

Wireless Linear CCD Barcode Scanner Programming Guide



MHT349



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Chapter 1: Getting Started

The Manhattan Wireless Linear CCD Barcode Scanner is an advanced and versatile decoding tool for barcoding systems. It works with a variety of bar code types, reading devices, and computer interfaces. In its default state, it can discern about 20 different symbologies.

Barcode Overview and Scanning Procedure

Manual scanning mode:

1. Press and hold the trigger button.
2. Position the center of the codes under the light, and move the scanner between the codes to find the best scanning distance.
3. Decoding (reading) is complete when the buzzer sounds and the lights turn off. Codes are transmitted to the host.

Note: Find and maintain the right reading distance from the same types of barcodes to increase scanning success.

Scanner Parameters

Physical Parameters

Parameter	Value
Weight—Scanner/Cradle	0.2 kg (0.44 lbs.) / 0.1 kg (0.22 lbs.)
Device Dimensions — Scanner/ Cradle	18.3 x 9 x 7 cm (7 x 3.5 x 2.76 in.) / 19 x 9.5 x 4 cm (7.5 x 3.7 x 1.6 in.)
Material	ABS and rubber
Color	Black
Interface	RJ45 to RS232/Wireless
Scanning Mode	Trigger mode
Battery type	Li-ion battery 1100 mAh
Power Supply	USB/RJ45

Performance Parameters

Parameter	Value
Reading Indicator	Tone and LED
Decode Capability	UPC/EAN/JAN, EAN128 Code, Code 39, Code 39 Full ASCII, Code 32/Italian Pharmacy, Code 128, Codabar/MW7, Interleave 25, Industrial 25, MSI/PLESSEY, Telepan, Code 93, Code 11, China Postage, GS1 DataBar (RSS code), Code 26, LCD25
Reads per charge	8,000 (continuous)
Wireless Range	80 m (264 ft., line of sight)

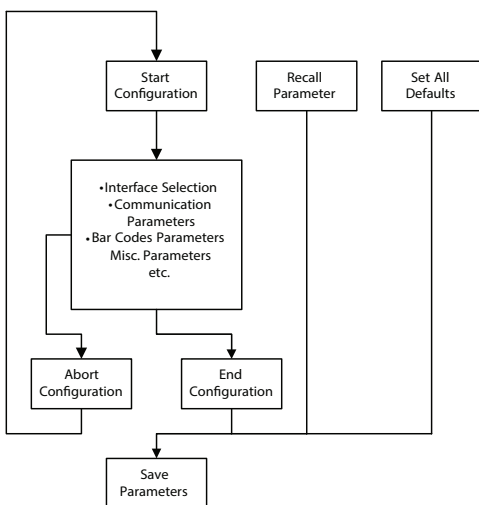


User Environment

Environment	Value
Operating Temperature	0 to 50°C (32 – 122°F)
Storage Temperature	-20 to 60°C (-4 – 140°F)
Relative Humidity	20% to 95% (non-condensing)

Chapter 2: Scanner Configuration Overview Flow Chart and Instructions

1. Scan the Start Configuration barcode.
2. Scan all necessary barcodes for settings you want to enable.
3. Scan End of Configuration to end the programming.
4. Permanently save the settings you programmed by scanning the “Save Parameters” barcode.
5. To go back to the Default Settings, scan the “Set All Defaults” barcode



Factory Defaults & Custom Settings

The factory default settings are shown with < > in the following sections. Users can create customized settings by following the procedures described in later chapters. To save settings permanently, scan the barcode called “Save Parameters”; otherwise, the settings will not be saved after the decoder is powered off. By scanning “Set All Defaults” barcode, the settings will go back to the factory default settings.



Chapter 3: Getting Connected

The cradle acts both as a charger for the scanner and, if programmed to do so, can be a direct link to report the data from scanned barcodes. To charge the scanner, place it on the cradle.

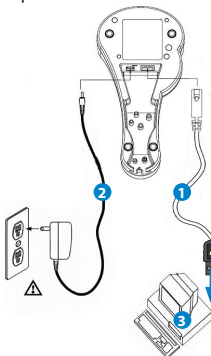
Before First Use:

- Charge the scanner for a full eight (8) hours.
 - A red LED means the scanner is charging.
 - A green LED means the scanner is fully charged.
- A red LED and beeper mean the scanner needs to be charged.

Set up the Cradle

Only one cradle can be paired to a scanner at a time.

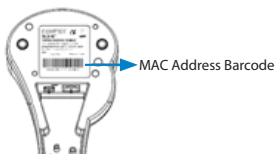
1. Connect the USB to RJ45 cable from your computer to the cradle.
2. Connect the power adapter from a power source to the input jack into the cradle.
3. Turn on your computer.



Pair the Cradle to the Scanner

If paired, the cradle sends scanned data to the computer via cable.

- When the scanner begins the pairing process, it beeps three short times. A blue LED blinks and a long beep will follow. The blue LED flashes slowly.
 - The connection process is complete in about five seconds.
 - A continuously lit blue LED means the pairing was successful.
 - A blue LED on the scanner and a blinking blue LED on the cradle means the pairing failed.
1. Scan the Start Configuration barcode that follows.
 2. Scan the "SPP Master Mode" barcode.
 2. Scan the MAC Address Barcode on the bottom of the cradle (as shown below).
 3. Scan the End Configuration barcode.



**Start Configuration****SPP Master Mode****End Configuration****Note**

- To pair another scanner to the cradle, use that scanner to scan the MAC Address Barcode on the cradle. The first scanner's connection will be interrupted, and the second scanner should connect.

Pair the Scanner to Another Device

On your device, open the application that allows you to wirelessly pair electronic devices.

Choose one of the methods described below to pair your device.

Emulating a Serial Connection

1. Scan the Start Configuration barcode above.
2. Scan the SPP Replica barcode below.
3. When prompted, enter the pin (default: 00:00:00).
4. When pairing is successful, the blue LED blinks and is followed by a long beep. The blue LED flashes slowly while it finishes setup.
5. Scan the End Configuration barcode above.

SPP Replica Mode**Emulating a USB Connection**

1. Scan the Start Configuration barcode above.
2. Scan the HID Replica barcode below.
3. When prompted, scan the barcodes in the Appendix that reflect the pin.

HID Replica Mode



Chapter 4: Scanner Configuration

Main Settings

With the basics of the flow chart from chapter 2 in mind, use the following codes to configure the scanner.

Save Parameters

The parameter settings will be saved permanently.



Recall Stored Parameters

Replace the current parameters by the parameters you saved last time.



Set All Defaults

Set all the parameters to the factory default settings.



Start Configuration

Enter the configuration mode.



End Configuration

Exit the configuration mode.



Abort Configuration

Terminate current programming status.



Version Information

Display the decoder version information and date code.





Chapter 5: Interface and Data Retention

Interface Selection

Keyboard Mode



RS232 Mode



WAND Emulation



OCIA Mode



<USB Mode>



Inventory Function

This function allows the scanner to retain barcode data in the scanner's memory for uploading at a convenient time. Up to 30,000 barcodes (EAN13-size) can be stored.

<Enable>



Disable



Upload Data



Delete Data



Delete Last Scan



Out of Range Function

This function allows the scanner to retain barcode data when it is out of scanning range. It will upload the data once it reconnects.

<Enable>



Disable





Reading Selection Mode

<Good Read OFF>



Trigger ON/OFF



Continuous/Trigger OFF



Testing



Continuous/Auto Power On



Flash



Flash/Auto Power On



Reserved 1



Reserved 2



Reserved 3



Reserved 4



Reserved 5





Chapter 6: Communication Parameters

Serial Mode Parameters

Set up Baud Rate

600



%0Y70

1200



%0Y71

2400



%0Y72

4800



%0Y73

<9600>



%0Y77

19200



%0Y74

38400



%0Y75

Set up Data Bits

7 Data Bits



%0Y80

<8 Data Bits>



%0Y88

Set up Stop Bits

<1 Bit>



%0Y08

2 Bits



%0Y00



Set Up Parity

<None>



%0YN7

Even



%0YN2

Odd



%0YN3

Mark



%0YN1

Space



%0YN0

Handshaking

RTS/CTS Enable



%018 8

<RTS/CTS Disable>



%018 0

ACK/NAK Enable



%014 4

<ACK/NAK Disable>



%014 0

XON/XOFF Enable



%03K 4

<XON/OFF Disable>



%03K 0



Keyboard Wedge Mode Parameters

Terminal Type

<IBM PC/AT, PS/2>



%0ZF0

IBM PS/2 25, 30



%0ZF2

Apple Desktop Bus (ADB)



%0ZF4

IBM 122 Key (1)



%0ZF6

IBM 122 Key (2)



%0ZF8

Reserved 2



%0ZFA

Reserved 4



%0ZFC

IBM PC/XT



%0ZF1

NEC 9800



%0ZF3

IBM 5500



%0ZF5

IBM 102 Key



%0ZF7

Reserved 1



%0ZF9

Reserved 3



%0ZFB

Reserved 5



%0ZFD



Upper/Lower Case

<No Change>



%0330

Upper Case



%0331

Lower Case



%0332

Send Character by ALT Method

Enable



%0308

<Disable>



%0300

Select Numerical Pad

ON



%01K4

<OFF>



%01K0

Capslock Detection

Enable



%0X88

<Disable>



%0X80



Output Characters Parameters

Select Terminator

<CR + LF>



%7S2+

None



%7S7+

CR



%7S0+

LF



%7S1+

Space



%7S4+

HT (TAB)



%7S3+

STX-ETX



%7S5+

Time-out Between Characters

<0 ms>



%0070

5 ms



%0071

10 ms



%0072

25 ms



%0073



50 ms



100 ms



200 ms



300 ms



Wand Emulation Mode Parameters

TTL Level Representation

<Bar Equals High>



Bar Equals Low



Scan Speed Selection

<Fast>



Slow



Output Format Selection

<Output as Code 39>



Output as Code 39 Full
ASCII



Output as Original Code
Format





Chapter 7: Barcode Types

Symbologies Selection

UPC-A <ON>



%0074

OFF



%0A40

UPC-E <ON>



%0B08

OFF



%0B00

EAN-13/JAN-13(ISBN13) <ON>



%0A22

OFF



%0A20

EAN-8/JAN-8 <ON>



%0A11

OFF



%0A10

CODE 39 <ON>



%0E08

OFF



%0E00

CODE 128 <ON>



%0F08

OFF



%0F00

CODABAR/NW7 <ON>



%0J08

OFF



%0J00



Interleave 25 <ON>



%0GO8

<OFF>



%0GO0

Industrial 25 ON



%0HO8

<OFF>



%0HO0

Matrix 25 ON



%0IO8

<OFF>



%0IO0

CODE 93 ON



%0KO8

<OFF>



%0KO0

CODE 11 ON



%0LO8

<OFF>



%0LO0

China Postage ON



%0MO8

<OFF>



%0MO0

MSI/PLESSEY ON



%0NO8

<OFF>



%0NO0



CODE 93 ON



%0PO8

<OFF>



%0PO0

Telepen ON



%0TO8

<OFF>



%0TO0

Reserved4 ON



%0QO8

<OFF>



%0QO0

Reserved5 ON



%0RO8

<OFF>



%0RO0

Reserved6 ON



%0SO8

<OFF>



%0SO0

LDC25 ON



%0QO8

<OFF>



%0QO0



RSS-14 ON



%0UO8

RSS-14 OFF



%0UO0

RSS Limit ON



%0VO8

RSS Limit OFF



%0VO0

RSS Expanded ON



%0WO8

RSS Expanded OFF



%0WO0

Select All Bar Codes



%1A/ +

UPC/EAN/Jan Parameters

Reading Type

UPCA=EAN13 ON



%0AK4

UPCA=EAN13 <OFF>



%0AK0

ISBN-10 Enable



%0B88

ISBN-13 Enable



%0B80



ISSN Enable



%0B44

ISSN <Disable>



%0B40

Decode with
Supplement



%0100

<Autodiscriminate
Supplement



%0108

UPC-E Enable



%0BH1

UPC-E Disable



%0BH0

EAN8—>EAN13 Enable



%0A08

EAN8—>EAN13 Disable



%0A00

GTIN Format Enable



%0X44

GTIN Format Disable



%0X40

Supplemental Set Up

<No Transmission>



%0B33

Transmit 2 Code



%0B31



Transmit 5 Code



%0B32

UPC-A Check Digit
Transmission <ON>



%0A12

UPC-E Check Digit
Transmission <ON>



%0B12

EAN-8 Check Digit
Transmission <ON>



%0A88

EAN-13 Check Digit
Transmission <ON>



%0AH1

ISSN Check Digit
Transmission <ON>



%0BK4

Transmit 2&5 Code



%0B30

OFF



%0A10

OFF



%0B10

OFF



%0A80

OFF



%0AH0

OFF



%0BK0



Code 39 Parameters

Supplemental Set Up

<Standard>



%0EH1

Italian Pharmacy/Code 32
<OFF>



%0E80

Full ASCII



%0EH0

Italian Pharmacy/
Code 32 <OFF>



%0E88

Check-Digit Transmission

<Do Not Calculate
Check Digit>



%0EM2

Calculate Check Digit
but Do Not Transmit



%0EM4

Calculate Check Digit
& Transmit



%0EM6

Output Start/Stop Character

Enable



%0E44

<Disable>



%0E40

Decode Asterisk

Enable



%0E22

<Disable>



%0E20



Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%4E1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4E00

2. Scan Decimal Value (Appendix A)

3. Complete 1st Set



%4E01

1. Begin 2nd Set



%4E00

2. Scan Decimal Value (Appendix A)

3. Complete 2nd Set



%4E02

Minimum Length

1. Begin



%2+/-

2. Scan Decimal Value (Appendix A)

3. Complete



%2C0+

Code 128 Parameters

Reading Type

UCC/EAN-128 Enable



%4E44

<UCC/EAN-128 Disable>



%4E40



Check-Digit Transmission

Do Not Calculate
Check Digit



%0FN1

Calculate Check Digit
& Transmit



%0FN7

<Calculate Check Digit
but Do Not Transmit>



%0FN5

Append FNC2

ON



%0F88

<OFF>



%0F80

Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%4F1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4F00

2. Scan Decimal Value
(Appendix A)

3. Complete 1st Set



%4F01



1. Begin 2nd Set



%4F00

2. Scan Decimal Value
(Appendix A)

3. Complete 2nd Set



%4F02

Minimum Length

1. Begin



%2+/-

2. Scan Decimal Value
(Appendix A)

3. Complete



%2C1+

Interleave 25 Parameters

Check-Digit Transmission

<Do Not Calculate
Check Digit>



%0GN3

Calculate Check Digit
& Transmit



%0GN7

<Calculate Check Digit
but Do Not Transmit>



%0GN5

Set Up Number of Characters

<Even>



%0G88

Odd



%0G80

Brazilian Banking Code

<Disable>



%0G40

Enable



%0G44



Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%4G1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4G00

2. Scan Decimal Value
(Appendix A)

3. Complete 1st Set



%4F01

1. Begin 2nd Set



%4G00

2. Scan Decimal Value
(Appendix A)

3. Complete 2nd Set



%4G01

Minimum Length

1. Begin



%2+/-

2. Scan Decimal Value
(Appendix A)

3. Complete



%2C2

Industrial Parameters

Reading Types

IATA25 Enable



%0H44

<Disable



%0H40



Check-Digit Transmission

<Do Not Calculate
Check Digit>



%0HN3

Calculate Check Digit
& Transmit



%0HN7

<Calculate Check Digit
but Do Not Transmit>



%0HN5

Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%4G1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4G00

2. Scan Decimal Value
(Appendix A)

3. Complete 1st Set



%4F01

1. Begin 2nd Set



%4G00

2. Scan Decimal Value
(Appendix A)

3. Complete 2nd Set



%4G01

Minimum Length

1. Begin



%2+/-

2. Scan Decimal Value
(Appendix A)

3. Complete



%2C2



Matrix 25 Parameters

Check Digit Transmission

<Do Not Calculate
Check Digit>



%01N3

<Calculate Check Digit
but Do Not Transmit>



%01N5

Calculate Check Digit
& Transmit



%01N7

Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%4I1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4I00

2. Scan Decimal Value
(Appendix A)

3. Complete 1st Set



%4I01

1. Begin 2nd Set



%4I00

2. Scan Decimal Value
(Appendix A)

3. Complete 2nd Set



%4I02

Minimum Length

1. Begin



%2+/-

2. Scan Decimal Value
(Appendix A)

3. Complete



%2C2



Codabar/NW7 Parameters

Set Up Start/Stop upon Transmission

ON



<OFF>



Transmission Type of Start/Stop

<A/B/C/D><Start>



<A/B/C/D><Stop>



A Start



A Stop



B Start



B Stop



C Start



C Stop



D Start



D Stop





Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%4J1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4J00

2. Scan Decimal Value (Appendix A)

3. Complete 1st Set



%4J01

1. Begin 2nd Set



%4J00

2. Scan Decimal Value (Appendix A)

3. Complete 2nd Set



%4J02

Minimum Length

1. Begin



%2+/-

2. Scan Decimal Value (Appendix A)

3. Complete



%2C5+

Code 93 Parameters

Check Digit Transmission

<Calculate Check 2 Digits
but Do Not Transmit>



%0KN4

Do Not Calculate
Check Digit



%0KN3



Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%4K1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4K00

2. Scan Decimal Value (Appendix A)

3. Complete 1st Set



%4K01

1. Begin 2nd Set



%4K00

2. Scan Decimal Value (Appendix A)

3. Complete 2nd Set



%4K02

Minimum Length

1. Begin



%2+/-

2. Scan Decimal Value (Appendix A)

3. Complete



%2C6

Code 11 Parameters

Check Digit Transmission

Do Not Calculate

Check Digit



%0LN3

<Calculate Check 1 Digit and Transmit>



%0LN7



Calculate Check 1 Digit
but Do Not Transmit>



%0LN5

Calculate Check 2 Digits
but Do Not Transmit



%0LN4

Calculate Check 2 Digits
and Transmit



%0LN6

Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%4L1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4L00

2. Scan Decimal Value
(Appendix A)

3. Complete 1st Set



%4L01

1. Begin 2nd Set



%4L00

2. Scan Decimal Value
(Appendix A)

3. Complete 2nd Set



%4L02

Minimum Length

1. Begin



%2+/-

2. Scan Decimal Value
(Appendix A)

3. Complete



%2C7+



MSI / Plessey Code Parameters

Check Digit Transmission

<Do Not Calculate

Check Digit>



%0NN3

Calculate Check Digit
but Do Not Transmit



%0NN5

Calculate Check Digit
& Transmit



%0NN7

Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%4N1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4N00

2. Scan Decimal Value
(Appendix A)

3. Complete 1st Set



%4N01

1. Begin 2nd Set



%4N00

2. Scan Decimal Value
(Appendix A)

3. Complete 2nd Set



%4N02

Minimum Length

1. Begin



%2+/-

2. Scan Decimal Value
(Appendix A)

3. Complete



%2C9+



Code 2 of 6 Parameters

Check Digit Transmission

<Do Not Calculate
Check Digit>



%0PN3

Calculate Check Digit
but Do Not Transmit



%0PN5

Calculate Check Digit
& Transmit



%0PN7

Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%0P1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4P00

2. Scan Decimal Value
(Appendix A)

3. Complete 1st Set



%4P01

1. Begin 2nd Set



%4P00

2. Scan Decimal Value
(Appendix A)

3. Complete 2nd Set



%4P02

Minimum Length

1. Begin



%2+-/

2. Scan Decimal Value
(Appendix A)

3. Complete



%2CB+



Telepen Parameters

Type of Code

<Telepen ASCII>



%0PN3

Telepen Numeric



%0188

Check Digit Transmission

Do Not Calculate
Check Digit



%0PN3

<Calculate Check Digit
but Do Not Transmit>



%0PN5

Calculate Check Digit
& Transmit



%0PN7

Set Up Code Length

Follow the steps below to set a fixed length:

1. Scan the barcode containing "Begin" for the desired set.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent the length to be read.
3. Scan the barcode containing "Complete" for the desired set.

Repeat steps one through three to set additional lengths.

<Variable>



%4T1+

Fix Length (Two Sets Available)

1. Begin 1st Set



%4T00

2. Scan Decimal Value
(Appendix A)

3. Complete 1st Set



%4T01

1. Begin 2nd Set



%4T00

2. Scan Decimal Value
(Appendix A)

3. Complete 2nd Set



%4T02



Minimum Length

1. Begin



%2+/-

2. Scan Decimal Value
(Appendix A)

3. Complete



%2CF+

GS1 Data bar

RSS-14 Parameters

<Transmit RSS-14
Check Digit>



%0UN7

Do Not Transmit RSS-14
Check Digit



%0UN5

Transmit RSS-14
Application ID



%0U88

Do Not Transmit RSS-14
Application ID



%0U80

Transmit RSS-14
Symbology ID



%0U44

Do Not Transmit RSS-14
Symbology ID



%0U40

RSS Limit Parameters

<RSS Limit — Transmit
Check Digit>



%0VN7

RSS Limit — Do Not
Transmit Check Digit



%0VN5

Transmit RSS Limit
Application ID



%0V88

Do Not Transmit RSS
Limit Application ID



%0V80



Transmit RSS Limit
Symbology ID



%0V44

<Do Not Transmit RSS
Limit Symbology ID>



%0V40

RSS Expanded Parameters

Transmit RSS Expanded
Symbology ID



%0W44

<Do Not Transmit RSS
Expanded Symbology ID>



%0W44



Chapter 8: Miscellaneous Parameters

Language Selection

<US English>



%0ZV0

UK English



%0ZV1

Italiano



%0ZV2

Español



%0ZV3

Français



%0ZV4

Deutsch



%0ZV5

Svenska



%0ZV6

Suisse



%0ZV7

Magyar



%0ZV8

Japanese



%0ZV9



Belge/Belgier/ Belgisch



%0ZV0

Português



%0ZV0

Dansk



%0ZV0

Nederlands



%0ZV0

Türk



%0ZV0

Reserved2



%0ZV0

Barcode ID Default IDs

ON



%00H1

<OFF>



%00H0

Default



%913+

With the Barcode ID function ON, the system adds a leading character to the output barcode string when a code is scanned. The following table shows barcode type by ID.

Code Type	ID	Code Type	ID
UPC-A	A	UPC-E	B
EAN-8	C	EAN-13	D
CODE 39	E	CODE 128	F
Interleave 25	G	Industrial 25	H
Matrix 25	I	Codabar/NW7	J
CODE 93	K	CODE 11	L
China Postage	M	MSI/PLESSEY	N
Code 2 of 6	P	LCD25	Q
Telepen	T	RSS-14	U
RSS Limit	V	RSS Expanded	W



User-Defined IDs

To set a unique barcode ID, scan the barcode for the symbology you want to change (see below). Then, scan the ASCII code in Appendix B that represents the desired code ID.

NOTE: A user-defined code ID will override a default value.

The system will not check for conflicts with other assigned codes. It is possible to have more than two symbologies that have the same code ID.

UPC-A



%91A+

UPC-E



%91B+

EAN-13/JAN-13



%91Y+

EAN-8/JAN-8



%91Z+

CODE 39



%91E+

CODE 128



%91F+

CODABAR/NW7



%91J+

Interleave 25



%91G+

Industrial 25



%91H+

Matrix 25



%91I+



CODE 93



%91K+

CODE 11



%91L+

China Postage



%91M+

MSI/PLESSEY



%91N+

BC412



%91O+

Telepen



%91T+

CODE 2 of 6



%91P+

RSS-14



%91U+

LCD 25



%91Q+

RSS Expanded



%91W+

RSS Limit



%91V+

Reserved 6



%91S+

Reserved 5



%91R+



Reading Level

Bar Equals High



%0312

<Bar Equals Low>



%0310

Accuracy

<One Time>



%0130

Two Times



%0131

Three Times



%0132

Four Times



%0133

Buzzer Tone

<High>



%01J3

Medium



%01J2

Low



%01J1

Off



%01J0

Indicator LED ON/OFF (SV700 only)

LED ON



%0908

LED OFF



%0900



Continuous-Reading-Mode Sensitivity Quick Setting

<Fast>



%0388

Slow



%0380

Same-Symbol Timeout

In Continuous/Flash reading mode, this function sets a delay for rescanning a barcode that is still in the scan field. Users can define values from 1 – 50 (100 ms to 5 seconds respectively, graded in 100 ms increments (default is 3 [0.3 s]).

To Set Up Timeouts

1. Scan the "Begin" barcode.
2. Refer to the Decimal Value Tables in Appendix A. Scan the label(s) that represent(s) the desired timeout duration, which range from 1 to 50.
3. Scan the "Complete" barcode.

1. Begin



%03000

2. Scan Decimal Value 1
– 50 (Appendix A)

3. Complete



%03001

Notebook Function

Enable



%0344

<Disable>



%0340

Reverse Output Characters

<Disable>



%03H0

Enable



%03H1



Output-Character Deletion

To Set Up Deletion of Output Characters

1. Scan the barcode of the desired set in the section titled "Select Deletion-Set Number" below.
2. Scan the barcode for the desired symbology in the section titled "Symbologies" below.
3. Refer to the Decimal Value Tables in Appendix A. Scan the barcode(s) that represent(s) the desired position to be deleted.
4. Scan the "Complete" barcode in the section titled "Character Position to Be Deleted" below.
5. In Appendix A, scan the barcode that represents the number of characters to be deleted.
6. Scan the "Complete" barcode in the section titled "Number of Characters to be Deleted" below.

Select Deletion-Set Number

First Set



%800+

Second Set



%801+

Third Set



%802+

Fourth Set



%803+

Fifth Set



%804+

Sixth Set



%805+

Symbologies

UPC-A



%81A+

UPC-E



%81B+



EAN-13/JAN-13



%81Y+

EAN-8/JAN-8



%81Z+

CODE 39



%81E+

CODE 128



%81F+

CODABAR/NW7



%81J+

Interleave 25



%81G+

Industrial 25



%81H+

Matrix 25



%81I+

CODE 93



%81K+

CODE 11



%81L+

China Postage



%81M+

MSI/PLESSEY



%81N+



CODE 2 of 6



%81P+

Telepen



%81T+

RSS-14



%81U+

LCD 25



%81Q+

RSS Expanded



%81W+

RSS Limit



%81V+

All Codes



%81S+

None



%814+

Character Position to Be Deleted

1. Decimal Value
(Appendix A)

2. Complete



%820+

Number of Characters to Be Deleted

1. Decimal Value
(Appendix A)

2. Complete



%830+

Setup Insertion

To Set Up Insertion of Output Characters

1. Scan the barcode of the desired set in the section titled "Select Insertion-Set Number" below.
2. Scan the barcode for the desired symbology in the section titled "Symbologies" below.
3. Refer to the Decimal Value Tables in Appendix A. Scan the barcode(s) that represent(s) the desired



position to be inserted.

4. Scan the "Complete" barcode in the section titled "Character Position to Be Inserted" below.
5. Refer to the ASCII tables in Appendix B or the Function Key tables in Appendix C and scan the barcode that represents the desired characters to be inserted.
6. Scan the "Complete" barcode in the section titled "Number of Characters to Be Inserted" below.

Select Deletion-Set Number

First Set



%500+

Second Set



%501+

Third Set



%502+

Fourth Set



%503+

Fifth Set



%504+

Sixth Set



%505+

Symbologies

UPC-A



%51A+

UPC-E



%51B+

EAN-13/JAN-13



%51Y+

EAN-8/JAN-8



%51Z+



CODE 39



%51E+

CODE 128



%51F+

CODABAR/NW7



%51J+

Interleave 25



%51G+

Industrial 25



%51H+

Matrix 25



%51I+

CODE 93



%51K+

CODE 11



%51L+

China Postage



%51M+

MSI/PLESSEY



%51N+

CODE 2 of 6



%51P+

Telepen



%51T+



RSS-14



%51U+

LCD 25



%51Q+

RSS Expanded



%51W+

RSS Limit



%51V+

All Codes



%51S+

None



%514+

Character Position to Be Inserted

1. Decimal Value
(Appendix A)

2. Complete



%520+

Characters to Be Inserted

1. Decimal Value
(Appendix A)

2. Complete



%530+

Set up IR Sensor (LG303 only)

<Disable>



%0XH0

Enable



%0XH1

Appendix A

Decimal Value Table

0



1



2



3



4



5



6



7



8



9





Appendix B

ASCII Table

NULL



00

ETX



03

ACK



06

HT



09

FF



0C

SI



0F

DC2



12

NAK



15

CAN



18

ESC



1B

RS



1E

STX



02

ENQ



05

BS



08

VT



0B

SO



0E

DC1



11

DC4



14

ETB



17

SUB



1A

GS



1D

SOH



01

EOT



04

BEL



07

LF



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CR



0D

DLE



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6E

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7D

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61

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64

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67

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6A

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6D

p



70

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76

y



79

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7C

DEL



7F



Appendix C

Function Key Table

F1



C0

F3



C2

F2



C1

F4



C3

F6



C5

F5



C4

F7



C6

F9



C8

F8



C7

F10



C9

F12



CB

F11



CA

Insert



CC

Delete



CD

Home



CE

Page Up



CF

Page Down



D0

End



D1

Left



D2

Right



D3

Up



D4

Down



D5



Main Settings

Use the following codes to configure the scanner.

Save Parameters

The parameter settings will be saved permanently.



Recall Stored Parameters

Replace the current parameters by the parameters you saved last time.



Set All Defaults

Set all the parameters to the factory default settings.



Start Configuration

Enter the configuration mode.



End Configuration

Exit the configuration mode.



Abort Configuration

Terminate current programming status.



Version Information

Display the decoder version information and date code.





WASTE ELECTRICAL & ELECTRONIC EQUIPMENT DISPOSAL OF ELECTRIC AND ELECTRONIC EQUIPMENT

(Applicable In The European Union And Other European Countries With
Separate Collection Systems)

ENGLISH: This symbol on the product or its packaging means that this product must not be treated as unsorted household waste. In accordance with EU Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE), this electrical product must be disposed of in accordance with the user's local regulations for electrical or electronic waste. Please dispose of this product by returning it to your local point of sale or recycling pickup point in your municipality.

DEUTSCH: Dieses auf dem Produkt oder der Verpackung angebrachte Symbol zeigt an, dass dieses Produkt nicht mit dem Hausmüll entsorgt werden darf. In Übereinstimmung mit der Richtlinie 2012/19/EU des Europäischen Parlaments und des Rates über Elektro- und Elektronik-Altgeräte (WEEE) darf dieses Elektrogerät nicht im normalen Hausmüll oder dem Gelben Sack entsorgt werden. Wenn Sie dieses Produkt entsorgen möchten, bringen Sie es bitte zur Verkaufsstelle zurück oder zum Recycling-Sammelpunkt Ihrer Gemeinde.

ESPAÑOL: Este símbolo en el producto o su embalaje indica que el producto no debe tratarse como residuo doméstico. De conformidad con la Directiva 2012/19/EU de la UE sobre residuos de aparatos eléctricos y electrónicos (RAEE), este producto eléctrico no puede desecharse se con el resto de residuos no clasificados. Deshágase de este producto devolviéndolo a su punto de venta o a un punto de recolección municipal para su reciclaje.

FRANÇAIS: Ce symbole sur le produit ou son emballage signifie que ce produit ne doit pas être traité comme un déchet ménager. Conformément à la Directive 2012/19/EU sur les déchets d'équipements électriques et électroniques (DEEE), ce produit électrique ne doit en aucun cas être mis au rebut sous forme de déchet municipal non trié. Veuillez vous débarrasser de ce produit en le renvoyant à son point de vente ou au point de ramassage local dans votre municipalité, à des fins de recyclage.

ITALIANO: Questo simbolo sul prodotto o sulla relativa confezione indica che il prodotto non va trattato come un rifiuto domestico. In ottemperanza alla Direttiva UE 2012/19/EU sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE), questa prodotto elettrico non deve essere smaltito come rifiuto municipale misto. Si prega di smaltire il prodotto riportandolo al punto vendita o al punto di raccolta municipale locale per un opportuno riciclaggio.

POLSKI: Jeśli na produkcie lub jego opakowaniu umieszczono ten symbol, wówczas w czasie utylizacji nie wolno wyrzucać tego produktu wraz z odpadami komunalnymi. Zgodnie z Dyrektywą Nr 2012/19/EU w sprawie zużytego sprzętu elektrycznego i elektronicznego (WEEE), niniejszego produktu elektrycznego nie wolno usuwać jako nie posortowanego odpadu komunalnego. Prosimy o usunięcie niniejszego produktu poprzez jego zwrot do punktu zakupu lub oddanie do miejscowego komunalnego punktu zbiórki odpadów przeznaczonych do recyklingu.

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manhattanproducts.com/t/warranty.

DEUTSCH: Garantieinformationen finden Sie unter
manhattanproducts.com/t/warranty.

ESPAÑOL: Si desea obtener información sobre la garantía, visite
manhattanproducts.com/t/warranty.

FRANÇAIS: Pour consulter les informations sur la garantie, visitez
manhattanproducts.com/t/warranty.

POLSKI: Informacje dotyczące gwarancji znajdują się na stronie
manhattanproducts.com/t/warranty.

ITALIANO: Per informazioni sulla garanzia, accedere a
manhattanproducts.com/t/warranty.

EN MÉXICO: Póliza de Garantía Manhattan — Datos del importador y responsable ante el consumidor

IC Intracom México, S.A.P.I. de C.V. • Av. Interceptor Poniente # 73, Col. Parque Industrial La Joya, Cuautitlán Izcalli, Estado de México, C.P. 54730, México. • Tel. (55)1500-4500

La presente garantía cubre los siguientes productos contra cualquier defecto de fabricación en sus materiales y mano de obra.

A. Garantizamos los productos de limpieza, aire comprimido y consumibles, por 60 días a partir de la fecha de entrega, o por el tiempo en que se agote totalmente su contenido por su propia función de uso, lo que suceda primero.

B. Garantizamos los productos con partes móviles por 3 años.

C. Garantizamos los demás productos por 5 años (productos sin partes móviles), bajo las siguientes condiciones:

1. Todos los productos a que se refiere esta garantía, ampara su cambio físico, sin ningún cargo para el consumidor.
2. El comercializador no tiene talleres de servicio, debido a que los productos que se garantizan no cuentan con reparaciones, ni refacciones, ya que su garantía es de cambio físico.
3. La garantía cubre exclusivamente aquellas partes, equipos o sub-ensambles que hayan sido instaladas de fábrica y no incluye en ningún caso el equipo adicional o cualesquiera que hayan sido adicionados al mismo por el usuario o distribuidor.

Para hacer efectiva esta garantía bastará con presentar el producto al distribuidor en el domicilio donde fue adquirido o en el domicilio de IC Intracom México, S.A.P.I. de C.V., junto con los accesorios contenidos en su empaque, acompañado de su póliza debidamente llenada y sellada por la casa vendedora (indispensable el sello y fecha de compra) donde lo adquirió, o bien, la factura o ticket de compra original donde se mencione claramente el modelo, número de serie (cuando aplique) y fecha de adquisición. Esta garantía no es válida en los siguientes casos: Si el producto se hubiese utilizado en condiciones distintas a las normales; si el producto no ha sido operado conforme a los instructivos de uso; o si el producto ha sido alterado o tratado de ser reparado por el consumidor o terceras personas.

REGULATORY STATEMENTS

FCC Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of Federal Communications Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: reorient or relocate the receiving antenna; increase the separation between the equipment and the receiver; connect the equipment to an outlet on a circuit different from the receiver; or consult the dealer or an experienced radio/TV technician for help.

CE

ENGLISH: This device complies with the requirements of CE RED 2014/53/EU, 2014/30/EU and/or 2014/35/EC. The Declaration of Conformity for is available at:

DEUTSCH: Dieses Gerät entspricht der CE RED 2014/53/EU, 2014/30/EU und / oder 2014/35/EC. Die Konformitätserklärung für dieses Produkt finden Sie unter:

ESPAÑOL: Este dispositivo cumple con los requerimientos de CE RED 2014/53/EU, 2014/30/EU y / o 2014/35/EC. La declaración de conformidad esta disponible en:

FRANÇAIS: Cet appareil satisfait aux exigences de CE RED 2014/53/EU, 2014/30/EU et / ou 2014/35/EC. La Déclaration de Conformité est disponible à:

POLSKI: Urządzenie spełnia wymagania CE RED 2014/53/EU, 2014/30/EU I / lub 2014/35/EC. Deklaracja zgodności dostępna jest na stronie internetowej producenta:

ITALIANO: Questo dispositivo è conforme alla CE RED 2014/53/EU, 2014/30/EU e / o 2014/35/EC. La dichiarazione di conformità è disponibile al:

manhattanproducts.com



North America	Asia & Africa	Europe
IC Intracom America 550 Commerce Blvd. Oldsmar, FL 34677 USA	IC Intracom Asia 4-F, No. 77, Sec. 1, Xintai 5th Rd. Xizhi Dist., New Taipei City 221, Taiwan	IC Intracom Europe Löhbacher Str. 7, D-58553 Halver, Germany

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Wszystkie znaki towarowe i nazwy handlowe należą do ich właścicieli.

Tutti i marchi registrati e le denominazioni commerciali sono di proprietà dei loro rispettivi proprietari.