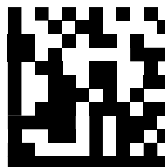
19200



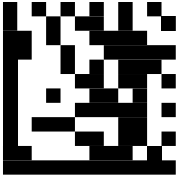
38400



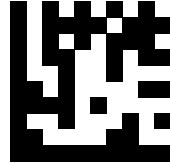
57600



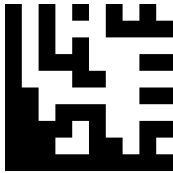
End



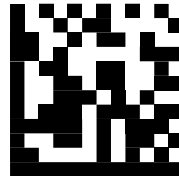
Set



115200 (Default)



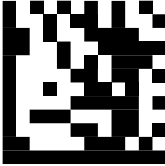
230400



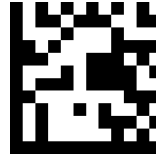
End

### Standby Mode Timeout

Use the barcodes below to set the timeout to standby Mode. When entering Standby Mode, the LED illumination would reduce brightness.



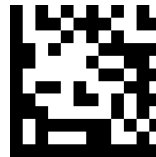
Set



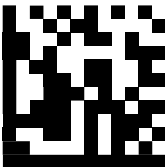
Off (Default)



20 seconds

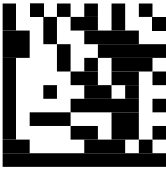


30 seconds

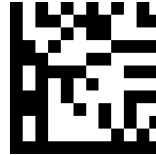


End

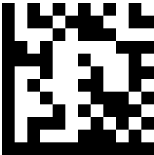




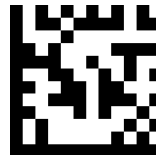
Set



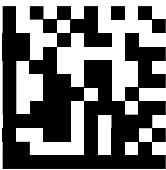
1 minute



5 minutes



10 minutes

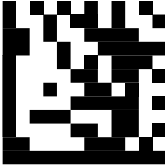


End

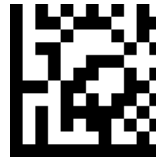
## ***Sleep Mode Timeout***

Use the barcodes below to set the timeout to Sleep Mode. When entering Sleep Mode, the LED illumination would turn off.

Before using this mode, please **turn off** Standby Mode.



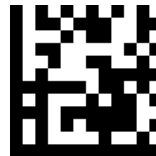
Set



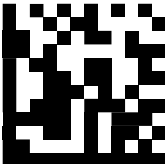
Off (Default)



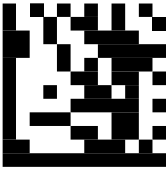
30 seconds



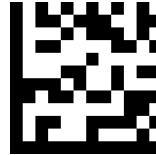
1 minutes



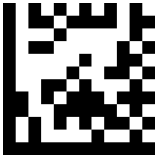
End



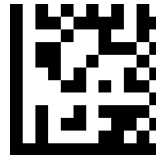
Set



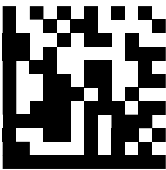
5 minutes



10 minutes



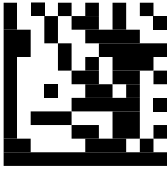
30 minutes



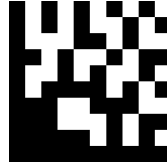
End

### Same Code Delay Time

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



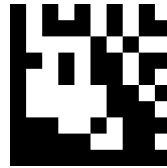
Set



200 msec



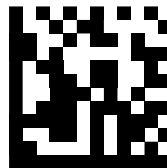
500 msec (Default)



1 second



2 seconds



End

# Symbology Parameter Defaults

---

Table below lists the defaults for all symbologies parameters. To change any option, scan the appropriate barcode(s) provided in the Readable Symbologies section.

## *Symbology Default Table*

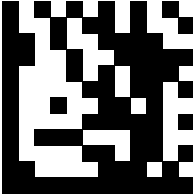
Symbology	Default
UPC-A	Enable
UPC-E	Enable
EAN 8	Enable
EAN 13	Enable
Code 128	Enable
Code 39	Enable
Code 93	Enable
Codabar	Enable
Plessey	<b>Disable</b>
MSI Plessey	Enable
Interleaved 2 of 5	Enable
PDF417	Enable
Micro PDF417	<b>Disable</b>
Data Matrix	Enable
QR	Enable
Micro QR	<b>Disable</b>

# 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*



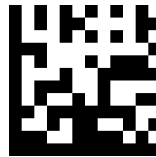
Set



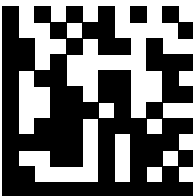
Enable All Symbolologies



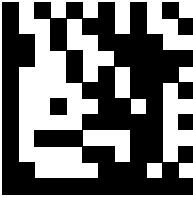
Enable 1D Symbolologies Only



Enable 2D Symbolologies Only



End

**UPC-A**

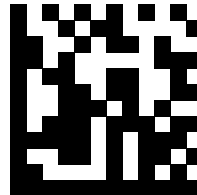
Set



Enable UPC-A (Default)

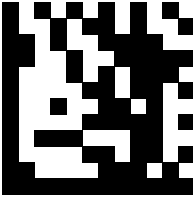


Disable UPC-A



End

**UPC-E**



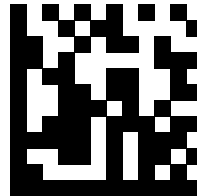
Set



Enable UPC-E (Default)

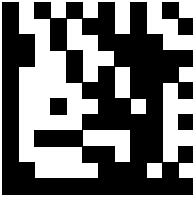


Disable UPC-E



End



**EAN 8**

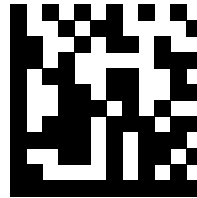
Set



Enable EAN 8 (Default)

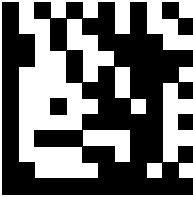


Disable EAN 8



End

**EAN 13**



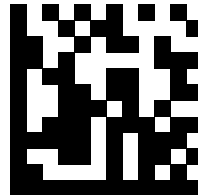
Set



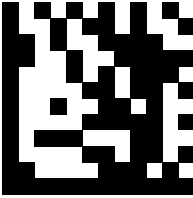
Enable EAN 13 (Default)



Disable EAN 13



End

**Code 128**

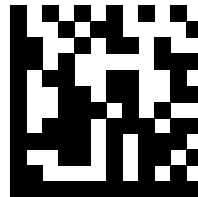
Set



Enable Code 128 (Default)

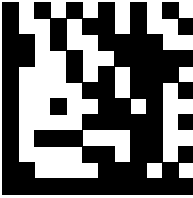


Disable Code 128



End

**Code 39**



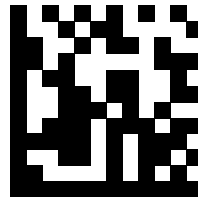
Set



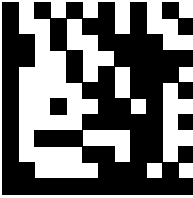
Enable Code 39 (Default)



Disable Code 39



End

**Code 93**

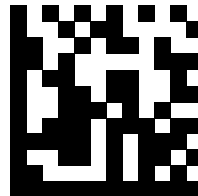
Set



Enable Code 93 (Default)

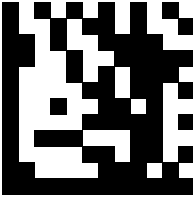


Disable Code 93



End

## Codabar



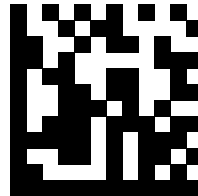
Set



Enable Codabar (Default)

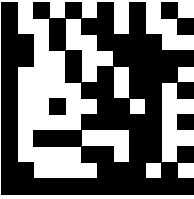


Disable Codabar



End

## *Plessey*



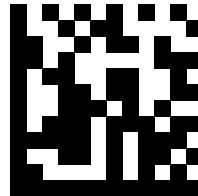
Set



Enable Plessey

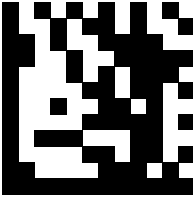


Disable Plessey (Default)



End

## MSI Plessy



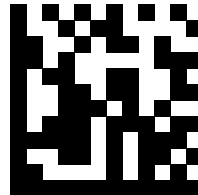
Set



Enable MSI Plessy (Default)



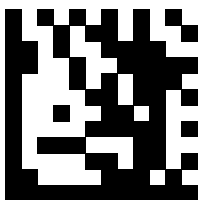
Disable MSI Plessy



End



## *Interleaved 2 of 5*



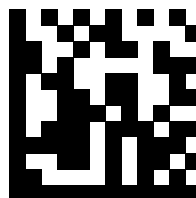
Set



Enable Interleaved 2 of 5 (Default)

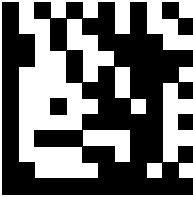


Disable Interleaved 2 of 5



End

**PDF 417**



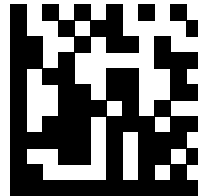
Set



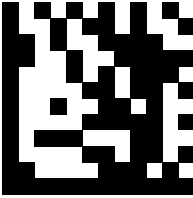
Enable PDF 417 (Default)



Disable PDF 417



End

**Micro PDF 417**

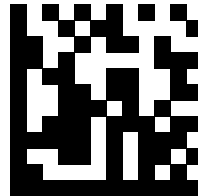
Set



Enable Micro PDF 417 (Default)

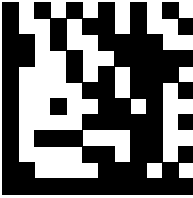


Disable Micro PDF 417



End

## DataMatrix



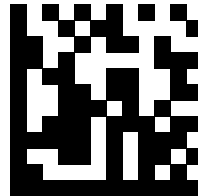
Set



Enable DataMatrix (Default)

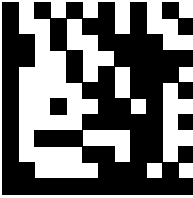


Disable DataMatrix



End

## QR Code



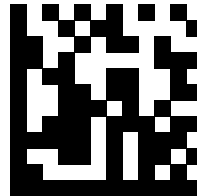
Set



Enable QR Code (Default)

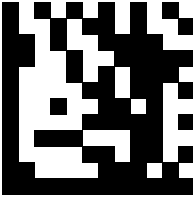


Disable QR Code

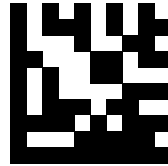


End

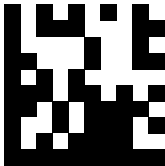
## Micro QR Code



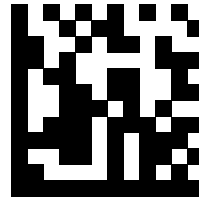
Set



Enable Micro QR Code



Disable Micro QR Code (Default)



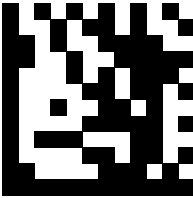
End

# Symbology Features

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

## *UPC / EAN*



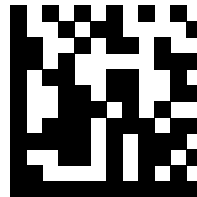
Set



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

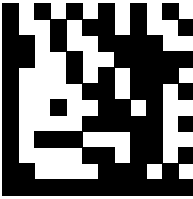


Disable decoding of 2/5-digit supplemental code for UPC-A, UPC-E, EAN 13, and EAN 8 (Default)

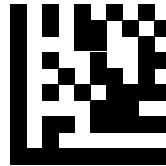


End

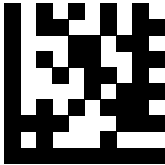
**UPC-A**



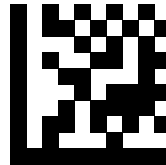
Set



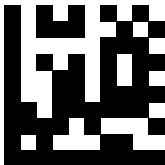
Enable UPC-A Number System digit  
(Default)



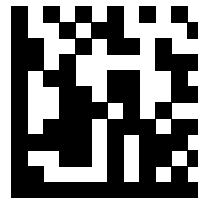
Disable UPC-A Number System digit



Enable UPC-A check digit (Default)

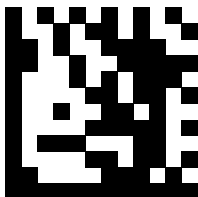


Disable UPC-A check digit

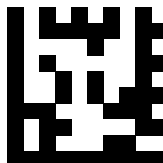


End

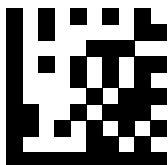




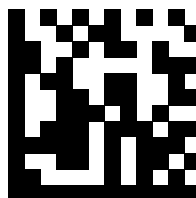
Set



Enable conversion of UPC-A to EAN 13

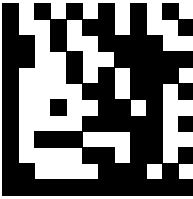


Disable conversion of UPC-A to EAN 13  
(Default)

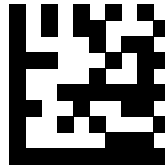


End

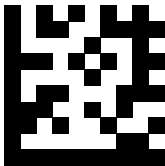
**UPC-E**



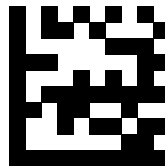
Set



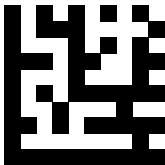
Enable UPC-E number system digit  
(Default)



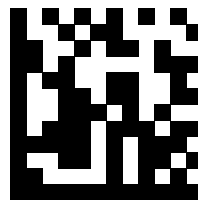
Disable UPC-E number system digit



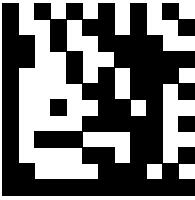
Enable UPC-E check digit (Default)



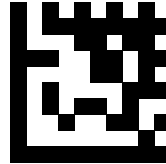
Disable UPC-E check digit



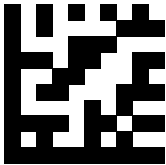
End



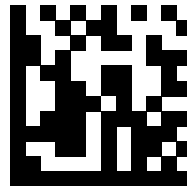
Set



Enable conversion of UPC-E to UPC-A

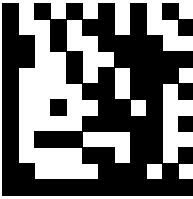


Disable conversion of UPC-E to UPC-A  
(Default)

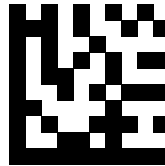


End

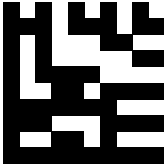
## EAN 8



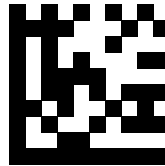
Set



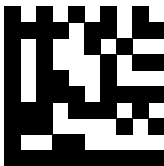
Enable EAN 8 check digit (Default)



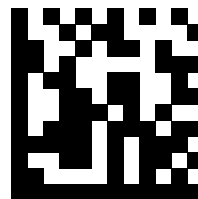
Disable EAN 8 check digit



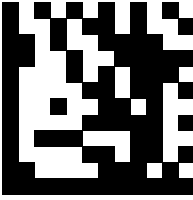
Enable conversion of EAN 8 to EAN 13



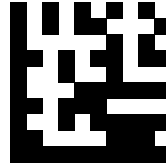
Disable conversion of EAN 8 to EAN 13  
(Default)



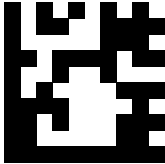
End

**EAN 13**

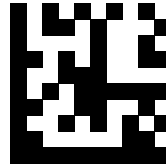
Set



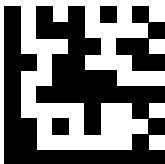
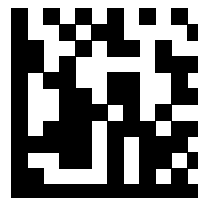
Enable EAN 13 check digit (Default)



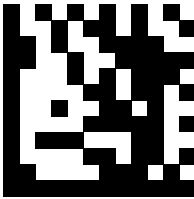
Disable EAN 13 check digit



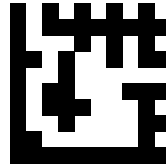
Enable conversion of EAN 13 to ISBN

Disable conversion of EAN 13 to ISBN  
(Default)

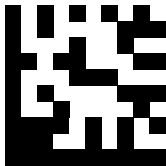
End



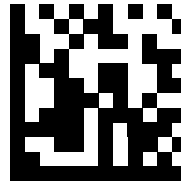
Set



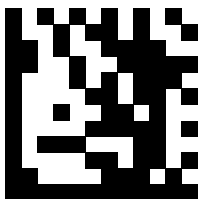
Enable conversion of EAN 13 to ISSN



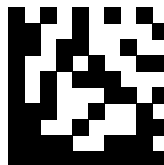
Disable conversion of EAN 13 to ISSN  
(Default)



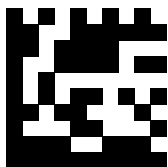
End

**Code 39**

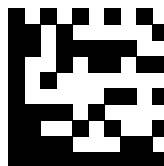
Set



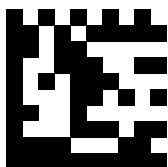
Enable Code 39 full ASCII mode



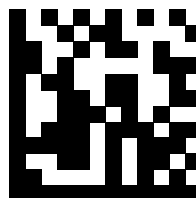
Disable Code 39 full ASCII mode (Default)



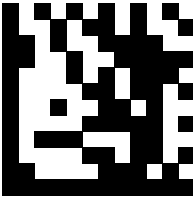
Enable start and stop characters



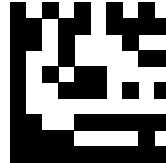
Disable start and stop characters (Default)



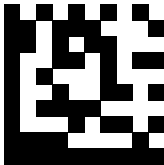
End



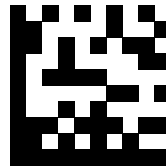
Set



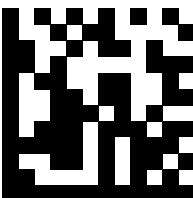
Disable checksum (Default)



Enable checksum and send check character



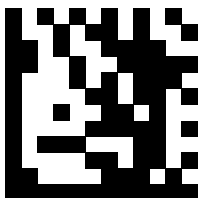
Enable checksum and strip check character



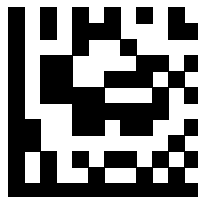
End



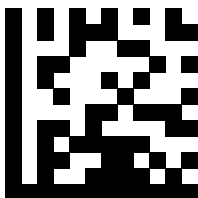
### Codabar



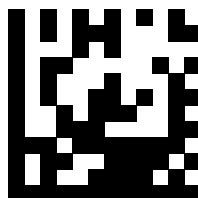
Set



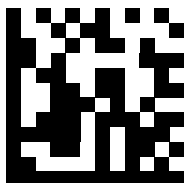
Disable checksum (Default)



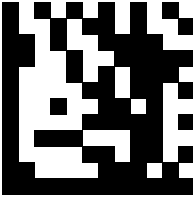
Enable checksum and send check character



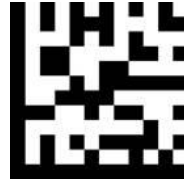
Enable checksum and strip check character



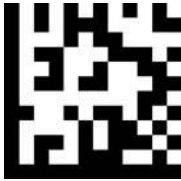
End



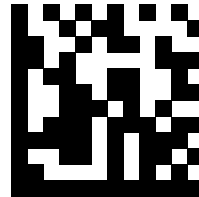
Set



Enable stripping start and stop characters

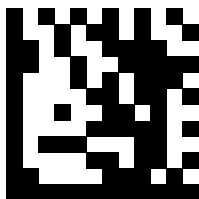


Disable stripping start and stop characters  
(Default)

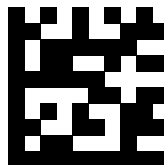


End

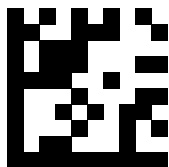
## Interleaved 2 of 5



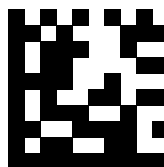
Set



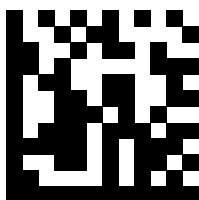
Disable checksum (Default)



Enable checksum and send check character



Enable checksum and strip check character

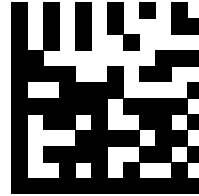


End

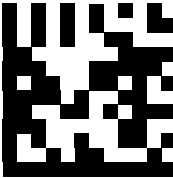
*MSI Plessey*



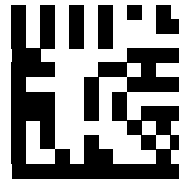
Set



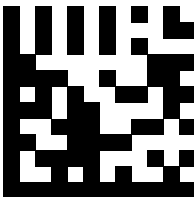
Disable MSI Plessey checksum



Mod 10 checksum (Default)



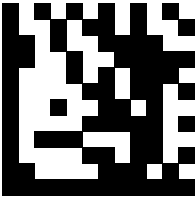
Mod 10/10 checksum



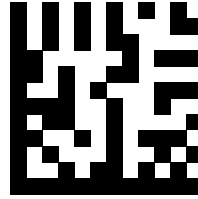
Mod 11/10 checksum



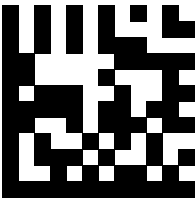
End



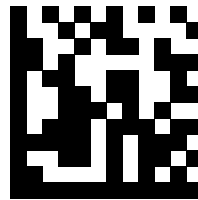
Set



Output checksum character(s) (Default)

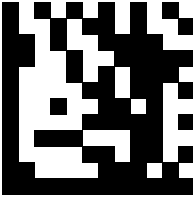


Strip checksum character(s)

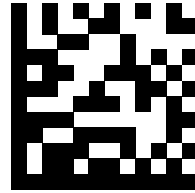


End

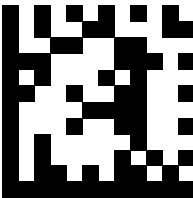
## DataMatrix



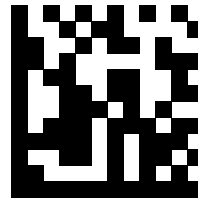
Set



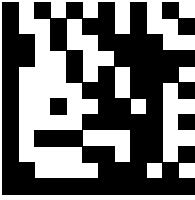
Enable mirror decoding (Default)



Disable mirror decoding



End



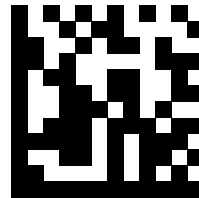
Set



Enable rectangular DataMatrix decoding  
(Default)

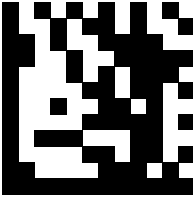


Disable rectangular DataMatrix decoding

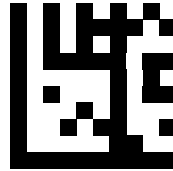


End

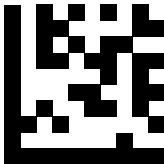
QR / Micro QR



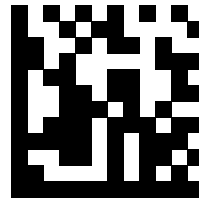
Set



Enable mirror decoding (Default)

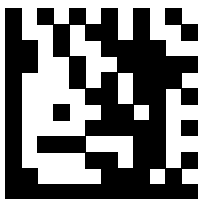


Disable mirror decoding



End





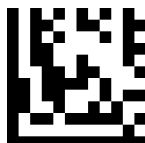
Set



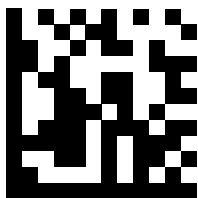
Universal Simple Chinese output for  
Notepad, Excel



Universal multi-language output for  
Notepad, Excel (Default)



Code-page output for Word



End

## Data Editing (Prefix)

---

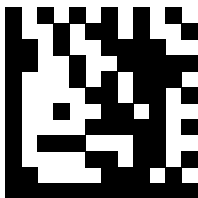
Prefix is additional characters that can be sent before the scanned data. Please scan the barcodes in the selection below to set your prefix.

### *Prefix Set Up Flow*

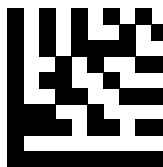
1. Scan Set.
2. Enable barcode type.
3. Scan prefix you would like to add characters within ASCII Table. Up to 4 digits can be added.
4. Scan End.

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.

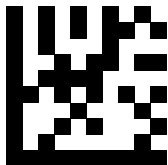
## All Prefix



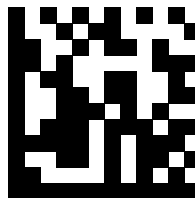
Set



Enable All

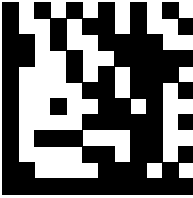


Disable All (Default)

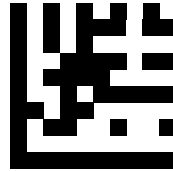


End

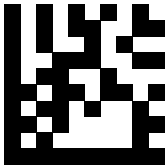
*UPC / EAN Prefix*



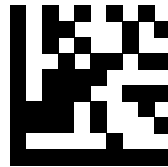
Set



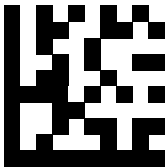
Enable UPC-A



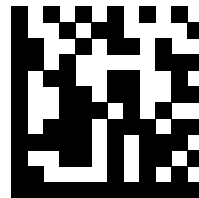
Disable UPC-A



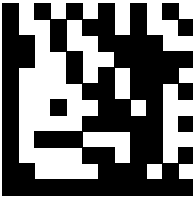
Enable UPC-E



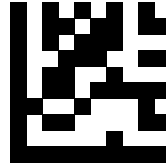
Disable UPC-E



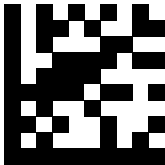
End



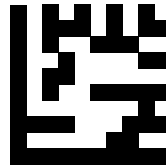
Set



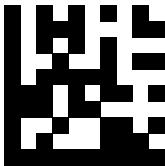
Enable EAN 8



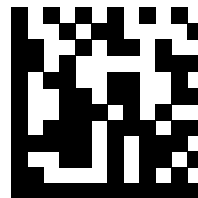
Disable EAN 8



Enable EAN 13

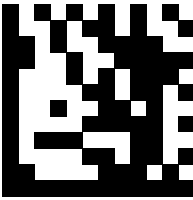


Disable EAN 13

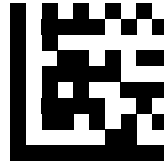


End

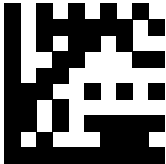
### Code 128 Prefix



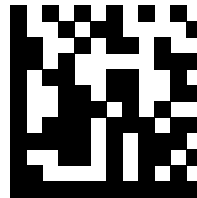
Set



Enable Code 128

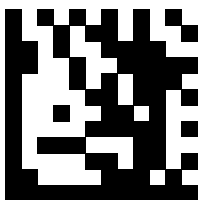


Disable Code 128

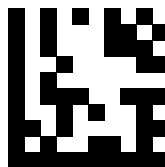


End

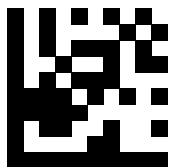
## Code 39 Prefix



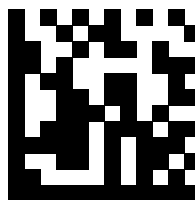
Set



Enable Code 39

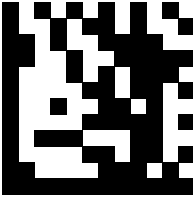


Disable Code 39

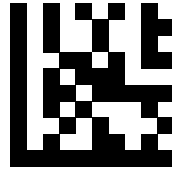


End

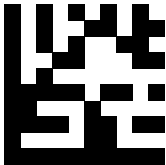
### Code 93 Prefix



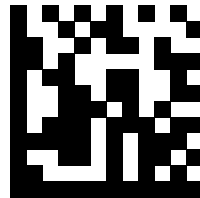
Set



Enable Code 93



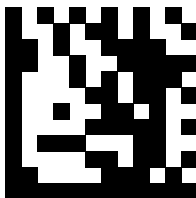
Disable Code 93



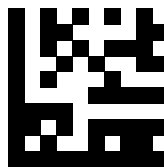
End



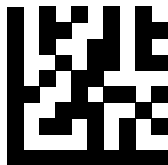
## Codabar Prefix



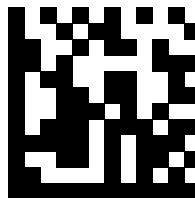
Set



Enable Codabar

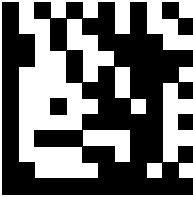


Disable Codabar

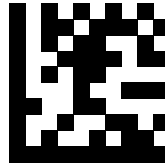


End

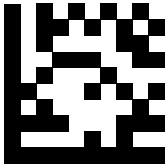
*Plessey Prefix*



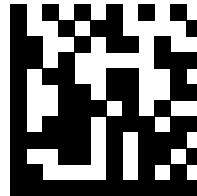
Set



Enable Plessey

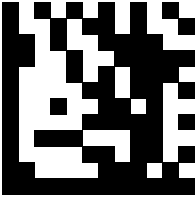


Disable Plessey

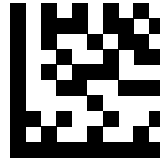


End

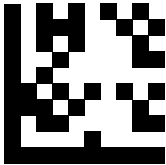
## *MSI Plessey Prefix*



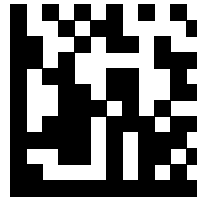
Set



Enable MSI Plessey

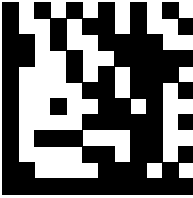


Disable MSI Plessey

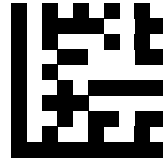


End

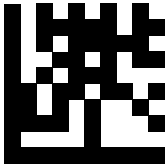
### *Interleaved 2 of 5 Prefix*



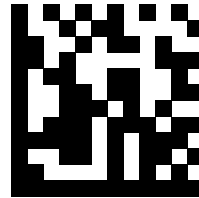
Set



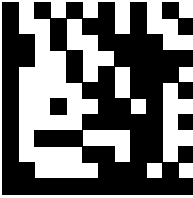
Enable Interleaved 2 of 5



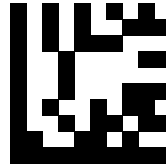
Disable Interleaved 2 of 5



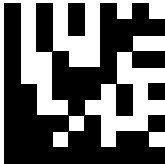
End

**PDF 417 Prefix**

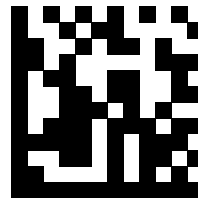
Set



Enable PDF 417

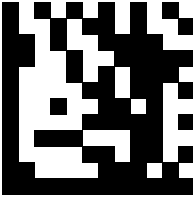


Disable PDF 417

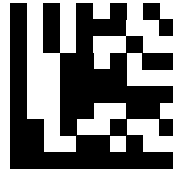


End

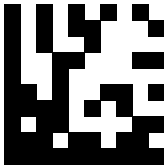
*Micro PDF 417 Prefix*



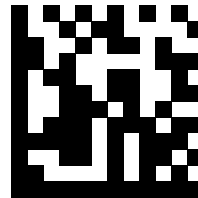
Set



Enable Micro PDF 417

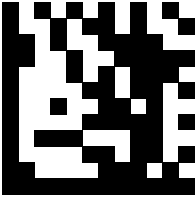


Disable Micro PDF 417

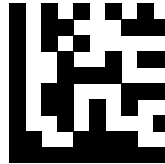


End

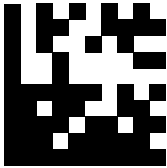
## *DataMatrix Prefix*



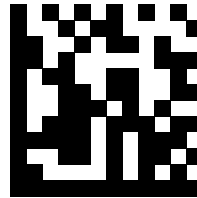
Set



Enable DataMatrix

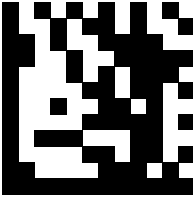


Disable DataMatrix

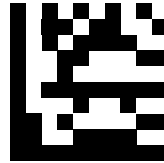


End

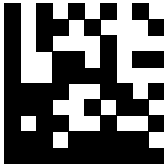
## QR Code Prefix



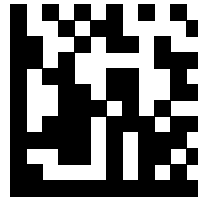
Set



Enable QR Code



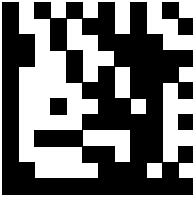
Disable QR Code



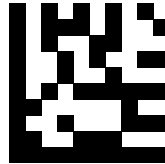
End



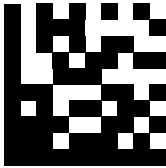
## Micro QR Code Prefix



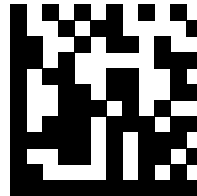
Set



Enable Micro QR Code



Disable Micro QR Code



End

## Data Editing (Suffix)

---

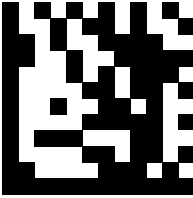
Suffix is additional characters that can be sent after the scanned data. Please scan the barcodes in the selection below to set your suffix.

### ***Suffix Set Up Flow***

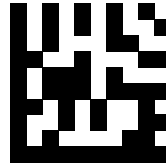
1. Scan Set.
2. Enable barcode type.
3. Scan suffix you would like to add characters within ASCII Table. Up to 4 digits can be added.
4. Scan End.

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.

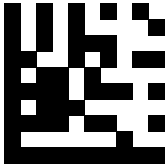
## All Suffix



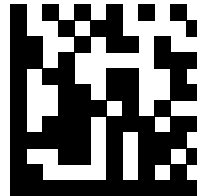
Set



Enable All

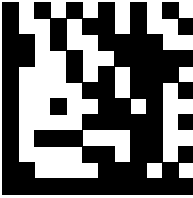


Disable All (Default)

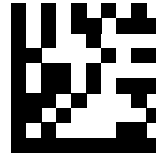


End

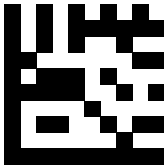
## UPC-A Suffix



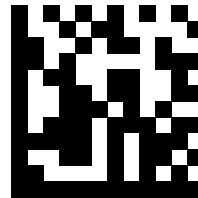
Set



Enable UPC-A

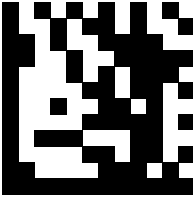


Disable UPC-A

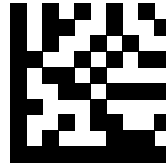


End

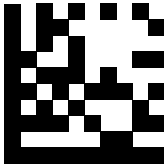
## UPC-E Suffix



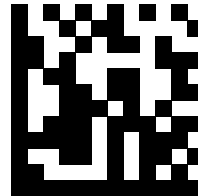
Set



Enable UPC-E

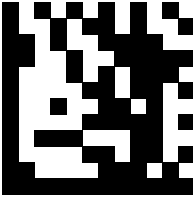


Disable UPC-E

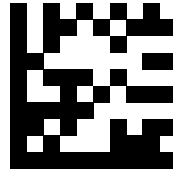


End

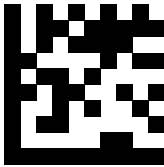
### *EAN 8 Suffix*



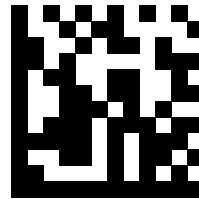
Set



Enable EAN 8

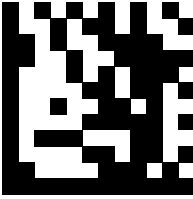


Disable EAN 8

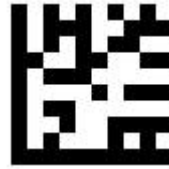


End

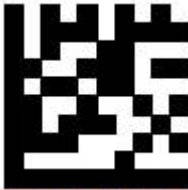
## *EAN 13 Suffix*



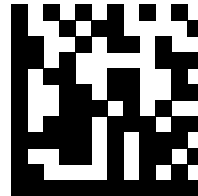
Set



Enable EAN 13

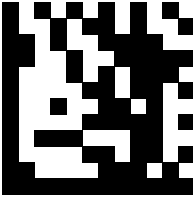


Disable EAN 13

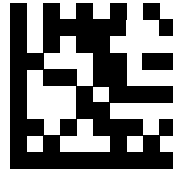


End

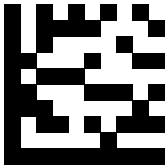
### Code 128 Suffix



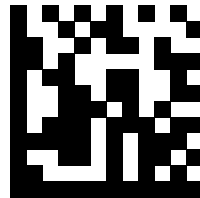
Set



Enable Code 128



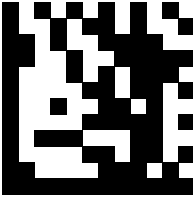
Disable Code 128



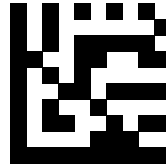
End



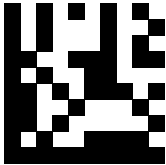
## Code 39 Suffix



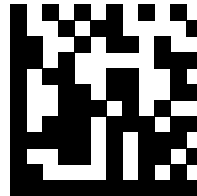
Set



Enable Code 39

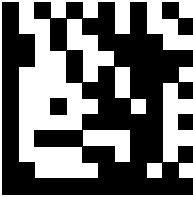


Disable Code 39

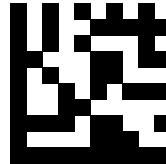


End

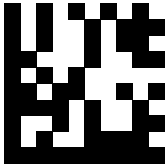
### Code 93 Suffix



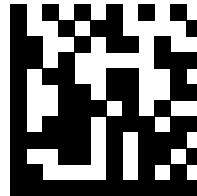
Set



Enable Code 93

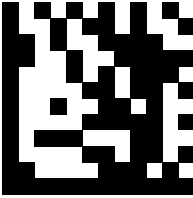


Disable Code 93

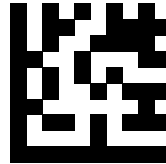


End

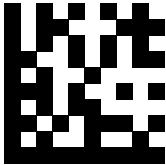
## Codabar Suffix



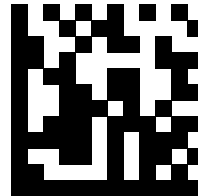
Set



Enable Codabar

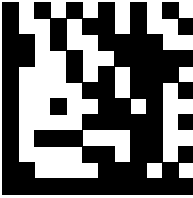


Disable Codabar

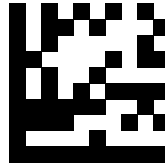


End

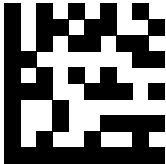
### *Plessey Suffix*



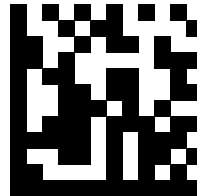
Set



Enable Plessey

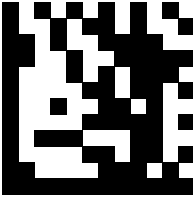


Disable Plessey

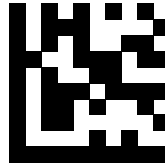


End

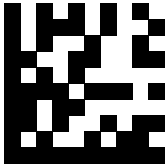
## *MSI Plessey Suffix*



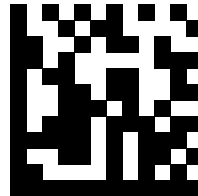
Set



Enable MSI Plessey

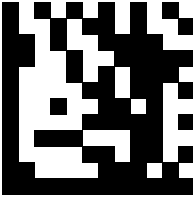


Disable MSI Plessey

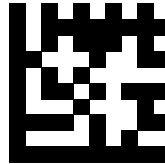


End

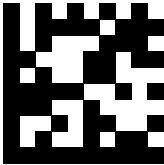
### *Interleaved 2 of 5 Suffix*



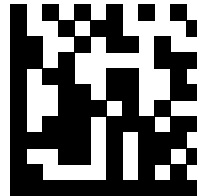
Set



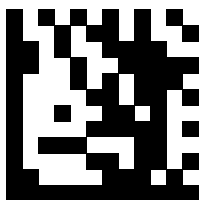
Enable Interleaved 2 of 5



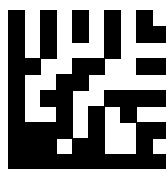
Disable Interleaved 2 of 5



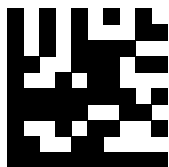
End

**PDF 417 Suffix**

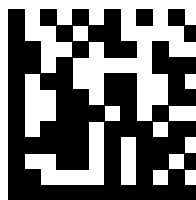
Set



Enable PDF 417

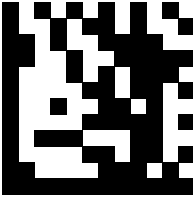


Disable PDF 417

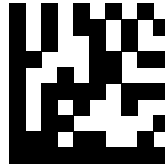


End

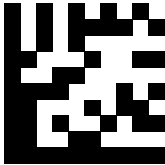
*Micro PDF 417 Suffix*



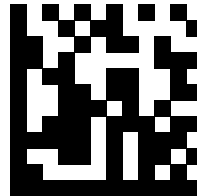
Set



Enable Micro PDF 417



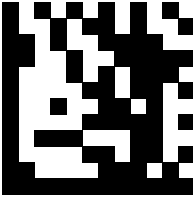
Disable Micro PDF 417



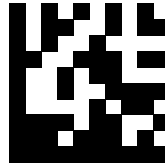
End



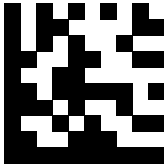
## *DataMatrix Suffix*



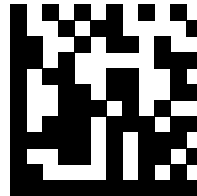
Set



DataMatrix Enable

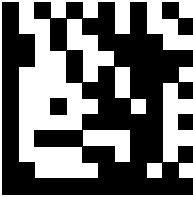


DataMatrix Disable

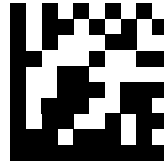


End

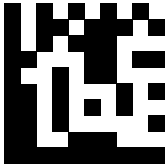
## QR Code Suffix



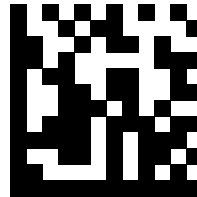
Set



QR Code Enable

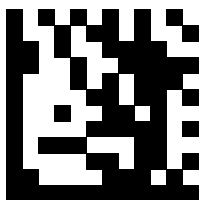


QR Code Disable

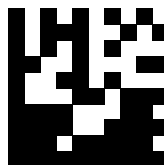


End

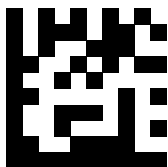
## Micro QR Code Suffix



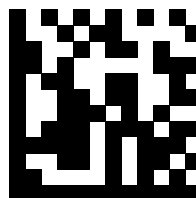
Set



Micro QR Code Enable



Micro QR Code 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

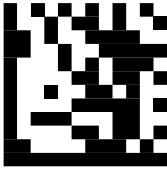
- Any Length

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



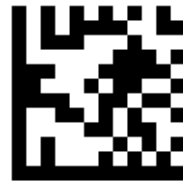
Set



One Discrete Length



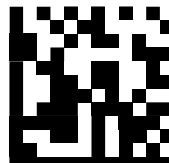
Two Discrete Lengths



Length Within Range

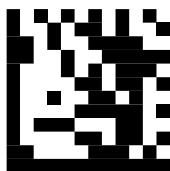


Any Length (Default)



End

## Set Lengths for Code 39



Set



One Discrete Length



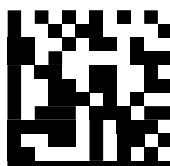
Two Discrete Lengths



Length Within Range

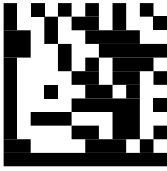


Any Length (Default)



End

### Set Lengths for Code 93



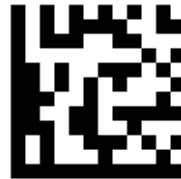
Set



One Discrete Length



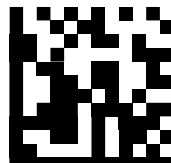
Two Discrete Lengths



Length Within Range



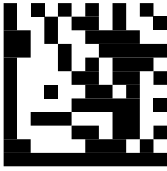
Any Length (Default)



End



## Set Lengths for Codabar



Set



One Discrete Length



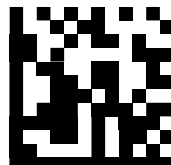
Two Discrete Lengths



Length Within Range

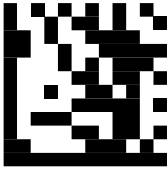


Any Length (Default)



End

### Set Lengths for Interleaved 2 of 5



Set



One Discrete Length



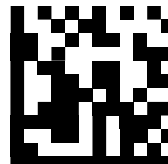
Two Discrete Lengths



Length Within Range

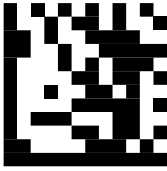


Any Length (Default)



End

## Set Lengths for MSI Plessey



Set



One Discrete Length



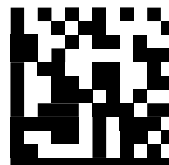
Two Discrete Lengths



Length Within Range



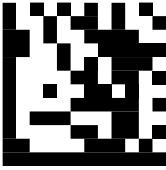
Any Length (Default)



End

### Code Identifiers

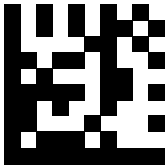
Scan the following barcodes to set symbology Identifiers.



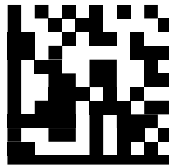
Set



Disable Code ID (Default)



Enable AIM ID



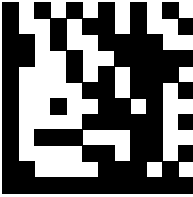
End

**Code Identifiers Table**

<b>Symbology</b>	<b>AIM ID</b>
UPC-A	E
UPC-E	E
EAN 8	E
EAN 13	E
Code 128	C
Code 39	A
Code 93	G
Codabar	F
Plessey	P
MSI Plessey	M
Interleaved 2 of 5	I
PDF417	L
Micro PDF417	L
Data Matrix	d
QR	Q
Micro QR	Q

### ***Keyboard Caps Lock State***

Scan a barcode below to turn Caps on or off.



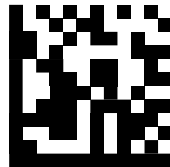
Set



Caps Lock Off (Default)



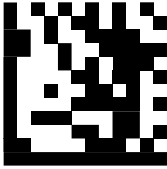
Caps Lock On



End

## Function Key Mapping

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



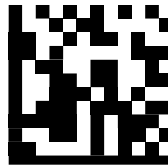
Set



Disable Function Key Mapping (Default)



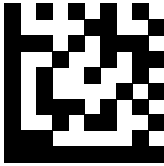
Enable Function Key Mapping



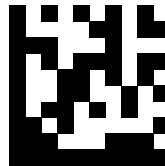
End

**ASCII Code**

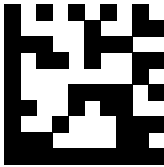
For parameters requiring specific numeric values, scan the appropriately numbered barcode(s).



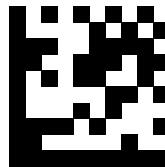
Space



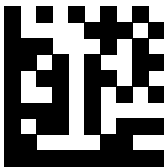
!



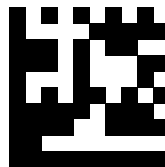
"



#

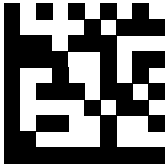


\$

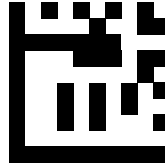


%

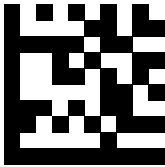




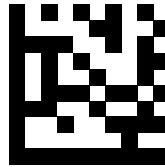
&



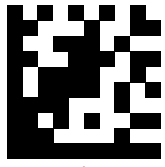
,



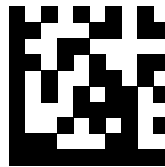
(



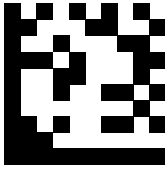
)



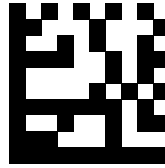
\*



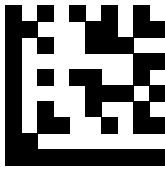
+



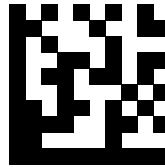
,



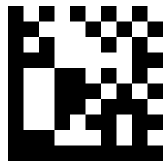
-



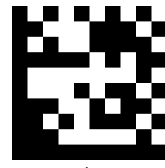
.



/



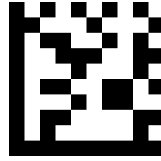
[



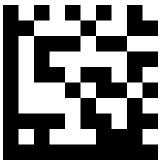
\



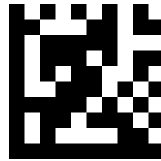
]



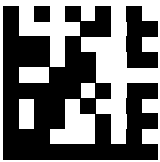
^



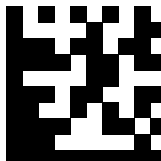
-



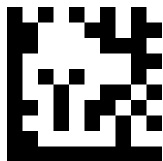
\



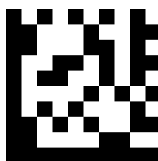
?



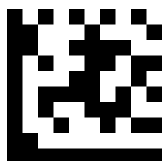
@



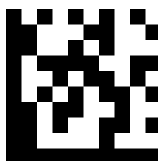
{



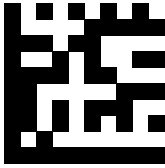
|



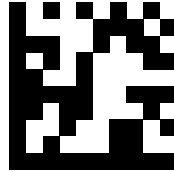
}



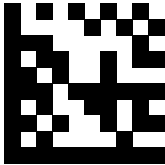
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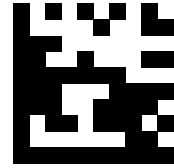
0



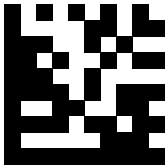
1



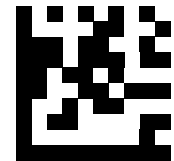
2



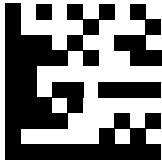
3



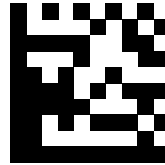
4



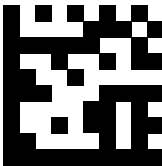
5



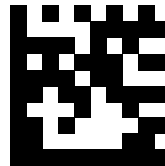
6



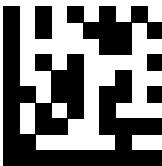
7



8

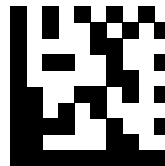


9



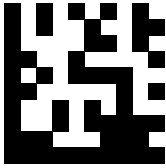
A

(Function Key  
Mapping: Ctrl+a)

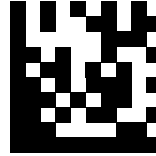


B

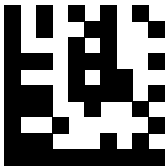
(Function Key  
Mapping: Ctrl+b)



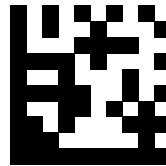
C  
(Function Key  
Mapping: Ctrl+c)



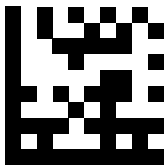
D  
(Function Key  
Mapping: Ctrl+d)



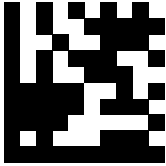
E  
(Function Key  
Mapping: Ctrl+e)



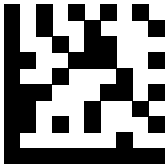
F  
(Function Key  
Mapping: Ctrl+f)



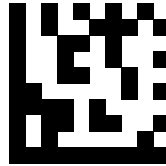
G  
(Function Key  
Mapping: Ctrl+g)



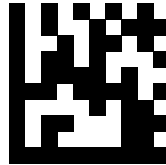
I  
(Function Key  
Mapping: Ctrl+i)



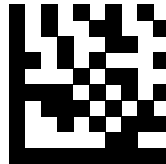
K  
(Function Key  
Mapping: Ctrl+k)



H  
(Function Key  
Mapping: Ctrl+h)

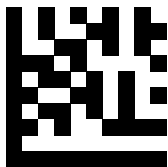


J  
(Function Key  
Mapping: Ctrl+j)

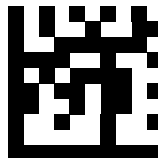


L  
(Function Key  
Mapping: Ctrl+l)

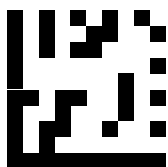




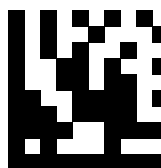
M  
(Function Key  
Mapping: Ctrl+m)



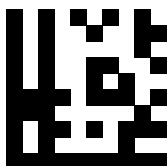
N  
(Function Key  
Mapping: Ctrl+n)



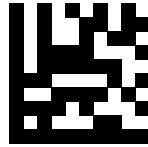
O  
(Function Key  
Mapping: Ctrl+o)



P  
(Function Key  
Mapping: Ctrl+p)

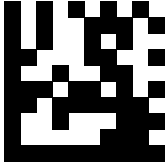


Q  
(Function Key  
Mapping: Ctrl+q)



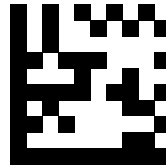
R

(Function Key  
Mapping: Ctrl+r)



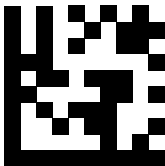
S

(Function Key  
Mapping: Ctrl+s)



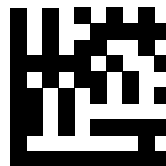
T

(Function Key  
Mapping: Ctrl+t)



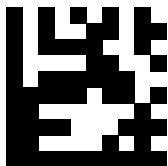
U

(Function Key  
Mapping: Ctrl+u)

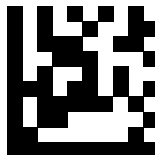


V

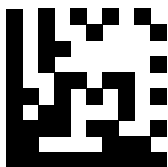
(Function Key  
Mapping: Ctrl+v)



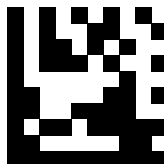
W  
(Function Key  
Mapping: Ctrl+w)



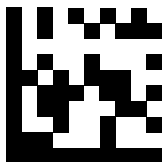
X  
(Function Key  
Mapping: Ctrl+x)



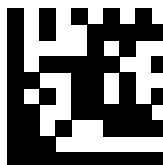
Y  
(Function Key  
Mapping: Ctrl+y)



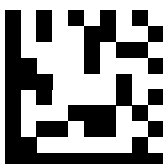
Z  
(Function Key  
Mapping: Ctrl+z)



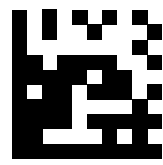
a



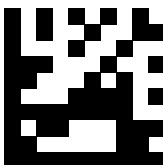
b



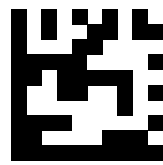
c



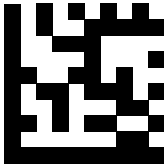
d



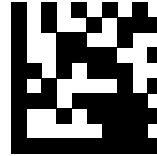
e



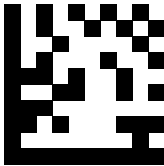
f



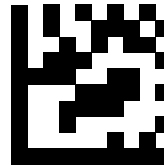
g



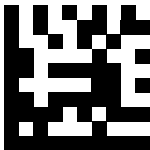
h



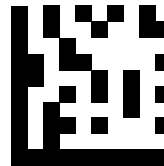
i



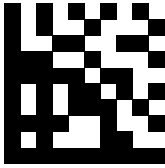
j



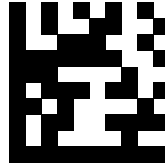
k



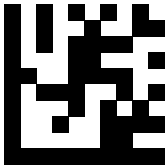
l



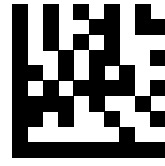
m



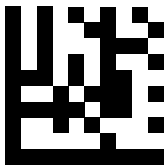
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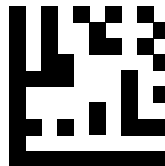
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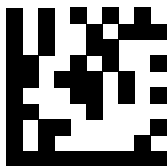
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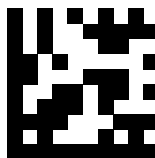
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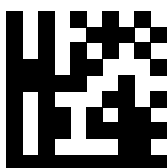
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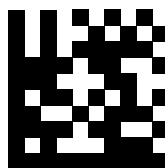
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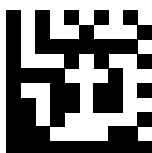
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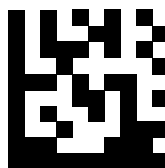
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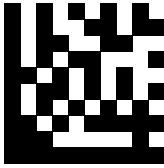
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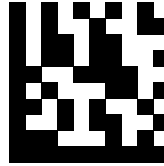
w



x



y



z





Insert



Delete



Home



End



Up arrow



Down arrow



Left arrow



Right arrow



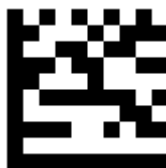
Tab



Backspace



Shift



ESC



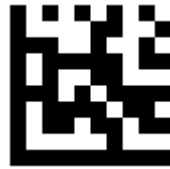
Page up



Page down



F1



F2



F3



F4



F5



F6



F7



F8



F9



F10



F11

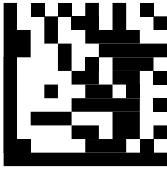


F12

# USB Virtual COM Driver Installing

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

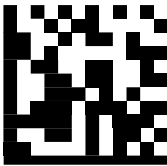
1. Execute the driver (ZEBEX VCOM Driver Installation.exe).
2. Connect the scanner USB cable to the host computer.
3. Set the interface to USB Virtual COM Port.



Set



USB Virtual COM Port  
\*Driver required



End

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

