Omnidirectional Barcode Scanner User Manual

Enter/Exit Programming Mode

(This barcode is also found at back of cover page)

★=Default Value

CONTENTS

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Responsibility Clause

We are not responsibility for errors, omissions and variation without notice.

Change the Scanner Setting

In order to change the scanner setting, please follow the steps below:

1. Scan the Enter/Exit Programming Mode barcode. There will be 2 beeps (low-high) indicating ready to make settings.
2. Scan barcodes for the desired feature (1 beep)
3. Scan the Enter/Exit Programming Mode barcode again to save the configuration. There will be 2 beeps (long---short) indicating a successful setting.

After reading a valid barcode in programming mode, the scanner will give a high beep.

System Setting

Reset

Reading of "Reset" barcode turns all parameters back to default values, and the scanner remains in the last interface set when it is reset.

Reset (Return to factory default)

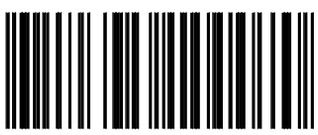
Abort

Reading of "Abort" barcode discards all the parameters read prior to scan the "Enter/Exit of Programming Mode".

Abort (Exit programming without saving)

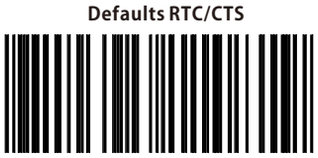
Return to Customer Default

Return to customer default



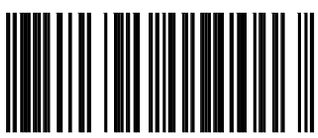
Defaults RTC/CTS

Defaults RTC/CTS



Volume Setting

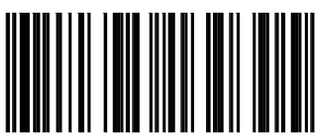
Speaker frequency



Speaker volume

Sleep Timeouts Selection

Sleep mode Off



Sleep mode after 10 minutes

Sleep mode after 30 minutes

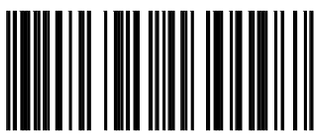
Sleep mode after 60 minutes

Sleep mode after 15 seconds
(Test purposes only)

Sleep mode after 30 seconds
(Test purposes only)

Same Code Delay Time

Same code delay 50 msec



Same code delay 100 msec

Same code delay 200 msec

Same code delay 300 msec

Same code delay 400 msec

Same code delay 500 msec

Same code delay 600 msec

Same code delay 700 msec

Same code delay 800 msec

Code sample period 50 msec

Code sample period 100 msec

Code sample period 200 msec

Blank time 0 msec

Blank time 50 msec

Blank time 100 msec

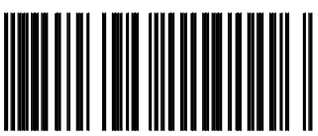
Blank time 150 msec

Blank time 200 msec

Parity Check

Parity None

Parity Even



Parity Odd

Parity Mark

Parity Space

Baud Rate

Baud rate 300

Baud rate 1200

Baud rate 2400

Baud rate 4800

Baud rate 9600

Baud rate 19200

Baud rate 38400

Baud rate 600

Data bits

RS-232 select 7 databits

RS-232 select 8 databits

Stop bits

1 Stop bits

2 Stop bits

RTS/CTS On

RTS/CTS Off

Keyboard wedge terminal type XT

Keyboard wedge terminal type AT

Keyboard wedge terminal type AT PS2

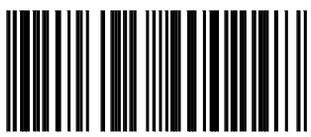
Language

Keyboard wedge
International Keyboard (ALT)

Keyboard wedge language = US

Keyboard wedge language = french

German



Case Conversion

Keyboard wedge CapsLock switched Off

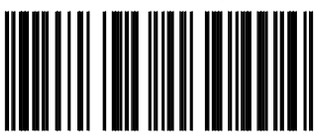
Keyboard wedge CapsLock switched On

Keyboard wedge, leading zero's OFF at Alt method

Keyboard wedge, leading zero's ON at Alt method

KBW Intercharacter delay time

KBW intercharacter delay 0 msec



KBW intercharacter delay 1 msec

KBW intercharacter delay 2 msec

KBW intercharacter delay 5 msec

KBW intercharacter delay 10 msec

KBW intercharacter delay 20 msec

KBW intercharacter delay 50 msec

KBW intercharacter delay 100 msec

KBW intercharacter delay 200 msec

USB Interface Setting

USB keyboard emulation

USB IBM fixed POS scanner

USB IBM handheld scanner emulation

USB Comport emulation

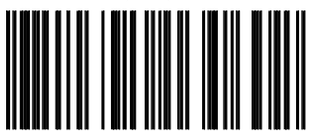
Enable DTR check
(USB comport emulation only)

Disable DTR Check
(USB comport emulation only)

Enable RTS Check
(USB comport emulation only)

Disable RTS Check
(USB comport emulation only)

Interface (OCIA) time out ON



Interface (OCIA) time out OFF

RS-232 Preset

RS-232 Preset 1

RS-232 Preset 2

RS-232 Preset 3

RS-232 Preset 4

RS-232 Preset 5

RS-232 Preset 6

RS-232 Preset 7

OCIA Preset

OCIA preset 1

OCIA preset 2

OCIA preset 3

OCIA preset 4

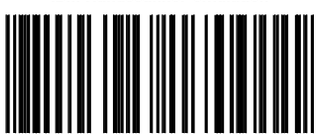
OCIA byte format EAN/UPC DTS, Indu

OCIA byte format EAN/UPC NCR short, no Indu

OCIA byte format EAN/UPC/Indu NCR long

IBM Point Of Sale scanner

IBM Handscanner emulation



Decoding Parameters

EAN/UPC (AddOn Off) On

EAN/UPC/AddOn Off

EAN/UPC + AddOn

EAN/UPC + AddOn mandatory

EAN/UPC + AddOn mand. For 379 /434/439/529/977, opt. for others

EAN/UPC + AddOn mand. for 379 /434/439/529/977, not for others

AddOn5 only on
(AddOns must be selected)

AddOn5 only Off
(AddOns must be selected)

Price check digit verify Off (EAN13)

Price checkdigit verify,
4 digits price field (EAN13/UPCA)

Price checkdigit verify,
5 digits price field (EAN13/UPCA)

Code 128/EAN 128 On

Code 128/EAN 128 Off

Code 39 On

Code 39 full ASCII On

Code 32 On

Code 39/Code 32 Off

Codabar On

Codabar Off

Interleaved 2/5 On

Interleaved 2/5 Off

MSI Plessey On

MSI Plessey Off

Code 93 On

Code 93 Off

ISBN On

ISBN Off

ISSN numbers On

ISSN numbers Off

Setting a fixed length

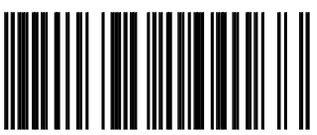
Setting minimum length Code 128

Setting minimum length Code 39

Setting minimum length Codabar

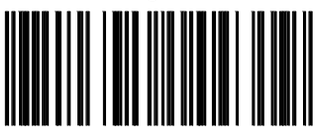
Setting minimum length Interleaved 2/5

Setting minimum length MSI Plessey



Setting minimum length Code 93

Set fixed length 1 Code 128



Set fixed length 2 Code 128

Set fixed length 1 Code 39

Set fixed length 1 Codabar

Set fixed length 2 Code 39

Set fixed length 2 Codabar

Set fixed length 1 Interleaved 2/5

Set fixed length 2 Interleaved 2/5

Set fixed length 1 MSI Plessey

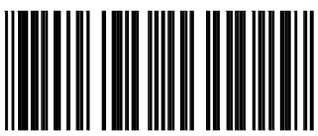
Set fixed length 2 MSI Plessey

Set fixed length 1 Code 93

Set fixed length 2 Code 93

Length Setting

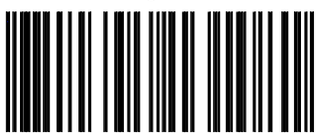
Length = 2



Length = 4

Length = 6

Length = 8



Length = 10

Length = 12

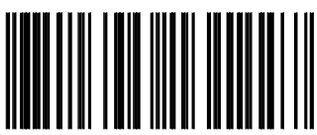
Length = 14

Length = 16

Length = 18

Length = 20

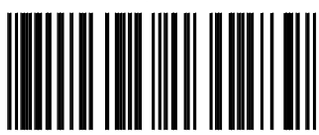
Length = 22



Length = 24

Length = 26

Length = 28

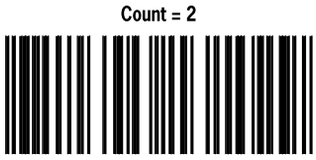


Length = 30

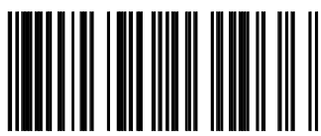
Count Setting

Count = 1

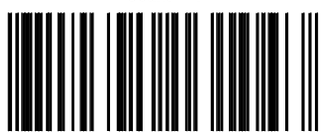
Count = 2



Count = 3



Count = 4



Code Representation

Data formatting

Open/close without update
programming mode preambles

Exit programming mode preambles
with update

Postamble = CR

Postamble = LF

Postamble = CR + LF

Postamble = free format

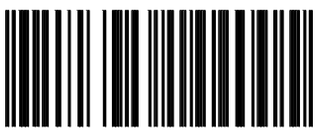
Open/close without update programming mode postambles

Close programming mode postambles with update

Set message format with code identifiers

Set message format without code identifiers

Setting identifier EAN13

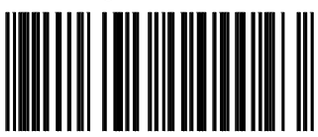


Setting identifier EAN8

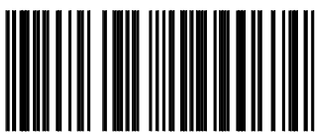
Setting identifier UPCA

Setting identifier UPCE

Setting identifier EAN 128



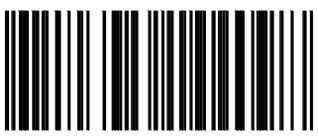
Setting identifier Code 128



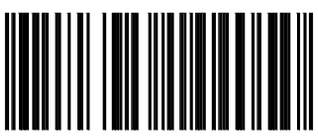
Setting identifier Code 39

Setting identifier Code 32

Setting identifier Codabar



Setting identifier Interleaved 2/5

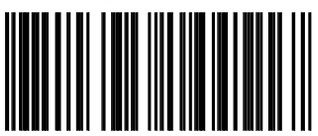


Exit programming free prog identif.
With update

Exit programming free prog ident.
Without update

Setting identifier MSI Plessey

Setting identifier Code 93



Control Codes

Define control character Enable

Define control character Disable

Define control character Reset

Define control character Beep

Define control character Wait
(forced to sleepmode)

Define control character Active
(forced from sleepmode)

Code Representation

Verification Modulo 10 and 11 at
MSI Plessey Check Digits

Transmission Check Digit at
MSI Plessey OFF

Transmission one MSI Plessey
Check Digit

Transmission two MSI Plessey Check Digits

Transmission Check Digit at ISBN OFF

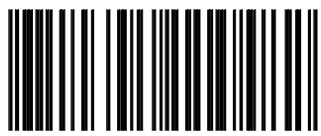
Transmission Check Digit at ISBN ON

Transmission Check Digit at ISSN numbers OFF

Transmission Check Digit at ISSN numbers ON

Decoding Parameters

Add On format without separtor



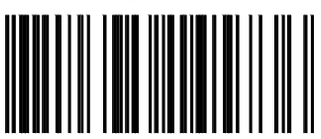
Add On format with separtor

Do not transmit start/stop Code 39

Transmit start/stop Code 39

Do not transmit start/stop Codabar

Transmit start/stop uppercase Codabar



Transmit start/stop lowercase
Codabar

Code Representation

UPCA format transmitted as UPCA
(12 digits)

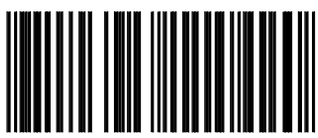
UPCA format transmitted as EAN13
(with leading zero)

UPCE format UPCE to UPCA expansion : ON

UPCE format UPCE to UPCA expansion : OFF

UPCE format with leading zero

UPCE format without leading zero



UPCE format with check digit

UPCE format without check digit

Code 128/EAN 128 send FNC1 as]C1

Code 128/EAN 128 do not send FNC1 as]C1

Transmit printable characters only

Transmit printable and non-printable characters

Transmit code length at non EAN codes : Off

Transmit code length On

Transmit EAN8 checkdigit On

Transmit EAN8 checkdigit Off

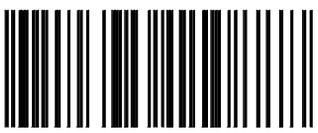
Transmit EAN13 checkdigit On

Transmit EAN13 checkdigit Off

Transmit UPCA checkdigit On

Transmit UPCA checkdigit Off

Expand EAN8 to UPCA On



Expand EAN8 to UPCA Off

Transmit first digit UPCA Off

Transmit first digit UPCA On

Transmission Check Character at Code 39 OFF

Transmission Check Character at Code 39 On

Verification Check Character at Code 39 OFF

Verification Check Character at Code 39 ON

Transmission Check Character at Codebar OFF

Transmission Check Character at Codebar ON

Verification Check Character at Codebar OFF

Verification Check Character at Codebar ON

Transmission Check Character at Interleaved 2/5 OFF

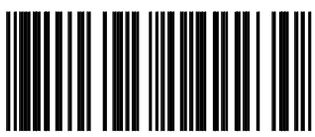
Transmission Check Character at Interleaved 2/5 ON

Verification Check Character at Interleaved 2/5 OFF

Verification Check Character at Interleaved 2/5 ON

Verification MSI Plessey Check Digit OFF

Verification modulo 10
MSI Plessey Check Digit

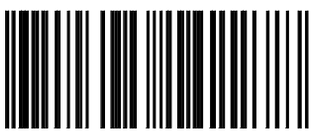


Verification double modulo 10
MSI Plessey Check Digit

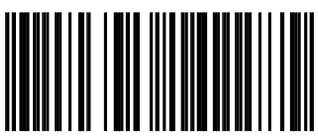
Verification modulo 11
MSI Plessey Check Digit

Verification Modulo 10 and 11 at MSI Plessey Check Digits

Transmission Check Digit at MSI Plessey OFF



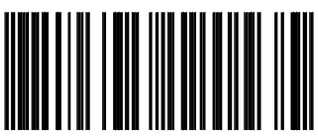
Transmission one MSI Plessey Check Digit



Transmission two MSI Plessey Check Digits

Transmission Check Digit at ISBN OFF

Transmission Check Digit at ISBN ON

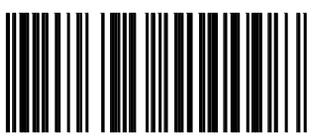


Transmission Check Digit at ISSN numbers OFF

Transmission Check Digit at ISSN numbers ON

Aux.Codes

Handheld scanner connection Off



Handheld scanner connection On

Shuttle SG-15 Codes

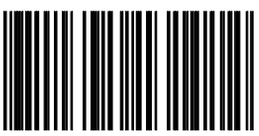
SG-15 Macro code
(Omni directional only)

This macro programming bar code will set the following parameters:

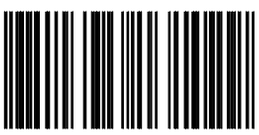
RS-232:	9600, 8, N, 1, No RTS/CTS		
Beeper:	Off	Sleepmode:	Off
Postamble:	CR	Scanner LED's:	Off
Code ID:	On		

ASCII Characters

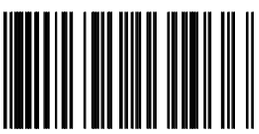
SOH



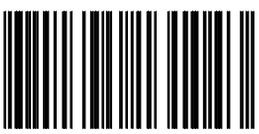
STX



ETX

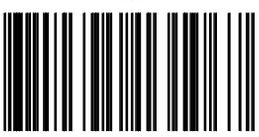


EOT

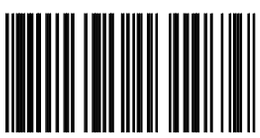


ENQ

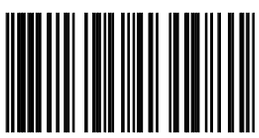
ACK



BEL



BS



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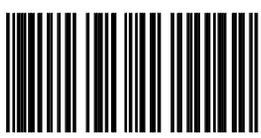

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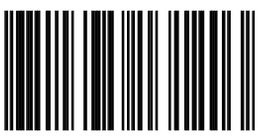

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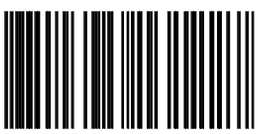

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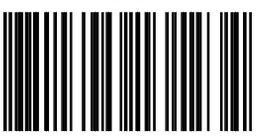

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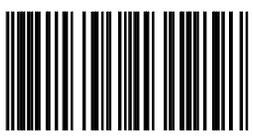

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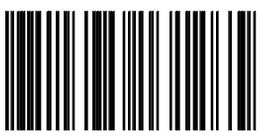

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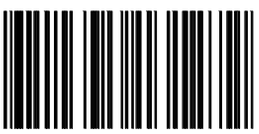

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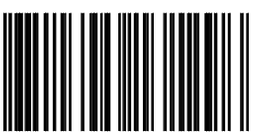

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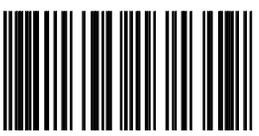

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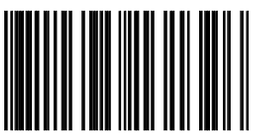

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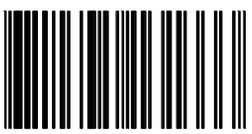

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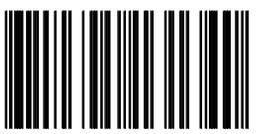

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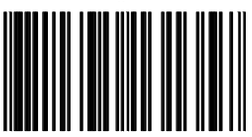

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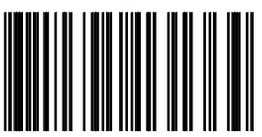

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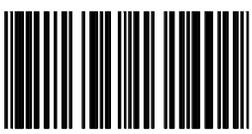

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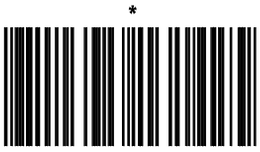

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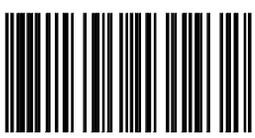

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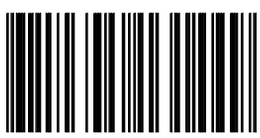

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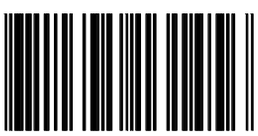

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Enter/Exit Programming Mode

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