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Barcode Scanner

Programming Quick Guide

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Programming Menu

V3.8 a

Notice

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Chapter 1 Description

1.1 General

Thank you for purchasing this barcode scanner with an advanced and versatile decoder.The decoder works with variety of barcode types,reading devices, and computer interfaces.It discriminates over twenty different symbologies automatically.

This menu provides an easy way to configure the decoding options and interface selections by scanning bar codes listed in the menu.

FCC Approval

This device had been tested in accordance with the procedures and in compliance with Part 15 Subpart B of FCC Rules. And keeps all requirments according ANSI C63.4 & FCC Part 15 B Regulation and CISPR22 Class B.

CE Standards

The CE mark as shown here indicates this product had been tested in accordance with the procedures given in European Council Directive 2004/108/EC and confirmed to comply with the Europe Standard EN55022:2006:Class B, EN 55024:1998+A1:2001+A2:2003,IEC61000-3-2:2006, IEC61000-3-3:1995+A1:2005,IEC61000-4-2:2001, IEC61000-4-3:2006,IEC61000-4-4:2004,IEC61000-4-5: 2006,IEC61000-4-6:2001,IEC61000-4-8:2001,IEC61000-4-11:2004.

1.2 Introduction

Check the device for damage or defects. If you find any problems, contact your vendor. Keep the packaging and included accessories should you need to return the item.

1.3 Codes Read

UPC/EAN/JAN, Code 39, Code 39 Full ASCII, Code 128, Interleave 25, Industrial 25, Matrix 25, CODABAR/NW7, Code 11, MSI/PLESSEY, Code 93, China Postage, Code 32/Italian Pharmacy. Others available upon request.

1.4 Installation

1.4.1 Basic Instructions

English: Turn off your PC and disconnect its power cable from the AC outlet. Connect the scanner to a USB port on the PC. Plug the power cable back into the AC outlet and turn on the PC.

Deutsch: Schalten Sie Ihren PC aus und trennen Sie ihn von der Netzpannung (Netzstecker ziehen). Schliessen Sie den Barcode Scanner an einem USB Anschluss an. Verbinden Sie jetzt Ihren Computer mit der Netzspannung und schalten Sie ihn ein.

Français: Eteignez votre PC et débranchez le cordon d'alimentation. Branchez le lecteur de code barre sur le port USB. Rebranchez le cordon.

Slovensko: Ugasnite vašračunalnikinodklopitenapajalni kabel iz omrežja. Priklopite čitalec v prosto USB režo na računalniku. Priklopite nazaj napajalni kabel in vklopite računalnik.

Connecting the scanner

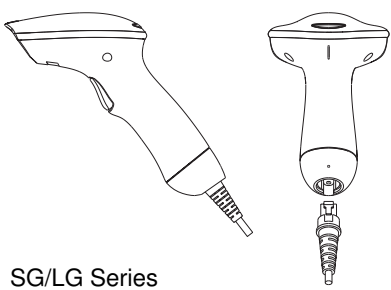
Keyboard wedge / RS232C/USB:
Connect the 10-pin RS45 male connector to the bottom of the scanner. You should hear a click when a proper connection is made.

Power supply for RS-232C scanner–
There are 3 ways to supplying the power, use external +5V power supply, use optional power cable (KBDC) which taking the power from KB wedge or if the host supports +5V power from pin 9.

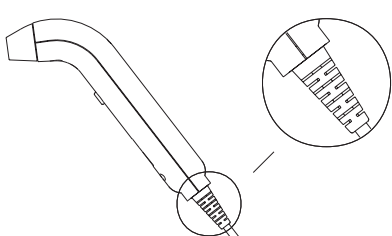
Installing the scanner to the Host System –
1. Turn off the host system.
2. Connect the power if needed.
3. Connect to the proper port on the host system.
4. Turn on the host system.

Switching cable –
Before removing the cable from the scanner, it is recommended that the power on the host system is off and the power supply has been disconnected from unit.

1. Find the small “Pin-hole” on the bottom of the unit.
2. Use a bended regular paperclip and insert the tip into the hole.
3. You will head a “click”, then gentle on the strain-relief of the cable and it will slide out of the scanner.



SG/LG Series



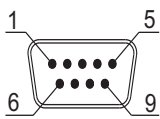
SD Series

1.5 Pin Assignment

A> Input Port for Mini Decoder

DB 9 Male

Pin No.	Wand / Slot Reader	CCD / Laser Scanner
1	N.C.	S.O.S.
2	DATA	DATA
3	N.C.	N.C.
4	N.C.	N.C.
5	N.C.	TRIGGER
6	N.C.	P. E.
7	GND	GND
8	SHIELD	SHIELD
9	+5V	+5V

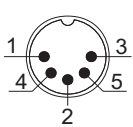


B> Output Port

1. PC Keyboard Output

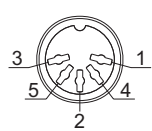
DIN 5 MALE

Pin No.	Function
1	HOST CLK
2	HOST DATA
4	GND
5	Vcc(+5V)



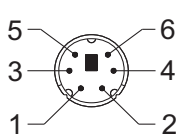
DIN 5 FEMALE

Pin No.	Function
1	KB CLK
2	KB DATA
4	GND
5	Vcc(+5V)



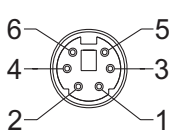
MiniDIN 6 MALE

Pin No.	Function
1	HOST DATA
3	GND
4	Vcc
5	HOST CLK



MiniDIN 6 FEMALE

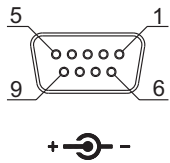
Pin No.	Function
1	KB DATA
3	GND
4	Vcc
5	KB CLK



2. RS-232 Output

DB 9 Female

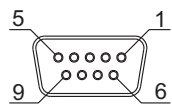
Pin No.	Function
2	TXD
3	RXD
5	GND
7	CTS
8	RTS
Power Lead	Vcc (+5V)



3. WAND Emulation Output

DB 9 Female

Pin No.	Function
2	DATA
7	GND
9	Vcc (+5V)



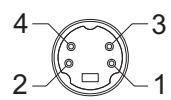
4. ADB Interface

MiniDIN 4 MALE

Pin No.	Function
1	ADB
3	Vcc
4	GND

MiniDIN 4 FEMALE

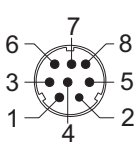
Pin No.	Function
1	ADB
3	Vcc
4	GND



5. NEC 9801 Interface

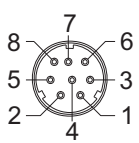
MiniDIN 8 MALE

Pin No.	Function
1	RST
2	GND
3	HOST RDY
4	HOST DATA
5	RTY
8	+5V



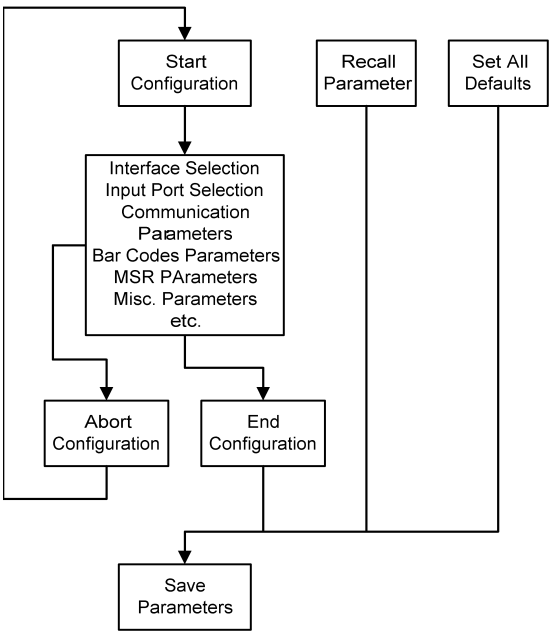
MiniDIN 8 FEMALE

Pin No.	Function
1	RST
3	GND
4	KB RDY
5	KB DATA
4	RTY
5	+5V



Chapter 2 Configuration - General

2.1 Flow Chart



2.2 Loop of Programming

The philosophy of programming parameters has been shown on the flow chart of 2.1. Basically user should

1.Scan Start of Configuration.
2.Scan all necessary labels for parameters that meet applications.
3.Scan End of Configuration to end the programming.
4.To permanently save the settings you programmed ,just scan label for Save Parameters.
5.To go back to the Default Settings,just scan label for Set All Defaults.

2.3 Factory Default Settings

The factory default settings are shown with <> and bold in the following sections.You can make your own settings by following the procedures in this manual.If you want to save the settings permanently ,you should scan the label of "Save Parameters" in chapter 2.4,otherwise the settings will not be saved after the decoder power is off,and all settings will go back to previous settings.

By scanning "Set All Default" label,the settings will go back to the factory default settings.

2.4 Main Page of Configuration

Save Parameters

Recall Stored Parameters

Set All Defaults

Start Configuration

End Configuration

Abort Configuration

Version Information

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.

Abort Configuration -
Terminate current programming status.

Version Information -
Display the decoder version information and date code.

Chapter 3 Interface and Reading Mode Selection

3.1 Interface Selection

<Keyboard Mode>

RS232 Mode

WAND Emulation

USB Mode

3.2 Memory Function<HC102M Only>

<Enable>

Disable

3.3 Reading Mode Selection

<Good Read OFF>

Trigger ON/OFF

Continuous/Trigger OFF

Testing

Continuous/Auto Power On

Flash

Flash/Auto Power On

Reserved1

Reserved 2 (Auto Sense Option)

Reserved3

Reserved4

Reserved5

Ch.4 Communication Parameters

4.1 RS232 Communication Parameters

A> Set Up BAUD Rate

1200

2400

4800

<9600>

19200

38400

B> Set Up Data Bits

7 Data Bits

<8 Data Bits>

C> Set Up Stop Bits

<1 Bit>

2 Bits

D> Set Up Parity

<None>

Even

Odd

Mark

Space

E> Handshaking

RTS/CTS Enable

<RTS/CTS Disable>

ACK/NAK Enable

<ACK/NAK Disable>

XON/XOFF Enable

<XON/XOFF Disable>

4.2 Keyboard Wedge Mode Parameters

A> Terminal Type

<IBM PC/AT, PS/2>

IBM PC/XT

IBM PS/2 25, 30

NEC 9800

Apple Desktop Bus(ADB)

IBM 5550

IBM 122 Key (1)

IBM 102 Key

IBM 122 Key (2)

Reserved 1

Reserved 2

Reserved 3

Reserved 4

Reserved 5

B> Upper/Lower Case

<No Change>

Upper Case

Lower Case

C> Capslock Detection

Enable

<Disable>

D> Send Character by ALT Method

Enable

<Disable>

E>Select Numerical Pad

ON

<OFF>

4.3 Output Characters Parameters

A> Select Terminator

<CR+LF>

None

CR

LF

Space

HT(TAB)

STX-ETX

B> Time-out Between Characters

<0 ms>

5 ms

10 ms

25 ms

50 ms

100 ms

200 ms

300 ms

4.4 Wand Emulation Mode Parameters

A> TTL Level Representation

<Bar Equals High>

Bar Equals Low

B> Scan Speed Selection

<Fast>

Slow

C> Output Format Selection

<Output as Code 39>

Output as Code 39
Full ASCII

Output as Original
Code Format

Ch.5 Bar Codes & Others

5.1 Symbologies Selection

UPC-A **<ON>**

OFF

UPC-E **<ON>**

OFF

EAN-13/JAN-13/ISBN-13 <ON>

OFF

EAN-8/JAN-8 **<ON>**

OFF

CODE 39 **<ON>**

OFF

CODE 128 **<ON>**

OFF

CODABAR/NW7 **<ON>**

OFF

Interleave 25 **<ON>**

OFF

Industrial 25 ON

<OFF>

Matrix 25 ON

<OFF>

CODE 93 ON

<OFF>

CODE 11 ON

<OFF>

China Postage ON

<OFF>

MSI/PLESSEY ON

<OFF>

Code 2 of 6 ON

<OFF>

LCD25 ON

<OFF>

Telepen ON

<OFF>

Reserved5 ON

<OFF>

Reserved6 ON

<OFF>

GS1 DataBar Omnidirectional ON

<OFF>

GS1 DataBar Limited ON

<OFF>

GS1 DataBar Expanded ON

<OFF>

Select All Bar Codes

5.2 UPC/EAN/JAN Parameters

A> Reading Type

UPCA=EAN13 ON

UPCA=EAN13<OFF>

ISBN-10 Enable

ISBN-13 <Enable>

ISSN Enable

ISSN <Disable>

Decode with Supplement

<Autodiscriminate Supplement>

Expand UPC-E Enable

Expand UPC-E <Disable>

EAN8=EAN13 Enable

EAN8=EAN13 <Disable>

GTIN Format Enable

GTIN Format <Disable>

B> Supplementals Set Up

<Not Transmit>

Transmit 2 Code

Transmit 5 Code

Transmit 2&5 Code

C> Check Digit Transmission

UPC-A Check Digit Transmission **<ON>**

OFF

UPC-E Check Digit Transmission **<ON>**

OFF

EAN-8 Check Digit Transmission **<ON>**

OFF

EAN-13 Check Digit Transmission **<ON>**

OFF

ISSN Check Digit Transmission **<ON>**

OFF

5.3 Code 39 Parameters

A> Type of Code

<Standard>

Full ASCII

Italian Pharmacy/Code 32

<OFF>

Italian Pharmacy/
Code 32 ON

B> Check Digit Transmission

<Do Not Calculate Check Digit>

Calculate Check Digit
& Transmit

Calculate Check Digit
& Not Transmit

C> Output Start/Stop Character

Enable

<Disable>

D> Decode Asterisk

Enable

<Disable>

E> Set Up Code Length

To set the fixed length:
1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

Fix Length (2 Sets Available)

1. 1st Set Begin

2. Decimal Value (Appendix A)

3. 1st Set Complete

1. 2nd Set Begin

2. Decimal Value (Appendix A)

3. 2nd Set Complete

Minimum Length

1. Begin

2. Decimal Value (Appendix A)

3. Complete

5.4 Code 128 Parameters

A> Reading Type

UCC/EAN-128
Enable

<UCC/EAN-128
Disable>

<Enable']C1'Code
Format>

Disable']C1'Code
Format

<Enable Code128 Group
Separators (GS)>

Disable Code128
Group Separators
(GS)

B> Check Digit Transmission

Do Not Calculate
Check Digit

Calculate Check
Digit & Transmit

**<Calculate Check Digit
& Not Transmit>**

C> Append FNC2

ON

<OFF>

D> Set Up Code Length

To set the fixed length:
1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

Fix Length (2 Sets Available)

1. 1st Set Begin

2. Decimal Value (Appendix A)

3. 1st Set Complete

1. 2nd Set Begin

2. Decimal Value (Appendix A)

3. 2nd Set Complete

Minimum Length

1. Begin

2. Decimal Value (Appendix A)

3. Complete

5.5 Interleave 25 Parameters

A> Check Digit Transmission

<Do Not Calculate Check Digit>

%0 GN3

Calculate Check Digit & Transmit

%0 GN7

Calculate Check Digit & Not Transmit

%0 GN5

B> Set Up Number of Character

<Even>

%0 G8 8

Odd

%0 G8 0

C> Brazilian Banking Code

<Disable>

%0 G4 0

Enable

%0 G4 4

D> Set Up Code Length

To set the fixed length:
1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

Fix Length (2 Sets Available)

1. 1st Set Begin

2. Decimal Value (Appendix A)

3. 1st Set Complete

1. 2nd Set Begin

2. Decimal Value (Appendix A)

3. 2nd Set Complete

Minimum Length

1. Begin

2. Decimal Value (Appendix A)

3. Complete

5.6 Industrial 25 Parameters

A> Reading type

IATA25 Enable

<Disable>

B> Check Digit Transmission

<Do Not Calculate
Check Digit>

Calculate Check Digit
& Transmit

Calculate Check Digit
& Not Transmit

C> Set Up Code Length

To set the fixed length:
1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

Fix Length (2 Sets Available)

1. 1st Set Begin

2. Decimal Value (Appendix A)

3. 1st Set Complete

1. 2nd Set Begin

2. Decimal Value (Appendix A)

3. 2nd Set Complete

Minimum Length

1. Begin

2. Decimal Value (Appendix A)

3. Complete

5.7 Matrix 25 Parameters

A> Check Digit Transmission

<Do Not Calculate Check Digit>

Calculate Check Digit & Transmit

Calculate Check Digit & Not Transmit

B> Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

Fix Length (2 Sets Available)

1. 1st Set Begin

2. Decimal Value (Appendix A)

3. 1st Set Complete

1. 2nd Set Begin

2. Decimal Value (Appendix A)

3. 2nd Set Complete

Minimum Length

1. Begin

2. Decimal Value (Appendix A)

3. Complete

5.8 CODABAR/NW7 Parameters

A> Set Up Start/Stop Characters Upon Transmission

ON

<OFF>

B> Transmission Type of Start/Stop

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

A Start

B Start

C Start

D Start

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

A Stop

B Stop

C Stop

D Stop

C> Set Up Code Length

To set the fixed length:
1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

Fix Length (2 Sets Available)

1. 1st Set Begin

2. Decimal Value (Appendix A)

3. 1st Set Complete

1. 2nd Set Begin

2. Decimal Value (Appendix A)

3. 2nd Set Complete

Minimum Length

1. Begin

2. Decimal Value (Appendix A)

3. Complete

5.9 Code 93 Parameters

A> Check Digit Transmission

<Calculate Check 2 Digits & Not Transmit>

Do Not Calculate Check Digit

B> Set Up Code Length

To set the fixed length:
1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

Fix Length (2 Sets Available)

1. 1st Set Begin

2. Decimal Value (Appendix A)

3. 1st Set Complete

1. 2nd Set Begin

2. Decimal Value (Appendix A)

3. 2nd Set Complete

Minimum Length

1. Begin

2. Decimal Value (Appendix A)

3. Complete

5.10 Code 11 Parameters

A> Check Digit Transmission

<Do Not Calculate Check Digit>

Calculate Check 1 Digit & Transmit

Calculate Check 1 Digit & Not Transmit

Calculate Check 2 Digits & Transmit

Calculate Check 2 Digits & Not Transmit

B> Set Up Code Length

To set the fixed length:
1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

Fix Length (2 Sets Available)

1. 1st Set Begin

2. Decimal Value (Appendix A)

3. 1st Set Complete

1. 2nd Set Begin

2. Decimal Value (Appendix A)

3. 2nd Set Complete

Minimum Length

1. Begin

2. Decimal Value (Appendix A)

3. Complete

5.11 MSI/PLESSEY Code Parameters

A> Check Digit Transmission

Do Not Calculate Check Digit

Calculate Check Digit & Transmit

<Calculate Check Digit & Not Transmit>

B> Set Up Code Length

To set the fixed length:
1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

Fix Length (2 Sets Available)

1. 1st Set Begin

2. Decimal Value (Appendix A)

3. 1st Set Complete

1. 2nd Set Begin

2. Decimal Value (Appendix A)

3. 2nd Set Complete

Minimum Length

1. Begin

2. Decimal Value (Appendix A)

3. Complete

5.12 Code 2 of 6 Parameters

A> Check Digit Transmission

<Do Not Calculate
Check Digit>

**Calculate Check
Digit & Transmit>**

Calculate Check Digit
& Not Transmit

B> Set Up Code Length

To set the fixed length:
1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

Fix Length (2 Sets Available)

1. 1st Set Begin

2. Decimal Value (Appendix A)

3. 1st Set Complete

1. 2nd Set Begin

2. Decimal Value (Appendix A)

3. 2nd Set Complete

Minimum Length

1. Begin

2. Decimal Value (Appendix A)

3. Complete

5.13 LCD25 Parameters

A> Check Digit Transmission

<Do Not Calculate Check Digit>

Calculate Check Digit & Transmit

Calculate Check Digit & Not Transmit

B> Setup Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4Q1+

Fix Length (2 Sets Available)

1. 1st Set Begin

%4Q00

2. Decimal Value (Appendix A)

3. 1st Set Complete

%4Q01

1. 2st Set Begin

%4Q00

2. Decimal Value (Appendix A)

3. 2nd Set Complete

%4Q02

Minimum Length

1. Begin

%2+-/

2. Decimal Value (Appendix A)

3. Complete

%2CC+

5.14 Telepen Parameters

A> Type of Code

<Full ASCII Mode>

Compressed Numeric Mode

B> Check Digit Transmission

Do Not Calculate Check Digit

Calculate Check Digit & Transmit

<Calculate Check Digit & Not Transmit>

C> Set Up Code Length

To set the fixed length:
1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4T1+

Fix Length (2 Sets Available)

1. 1st Set Begin

%4T00

2. Decimal Value (Appendix A)

3. 1st Set Complete

%4T01

1. 2nd Set Begin

%4T00

2. Decimal Value (Appendix A)

3. 2nd Set Complete

%4T02

Minimum Length

1. Begin

%2%+-/

2. Decimal Value (Appendix A)

3. Complete

%2CF+

5.15 GS1 Databar(RSS Code)

A> GS1 DataBar Omnidirectional ON

<Transmit Check Digit>

Don't Transmit Check Digit

<Transmit Application ID>

Don't Transmit Application ID

Transmit Symbology ID

<Don't Transmit Symbology ID>

B> GS1 DataBar Limited Parameters

<Transmit Check Digit>

Don't Transmit Check Digit

<Transmit Application ID>

%0V88

Don't Transmit
Application ID

%0V80

Transmit Symbology ID

%0V44

<Don't Transmit
Symbology ID>

%0V40

C> GS1 DataBar Expanded Parameters

Transmit Symbology ID

%0W44

<Don't Transmit
Symbology ID>

%0W40

Ch.6 Miscellaneous Parameters

6.1 Language Selection

<US English>

UK English

Italian

Spanish

French

German

Swedish

Switzerland

Hungarian

Japanese

Belgium

Portuguese

Denmark

Netherlands

Turkey

Reserved2

6.2 Bar Code ID

ON

<OFF>

Default

With this function ON, a leading character will be added to the output string while scanning code, user may refer to the following table to know what kind of bar code is being scanned.

Please refer to the table below for matching code ID of codes read in.

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 Limited	V	RSS Expanded	W

User Define Code ID

To set the code ID:
1. Scan the symbologies label.
2. Go to the ASCII Tables in Appendix B, scan label that represents the desired code ID.

Note:
User define code ID will override default value. Program will not check the conflict. It is possible to have more than two symbologies which have same code ID.

UPC-A

UPC-E

EAN-13/JAN-13

EAN-8/JAN-8

CODE 39

CODE 128

CODABAR/NW7

Interleave 25

Industrial 25

Matrix 25

CODE 93

CODE 11

China Postage

MSI/PLESSEY

Code 2 of 6

Telepen

LCD25

RSS-14

RSS Limited

RSS Expanded

Reserved5

Reserved6

6.3 Reading Level

Bar Equals High

<Bar Equals Low>

6.4 Accuracy

<1 Time>

2 Times

3 Times

4 Times

6.5 Buzzer Beep Tone

<High>

Medium

Low

Off

6.6 LED Control(SV700 only)

<ON>

OFF

6.7 Sensitivity of Continuous Reading Mode

A> Quick Setting:

<Fast>

Slow

B> Same Code Delay Reading Interval

Following code sequences represent the length of time before a barcode can be rescanned at continuous and flash reading mode. The value can be defined from 1-50 and they represent 100ms to 5 seconds in 100ms interval.Default value is 3 (0.3 seconds).

To setup same code delay reading interval:

1.Scan the "Begin" label
2.Go the Decimal Value Tables in Appendix A, Scan label(s),that represents the same code delay reading interval.They are ranged form 1-50.One step is represented 0.1second.So the interval is from 0.1 to 5 seconds.
3.Scan the "Complete" label

Repeat the steps 1-3 to set time out of same symbol

1.Begin

2.Decimal Value (1-50) (Appendix A)

3.Complete

6.8 Notebook Function

Enable

<Disable>

6.9 Reverse Output Characters

<Disable>

Enable

6.10 Setup Deletion

To setup the deletion of output characters:

1. Scan the label of the desired set below.
2. Scan the label of the desired symbology.
3. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the desired position to be deleted.
4. Scan the "Complete" label of "Character Position to be Deleted".
5. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the number of characters to be deleted.
6. Scan the "Complete" label of "Number of Characters to be Deleted".

Repeat the steps 1 - 6 to set additional deletion.

A> Select Deletion Set Number

1. 1st Set

2. 2nd Set

3. 3rd Set

4. 4th Set

5. 5th Set

6. 6th Set

B> Symbologies Selection

UPC-A

UPC-E

EAN-13/JAN-13/ISBN-13

EAN-8/JAN-8

CODE 39

CODE 128

CODABAR/NW7

Interleave 25

Industrial 25

Matrix 25

CODE 93

CODE 11

China Postage

MSI/PLESSEY

Code 2 of 6

Telepen

LCD25

RSS-14

RSS Limited

RSS Expanded

All Codes

None

C> Character Position to be Deleted

1. Decimal Value
(Appendix A)

2. Complete

D> Number of Characters to be Deleted

1. Decimal Value
(Appendix A)

2. Complete

6.11 Setup Insertion

To setup the insertion of output characters:

1. Scan the label of the desired set.
2. Scan the label of the desired symbology.
3. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the desired position to be inserted.
4. Scan the "Complete" label of "Character Position to be Inserted".
5. Go to the ASCII Tables in Appendix B or Function Key Tables in Appendix C, scan label(s) that represents the desired characters to be inserted.
6. Scan the "Complete" label of "Characters to be Inserted".

Repeat the steps 1 - 6 to set additional insertion.

A> Select Insertion Set Number

1. 1st Set

2. 2nd Set

3. 3rd Set

4. 4th Set

5. 5th Set

6. 6th Set

B> Symbologies Selection

UPC-A

UPC-E

EAN-13/JAN-13/ISBN-13

EAN-8/JAN-8

CODE 39

CODE 128

CODABAR/NW7

Interleave 25

Industrial 25

Matrix 25

CODE 93

CODE 11

China Postage

MSI/PLESSEY

Code 2 of 6

Telepen

LCD25

RSS-14

RSS Limited

RSS Expanded

All Codes

None

C> Character Position to be Inserted

1. Decimal Value
   (Appendix A)

2. Complete

D> Characters to be Inserted

1. ASCII Table
   (Appendix B)

2. Complete

6.12 Setup IR Sensor (LG303 only)

<Disable>

Enable

Appendix A Decimal Value Table

0

1

2

3

4

5

6

7

8

9

Appendix B ASCII Table

NULL

SOH

STX

ETX

EOT

ENQ

ACK

BEL

BS

HT

LF

VT

FF

CR

SO

SI

DLE

DC1

DC2

DC3

DC4

NAK

SYN

ETB

CAN

EM

SUB

ESC

FS

GS

RS

US

SPACE


20

"


22

!


21

#


23

%


25

$


24

&


26

(


28

'


27

)


29

+


2B

*


2A

,


2C

.


2E

-


2D

/


2F

1


31

0


30

2


32

4


34

3


33

5


35

7


37

6


36

8


38

:


3A

9


39

;


3B

=


3D

<


3C

>


3E

?


3F

@

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

[

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a

b

c

d

e

f

g

h

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j

k

l

m

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o

p

q

r

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u

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w

x

y

z

{

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}

~

DEL

Appendix C Function Key Table

F1

F2

F3

F4

F5

F6

F7

F8

F9

F10

F11

F12

Insert

Delete

Home

Page Up

Page Down

End

Left

Right

Up

Down

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 indicates that this product shall not be treated as household waste. Instead, it should be taken to an applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. If your equipment contains easily removable batteries or accumulators, dispose of these separately according to your local requirements. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, contact your local city office, your household waste disposal service or the shop where you purchased this product. *In countries outside of the EU:* If you wish to discard this product, contact your local authorities and ask for the correct manner of disposal.

DEUTSCH

Dieses auf dem Produkt oder der Verpackung angebrachte Symbol zeigt an, dass dieses Produkt nicht mit dem Hausmüll entsorgtwerden darf. In Übereinstimmung mit der Richtlinie 2002/96/EG 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 2002/96/CE 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 2002/96/EC 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 sui prodotto o sulla relativa confezione indica che il prodotto non va trattato come un rifiuto domestico. In ottemperanza alla Direttiva UE 2002/96/EC 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 2002/96/WE w sprawie zużytego sprzętu elektrycznego i elektronicznego (WEEE), niniejszego produktu elektrycznego nie wolno usuwać jako nie posortowanego odpadu komunalnego. Prosimy o usuniecie niniejszego produktu poprzez jego zwrot do punktu zakupu lub oddanie do miejscowego komunalnego punktu zbiórki odpadów przeznaczonych do recyklingu.

SLOVENSKO

Simbol prečrtanega smetnjaka s kolesi pomeni, da je treba ta izdelek oddati na zbirališču elektronskih odpadkov in ga ne smemo vreči med gospodinjske odpadke. Po direktivi Evropskega Parlamenta in Sveta 2002/96/EC pravila o ravnanju z odpadno električno in elektronsko opremo (EE) je potrošnik je zavezan oddati odslužene naprave na zbirališče odpadnih električnih naprav. Če vaš izdelek vsebuje baterije ali akumulatorje, jih je potrebno uničiti ločeno. Za dodatne informacije o recikliranju tega izdelka se obrnite na pristojne službe ali na prodajalno, kjer ste izdelek kupili.

WARRANTY INFORMATION

English: For warranty information, go to manhattan-products.com/warranty.
Deutsch: Garantieinformationen finden Sie unter manhattan-products.com/warranty.
Español: Si desea obtener información sobre la garantía, visite manhattan-products.com/warranty.
Français: Pour consulter les informations sur la garantie, visitez manhattan-products.com/warranty.
Polski: Informacje dotyczące gwarancji znajdują się na stronie manhattan-products.com/warranty.
Italiano: Per informazioni sulla garanzia, accedere a manhattan-products.com/warranty.
Slovensko: Informacije o garanciji so dosegljive na manhattan-products.com/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 dias 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 subensambles 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.

North & South America
IC INTRACOM AMERICAS
550 Commerce Blvd.
Oldsmar, FL 34677
USA

Asia & Africa
IC INTRACOM ASIA
Far Eastern Technology Center
7-F No. 125, Section 2, Da Tong Rd.
Shijr, Taipei
Taiwan, ROC

Europe
IC INTRACOM EUROPE
Löhbacher Str. 7
D-58553 Halver
Germany

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 / R&TTE

English: This device complies with the requirements of R&TTE Directive 1999/5/EC.
Deutsch: Dieses Gerät enspricht der Direktive R&TTE Direktive 1999/5/EC.
Español: Este dispositivo cumple con los requerimientos de la Directiva R&TTE 1999/5/EC.
Français: Cet appareil satisfait aux exigences de la directive R&TTE 1999/5/CE.
Polski: Urządzenie spełnia wymagania dyrektywy R&TTE 1999/5/EC.
Italiano: Questo dispositivo è conforme alla Direttiva 1999/5/EC R&TTE.
Slovensko: S polno odgovornostjo izjavljamo, da je ta izdelek izdelan skladno s standardi skladnosti R&TTE Direktive 1999/5/EC.

Save Parameters

Recall Stored Parameters

Set All Defaults

Start Configuration

End Configuration

Abort Configuration

Version Information

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