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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 below steps except Factory Defaults. Scan “Enter Setup” → “Command Barcode” →”Exit Setup”

Restore Factory Default Configuration

1. Enter Configuration

2. Restore Factory Default Configuration

3. TTL232

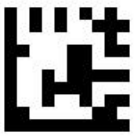
4. 19200

5. Exit Configuration

Factory Set

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

Enter Configuration

Exit Configuration

Scanning Mode

Trigger Mode (Default)

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

**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

Enter Configuration

Exit Configuration

USB Interface (Optional)

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

Enter Configuration

Exit Configuration

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.

No terminator

**CR/Enter

Tab

Enter Configuration

Exit Configuration

Convert Case

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

** No Case Conversion

Convert All to Upper Case

SYMBOLOGIES

UPC / EAN , 2/5 Add-On Code

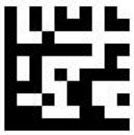
An UPC / EAN barcode can be augmented with a two-digit or five-digit add-on code to form a new one. In the examples below, the part surrounded by blue dotted line is an EAN-8 barcode while the part circled by red dotted line is add-on code.

EAN-8 With Add-On 5 Digits

Enter Configuration

Exit Configuration

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



Enable UPC/EAN add-on 2/5Digits

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

UPC-A

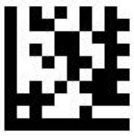
**Enable UPC-A

Enter Configuration

Exit Configuration

Disable UPC-A

** Transmit UPC-A Check Character



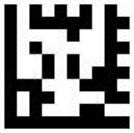
Do Not Transmit UPC-A Check Character

**Enable UPC A Check Character

Enter Configuration

Exit Configuration

Disable UPC A Check Character



Convert UPC-A into EAN 13

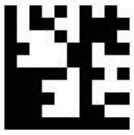
**Do not Convert UPC-A into EAN 13

UPC-E

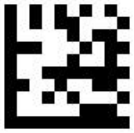
**Enable UPC-E

Enter Configuration

Exit Configuration



Disable UPC-E



**Enable UPC-E transmit check Character

Disable UPC-E transmit check Character

**Enable UPC-E Check Character

Enter Configuration

Exit Configuration

Disable UPC-E Check Character

Convert UPC-E into UPC-A

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

EAN-8

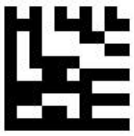
** Enable EAN-8

Enter Configuration

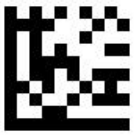
Exit Configuration

Disable EAN-8

**Transmit Check Character After Verification



Do Not Transmit Check Character After Verification



Convert EAN-8 into EAN-13

Enter Configuration

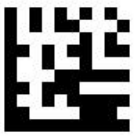
Exit Configuration

** Do not Convert EAN-8 into EAN-13

EAN 13

**Enable EAN-13

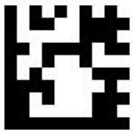
Disable EAN-13



**Transmit Check Character After Verification

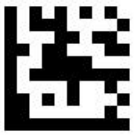
Enter Configuration

Exit Configuration

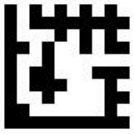


Do Not Transmit Check Character After Verification

Convert EAN-13 into ISBN



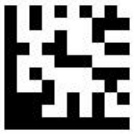
**Do not Convert EAN-13 into ISBN



Convert EAN-13 into ISSN

Enter Configuration

Exit Configuration



**Do not Convert EAN-13 into ISSN

Code 128 / GS1-128

**Enable Code 128 / GS1-128

Disable Code 128 / GS1-128

Code 39

**Enable Code39

Enter Configuration

Exit Configuration

Disable Code39

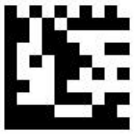
Enable Code39 Full ASCII

**Disable Code39 Full ASCII

Transmit Start/Stop Character

Enter Configuration

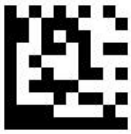
Exit Configuration



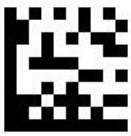
** Do Not Transmit Start/Stop Character

Code 39

**Disable Code39 Check Digit



Transmit Check Character After Verification



Do Not Transmit Check Character After Verification

Enter Configuration

Exit Configuration

Code 93

Enable Code 93

**Disable Code 93

Code 32

Enable Code32

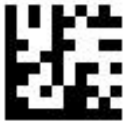
**Disable Code32

Enter Configuration

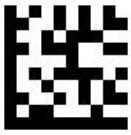
Exit Configuration

Code 11

Enable Code 11



**Disable Code 11



** Transmit Check Character After Verification

Do Not Transmit Check Character After Verification

Enter Configuration

Exit Configuration

Codabar

**Enable Codabar

Disable Codabar

**No Verification After Scan

Transmit Check Character After Verification

Enter Configuration

Exit Configuration

Do Not Transmit Check Character After Verification

Transmit Start/Stop Character

**Do not Transmit Start/Stop Character

Plessey

**Enable Plessey

Enter Configuration

Exit Configuration

**Disable Plessey

MSI Plessey

**Enable MSI Plessey

Disable MSI Plessey

No Verification After Scan

Enter Configuration

Exit Configuration

Transmit Check Character After Verification

Do not Transmit Check Character After Verification

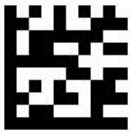
Interleaved 2 of 5

**Enable Interleaved 2 of 5

Disable Interleaved 2 of 5

Enter Configuration

Exit Configuration



**No Verification After Scan

Transmit Check Character After Verification

Do not Transmit Check Character After Verification

IATA 2 of 5

Enable IATA 2 of

Enter Configuration

Exit Configuration

**Disable IATA 2 of 5

Matrix 2 of 5

Enable Matrix 2 of 5

**Disable Matrix 2 of 5

Straight 2 of 5

Enable Straight 2 of 5

Enter Configuration

Exit Configuration

**Disable Straight 2 of 5

Pharmacode

Enable Pharmacode 2 of 5

**Disable Pharmacode 2 of 5

GS1 DataBar 14

Enable GS1 DataBar **14

Enter Configuration

Exit Configuration

Disable GS1 DataBar 14

Enable GS1 DataBar 14 Stacked

**Disable GS1 DataBar 14 Stacked

GS1 DataBar Expanded

**Enable GS1 DataBar Expanded

Enter Configuration

Exit Configuration

Disable GS1 DataBar Expanded

Enable GS1 DataBar Expanded Stacked

**Disable GS1 DataBar Expanded Stacked

GS1 DataBar Limited

**Enable GS1 DataBar Limited

Enter Configuration

Exit Configuration

Disable GS1 DataBar Limited

Composite Code-A

Enable Composite Code-A

**Disable Composite Code-A

Composite Code-B

Enable Composite Code-B

Enter Configuration

Exit Configuration

**Disable Composite Code-B

Composite Code-C

Enable Composite Code-C

**Disable Composite Code-C

PDF 417

**Enable PDF417

Enter Configuration

Exit Configuration

Disable PDF417

Micro PDF 417

**Enable Micro PDF 417

Disable Micro PDF 417

Data Matrix

**Enable Data Matrix

Enter Configuration

Exit Configuration

Disable Data Matrix

Rectangular Data Matrix

**Enable Rctangular Data Matrix

Disable Rctangular Data Matrix

QR

**Enable QR

Enter Configuration

Exit Configuration

Disable QR

**Data Outputs on Notepad or Excel

Multi-languages Output/ Data Outputs on Notepad or Excel

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

Enter Configuration

Exit Configuration

Micro QR

**Enable Micro QR

Disable QR

Aztec

Enable Aztec

**Disable Aztec

Enter Configuration

Exit Configuration

MaxiCode

Enable MaxiCode

**Disable MaxiCode

Enter Configuration

Exit Configuration

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.

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

Enter Configuration

Exit Configuration

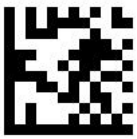
Configure Decoding Any Length

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

Configure two different decoding Lengths



Configure Decoding Length Range

Enter Configuration

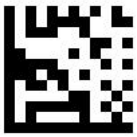
Exit Configuration

**Decode Any length

Code 39 Decoding Length

Configure one decoding Length

Configure two different decoding Lengths



Configure decoding length range

Enter Configuration

Exit Configuration

** Decode Any Length

Code 93 Decoding Length

Configure one decoding Length

Configure two different decoding Lengths

Enter Configuration

Exit Configuration

Configure decoding length range

**Decode Any length

Codabar Decoding Length

Configure one decoding Length

Configure two different decoding Lengths

Enter Configuration

Exit Configuration

Configure decoding length range

**Decode Any length

Interleaved 2 of 5 Decoding Length

Configure one decoding Length

Configure two different decoding Lengths

Enter Configuration

Exit Configuration

Configure decoding length range

**Decode Any Length

Code 11 Configure decoding Length

Configure one decoding Length

Configure two different decoding Lengths

Enter Configuration

Exit Configuration

Configure decoding Length Range

**Decode Any Length

MSI Plessey Configure decoding Length

Configure one decoding Length

Configure two different decoding Lengths

Enter Configuration

Exit Configuration

Configure decoding length range

**Decode Any Length

Matrix 2 of 5 Configure decoding Length

Configure one decoding Length

Configure two different decoding Lengths

Enter Configuration

Exit Configuration

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

Enable AIM ID

Enter Configuration

Exit Configuration

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
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

Enter Configuration

Exit Configuration

Function Key Mapping

**Disable Function Key Mapping

Enable Function Key Mapping

Enter Configuration

Exit Configuration