GY-50U Barcode Scanner User Manual

Release v1.1.1

2026-09-02

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Start Setup

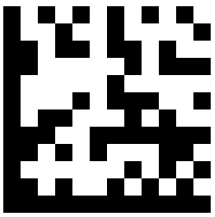
1 System Settings

Important

On this page, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

1.1 Restore Factory Defaults

This restores all Barcode Reader settings to the factory defaults.

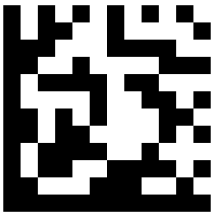


Restore Factory Defaults

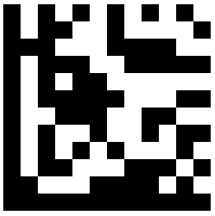
1.2 Custom Defaults

Save Custom Defaults
Save the current settings as custom defaults.

Load Custom Defaults
Restore the saved custom defaults.



Save Custom Defaults



Load Custom Defaults

2 Device Feature Settings

End Setup

Important

On this page, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

2.1 Aiming Light

Enable While Scanning

* Always On

Disable

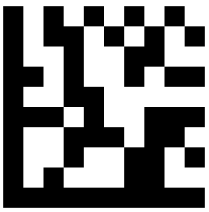
2.2 Illumination Mode

* Enable While Scanning

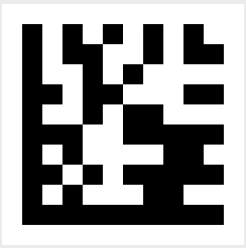
Always On

Disable

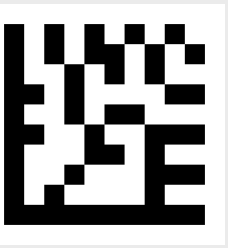
2.3 Illumination Brightness



* High Brightness

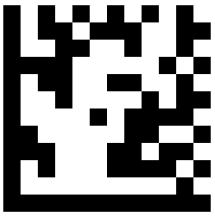


Medium Brightness



Low Brightness

2.4 Buzzer



* Enable

Disable

3 Trigger Settings

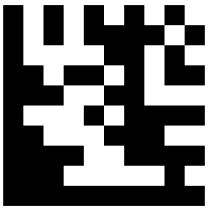
Important

On this page, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

3.1 Scan Mode

Level Trigger

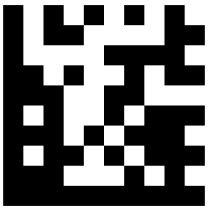
Scanning starts while the scan key is held down and ends after a successful decode or when the read timeout is reached.



* Level Trigger

Presentation Mode

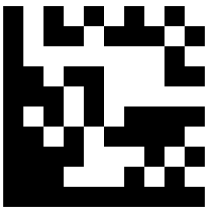
Scanning starts when image changes are detected and ends when the read timeout is reached.



Presentation Mode

Continuous Scan

Scan one or more barcodes continuously. Press and release the scan key to start or stop scanning; repeated reads of the same barcode are controlled by the Same Symbol Timeout setting.



Continuous Scan

3.2 Same Barcode Read Mode

In scan modes that support this feature, you can configure how repeated reads of the same barcode are handled.

Note

By default, the same barcode is not read again within `500 ms`. Same Symbol Timeout can be set from `0~5000 ms`; `0` disables the timeout.

Suppress Repeated Reads
: If the same barcode is read repeatedly within the suppression period, it is ignored and not output, and the timer restarts.

Interval Read
: If the same barcode is read repeatedly within the interval, it is ignored and not output. It is output again after the interval expires.

Do Not Repeat Same Barcode
: The same barcode is not output repeatedly.

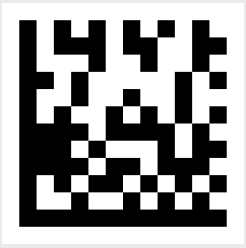
Example: Suppress repeated reads of the same barcode within 100 ms.

1. Scan “Start Setup”.
2. Scan the “Suppress Repeated Reads” Parameter Barcode.
3. Scan the “Same Symbol Timeout” Parameter Barcode.
4. Scan the `1` Parameter Barcode in *Decimal Digits*.
5. Scan the `0` Parameter Barcode in *Decimal Digits*.
6. Scan the `0` Parameter Barcode in *Decimal Digits*.
7. Scan “End Setup”.

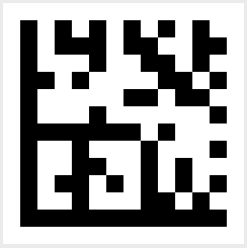
Example: Read the same barcode again after a 1-second interval.

1. Scan “Start Setup”.
2. Scan the “Interval Read” Parameter Barcode.
3. Scan the “Same Symbol Timeout” Parameter Barcode.

4. Scan the `1` Parameter Barcode in *Decimal Digits*.
5. Scan the `0` Parameter Barcode in *Decimal Digits*.
6. Scan the `0` Parameter Barcode in *Decimal Digits*.
7. Scan the `0` Parameter Barcode in *Decimal Digits*.
8. Scan “End Setup”.

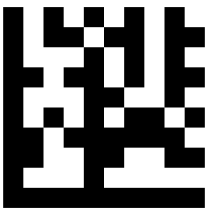


* Suppress Repeated Reads



Interval Read

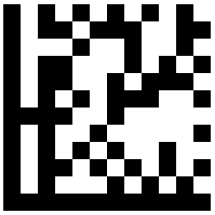
Do Not Repeat Same Barcode



Same Symbol Timeout (ms)

3.3 Decode Timeout

(This setting is not supported in Continuous Scan mode.)

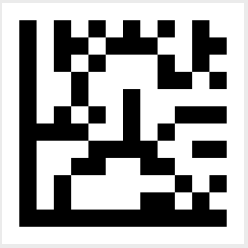


* 5 Seconds

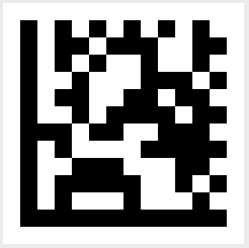
10 Seconds

No Limit

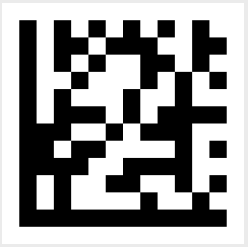
3.4 Sleep Time



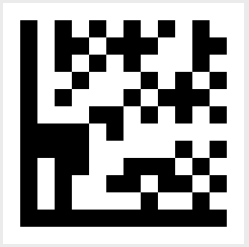
Disable



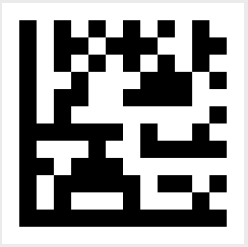
1 Second



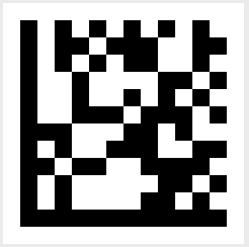
2 Seconds



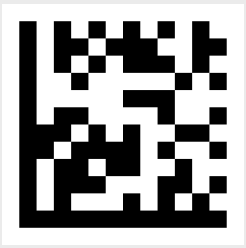
3 Seconds



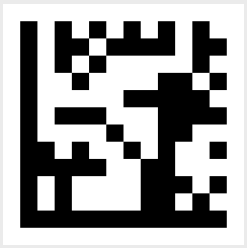
5 Seconds



7 Seconds



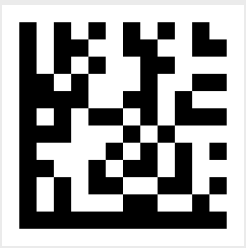
* 10 Seconds



15 Seconds

3.5 Presentation Mode Sensitivity

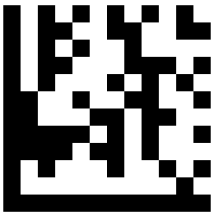
Low Sensitivity



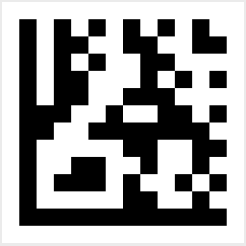
* Medium Sensitivity

High Sensitivity

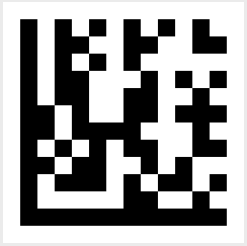
3.6 Decode Data Verification



* Disable



Output After Reading Twice



Output After Reading Three Times

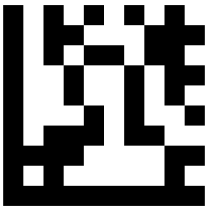
4 Interface Settings

Important

On this page, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

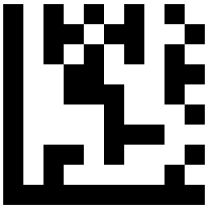
4.1 Output Mode

4.2 USB HID Keyboard



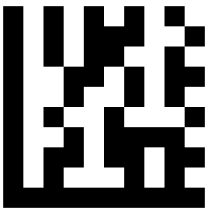
* USB HID Keyboard Output

4.3 USB Virtual COM Port



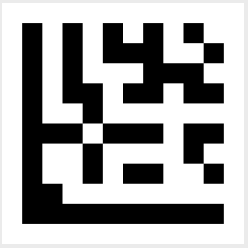
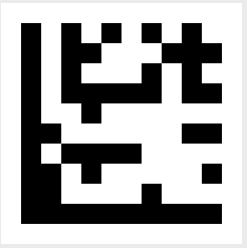
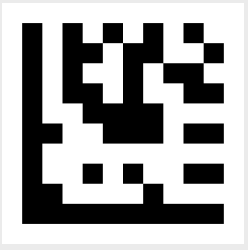
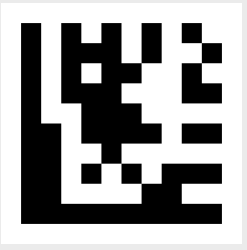
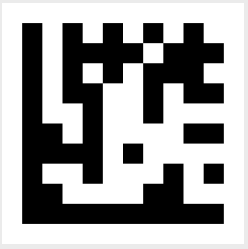
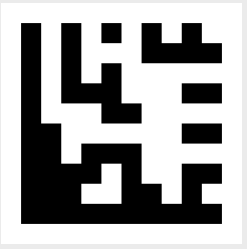
USB Virtual COM Port Output

4.4 serial

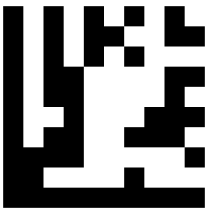


Serial Output

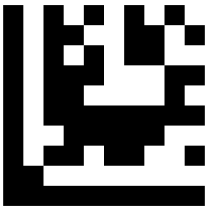
4.5 Serial Baud Rate

	
* 9600	19200
	
38400	57600
	
115200	230400

4.6 Serial Data Bits

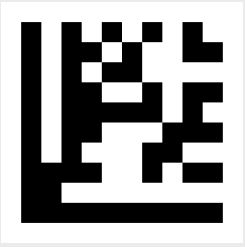


7 Data Bits

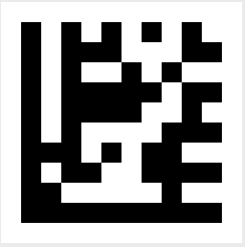


* 8 Data Bits

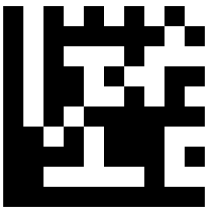
4.7 Serial Parity



* No Parity

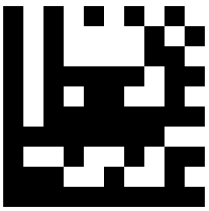


Odd Parity

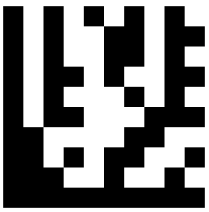


Even Parity

4.8 Serial Stop Bits



* One Stop Bit



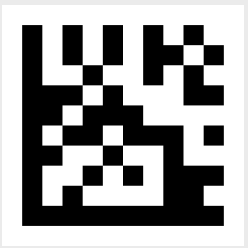
Two Stop Bits

5 Keyboard Settings

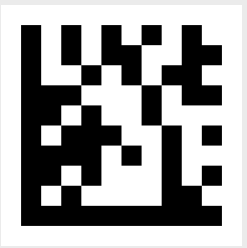
Important

On this page, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

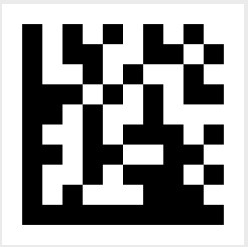
5.1 International Keyboard



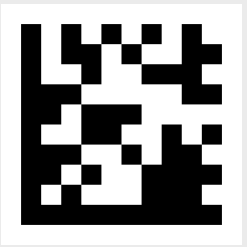
* US



Belgium

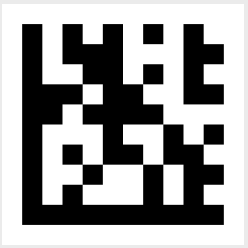


United Kingdom

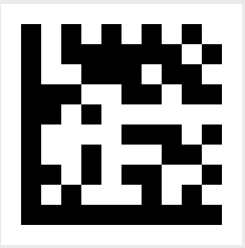


Denmark

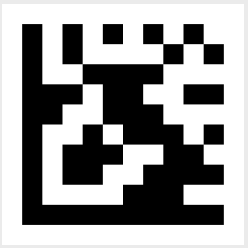
End Setup



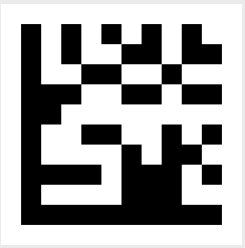
France



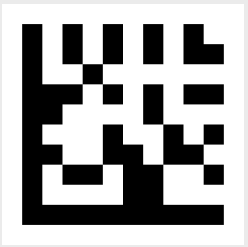
Germany



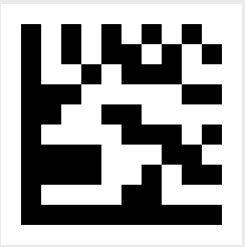
Italy



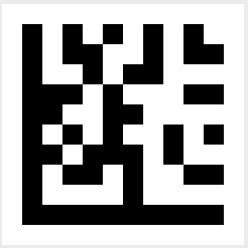
Norway



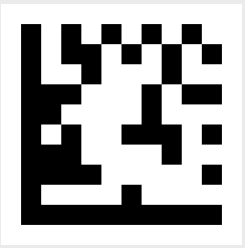
Portugal



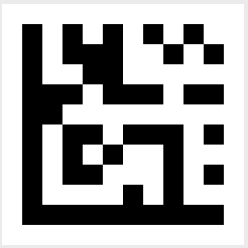
Spain



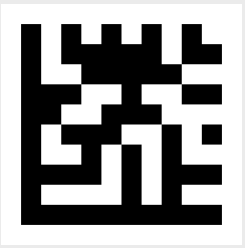
Sweden



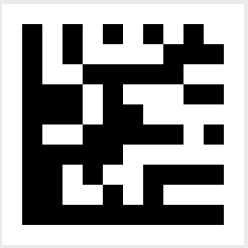
Switzerland



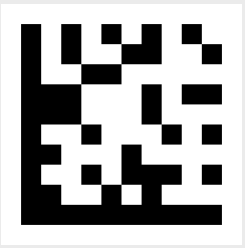
Japan



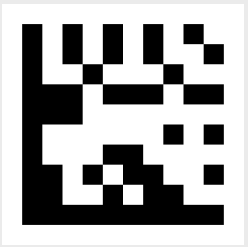
Hungary



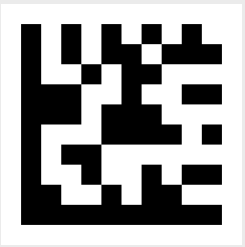
Czech Republic



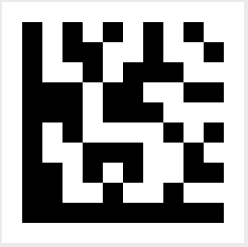
Slovakia



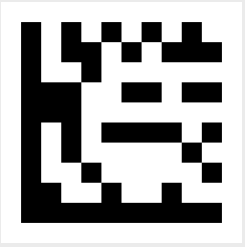
Romania



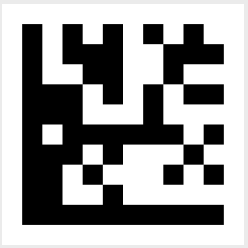
Croatia



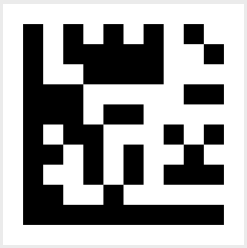
Poland



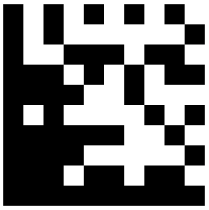
Turkish Q



Brazil



Russia

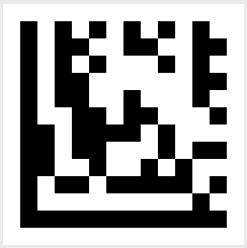


Bulgaria

5.2 QR Keyboard Output

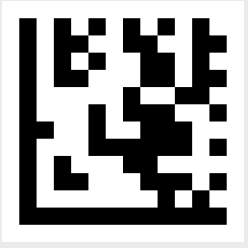
GB2312 Simplified Chinese

* Notepad, Excel

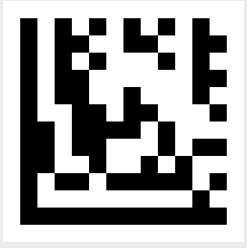


Word Output

Universal Multilingual Output (requires plug-in configuration)

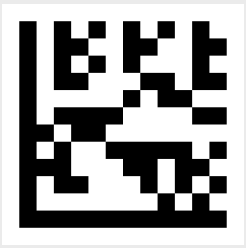


UTF-8 - Universal Multilingual Output

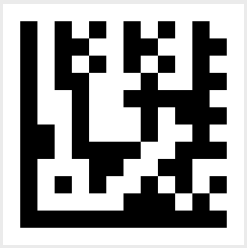


Code Page / Word Output

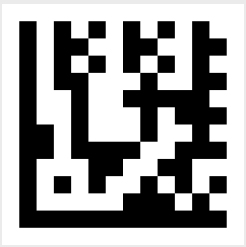
5.3 UTF-8 QR Keyboard Output



Thailand

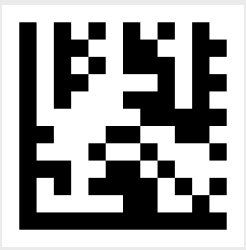


Russia



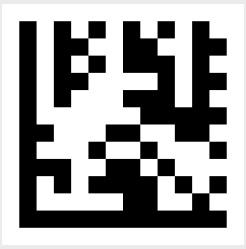
Bulgaria

Turkey

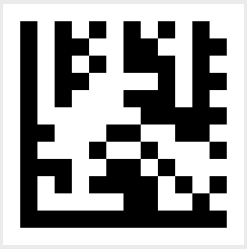


Brazil

Germany

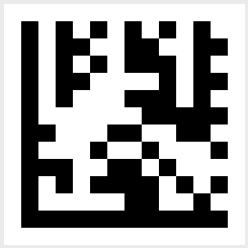


France



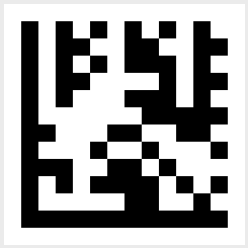
Italy

Spain



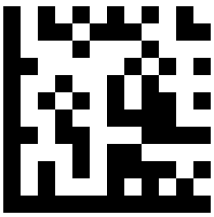
Portugal

Malaysia



Indonesia

5.4 Letter Case Conversion

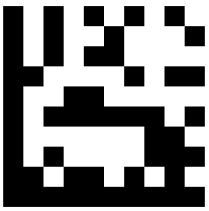


* Disable

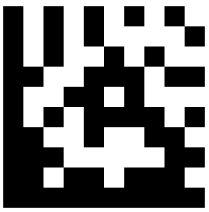
Convert to Uppercase

Convert to Lowercase

5.5 Caps Lock



* Disable Caps Lock



Enable Caps Lock

5.6 GS Character Conversion

Convert the `GS` character in keyboard mode to another ASCII code.

Example: Convert the GS character to #.

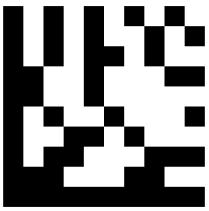
1. Scan “Start Setup”.
2. Scan the “Convert GS Character” Parameter Barcode.
3. Scan the `#` Parameter Barcode in *ASCII Code Table*.
4. Scan “End Setup”.

Example: Convert the GS character to Enter.

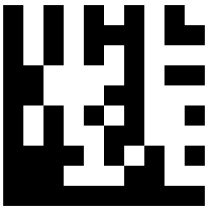
1. Scan “Start Setup”.
2. Scan the “Convert GS Character” Parameter Barcode.
3. Scan the `Enter` Parameter Barcode in *ASCII Code Table*.
4. Scan “End Setup”.

Example: Restore the default GS character setting.

1. Scan “Start Setup”.
2. Scan the “Disable GS Character Conversion” Parameter Barcode.
3. Scan “End Setup”.

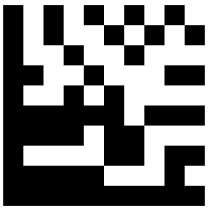


* Disable GS Character Conversion

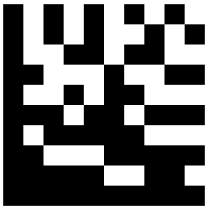


Convert GS Character

5.7 Function Key Mapping

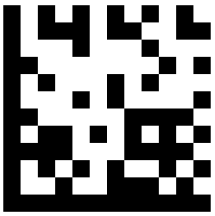


Disable



* Enable

* Ctrl Char Mode



Alt + Unicode Mode

6 Data Editing

Important

On this page, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

6.1 Output format

The following is the data output format.

Field	Length / Description
Barcode Information	`4 bytes`
Prefix	`4 bytes`
AIM ID	•
Barcode Data	•
Suffix	`4 bytes`
Terminator	`1 byte`

6.2 Barcode Information

Important

For this procedure, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

1. By default, barcode information is not output.
2. Use a serial command or scan a Parameter Barcode to enable or disable barcode information output.

Warning

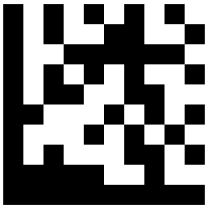
This function is supported only in serial mode and is not supported in USB keyboard mode.

The format is defined as follows:

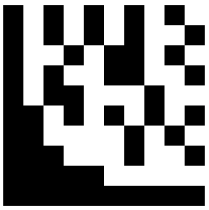
Field	Length / Description
Start Flag	`0x03` (`1 byte`)
Barcode Symbology Code	`1 byte`, hexadecimal
Barcode Length	`2 bytes`, range `0x0001 ~ 0xFFFF`

Barcode symbology codes are as follows:

Code	Barcode Types
`0x41`	PDF417
`0x42`	MicroPDF417
`0x43`	Data Matrix
`0x44`	QR Code
`0x45`	Micro QR
`0x46`	Aztec
`0x47`	MaxiCode
`0x61`	UPC-A
`0x62`	UPC-E
`0x63`	EAN-8
`0x64`	EAN-13
`0x65`	Code 128
`0x66`	Code 39
`0x67`	Code 93
`0x68`	Code 32
`0x69`	Code 11
`0x6A`	Codabar
`0x6B`	Plessey
`0x6C`	MSI Plessey
`0x6D`	Interleaved 2 of 5
`0x6E`	IATA 2 of 5
`0x6F`	Matrix 2 of 5
`0x70`	Straight 2 of 5
`0x71`	Pharmacode
`0x72`	GS1 DataBar 14
`0x73`	GS1 DataBar Expanded
`0x74`	GS1 DataBar Limited
`0x75`	Composite Code-A
`0x76`	Composite Code-B
`0x77`	Composite Code-C



* Disable



Enable

6.3 Prefix

Important

For this procedure, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

Add output characters before barcode data. Up to 4 characters can be set.

Example: Add the character a before all barcode data

1. Scan “Start Setup”.
2. Scan the “Set Prefix for All Symbologies” Parameter Barcode.
3. Scan the a Parameter Barcode in *ASCII Code Table*.
4. Scan “End Setup”.

Example: Remove the prefix

1. Scan “Start Setup”.
2. Scan the “Disable Prefix for All Symbologies” Parameter Barcode.
3. Scan “End Setup”.

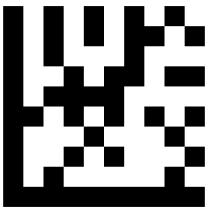
Example: Add the characters &13 before EAN-13 barcode data

1. Scan “Start Setup”.

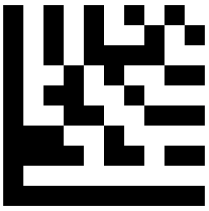
2. Scan the “Set EAN-13 Prefix” Parameter Barcode.
3. Scan the `&` Parameter Barcode in *ASCII Code Table*.
4. Scan the `1` Parameter Barcode in *ASCII Code Table*.
5. Scan the `3` Parameter Barcode in *ASCII Code Table*.
6. Scan “End Setup”.

Example: Remove the EAN-13 prefix

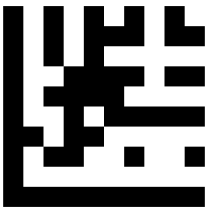
1. Scan “Start Setup”.
2. Scan the “Disable EAN-13 Prefix” Parameter Barcode.
3. Scan “End Setup”.



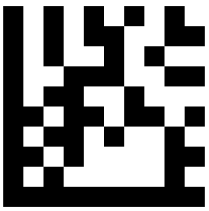
* Disable Prefix for All Symbologies



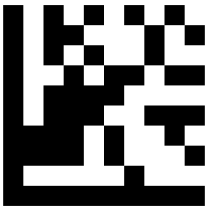
Set Prefix for All Symbologies



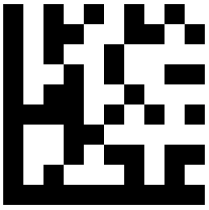
Set UPC-A Prefix



Disable UPC-A Prefix



Set UPC-E Prefix



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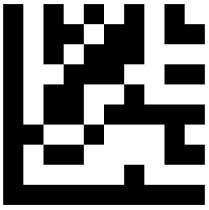
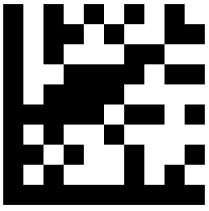
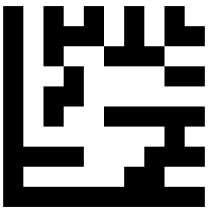


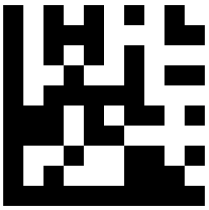
Set EAN-8 Prefix



Disable EAN-8 Prefix



Set EAN-13 Prefix



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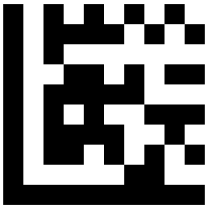
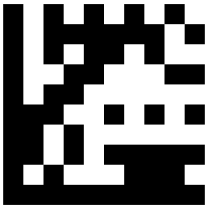


Set Code 128 Prefix



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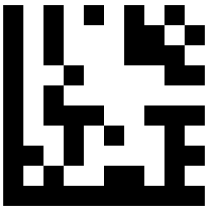

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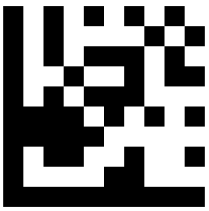

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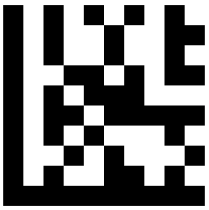

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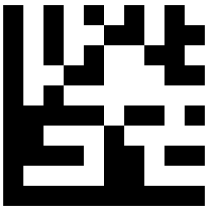

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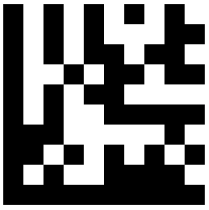

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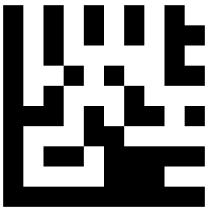

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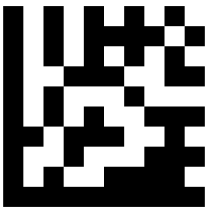
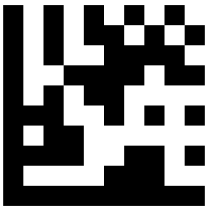


Set Code 11 Prefix



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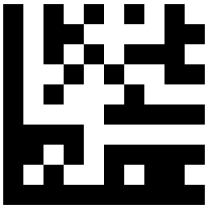
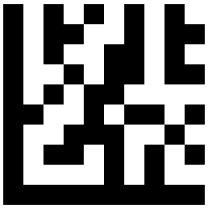


Set Codabar Prefix



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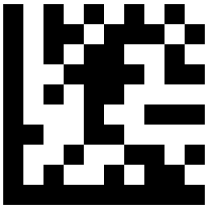
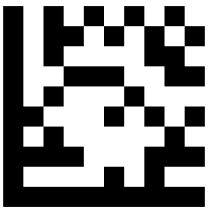


Set Plessey Prefix



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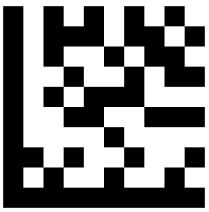
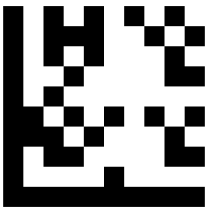


Set MSI Plessey Prefix



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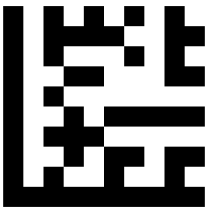
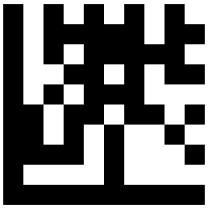
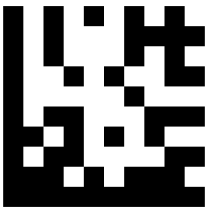


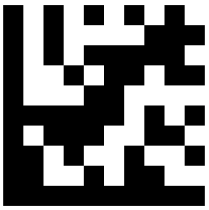
Set Interleaved 2 of 5 Prefix



Disable Interleaved 2 of 5 Prefix



Set IATA 2 of 5 Prefix



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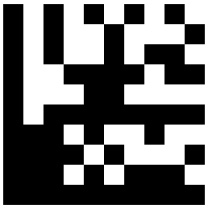

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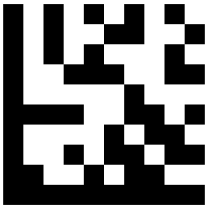

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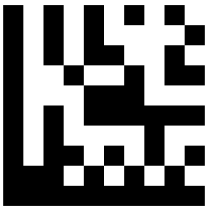
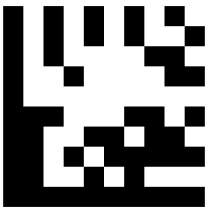


Set Straight 2 of 5 Prefix



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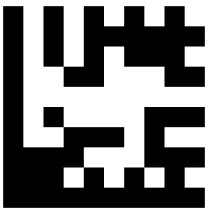
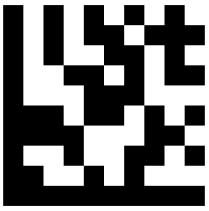


Set Pharmacode Prefix



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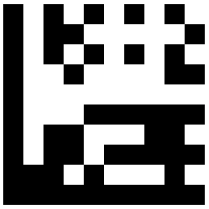
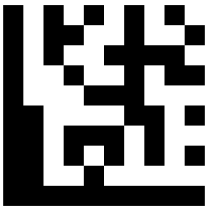


Set GS1 DataBar 14 Prefix



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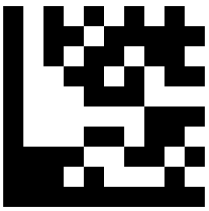
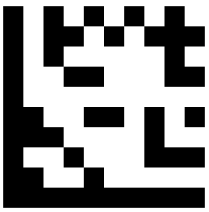
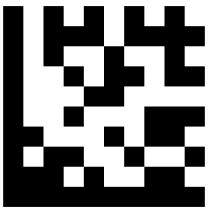


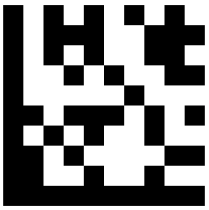
Set GS1 DataBar Expanded Prefix



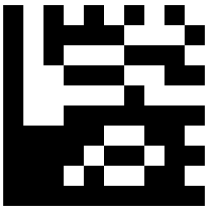
Disable GS1 DataBar Expanded Prefix



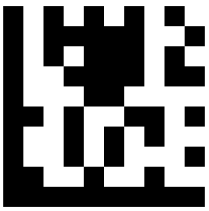
Set GS1 DataBar Limited Prefix



Disable GS1 DataBar Limited Prefix



Set Composite Code A Prefix



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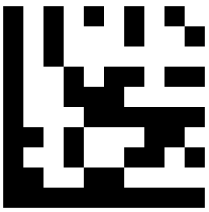

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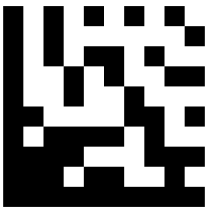

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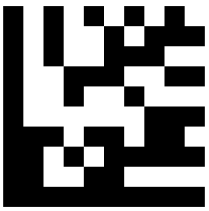

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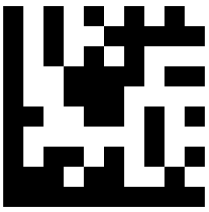

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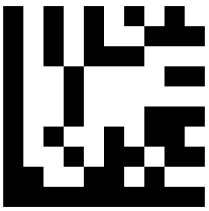
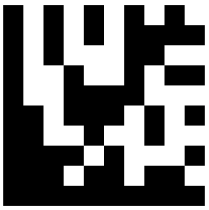


Set PDF417 Prefix



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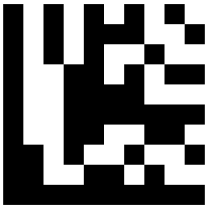
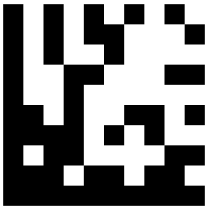


Set MicroPDF417 Prefix



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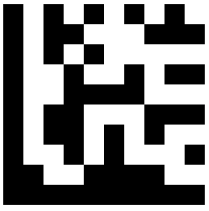
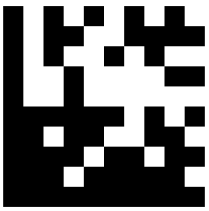
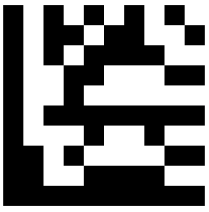


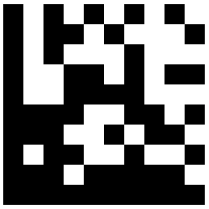
Set Data Matrix Prefix



Disable Data Matrix Prefix



Set QR Code Prefix



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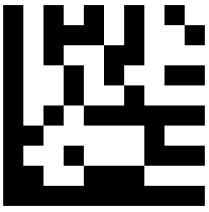
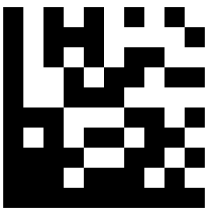
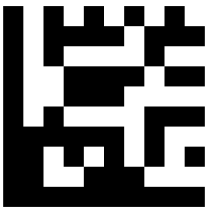


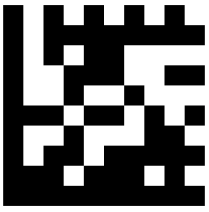
Set Micro QR Prefix



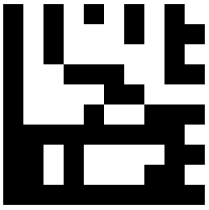
Disable Micro QR Prefix



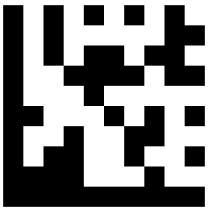
Set Aztec Prefix



Disable Aztec Prefix



Set MaxiCode Prefix



Disable MaxiCode Prefix

6.4 Suffix

Important

For this procedure, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

Add output characters after barcode data. Up to 4 characters can be set.

Example: Add the character a after all barcode data

1. Scan “Start Setup”.

2. Scan the “Set Suffix for All Symbologies” Parameter Barcode.
3. Scan the a Parameter Barcode in *ASCII Code Table*.
4. Scan “End Setup”.

Example: Remove the suffix

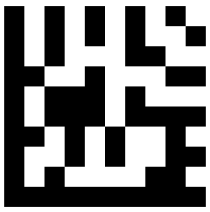
1. Scan “Start Setup”.
2. Scan the “Disable Suffix for All Symbologies” Parameter Barcode.
3. Scan “End Setup”.

Example: Add the characters &13 after EAN-13 barcode data

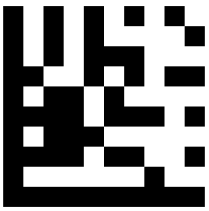
1. Scan “Start Setup”.
2. Scan the “Set EAN-13 Suffix” Parameter Barcode.
3. Scan the & Parameter Barcode in *ASCII Code Table*.
4. Scan the 1 Parameter Barcode in *ASCII Code Table*.
5. Scan the 3 Parameter Barcode in *ASCII Code Table*.
6. Scan “End Setup”.

Example: Remove the EAN-13 suffix

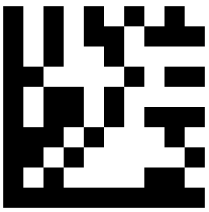
1. Scan “Start Setup”.
2. Scan the “Disable EAN-13 Suffix” Parameter Barcode.
3. Scan “End Setup”.



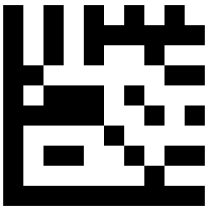
Set Suffix for All Symbologies



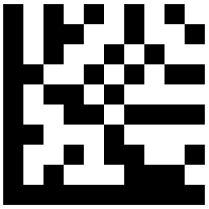
* Disable Suffix for All Symbologies



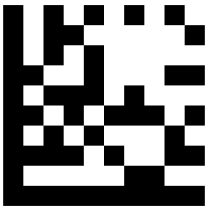
Set UPC-A Suffix



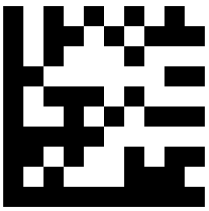
Disable UPC-A Suffix



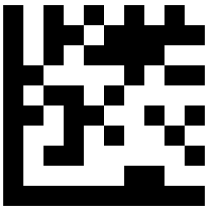
Set UPC-E Suffix



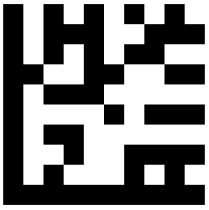
Disable UPC-E Suffix



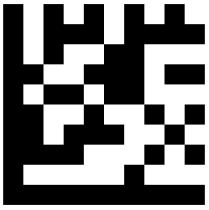
Set EAN-8 Suffix



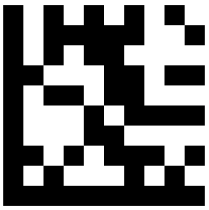
Disable EAN-8 Suffix



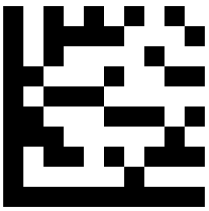
Set EAN-13 Suffix



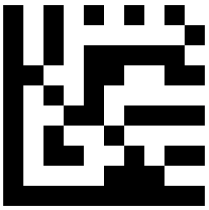
Disable EAN-13 Suffix



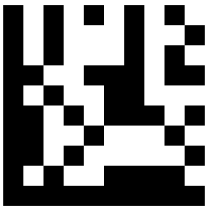
Set Code 128 Suffix



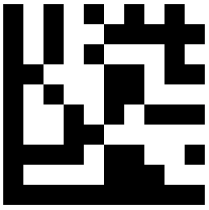
Disable Code 128 Suffix



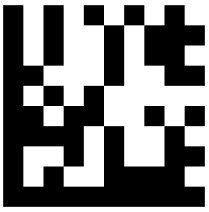
Set Code 39 Suffix



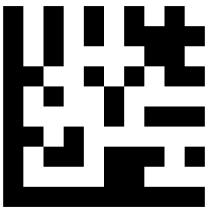
Disable Code 39 Suffix



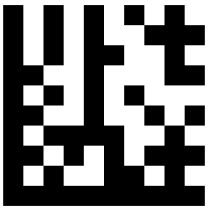
Set Code 93 Suffix



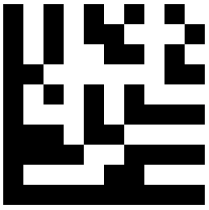
Disable Code 93 Suffix



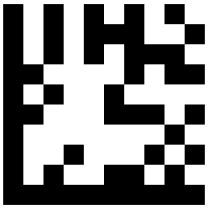
Set Code 32 Suffix



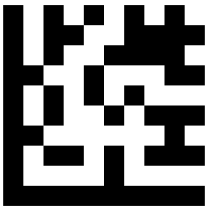
Disable Code 32 Suffix



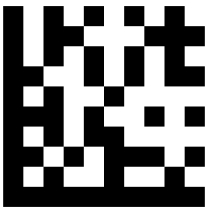
Set Code 11 Suffix



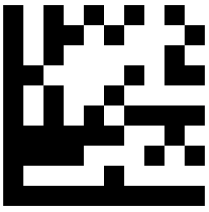
Disable Code 11 Suffix



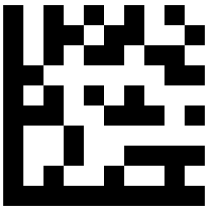
Set Codabar Suffix



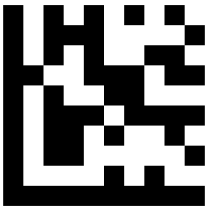
Disable Codabar Suffix



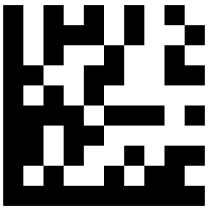
Set Plessey Suffix



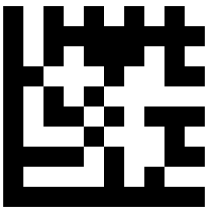
Disable Plessey Suffix



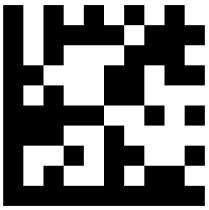
Set MSI Plessey Suffix



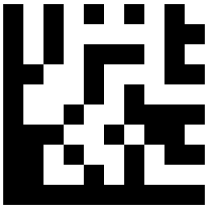
Disable MSI Plessey Suffix



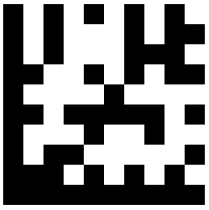
Set Interleaved 2 of 5 Suffix



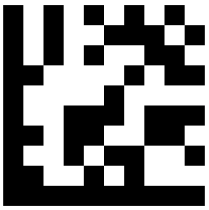
Disable Interleaved 2 of 5 Suffix



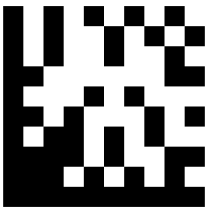
Set IATA 2 of 5 Suffix



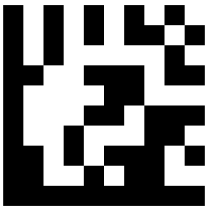
Disable IATA 2 of 5 Suffix



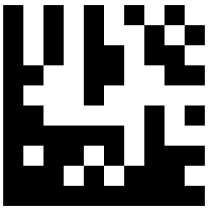
Set Matrix 2 of 5 Suffix



Disable Matrix 2 of 5 Suffix



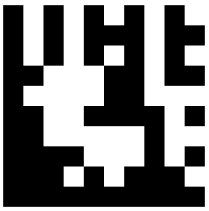
Set Straight 2 of 5 Suffix



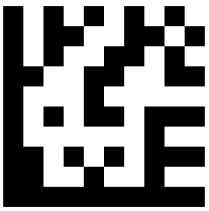
Disable Straight 2 of 5 Suffix

Warning

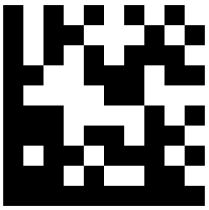
The image labelled “Set Pharmacode Suffix” in the historical source actually decodes to `KM15` (Slovak keyboard layout). To prevent incorrect configuration, this Parameter Barcode is not provided here. The intended command must be confirmed independently by the product or firmware owner.



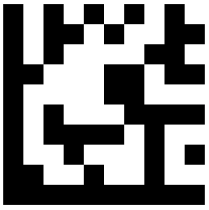
Disable Pharmacode Suffix



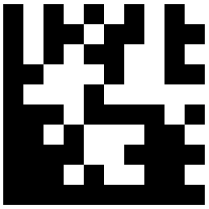
Set GS1 DataBar 14 Suffix



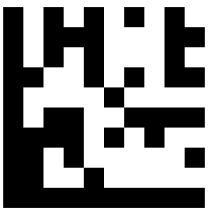
Disable GS1 DataBar 14 Suffix



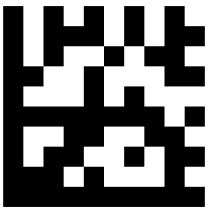
Set GS1 DataBar Expanded Suffix



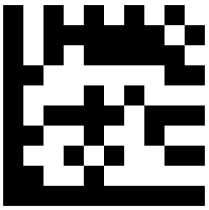
Disable GS1 DataBar Expanded Suffix



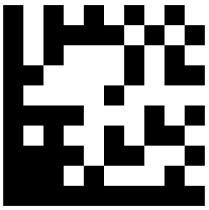
Set GS1 DataBar Limited Suffix



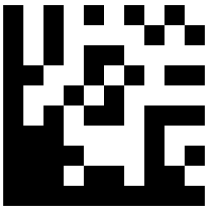
Disable GS1 DataBar Limited Suffix



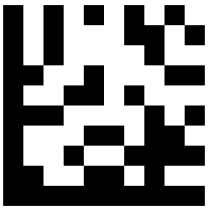
Set Composite Code A Suffix



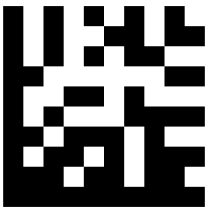
Disable Composite Code A Suffix



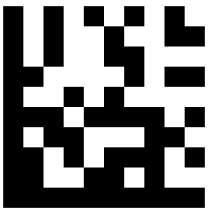
Set Composite Code B Suffix



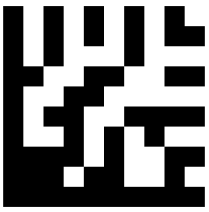
Disable Composite Code B Suffix



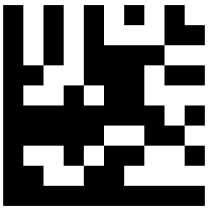
Set Composite Code C Suffix



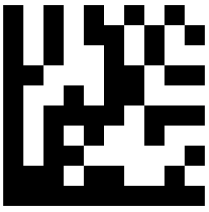
Disable Composite Code C Suffix



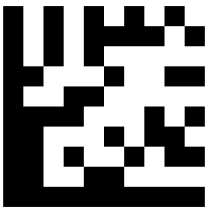
Set PDF417 Suffix



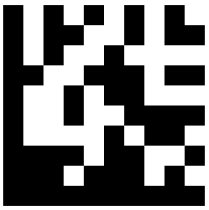
Disable PDF417 Suffix



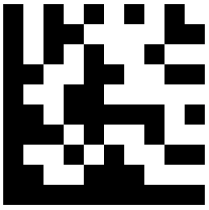
Set MicroPDF417 Suffix



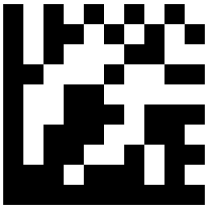
Disable MicroPDF417 Suffix



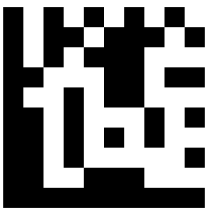
Set Data Matrix Suffix



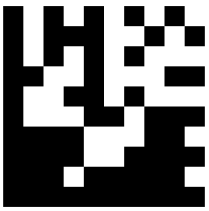
Disable Data Matrix Suffix



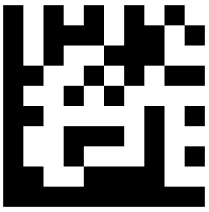
Set QR Code Suffix



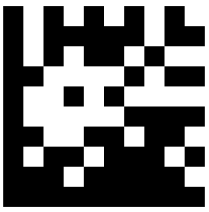
Disable QR Code Suffix



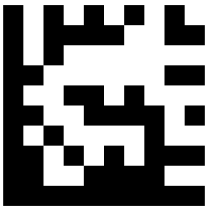
Set Micro QR Suffix



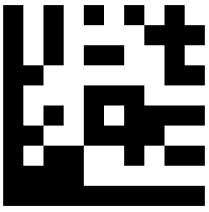
Disable Micro QR Suffix



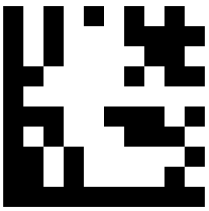
Set Aztec Suffix



Disable Aztec Suffix



Set MaxiCode Suffix

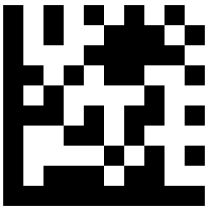


Disable MaxiCode Suffix

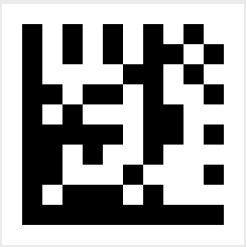
6.5 Code ID

Important

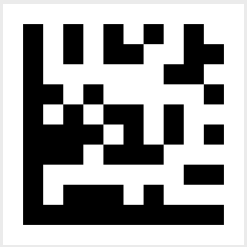
For this procedure, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.



* Disable Code ID



Enable AIM Code ID



Enable NETUM Code ID

Code ID Table

Symbology	NETUM	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

continues on next page

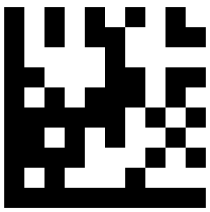
Table 2 – continued from previous page

Symbology	NETUM	AIM
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
GS1 DataBar 14	RS	e
GS1 DataBar Expanded	RX	e
GS1 DataBar Limited	RL	e
Composite CC-A	m	e
Composite CC-B	n	e
Composite CC-C	i	e
PDF417	r	L
MicroPDF417	s	L
Data Matrix	t	d
QR Code	u	Q
Micro QR	j	Q
Aztec	e	Z
MaxiCode	v	U

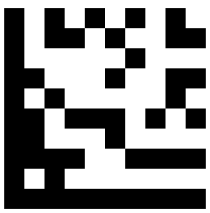
6.6 Terminator

Important

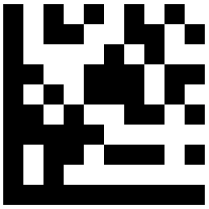
For this procedure, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.



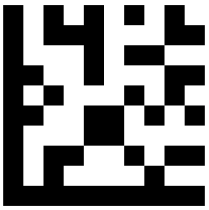
none



* Carriage Return / CR



CR / LF



TAB

7 Barcode Settings

Important

On this page, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

7.1 Supported Symbologies

Symbology	Status
UPC-A	* Enable
UPC-E	* Enable
EAN-8	* Enable
EAN-13	* Enable
Code 128 / GS1-128	* Enable
Code 39	* Enable
Code 93	* Enable
Code 32	Disable
Code 11	Disable
Codabar	* Enable
Plessey	Disable
MSI Plessey	* Enable
Interleaved 2 of 5	* Enable
IATA 2 of 5	Disable
Matrix 2 of 5	Disable
Straight 2 of 5	Disable
Pharmacode	Disable
GS1 DataBar 14	* Enable
GS1 DataBar 14 Stacked	Disable

continues on next page

Table 3 – continued from previous page

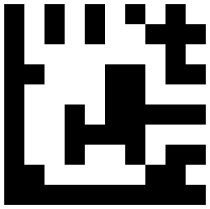
Symbology	Status
GS1 DataBar Expanded	* Enable
GS1 DataBar Expanded Stacked	Disable
GS1 DataBar Limited	* Enable
Composite Code-A	Disable
Composite Code-B	Disable
Composite Code-C	Disable
PDF417	* Enable
MicroPDF417	* Enable
Data Matrix	* Enable
QR Code	* Enable
Micro QR	* Enable
Aztec	Disable
MaxiCode	Disable

7.2 General Symbology Switches

Important

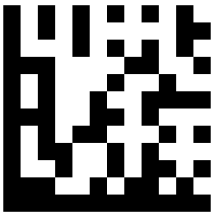
For settings in this group, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

Enable All Barcodes



Enable All Barcodes

Enable 1D Barcodes Only



Enable 1D Barcodes Only

Enable 2D Barcodes Only

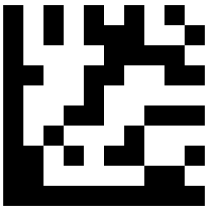
Enable 2D Barcodes Only

7.3 1D Symbology Settings

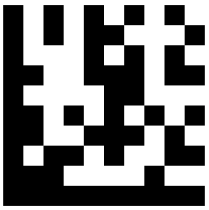
Important

For settings in this group, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

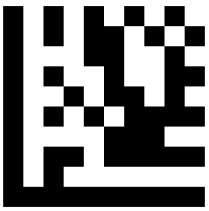
UPC-A



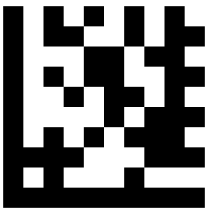
* Enable UPC-A



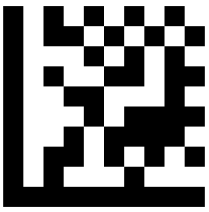
Disable UPC-A



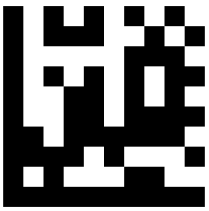
* Transmit Leading Digit



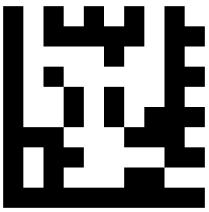
Do Not Transmit Leading Digit



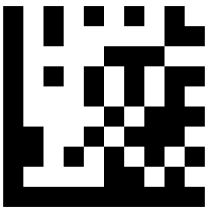
* Enable Check Digit



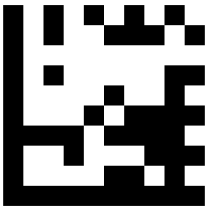
Disable Check Digit



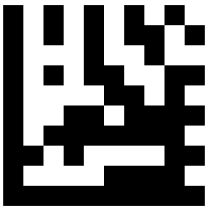
Enable EAN-13 Conversion



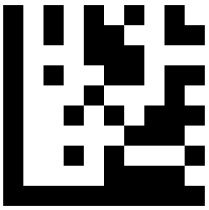
* Disable EAN-13 Conversion



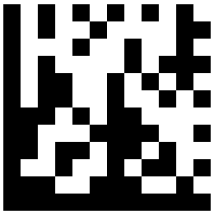
Enable UPC-A 2- or 5-digit Supplementals



* Disable UPC-A 2- or 5-digit Supplementals

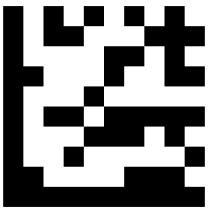


Decode UPC-A with 2- or 5-digit Supplementals Only

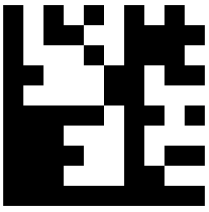


* Decode UPC-A With or Without 2- or 5-digit Supplementals

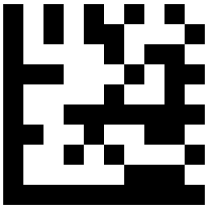
UPC-E



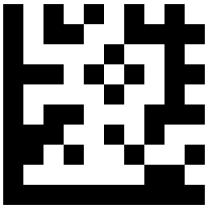
* Enable UPC-E



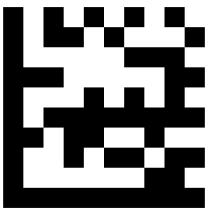
Disable UPC-E



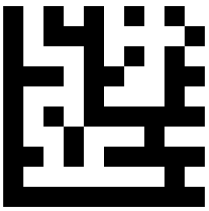
* Transmit Leading Digit



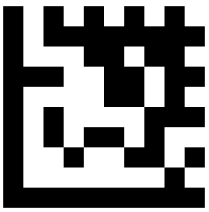
Do Not Transmit Leading Digit



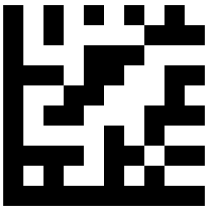
* Enable Check Digit



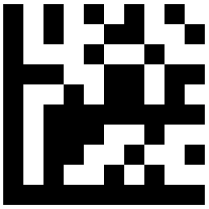
Disable Check Digit



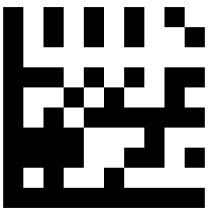
Enable UPC-A Conversion



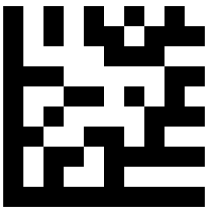
* Disable UPC-A Conversion



Enable UPC-E 2- or 5-digit Supplementals



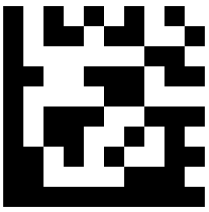
* Disable UPC-E 2- or 5-digit Supplementals



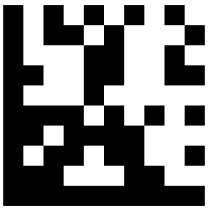
Decode UPC-E with 2- or 5-digit Supplementals Only

* Decode UPC-E With or Without 2- or 5-digit Supplementals

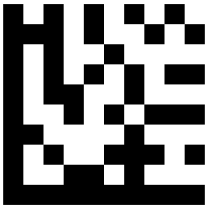
EAN-8



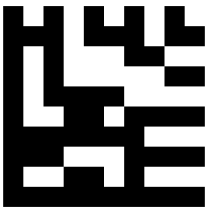
* Enable EAN-8



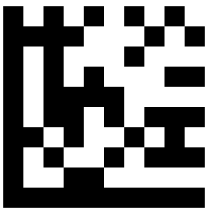
Disable EAN-8



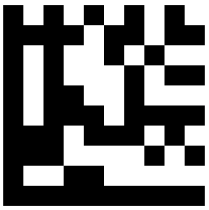
* Transmit Check Digit



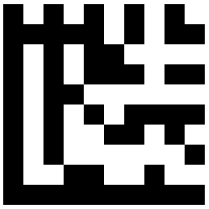
Do Not Transmit Check Digit



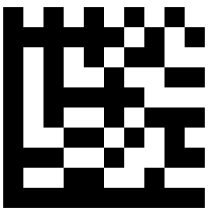
Enable EAN-13 Conversion



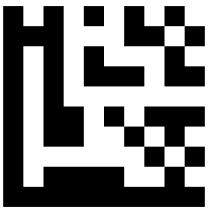
* Disable EAN-13 Conversion



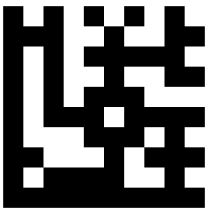
Enable EAN-8 2- or 5-digit Supplementals



* Disable EAN-8 2- or 5-digit Supplementals

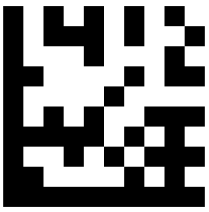


Decode EAN-8 with 2- or 5-digit Supplementals Only

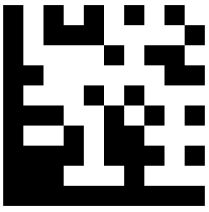


* Decode EAN-8 With or Without 2- or 5-digit Supplementals

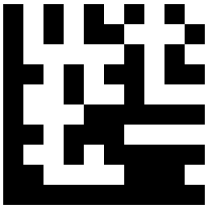
EAN-13



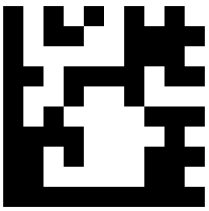
* Enable EAN-13



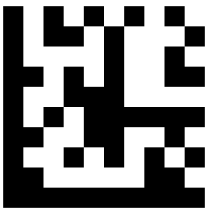
Disable EAN-13



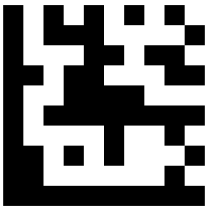
* Transmit Check Digit



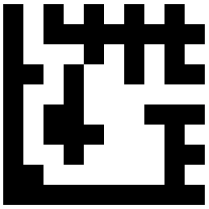
Do Not Transmit Check Digit



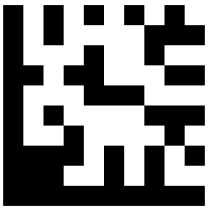
Enable ISBN Conversion



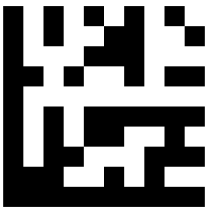
* Disable ISBN Conversion



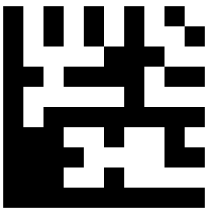
Enable ISSN Conversion



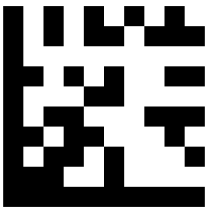
* Disable ISSN Conversion



Enable EAN-13 2- or 5-digit Supplementals



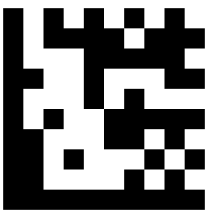
* Disable EAN-13 2- or 5-digit Supplementals



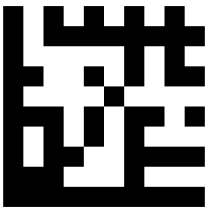
Decode EAN-13 with 2- or 5-digit Supplementals Only

* Decode EAN-13 With or Without 2- or 5-digit Supplementals

Code 128 / GS1-128

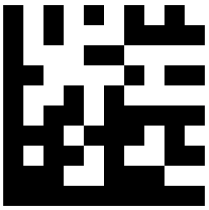


* Enable Code 128 / GS1-128

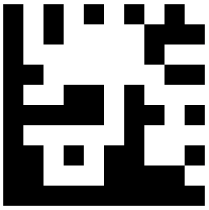


Disable Code 128 / GS1-128

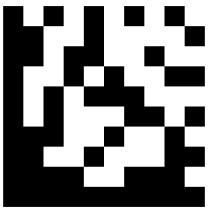
Code 39



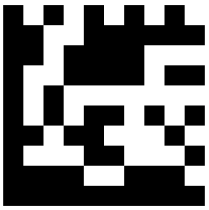
* Enable Code 39



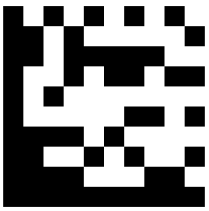
Disable Code 39



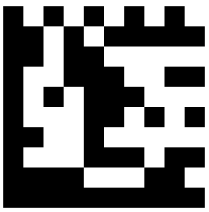
Enable Code 39 Full ASCII Function



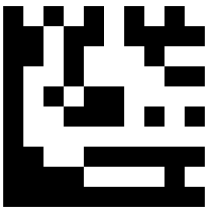
* Disable Code 39 Full ASCII Function



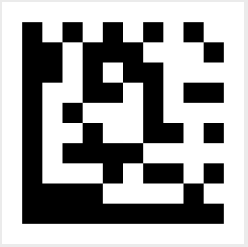
Transmit Start/Stop Characters



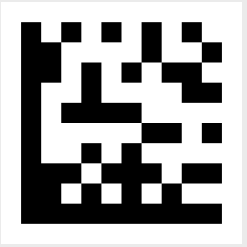
* Do Not Transmit Start/Stop Characters



* No Verification

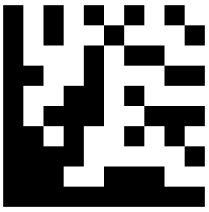


Verify and Transmit

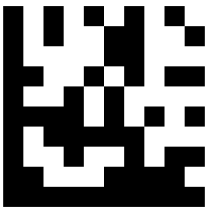


Verify Without Transmitting

Code 93

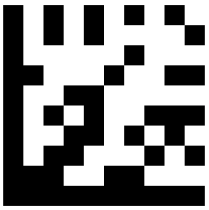


Enable Code 93

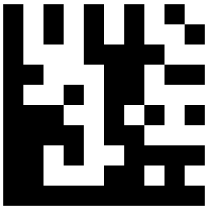


* Disable Code 93

Code 32

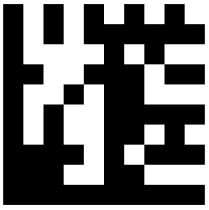


Enable Code 32

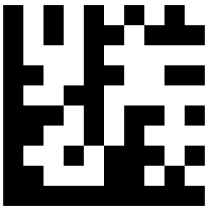


* Disable Code 32

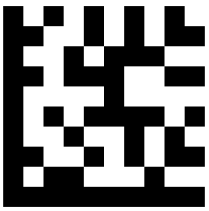
Code 11



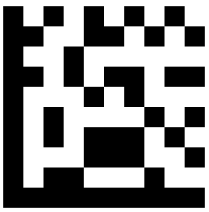
Enable Code 11



* Disable Code 11

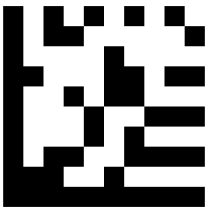


* Transmit Check Digit

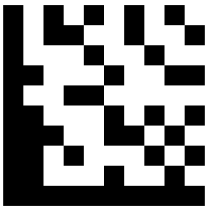


Do Not Transmit Check Digit

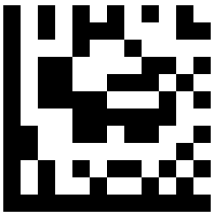
Codabar



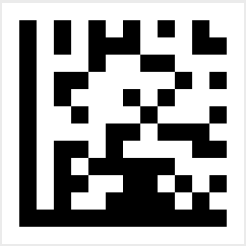
* Enable Codabar



Disable Codabar

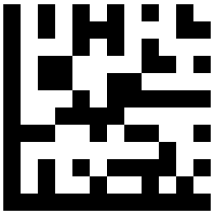


* No Verification

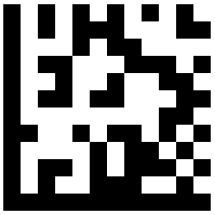


Verify and Transmit

Verify Without Transmitting

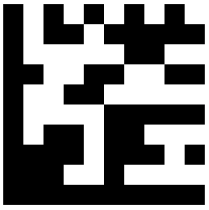


Transmit Start/Stop Characters

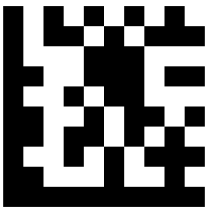


* Do Not Transmit Start/Stop Characters

Plessey

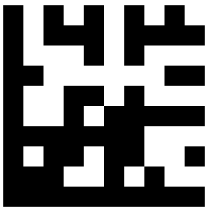


Enable Plessey

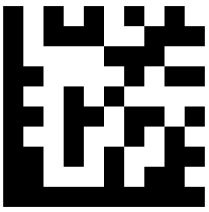


* Disable Plessey

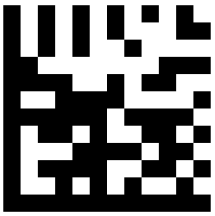
MSI Plessey



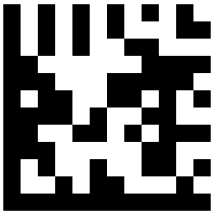
* Enable MSI Plessey



Disable MSI Plessey

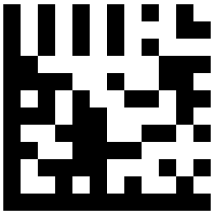


No Verification

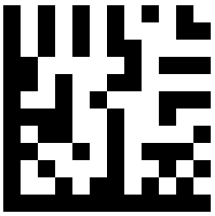


* Mod 10 Verification

Mod 10/10 Verification



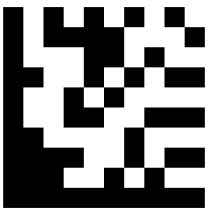
Mod 11/10 Verification



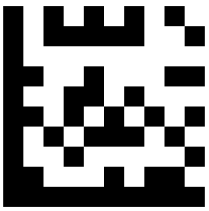
* Transmit Check Digit

Do Not Transmit Check Digit

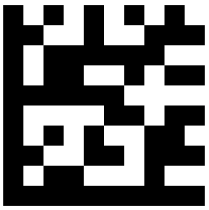
Interleaved 2 of 5



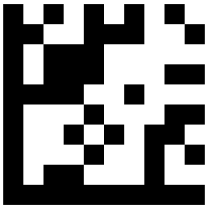
* Enable Interleaved 2 of 5



Disable Interleaved 2 of 5

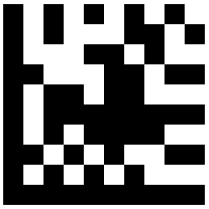


* No Verification

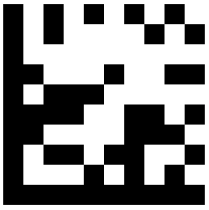


Verify and Transmit

IATA 2 of 5

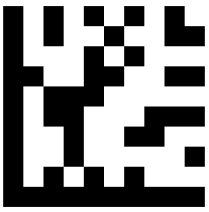


Enable IATA 2 of 5

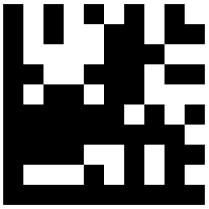


* Disable IATA 2 of 5

Matrix 2 of 5

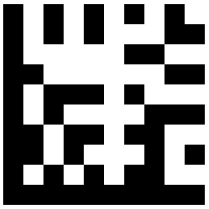


Enable Matrix 2 of 5

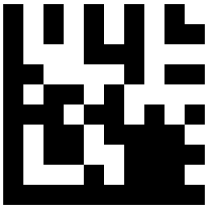


* Disable Matrix 2 of 5

Straight 2 of 5

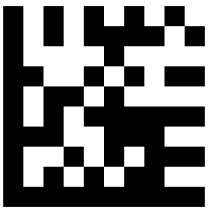


Enable Straight 2 of 5

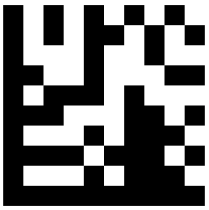


* Disable Straight 2 of 5

Pharmacode

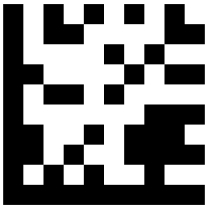


Enable Pharmacode

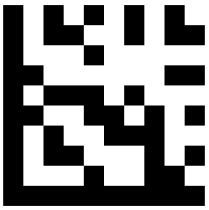


* Disable Pharmacode

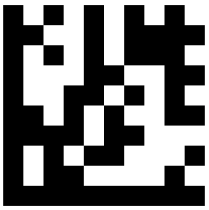
GS1 DataBar 14



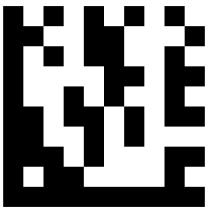
* Enable GS1 DataBar 14



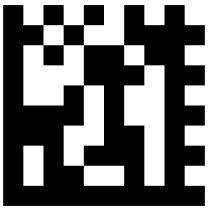
Disable GS1 DataBar 14



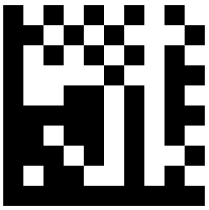
Enable GS1 DataBar 14 Stacked



* Disable GS1 DataBar 14 Stacked

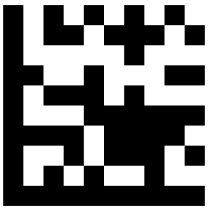


* Output AI (01) Characters

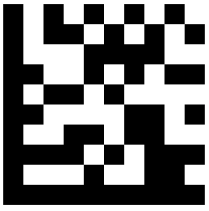


Do Not Output AI (01) Characters

GS1 DataBar Expanded



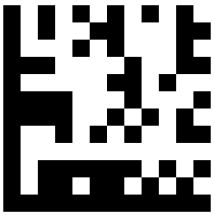
* Enable GS1 DataBar Expanded



Disable GS1 DataBar Expanded

Enable GS1 DataBar Expanded Stacked

* Disable GS1 DataBar Expanded Stacked

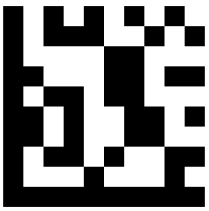


* Output AI (01) Characters

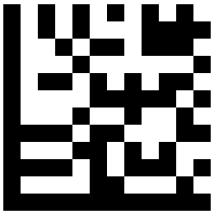
Do Not Output AI (01) Characters

GS1 DataBar Limited

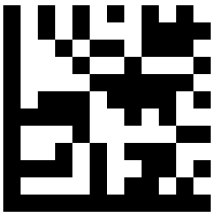
* Enable GS1 DataBar Limited



Disable GS1 DataBar Limited



* Output AI (01) Characters



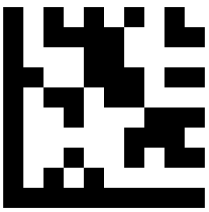
Do Not Output AI (01) Characters

7.4 2D and Composite Code Settings

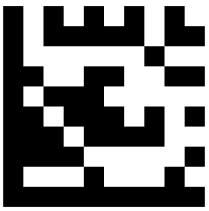
Important

For settings in this group, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

Composite Code-A

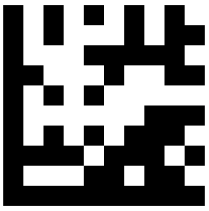


Enable Composite Code-A

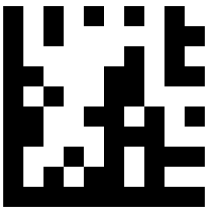


* Disable Composite Code-A

Composite Code-B

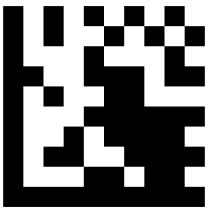


Enable Composite Code-B

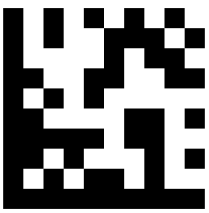


* Disable Composite Code-B

Composite Code-C

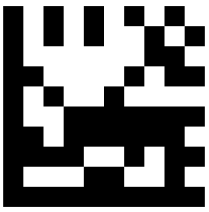


Enable Composite Code-C

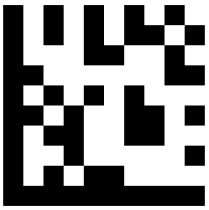


* Disable Composite Code-C

PDF417

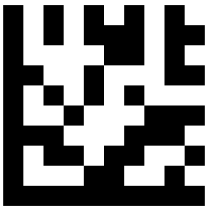


* Enable PDF417

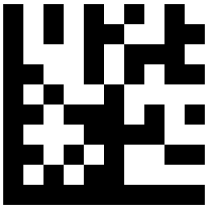


Disable PDF417

MicroPDF417

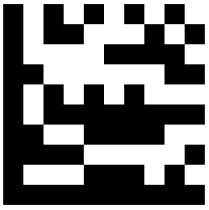


* Enable MicroPDF417

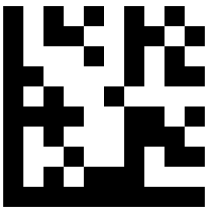


Disable MicroPDF417

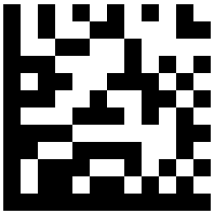
Data Matrix



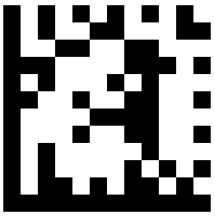
* Enable Data Matrix



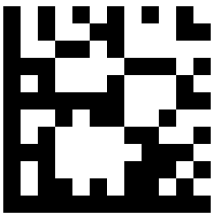
Disable Data Matrix



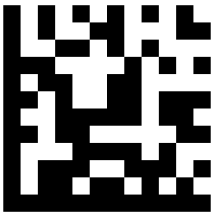
* Enable Mirror Decode



Disable Mirror Decode

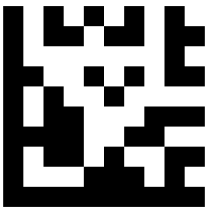


* Enable Rectangular Data Matrix

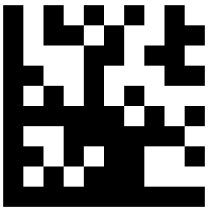


Disable Rectangular Data Matrix

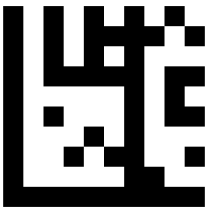
QR Code



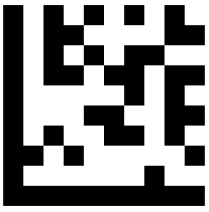
* Enable QR Code



Disable QR Code

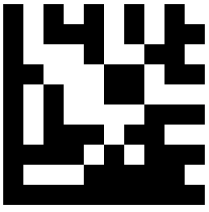


* Enable Mirror Decode

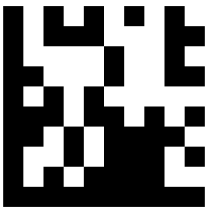


Disable Mirror Decode

Micro QR

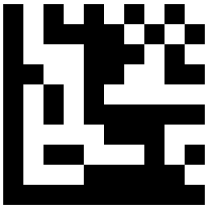


* Enable Micro QR

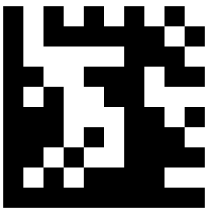


Disable Micro QR

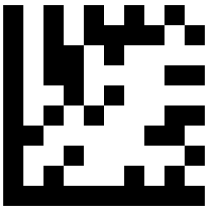
Aztec



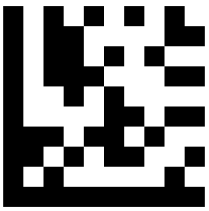
Enable Aztec



* Disable Aztec

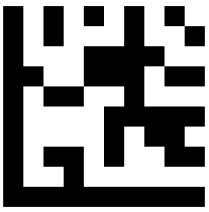


* Enable Mirror Decode

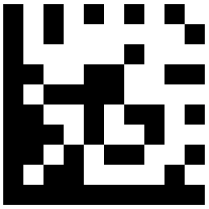


Disable Mirror Decode

MaxiCode



Enable MaxiCode



* Disable MaxiCode

7.5 Decode Length Settings

Important

For settings in this group, perform settings in the order: Start Setup -> Function Parameter Barcode -> End Setup.

The following settings limit the readable length for each symbology; `Code 128` is used as the example.

Restrict to a Single Length

Restrict reading to barcodes of a single length. For example, set `Code 128` to read only barcodes with a length of `14` characters.

Example

1. Scan “Start Setup”.
2. Scan the `Code 128` “Restrict to a Single Length” Parameter Barcode.
3. Scan the `1` Parameter Barcode in *ASCII Code Table*.
4. Scan the `4` Parameter Barcode in *ASCII Code Table*.
5. Scan “End Setup”.

Restrict to Two Different Lengths

Restrict reading to barcodes of two different lengths. For example, set `Code 128` to read barcodes with lengths of `2` and `14` characters.

Example

1. Scan “Start Setup”.
2. Scan the `Code 128` “Restrict to Two Different Lengths” Parameter Barcode.
3. Scan the `0` Parameter Barcode in *ASCII Code Table*.
4. Scan the `2` Parameter Barcode in *ASCII Code Table*.
5. Scan the `1` Parameter Barcode in *ASCII Code Table*.
6. Scan the `4` Parameter Barcode in *ASCII Code Table*.
7. Scan “End Setup”.

Restrict to a Length Range

Restrict reading to barcodes within a length range. For example, set `Code 128` to read barcodes with lengths from `08~14` characters.

Example

1. Scan “Start Setup”.
2. Scan the `Code 128` “Restrict to a Length Range” Parameter Barcode.
3. Scan the `0` Parameter Barcode in *ASCII Code Table*.
4. Scan the `8` Parameter Barcode in *ASCII Code Table*.
5. Scan the `1` Parameter Barcode in *ASCII Code Table*.
6. Scan the `4` Parameter Barcode in *ASCII Code Table*.
7. Scan “End Setup”.

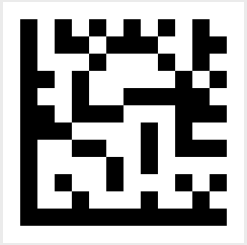
any length

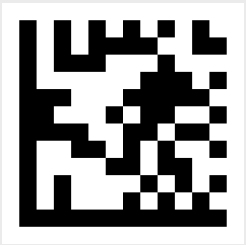
Example

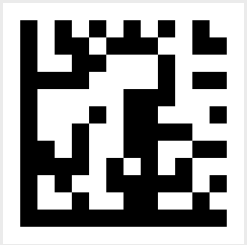
1. Scan “Start Setup”.
2. Scan the `Code 128` “Any Length” Parameter Barcode.
3. Scan “End Setup”.

Code 128

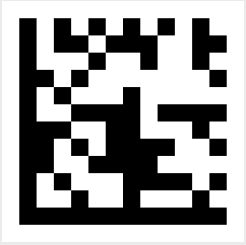
Restrict to a Single Length

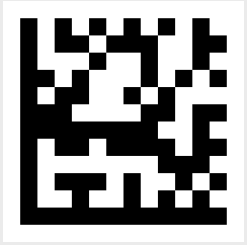

Restrict to Two Different Lengths

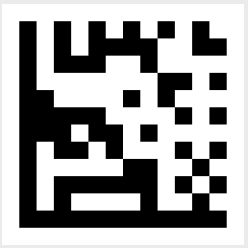

Restrict to a Length Range


* Any Length

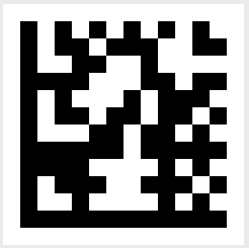
Code 39


Restrict to a Single Length


Restrict to Two Different Lengths



Restrict to a Length Range

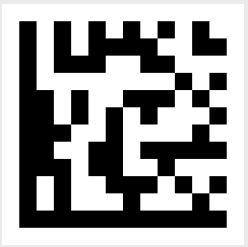


* Any Length

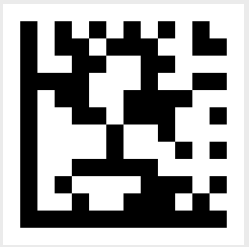
Code 93

Restrict to a Single Length

Restrict to Two Different Lengths

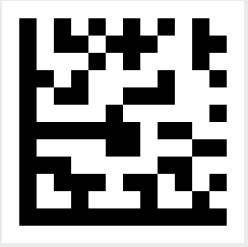


Restrict to a Length Range



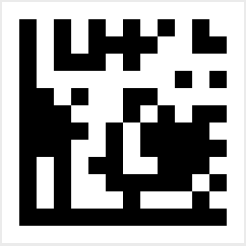
* Any Length

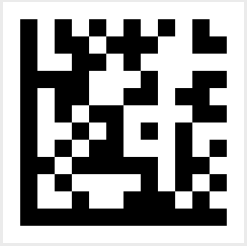
Codabar



Restrict to a Single Length

Restrict to Two Different Lengths

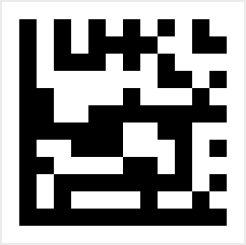

Restrict to a Length Range


* Any Length

Interleaved 2 of 5

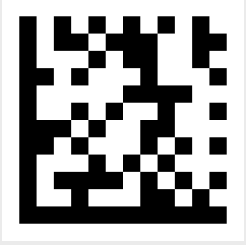
Restrict to a Single Length

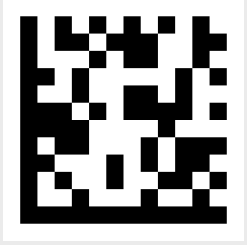
Restrict to Two Different Lengths

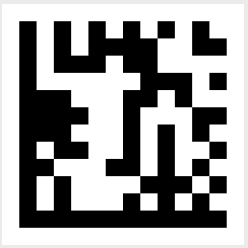

Restrict to a Length Range

* Any Length

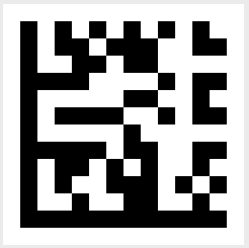
Code 11


Restrict to a Single Length


Restrict to Two Different Lengths



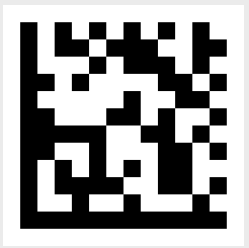
Restrict to a Length Range



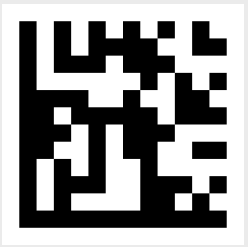
* Any Length

MSI Plessey

Restrict to a Single Length



Restrict to Two Different Lengths

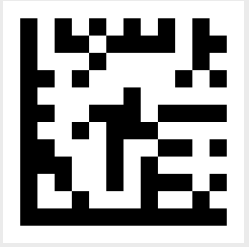


Restrict to a Length Range

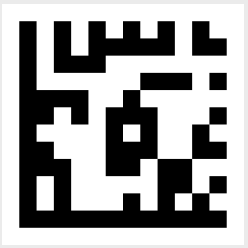
* Any Length

Matrix 2 of 5

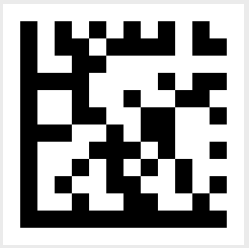
Restrict to a Single Length



Restrict to Two Different Lengths



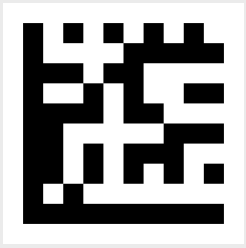
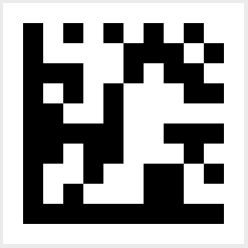
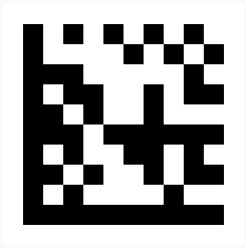
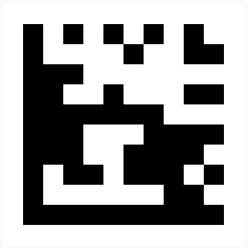
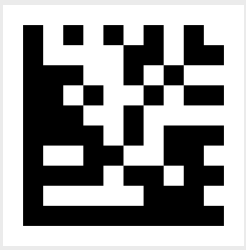
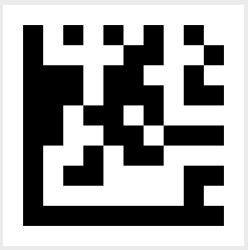
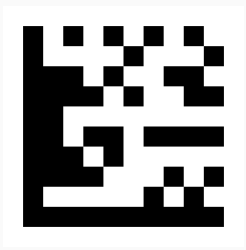
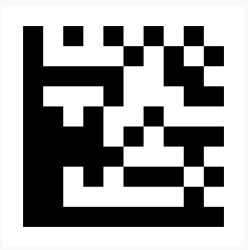
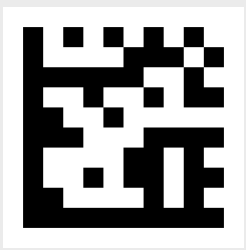
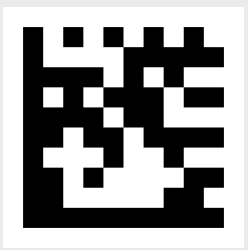
Restrict to a Length Range



* Any Length

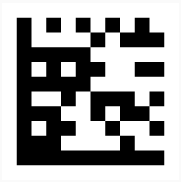
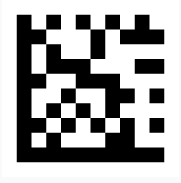
8 Appendix

8.1 Decimal Digits

Digit	Parameter Barcode	Digit	Parameter Barcode
0		1	
2		3	
4		5	
6		7	
8		9	

8.2 ASCII Code Table

Control Characters (Function Key Mapping)

Hex	Dec	ASCII	Ctrl Char Mode	Alt + Unicode Mode
00	0	Null	Ctrl+@	Alt + 000
01	1	Home	Ctrl+A	Alt + 001
02	2	End	Ctrl+B	Alt + 002
03	3	Up Arrow	Ctrl+C	Alt + 003
04	4	Down Arrow	Ctrl+D	Alt + 004
05	5	Left Arrow	Ctrl+E	Alt + 005
06	6	Right Arrow	Ctrl+F	Alt + 006
07	7	Null	Ctrl+G	Alt + 007
08	8		Backspace	Alt + 008
09	9		TAB	Alt + 009
0A	10	Null	Ctrl+J	Alt + 010
0B	11	Null	Ctrl+K	Alt + 011
0C	12	Null	Ctrl+L	Alt + 012
0D	13		Enter	Enter
0E	14	Page Up	Ctrl+N	Alt + 014
0F	15	Page Down	Ctrl+O	Alt + 015
10	16	F11	Ctrl+P	Alt + 016
11	17	Null	Ctrl+Q	Alt + 017
12	18	Null	Ctrl+R	Alt + 018
13	19	Null	Ctrl+S	Alt + 019
14	20	Null	Ctrl+T	Alt + 020
15	21	F12	Ctrl+U	Alt + 021
16	22	F1	Ctrl+V	Alt + 022
17	23	F2	Ctrl+W	Alt + 023
18	24	F3	Ctrl+X	Alt + 024
19	25	F4	Ctrl+Y	Alt + 025
1A	26	F5	Ctrl+Z	Alt + 026
1B	27	F6	Ctrl+[	Alt + 027

continues on next page

Table 4 – continued from previous page

Hex	Dec	ASCII	Ctrl Char Mode	Alt + Unicode Mode
1C	28	F7	Ctrl+\	Alt + 028
1D	29	F8	Ctrl+]	Alt + 029
1E	30	F9	Ctrl+^	Alt + 030
1F	31	F10	Ctrl+_	Alt + 031

Printable Characters and Delete

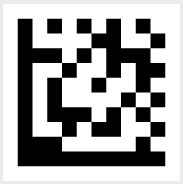
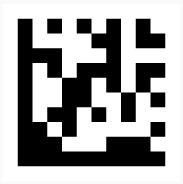
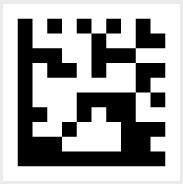
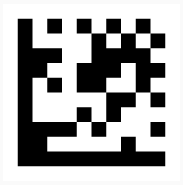
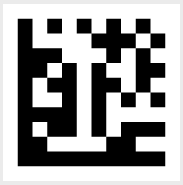
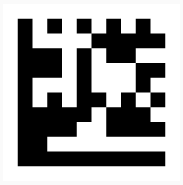
Hex	Dec	ASCII	Parameter Barcode
20	32	SPACE	
21	33	!	
22	34	"	
23	35	#	
24	36	$	
25	37	%	

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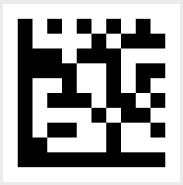
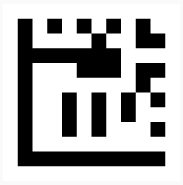
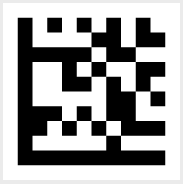
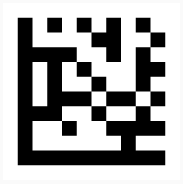
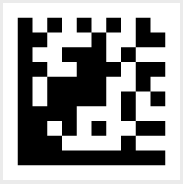
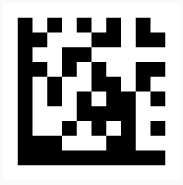
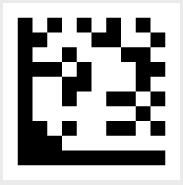
Table 5 – continued from previous page

Hex	Dec	ASCII	Parameter Barcode
26	38	&	
27	39	'	
28	40	(	
29	41	)	
2A	42	*	
2B	43	+	
2C	44	,	

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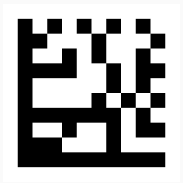
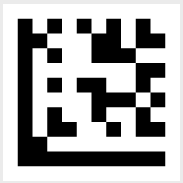
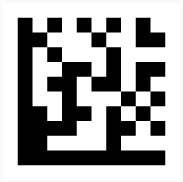
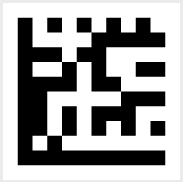
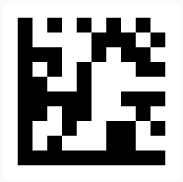
Hex	Dec	ASCII	Parameter Barcode
2D	45	-	
2E	46	.	
2F	47	/	
30	48	0	
31	49	1	
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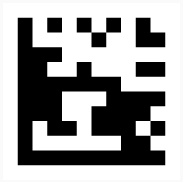
33	51	3	

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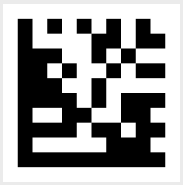
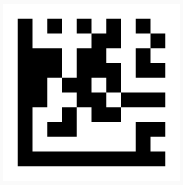
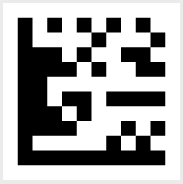
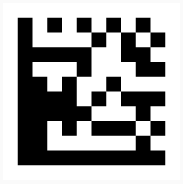
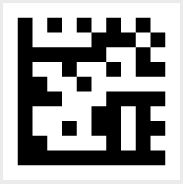
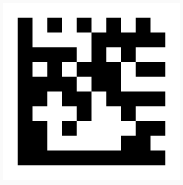
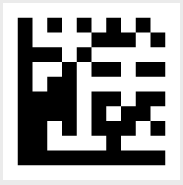
Hex	Dec	ASCII	Parameter Barcode
34	52	4	
35	53	5	
36	54	6	
37	55	7	
38	56	8	
39	57	9	
3A	58	:	

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Table 5 – continued from previous page

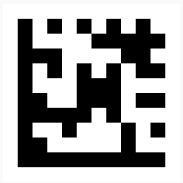
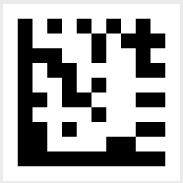
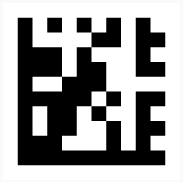
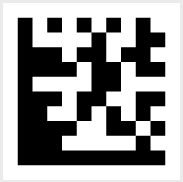
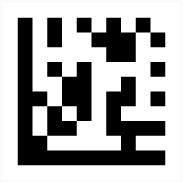
Hex	Dec	ASCII	Parameter Barcode
3B	59	;	
3C	60	<	
3D	61	=	
3E	62	>	
3F	63	?	
40	64	@	
41	65	A	

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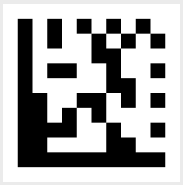
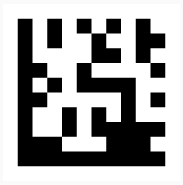
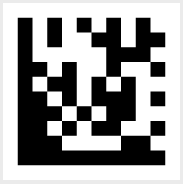
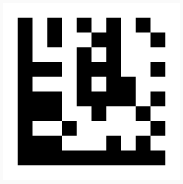
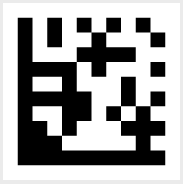
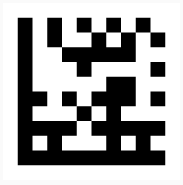
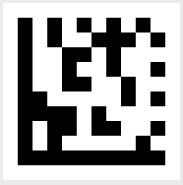
Table 5 – continued from previous page

Hex	Dec	ASCII	Parameter Barcode
42	66	B	
43	67	C	
44	68	D	
45	69	E	
46	70	F	
47	71	G	
48	72	H	

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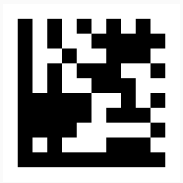
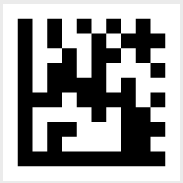
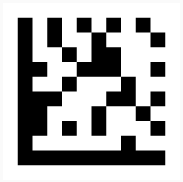
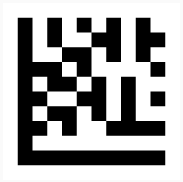
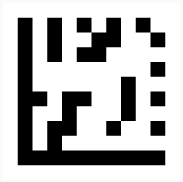
Hex	Dec	ASCII	Parameter Barcode
49	73	I	
4A	74	J	
4B	75	K	
4C	76	L	
4D	77	M	
4E	78	N	
4F	79	O	

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Table 5 – continued from previous page

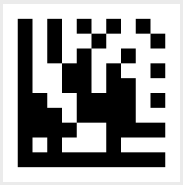
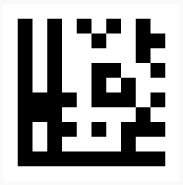
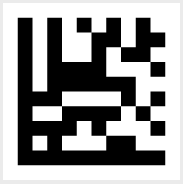
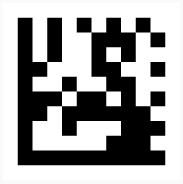
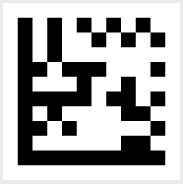
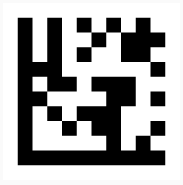
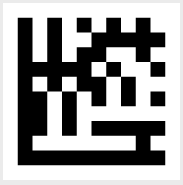
Hex	Dec	ASCII	Parameter Barcode
50	80	P	
51	81	Q	
52	82	R	
53	83	S	
54	84	T	
55	85	U	
56	86	V	

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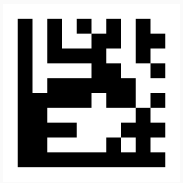
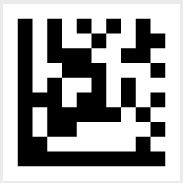
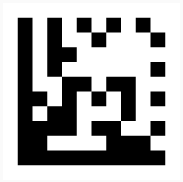
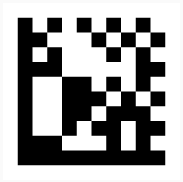
Table 5 – continued from previous page

Hex	Dec	ASCII	Parameter Barcode
57	87	W	
58	88	X	
59	89	Y	
5A	90	Z	
5B	91	[	
5C	92	\	
5D	93	]	

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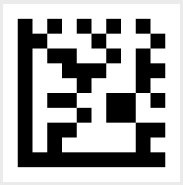
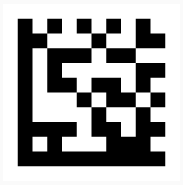
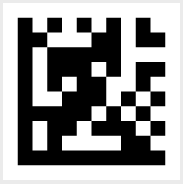
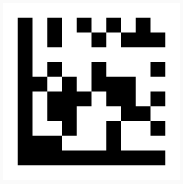
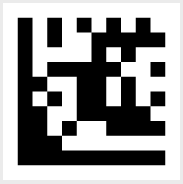
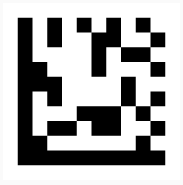
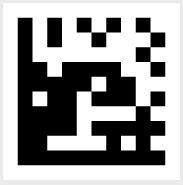
Hex	Dec	ASCII	Parameter Barcode
5E	94	^	
5F	95	_	
60	96	`	
61	97	a	
62	98	b	
63	99	c	
64	100	d	

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Table 5 – continued from previous page

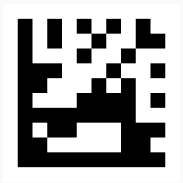
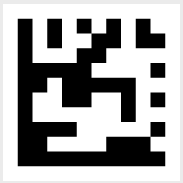
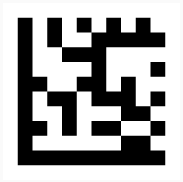
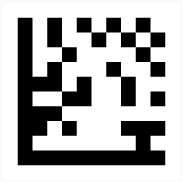
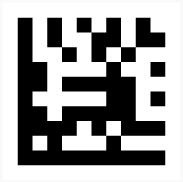
Hex	Dec	ASCII	Parameter Barcode
65	101	e	
66	102	f	
67	103	g	
68	104	h	
69	105	i	
6A	106	j	
6B	107	k	

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Table 5 – continued from previous page

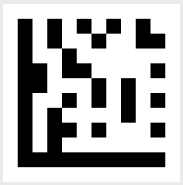
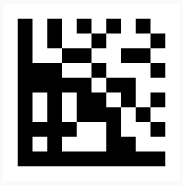
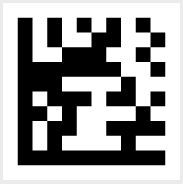
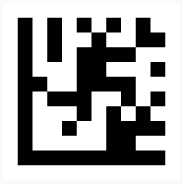
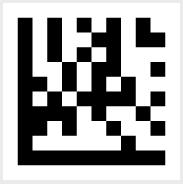
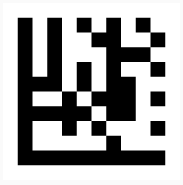
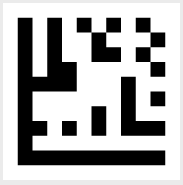
Hex	Dec	ASCII	Parameter Barcode
6C	108	l	
6D	109	m	
6E	110	n	
6F	111	o	
70	112	p	
71	113	q	
72	114	r	

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Table 5 – continued from previous page

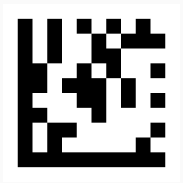
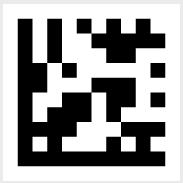
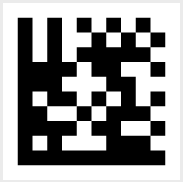
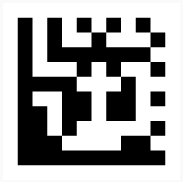
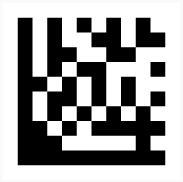
Hex	Dec	ASCII	Parameter Barcode
73	115	s	
74	116	t	
75	117	u	
76	118	v	
77	119	w	
78	120	x	
79	121	y	

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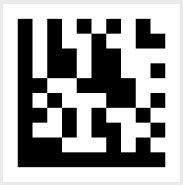
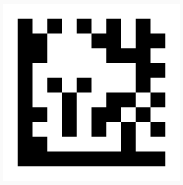
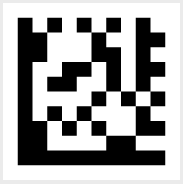
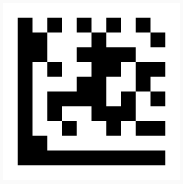
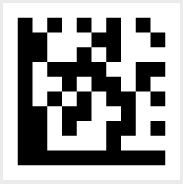
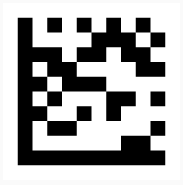
Table 5 – continued from previous page

Hex	Dec	ASCII	Parameter Barcode
7A	122	z	
7B	123	{	
7C	124	|	
7D	125	}	
7E	126	~	
7F	127	Delete	

8.3 Function Keys

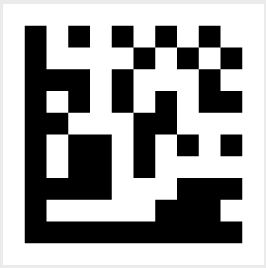
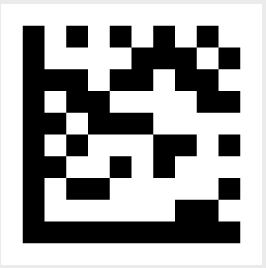
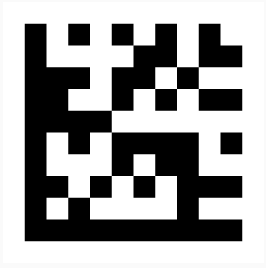
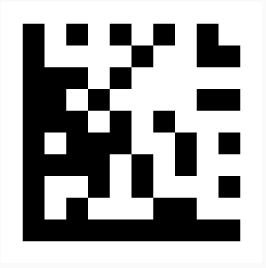
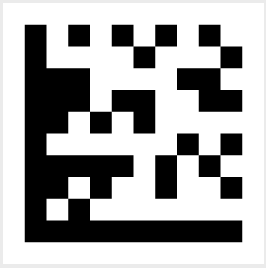
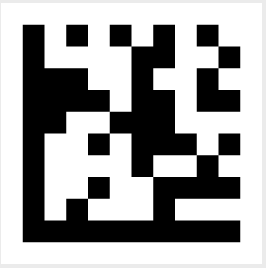
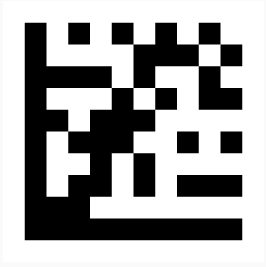
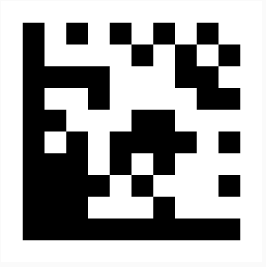
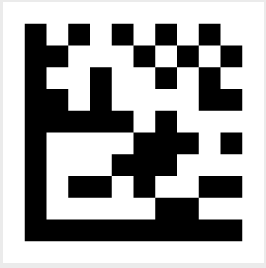
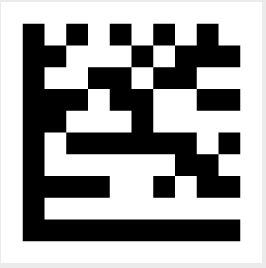
Key	Parameter Barcode	Key	Parameter Barcode
Insert		Delete	
Home		End	
Up Arrow		Down Arrow	
Left Arrow		Right Arrow	
Shift		ESC	

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Table 6 – continued from previous page

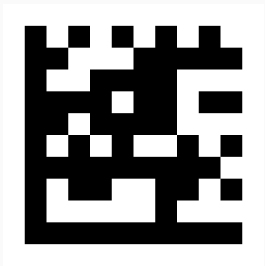
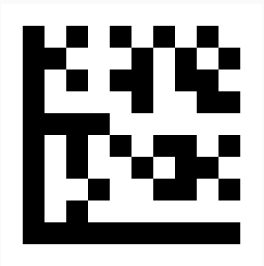
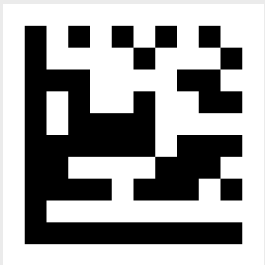
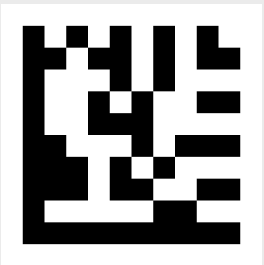
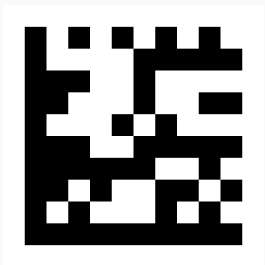
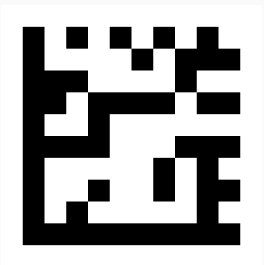
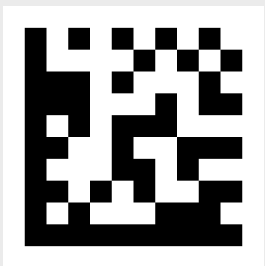
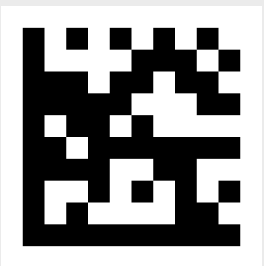
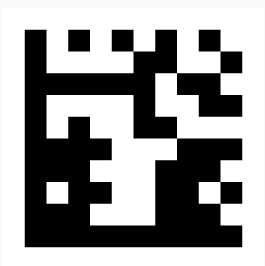
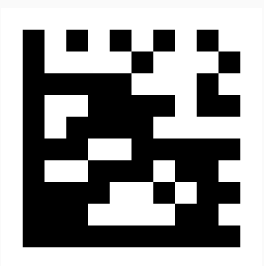
Key	Parameter Barcode	Key	Parameter Barcode
Page Up		Page Down	
F1		F2	
F3		F4	
F5		F6	
F7		F8	

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Table 6 – continued from previous page

Key	Parameter Barcode	Key	Parameter Barcode
F9		F10	
F11		F12	