SAVEO SCAN

SAVEO OMNI II
SAVEO-OMN-S12D

USER MANUAL
Omnidirectional 2D Scanner

User Guide

Command Barcode

Scanning the **Enter Setup** Code can enable the engine to enter the setup mode. Then you can scan a number of command codes to configure your scanner. To exit the setup mode, scan the **Exit Setup** code.

Enter Configuration

Exit Configuration

Important Notes:
All configurations need to go through Enter/Exit steps <u>except</u> Factory Defaults. Scan "Enter Setup" → "Command Barcode" →"Exit Setup"

Restore Factory Default Configuration

Restore Factory Default Configuration

Enable All Symbologies

If Enable All Symbologies feature is enabled, the scanner will not be able to read any non -programming barcodes except the programming barcodes.
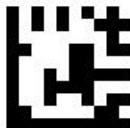
Enable All Symbologies

Scanning Mode

Trigger Mode (Default)

Scanning this bar code will enable the scanner to enter manual trigger mode.

Enter Configuration

Exit Configuration

**Trigger Mode

Auto Sense Mode

Scanning this bar code will enable the scanner to enter auto sense mode.

Automatic Scanning Mode

Continuous Mode

This mode enables the engine to scan/capture, decode and transmit over and over again.

Continuous Scanning Mode

USB Interface (Optional)

USB HID-KBW

By default, the scanner is in HID mode as a Keyboard device. It works on a Plug and Play basis and no driver is required.

Enter Configuration

Exit Configuration
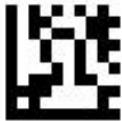
**USB HID Keybord

USB COM Port Emulation

If you connect the scanner to the Host via a USB connection, the USB COM Port Emulation feature allows the host to receive data in the way as a serial port does. A driver is required for this feature
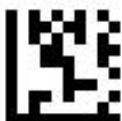
USB Virtual COM Port

Terminator Configuration

The scanner provides a shortcut for configuring the terminating character suffix to CR or CRLF and enabling it by scanning the appropriate barcode below.

Enter Configuration

Exit Configuration

No terminator

**CR/Enter

Tab

Convert Case

Example: When the **Convert All to Upper Case** feature is enabled, barcode data "AbC" is transmittedas "ABC".

Enter Configuration

Exit Configuration

** No Case Conversion

Convert All to Upper Case

SYMBOLOGIES

UPC / EAN , 2/5 Add-On Code

An UPC / EAN barcode can be augmented with a two-digit or five-digit add-on code to form a new one. In the examples below, the part surrounded by blue dotted line is an EAN-8 barcode while the part circled by red dotted line is add-on code.

EAN-8 With Add-On 5 Digits

UPC-A, UPC-E, EAN-13, and EAN-8 , with add-on 2/5codes

Enter Configuration

Exit Configuration
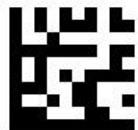
Enable UPC/EAN add-on 2/5Digits

**Disable UPC/EAN add-on 2/5Digits

UPC-A

**Enable UPC-A

Disable UPC-A


** Transmit UPC-A Check Character


Enter Configuration


Exit Configuration
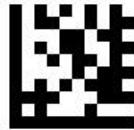
Do Not Transmit UPC-A Check Character
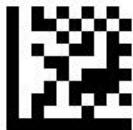
**Enable UPC A Check Character

Disable UPC A Check Character
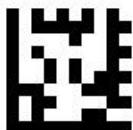
Convert UPC-A into EAN 13

Enter Configuration

Exit Configuration
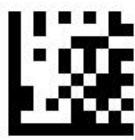
**Do not Convert UPC-A into EAN 13

UPC-E
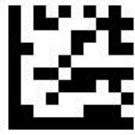
**Enable UPC-E
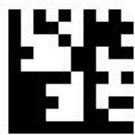
Disable UPC-E
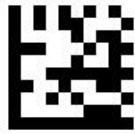
**Enable UPC-E transmit check Character
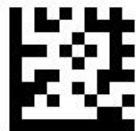
Disable UPC-E transmit check Character
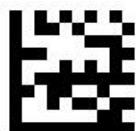
**Enable UPC-E Check Character
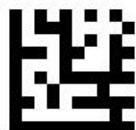
Disable UPC-E Check Character

Convert UPC-E into UPC-A

Enter Configuration

Exit Configuration
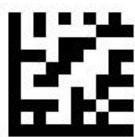
**Do not Convert UPC-E into UPC-A

**EAN-8**

** Enable EAN-8

Disable EAN-8
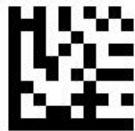
**Transmit Check Character After Verification

Enter Configuration

Exit Configuration
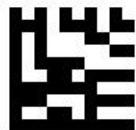
Do Not Transmit Check Character After Verification
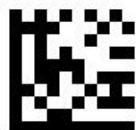
Convert EAN-8 into EAN-13
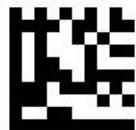
** Do not Convert EAN-8 into EAN-13

EAN 13

**Enable EAN-13

Enter Configuration

Exit Configuration
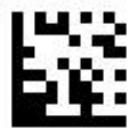
Disable EAN-13
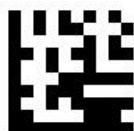
**Transmit Check Character After Verification
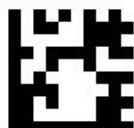
Do Not Transmit Check Character After Verification

Convert EAN-13 into ISBN
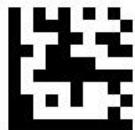
**Do not Convert EAN-13 into ISBN
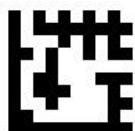
Convert EAN-13 into ISSN
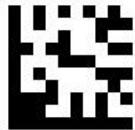
**Do not Convert EAN-13 into ISSN

Code 128

**Enable Code 128

Enter Configuration

Exit Configuration

Disable Code 128

Code 39

**Enable Code39

Disable Code39
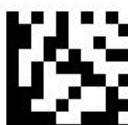
Enable Code39 Full ASCII

Enter Configuration

Exit Configuration
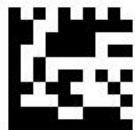
**Disable Code39 Full ASCII
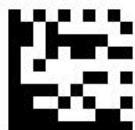
Transmit Start/Stop Character
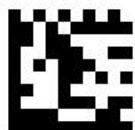
** Do Not Transmit Start/Stop Character

Code 39
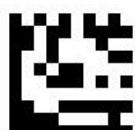
**Disable Code39 Check Digit

Enter Configuration

Exit Configuration

Transmit Check Character After Verification

Do Not Transmit Check Character After Verification

Code 93

Enable Code 93
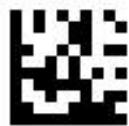
**Disable Code 93

Code 32

Enter Configuration

Exit Configuration

Enable Code32

**Disable Code32

Code 11

Enable Code 11

**Disable Code 11

Enter Configuration
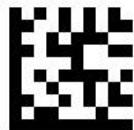
Exit Configuration

** Transmit Check Character After Verification


Do Not Transmit Check Character After Verification

Codabar

**Enable Codabar

Disable Codabar

Enter Configuration
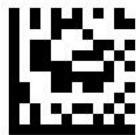
Exit Configuration

**No Verification After Scan

Transmit Check Character After Verification

Do Not Transmit Check Character After Verification

Transmit Start/Stop Character

Enter Configuration

Exit Configuration

**Do not Transmit Start/Stop Character

Plessey

**Enable Plessey

**Disable Plessey

MSI Plessey

**Enable MSI Plessey

Enter Configuration

Exit Configuration
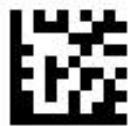
Disable MSI Plessey
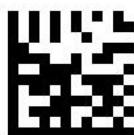
No Verification After Scan

Transmit Check Character After Verification
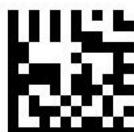
Do not Transmit Check Character After Verification

Interleaved 2 of 5

Enter Configuration

Exit Configuration

**Enable Interleaved 2 of 5

Disable Interleaved 2 of 5
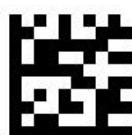
**No Verification After Scan
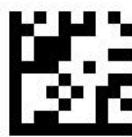
Transmit Check Character After Verification

Enter Configuration

Exit Configuration

Do not Transmit Check Character After Verification

IATA 2 of 5

Enable IATA 2 of 5

**Disable IATA 2 of 5

Matrix 2 of 5

Enable Matrix 2 of 5

Enter Configuration

Exit Configuration
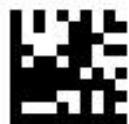
**Disable Matrix 2 of 5

Straight 2 of 5

Enable Straight 2 of 5
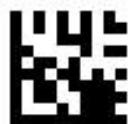
**Disable Straight 2 of 5

Pharmacode
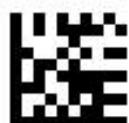
Enable Pharmacode 2 of 5

Enter Configuration

Exit Configuration

**Disable Pharmacode 2 of 5

RSS-14

**Enable RSS-14

Disable RSS-14

Enable RSS-14 Stacked

**Disable RSS-14 Stacked

RSS-14 Expanded

**Enable RSS-14 Expanded

Disable RSS-14 Expanded

Enable RSS-14 Expanded Stacked

Enter Configuration

Exit Configuration
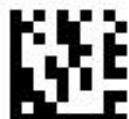
**Disable RSS-14 Expanded Stacked

RSS-14 Limited
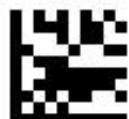
**Enable RSS-14 Limited

Disable RSS-14 Limited

Composite Code-A

Enable Composite Code-A

Enter Configuration

Exit Configuration
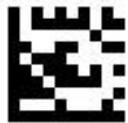
**Disable Composite Code-A

Composite Code-B

Enable Composite Code-B

**Disable Composite Code-B

Composite Code-C

Enable Composite Code-C

Enter Configuration

Exit Configuration

**Disable Composite Code-C

PDF 417

**Enable PDF417

Disable PDF417

Micro PDF 417
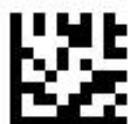
**Enable Micro PDF 417

Enter Configuration

Exit Configuration

Disable Micro PDF 417

Data Matrix

**Enable Data Matrix

Disable Data Matrix

Rectangular Data Matrix

**Enable Rctangular Data Matrix

Enter Configuration

Exit Configuration

Disable Rctangular Data Matrix

QR

**Enable QR

Disable QR

**Data Outputs on Notepad or Excel

Enter Configuration

Exit Configuration

Multi-languages Output/ Data Outputs on Notepad or Excel

Important Note: If a QR code contains special letters like ß ü ì è you need to enable "**Multi-languages Output/ Data Outputs on Notepad or Excel**". A driver also required to be installed in order to decode the QR code. Please contact us to get the driver.

Code-page output/ Data Outputs on Word , QQ ,wechat

Micro QR

**Enable Micro QR

Enter Configuration

Exit Configuration

Disable QR

Aztec

Enable Aztec

**Disable Aztec

MaxiCode

Enter Configuration

Exit Configuration

Enable MaxiCode

**Disable MaxiCode

Configure decoding length for different types of barcodes

● **Configure one decoding length.**

For example:

Configure scanner to decode Code 128 with the length of 14 characters

1. Scan Enter Configuration
2. Scan Code128 " Configure one decoding Length"
3. Scan 1 from ASCII Code Table
4.Scan 4 from ASCII Code Table
5.Scan Exit Configuration

● **Configure 2 different decoding lengths.**

Enter Configuration

Exit Configuration

For example:

Configure scanner to decode Code 128 with the length of 2 and 14 characters

1. Scan Enter Configuration

2. Scan Code128 " Configure Two Decoding Length"

3. Scan 0 from ASCII Code Table

4. Scan 2 from ASCII Code Table

5. Scan 1 from ASCII Code Table

6. Scan 4 from ASCII Code Table

7.Scan Exit Configuration

● **Configure Decoding Length Range.**

For example:

Configure scanner to decode Code 128 within the length from 8 to14 characters

1. Scan Enter Configuration

2. Scan Code128 " Configure Decoding Length Range"

3. Scan 0 from ASCII Code Table

4. Scan 8 from ASCII Code Table

5. Scan 1 from ASCII Code Table

6. Scan 4 from ASCII Code Table

7.Scan Exit Configuration

● **Configure Decoding Any Length**

For example:

Configure scanner to decode Code 128 with any length

1. Scan Enter Configuration

2. Scan Code128 " Decode Any Length"

3.Scan Exit Configuration

Code 128 Decoding Length

Configure one decoding Length
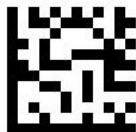
Enter Configuration

Exit Configuration

Configure two different decoding Lengths
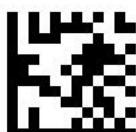
Configure Decoding Length Range
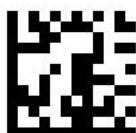
**Decode Any length

Code 39 Decoding Length
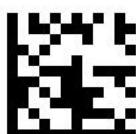
Configure one decoding Length
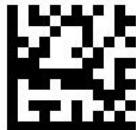
Enter Configuration

Exit Configuration

Configure two different decoding Lengths
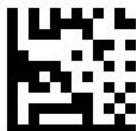
Configure decoding length range
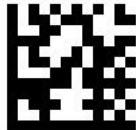
** Decode Any Length

Code 93 Decoding Length

Configure one decoding Length

Enter Configuration

Exit Configuration

Configure two different decoding Lengths

Configure decoding length range

**Decode Any length

Codabar Decoding Length

Configure one decoding Length

Configure two different decoding Lengths

Configure decoding length range

**Decode Any length

Interleaved 2 of 5 Decoding Length

Configure one decoding Length

Enter Configuration

Exit Configuration

Configure two different decoding Lengths

Configure decoding length range

**Decode Any Length

## Code 11 Configure decoding Length

Configure one decoding Length

Enter Configuration

Exit Configuration

Configure two different decoding Lengths

Configure decoding Length Range

**Decode Any Length

## MSI Plessey Configure decoding Length


Configure one decoding Length

Enter Configuration

Exit Configuration

Configure two different decoding Lengths

Configure decoding length range

**Decode Any Length

Matrix 2 of 5 Configure decoding Length

Configure one decoding Length


Enter Configuration

Exit Configuration

Configure two different decoding Lengths

Configure decoding length range

**Decode Any length

AIM ID Prefix

If AIM ID prefix is enabled, the engine will add the symbology identifier before the scanned data after decoding. see the **"Appendix 1: AIM ID Table"** section
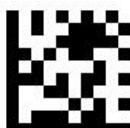
**Disable AIM ID

Enter Configuration

Exit Configuration
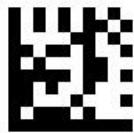
Enable AIM ID

Appendix 1: AIM ID Table

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

Enter Configuration

Exit Configuration

Composite CC-A	m	e
Composite CC-B	n	e
Composite CC-C	i	e
PDF417	r	L
Micro PDF417	s	L
Data Matrix	t	d
QR	u	Q
Micro QR	j	Q
Aztec	e	Z
MaxiCode	v	U

Function Key Mapping

**Disable Function Key Mapping

Enter Configuration

Exit Configuration
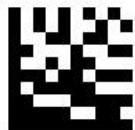
Enable Function Key Mapping

Custom prefix for different types of barcodes
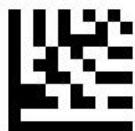
Add prefix to all types of barcodes

Enter Configuration

Exit Configuration
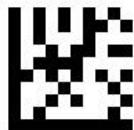
**Do not add prefix to types of barcodes

Configure prefix for UPC-A
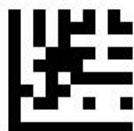
Enable Prefix Configuration for UPC-A

Disable Prefix Configuration for UPC-A

Configure prefix for UPC-E

Enter Configuration

Exit Configuration
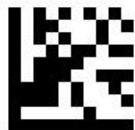
Enable Prefix configuration for UPC-E
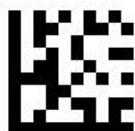
Disable Prefix configuration for UPC-E

Configure prefix for EAN-8
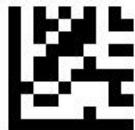
Enable Prefix Configuration for EAN-8
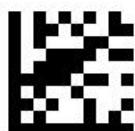
Disable Prefix Configuration for EAN-8

Configure prefix for EAN-13

Enter Configuration

Exit Configuration
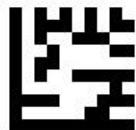
Enable Prefix Configuration for EAN-13

Disable Prefix Configuration for EAN-13

Configure prefix for Code128

Enable Prefix Configuration for Code128
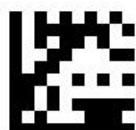
Disable Prefix Configuration for Code128

Configure prefix for Code39

Enter Configuration

Exit Configuration
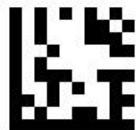
Enable Prefix Configuration for Code 39

Disable Prefix Configuration for Code 39

Configure prefix for Code93

Enable Prefix Configuration for Code 93
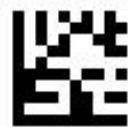
Disable Prefix Configuration for Code 93

Configure prefix for Code32

Enter Configuration

Exit Configuration

Enable Prefix Configuration for Code32

Disable Prefix Configuration for Code32

Configure prefix for Code11

Enable Prefix Configuration for Code 11


Disable Prefix Configuration for Code 11

Configure prefix for Codabar

Enter Configuration

Exit Configuration

Enable Prefix Configuration for Codabar

Disable Prefix Configuration for Codabar

Configure prefix for Plessey

Enable Prefix Configuration for Plessey

Disable Prefix Configuration for Plessey

Configure prefix for MSI Plessey

Enter Configuration

Exit Configuration

Enable Prefix Configuration for MSI Plessey

Disable Prefix Configuration for MSI Plessey

Configure prefix for Interleaved 2 of 5
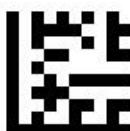
Enable Prefix Configuration for Interleaved 2 of 5
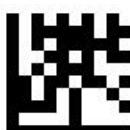
Disable Prefix Configuration for Interleaved 2 of 5

## Configure prefix for IATA 2 of 5

Enter Configuration

Exit Configuration

Enable Prefix Configuration for IATA 2 of 5

Disable Prefix Configuration for IATA 2 of 5

Configure prefix for Matrix 2 of 5

Enable Prefix Configuration for Matrix 2 of 5

Disable Prefix Configuration for Matrix 2 of 5

Configure prefix for Straight2 of 5

Enter Configuration

Exit Configuration

Enable Prefix Configuration for Straight2 of 5

Disable Prefix Configuration for Straight2 of 5

Configure prefix for Pharmacode

Enable Prefix Configuration for Pharmacode

Disable Prefix Configuration for Pharmacode

Configure prefix for RSS-14


Enter Configuration

Exit Configuration

Enable Prefix Configuration for RSS-14

Disable Prefix Configuration for RSS-14

Configure prefix for Composite Code A

Enable Prefix Configuration for Composite Code A

Disable Prefix Configuration for Composite Code A

Configure prefix for Composite Code B

Enter Configuration

Exit Configuration

Enable Prefix Configuration for Composite Code B

Disable Prefix Configuration for Composite Code B

Configure prefix for Composite Code C
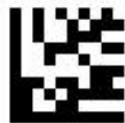
Enable Prefix Configuration for Composite Code C

Disable Prefix Configuration for Composite Code C

Configure prefix for PDF417

Enter Configuration

Exit Configuration
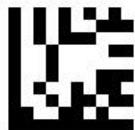
Enable Prefix Configuration for PDF417
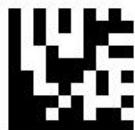
Disable Prefix Configuration for PDF417

Configure prefix for Micro PDF417
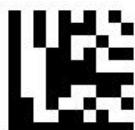
Enable Prefix Configuration for Micro PDF417
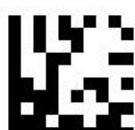
Disable Prefix Configuration for Micro PDF417

Configure prefix for Data Matrix

Enter Configuration

Exit Configuration

Enable Prefix Configuration for Data Matrix
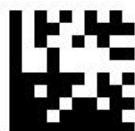
Disable Prefix Configuration for Data Matrix

Configure prefix for QR
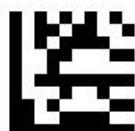
Enable Prefix Configuration for QR
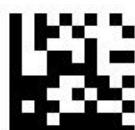
Disable Prefix Configuration for QR

Configure prefix for Micro QR

Enter Configuration

Exit Configuration

Enable Prefix Configuration for Micro QR


Disable Prefix Configuration for Micro QR

Configure prefix for Aztec

Enable Prefix Configuration for Aztec

Disable Prefix Configuration for Aztec

Configure prefix for MaxiCode

Enter Configuration

Exit Configuration

Enable Prefix Configuration for MaxiCode

Disable Prefix Configuration for MaxiCode

Custom suffix for different types of barcodes

Add suffix to all types of barcodes

Enter Configuration

Exit Configuration
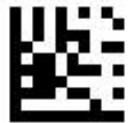
** Do not add suffix to all types of barcodes

Configure suffix for UPC-A

Enable Suffix Configuration for UPC-A


Disable Suffix Configuration for UPC-A

Configure suffix for UPC-E

Enter Configuration

Exit Configuration

Enable Suffix Configuration for UPC-E

Disable Suffix Configuration for UPC-E

Configure suffix for EAN-8

Enable Suffix Configuration for EAN-8

Disable Suffix Configuration for EAN-8

Configure suffix for EAN-13

Enter Configuration

Exit Configuration

Enable Suffix Configuration for EAN-13

Disable Suffix Configuration for EAN-13

Configure suffix for Code 128

Enable Suffix Configuration for Code128

Disable Suffix Configuration for Code128

Configure suffix for Code 39

Enter Configuration

Exit Configuration

Enable Suffix Configuration for Code 39

Disable Suffix Configuration for Code 39

Configure suffix for Code93

Enable Suffix Configuration for Code93
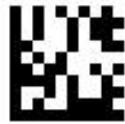
Disable Suffix Configuration for Code93.

Configure suffix for Code32

Enter Configuration

Exit Configuration

Enable Suffix Configuration for Code32

Disable Suffix Configuration for Code32

Configure suffix for Code11

Enable Suffix Configuration for Code11

Disable Suffix Configuration for Code11

Configure suffix for Codabar

Enter Configuration

Exit Configuration

Enable Suffix Configuration for Codabar

Disable Suffix Configuration for Codabar

Configure suffix for Plessey

Enable Suffix Configuration for Plessey

Disable Suffix Configuration for Plessey

Configure suffix for MSI Plessey

Enter Configuration

Exit Configuration

Enable Suffix Configuration for MSI Plessey

Disable Suffix Configuration for MSI Plessey

Configure suffix for Interleaved 2 of 5

Enable Suffix Configuration for Interleaved 2 of 5

Disable Suffix Configuration for Interleaved 2 of 5

Configure suffix for IATA 2 of 5

Enter Configuration

Exit Configuration

Enable Suffix Configuration for IATA 2 of 5

Disable Suffix Configuration for IATA 2 of 5

Configure suffix for Matrix 2 of 5

Enable Suffix Configuration for Matrix 2 of 5

Disable Suffix Configuration for Matrix 2 of 5

Configure suffix for Straight 2 of 5

Enter Configuration

Exit Configuration

Enable Suffix Configuration for Straight 2 of 5

Disable Suffix Configuration for Straight 2 of 5

Configure suffix for Pharmacode

Enable Suffix Configuration for Pharmacode

Disable Suffix Configuration for Pharmacode

Configure suffix for RSS-14

Enter Configuration

Exit Configuration

Enable Suffix Configuration for RSS-14

Disable Suffix Configuration for RSS-14

Configure suffix for RSS-14 Expanded

Enable Suffix Configuration for RSS-14 Expanded

Disable Suffix Configuration for RSS-14 Expanded

Configure suffix for RSS-14 Limited

Enter Configuration

Exit Configuration

Enable Suffix Configuration for RSS-14 Limited

Disable Suffix Configuration for RSS-14 Limited

Configure suffix for Composite Code A

Enable Suffix Configuration for Composite Code A

Disable Suffix Configuration for Composite Code A

Configure suffix for Composite Code B

Enter Configuration

Exit Configuration

Enable Suffix Configuration for Composite Code B

Disable Suffix Configuration for Composite Code B

Configure suffix for Composite Code C

Enable Suffix Configuration for Composite Code C

Diable Suffix Configuration for Composite Code C

Configure suffix for PDF417

Enter Configuration

Exit Configuration

Enable Suffix Configuration for PDF417

Diable Suffix Configuration for PDF417

Configure suffix for Micro PDF417

Enable Suffix Configuration for Micro PDF417

Disable Suffix Configuration for Micro PDF417

Configure suffix for Data Matrix

Enter Configuration

Exit Configuration

Enable Suffix Configuration for Data Matrix

Disable Suffix Configuration for Data Matrix

Configure suffix for QR

Enable Suffix Configuration for QR

Disable Suffix Configuration for QR

Configure suffix for Micro QR


Enter Configuration

Exit Configuration

Enable Suffix Configuration for Micro QR

Disable Suffix Configuration for Micro QR

Configure suffix for Aztec

Enable Suffix Configuration for Aztec

Disable Suffix Configuration for Aztec

Configure suffix for Maxicode

Enter Configuration

Exit Configuration

Enable Suffix Configuration for MaxiCode

Enable Suffix Configuration for MaxiCode

ASCII Code Table

Insert

Delete

Enter Configuration

Exit Configuration

Home

End

Up arrow

Down arrow

Enter Configuration

Exit Configuration

Left arrow

Right arrow

TAB

Backspace

Enter Configuration

Exit Configuration

Shift

ESC

Page up

Page down

F1

F2

F3

F4

Enter Configuration

Exit Configuration

F5

F6

F7

F8

F9

F10

F11

F12

SPACE

Enter Configuration
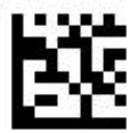
Exit Configuration

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Exit Configuration

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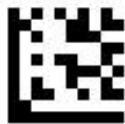
Enter Configuration

Exit Configuration

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Enter Configuration

Exit Configuration

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Enter Configuration

Exit Configuration

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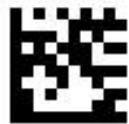
Enter Configuration

Exit Configuration

Enter Configuration

Exit Configuration

	ASCII Code	Function Key

A   Ctrl+a

B   Ctrl+b

C   Ctrl+c

D   Ctrl+d

E   Ctrl+e

Enter Configuration

Exit Configuration

F   Ctrl+f

G   Ctrl+g

H   Ctrl+h

I   Ctrl+i

J   Ctrl+j

K   Ctrl+k

Enter Configuration

Exit Configuration

L   Ctrl+l

M   Ctrl+m

N   Ctrl+n
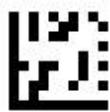
O   Ctrl+o

P   Ctrl+p

Q   Ctrl+q

Enter Configuration

Exit Configuration

R   Ctrl+r

S   Ctrl+s

T   Ctrl+t

U   Ctrl+u

V   Ctrl+v

W   Ctrl+w

Enter Configuration

Exit Configuration
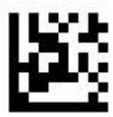
X   Ctrl+x
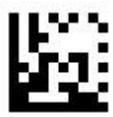
Y   Ctrl+y

Z   Ctrl+z

a

b

Enter Configuration   Exit Configuration

c

d

e

f

g

Enter Configuration

Exit Configuration

h

i

j

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Enter Configuration

Exit Configuration

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y

z

Enter Configuration

Exit Configuration