

BAR CODE

PROGRAMMING MENU

Programming Menu

V3.8 c

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 requirements 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.

LEGISLATION AND WEEE SYMBOL

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase.

1.2 Introduction

The Decoder is an advanced and versatile decoding facility for barcoding systems .It works with variety of bar code types, reading devices, and computer interfaces. It discriminates about twenty different symbologies automatically.

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

1.3 Codes Read

. Codes Read

ALL 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, Code32/Italian Pharmacy
Others available upon request.

1.4 Installation

Unpacking -

Remove the scanner from its packing and check it for damage. If the scanner was defected in transit, please contact your vendor immediately. Be sure that you keep the packing with all accessories contains in the package for your returning of service.

Connecting the scanner -

Keyboard wedge/RS-232C/USB:

Connect the 10-pins RS-45 male connector into the bottom of the scanner and you will hear a **click** when the 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.

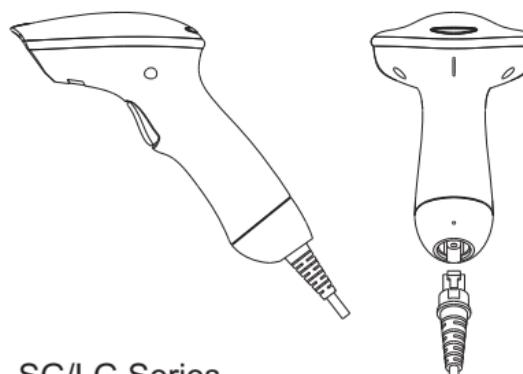
Installing the scanner to the Host System -

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.

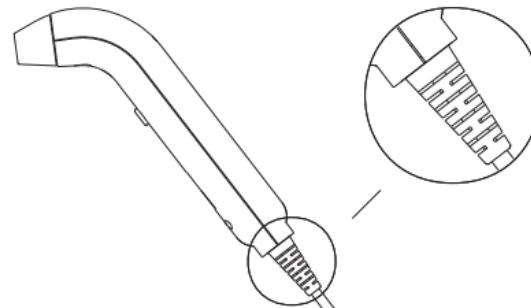
Switching cable -

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 hear a "click" , then gently on the strain-relief of the cable and it will slide out of the scanner.



SG/LG Series



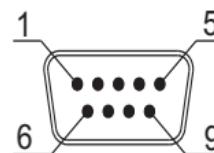
SD Series

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

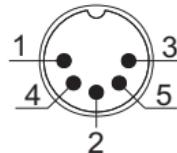


B> Output Port

1. PC Keyboard Output

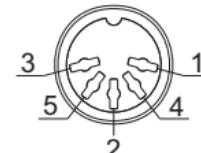
DIN 5 MALE

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



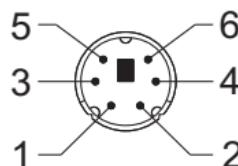
DIN 5 FEMALE

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



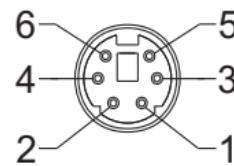
MiniDIN 6 MALE

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



MiniDIN 6 FEMALE

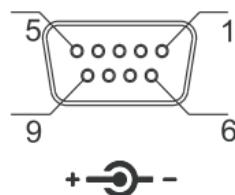
Pin No.	Function
1	KB DATA
3	GND
4	Vcc
5	KB CLK



2. RS-232 Output

DB 9 Female

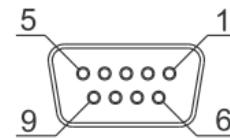
Pin No.	Function
2	TXD
3	RXD
5	GND
7	CTS
8	RTS
Power Lead	Vcc (+5V)



3. WAND Emulation Output

DB 9 Female

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



4. ADB Interface

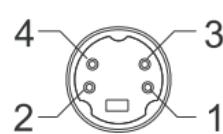
MiniDIN 4 MALE

Pin No.	Function
1	ADB
3	Vcc
4	GND



MiniDIN 4 FEMALE

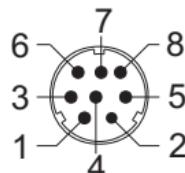
Pin No.	Function
1	ADB
3	Vcc
4	GND



5. NEC 9801 Interface

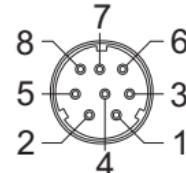
MiniDIN 8 MALE

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



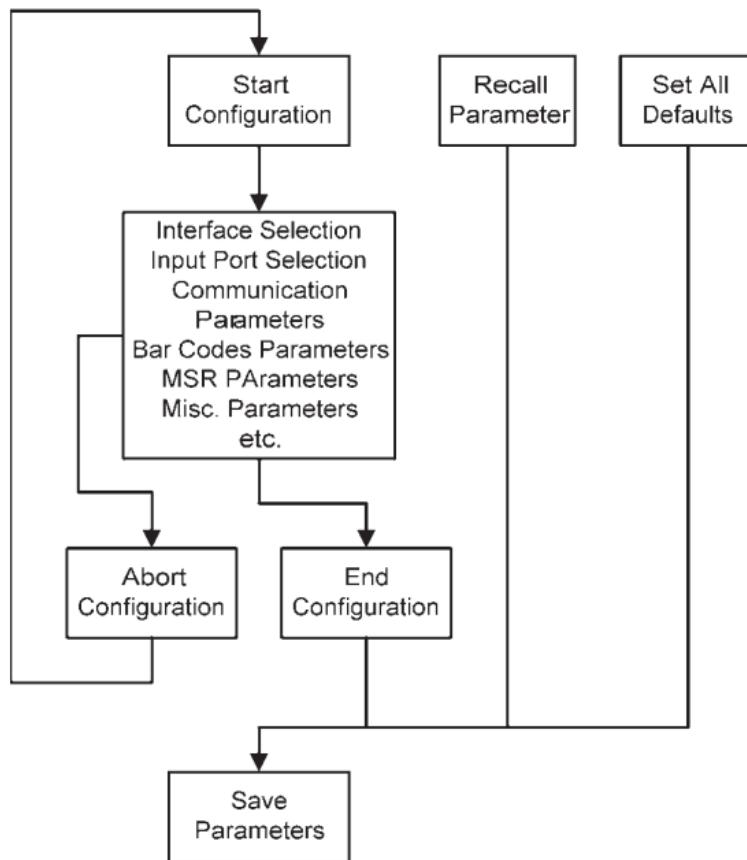
MiniDIN 8 FEMALE

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



%\$+/ 0

Recall Stored Parameters



%\$+/ 1

Set All Defaults



%\$+/ 2

Start Configuration



%\$+/ 3

End Configuration



%\$+/ 4

Abort Configuration



%\$+/ 6

Version Information



%\$+/ 5

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>



%00U0

RS232 Mode



%00U8

WAND Emulation



%00M2

USB Mode



%0X08

3.2 Memory Function<HC102M Only>

<Enable>



%0XI 2

Disable



%0XI 0

3.3 Reading Mode Selection

<Good Read OFF>



%0271

Trigger ON/OFF



%0270

Continuous/Trigger OFF



%0272

Testing



%0275

Continuous/Auto Power On



%0273

Flash



%0274

Flash/Auto Power On



%0276

Reserved1



%0277

Auto Sense(Option)



%09F8

Reserved3



%09F9

Reserved4



%09FA

Reserved5



%09FB

Ch.4 Communication Parameters

4.1 RS232 Communication Parameters

A> Set Up BAUD Rate

2400



<9600>



38400



1200



4800



19200



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>



%0 YN7

Odd



%0 YN3

Space



%0 YN0

Even



%0 YN2

Mark



%0 YN1

E> Handshaking

RTS/CTS Enable



%0 188

ACK/NAK Enable



%0 144

XON/XOFF Enable



%0 3K4

<RTS/CTS Disable>



%0 180

<ACK/NAK Disable>



%0 140

<XON/XOFF Disable>



%0 3K0

4.2 Keyboard Wedge Mode Parameters

A> Terminal Type

<IBM PC/AT, PS/2>



%ZF0

IBM PC/XT

IBM PS/2 25, 30



%ZF1

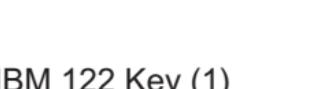
IBM PC/XT

Apple Desktop Bus(ADB)



%ZF2

NEC 9800



%ZF3

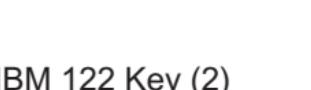
NEC 9800

IBM 122 Key (1)



%ZF4

IBM 5550



%ZF5

IBM 122 Key (1)

IBM 122 Key (2)



%ZF6

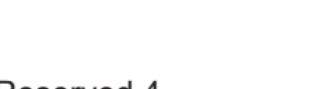
IBM 122 Key (2)

Reserved 2



%ZF7

Reserved 1



%ZF8

Reserved 3



%ZF9

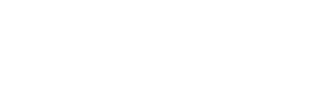
Reserved 3

Reserved 4



%ZFA

Reserved 5



%ZFB

Reserved 5



%ZFD

Reserved 5

B> Upper/Lower Case

<No Change>



%0330

Upper Case



%0331

Lower Case



%0332

C> Capslock Detection

Enable



%0X88

<Disable>



%0X80

D> Send Character by ALT Method

Enable



%0308

<Disable>

E>Select Numerical Pad

ON



%01K4

<OFF>



%01K0

4.3 Output Characters Parameters

A> Select Terminator

<CR+LF>



%7 S2 +

None

CR



%7 S0 +

LF

Space



%7 S4 +

HT(TAB)

STX-ETX



%7 S5 +



%7 S3 +

B> Time-out Between Characters

<0 ms>



%0070

5 ms



%0071

10 ms



%0072

25 ms



%0073

50 ms



%0074

100 ms



%0075

200 ms



%0076

300 ms



%0077

4.4 Wand Emulation Mode Parameters

A> TTL Level Representation

<Bar Equals High>



%02K4

Bar Equals Low



%02K0

B> Scan Speed Selection

<Fast>



%0288

Slow



%0280

C> Output Format Selection

<Output as Code 39>



%0208

Output as Code 39
Full ASCII



%0200

Output as Original
Code Format



%0XK4

Ch.5 Bar Codes & Others

5.1 Symbologies Selection

UPC-A <ON>



%0 A44

OFF

UPC-E <ON>



%0 B08

OFF

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



%0 A22

OFF

EAN-8/JAN-8 <ON>



%0 A11

OFF

CODE 39 <ON>



%0 EO8

OFF

CODE 128 <ON>



%0 FO8

OFF

CODABAR/NW7 <ON>



%0 JO8

OFF



%0 JO0

Interleave 25 <ON>



%0 GO8

OFF



%0 GO0

Industrial 25 ON



%0 HO8

<OFF>



%0 HO0

Matrix 25 ON



%01 O8

<OFF>



%01 O0

CODE 93 ON



%0 KO8

<OFF>



%0 KO0

CODE 11 ON



%0 LO8

<OFF>



%0 LO0

China Postage ON



%0 MO8

<OFF>



%0 MO0

MSI/PLESSEY ON



%0 NO8

<OFF>



%0 NO0

Code 2 of 6ON



%0 PO8

LCD25 ON



%0 QO8

Telepen ON



%0 TO8

Reserved5 ON



%0 RO8

Reserved6 ON



%0 SO8

<OFF>



%0 PO0

<OFF>



%0 QO0

<OFF>



%0 TO0

<OFF>



%0 RO0

<OFF>



%0 SO0

GS1 DataBar Omnidirectional ON



%0U08

<OFF>

GS1 DataBar Limited ON



%0U00

<OFF>

GS1 DataBar Expanded ON



%0V08

<OFF>



%0V00

Select All Bar Codes



%1A/ +

%0W00

5.2 UPC/EAN/JAN Parameters

A> Reading Type

UPCA=EAN13 ON



%0AK4

ISBN-10 Enable



%0B88

ISSN Enable



%0B44

Decode with Supplement



%01O0

Expand UPC-E
Enable



%0BH1

EAN8=EAN13
Enable



%0AO8

GTIN Format
Enable



%0X44

UPCA=EAN13<OFF>



%0AK0

ISBN-13 <Enable>



%0B80

ISSN <Disable>



%0B40

**<Autodiscriminate
Supplement>**



%01O8

Expand UPC-E
<Disable>



%0BH0

EAN8=EAN13
<Disable>



%0AO0

GTIN Format
<Disable>



%0X40

B> Supplements Set Up

<Not Transmit>



%0B33

Transmit 2 Code



%0B32

Transmit 5 Code



%0B31

Transmit 2&5 Code



%0B30

Transmit 2 Code

C> Check Digit Transmission

UPC-A Check Digit Transmission <ON>



%0AI2

OFF



%0AI0

UPC-E Check Digit
Transmission <ON>



%0BI2

OFF



%0BI0

EAN-8 Check Digit
Transmission <ON>



%0A88

OFF



%0A80

EAN-13 Check Digit
Transmission <ON>



%0AH1

OFF



%0AH0

ISSN Check Digit
Transmission <ON>



%0BK4

OFF



%0BK0

5.3 Code 39 Parameters

A> Type of Code

<Standard>



%0 EH1

Full ASCII



%0 EH0

Italian Pharmacy/Code 32

<OFF>



%0 E80

Italian Pharmacy/
Code 32 ON



%0 E88

B> Check Digit Transmission

<Do Not Calculate
Check Digit>



%0 EM2

Calculate Check Digit
& Transmit



%0 EM6

Calculate Check Digit
& Not Transmit



%0 EM4

C> Output Start/Stop Character

Enable



%0 E44

<Disable>



%0 E40

D> Decode Asterisk

Enable



%0E22

<Disable>



%0E20

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>



%4E1+

Fix Length (2 Sets Available)

1. 1st Set Begin



%4E00

2. Decimal Value
(Appendix A)

3. 1st Set Complete



%4E01

1. 2nd Set Begin



%4E00

2. Decimal Value
(Appendix A)



%4E02

Minimum Length

1. Begin



%2+-/

2. Decimal Value
(Appendix A)

3. Complete



%2C0+

5.4 Code 128 Parameters

A> Reading Type

UCC/EAN-128

Enable



<UCC/EAN-128

Disable>



%0F44

%0F40

<Enable']C1'Code
Format>



Disable']C1'Code
Format

%0F22

%0F20

<Enable Code128 Group
Separators (GS)>



Disable Code128
Group Separators
(GS)

%0F11

%0F10



B> Check Digit Transmission

Do Not Calculate

Check Digit



%0FN1

Calculate Check
Digit & Transmit



%0FN7



%0FN5

C> Append FNC2

ON



%0F88

<OFF>



%0F80

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>



%4 F1 +

Fix Length (2 Sets Available)

1. 1st Set Begin



%4 F0 0

2. Decimal Value
(Appendix A)

3. 1st Set Complete



%4 F0 1

1. 2nd Set Begin



%4 F0 0

2. Decimal Value
(Appendix A)

3. 2nd Set Complete



%4 F0 2

Minimum Length

1. Begin



%2 +- /

2. Decimal Value
(Appendix A)

3. Complete



%2 C1 +

5.5 Interleave 25 Parameters

A> Check Digit Transmission

<Do Not Calculate
Check Digit>



%0 GN3

Calculate Check Digit
& Transmit

Calculate Check Digit
& Not Transmit



%0 GN5

B> Set Up Number of Character

<Even>



%0 G88

Odd



%0 G80

C> Brazilian Banking Code

<Disable>



%0 G40

Enable



%0 G44

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>



%4 G1 +

Fix Length (2 Sets Available)

1. 1st Set Begin



%4 G0 0

2. Decimal Value
(Appendix A)

3. 1st Set Complete



%4 G0 1

1. 2nd Set Begin



%4 G0 0

2. Decimal Value
(Appendix A)

3. 2nd Set Complete



%4 G0 2

Minimum Length

1. Begin



%2 +- /

2. Decimal Value
(Appendix A)

3. Complete



%2 C2 +

5.6 Industrial 25 Parameters

A> Reading type

IATA25 Enable



%0H44

<Disable>



%0H40

B> Check Digit Transmission

<Do Not Calculate
Check Digit>



%0HN3

Calculate Check Digit
& Transmit



%0HN7

Calculate Check Digit
& Not Transmit



%0HN5

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>



%4 H1 +

Fix Length (2 Sets Available)

1. 1st Set Begin



%4 H0 0

2. Decimal Value
(Appendix A)

3. 1st Set Complete



%4 H0 1

1. 2nd Set Begin



%4 H0 0

2. Decimal Value
(Appendix A)

3. 2nd Set Complete



%4 H0 2

Minimum Length

1. Begin



%2 +- /

2. Decimal Value
(Appendix A)

3. Complete



%2 C3 +

5.7 Matrix 25 Parameters

A> Check Digit Transmission

<Do Not Calculate
Check Digit>



%01 N3

Calculate Check Digit
& Transmit



%01 N7

Calculate Check Digit
& Not Transmit



%01 N5

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>



%41 1+

Fix Length (2 Sets Available)

1. 1st Set Begin



%41 00

2. Decimal Value
(Appendix A)

3. 1st Set Complete



2. Decimal Value
(Appendix A)

1. 2nd Set Begin



%41 00

3. 2nd Set Complete



%41 02

Minimum Length

1. Begin



%2+- /

2. Decimal Value
(Appendix A)

3. Complete



%2C4+

5.8 CODABAR/NW7 Parameters

A> Set Up Start/Stop Characters Upon Transmission

ON



%0 J H1

<OFF>



%0 J H0

B> Transmission Type of Start/Stop

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



%0 4 VF

A Start



%0 4 V1

B Start



%0 4 V2

C Start



%0 4 V4

D Start



%0 4 V8

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



%0 4 FF

A Stop



%0 4 F1

B Stop



%0 4 F2

C Stop



%0 4 F4

D Stop



%0 4 F8

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>



%4J1+

Fix Length (2 Sets Available)

1. 1st Set Begin



%4J00

2. Decimal Value
(Appendix A)

3. 1st Set C complete



%4J01

1. 2nd Set Begin



%4J00

2. Decimal Value
(Appendix A)



%4J02

Minimum Length

1. Begin



%2+-/

2. Decimal Value
(Appendix A)

3. Complete



%2C5+

5.9 Code 93 Parameters

A> Check Digit Transmission

<Calculate Check 2 Digits
& Not Transmit>



%0 KN4

Do Not Calculate
Check Digit



%0 KN3

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>



%4K1+

Fix Length (2 Sets Available)

1. 1st Set Begin



%4K00

2. Decimal Value
(Appendix A)

3. 1st Set Complete



%4K01

1. 2nd Set Begin



%4K00

2. Decimal Value
(Appendix A)

3. 2nd Set Complete



%4K02

Minimum Length

1. Begin



%2+-/

2. Decimal Value
(Appendix A)

3. Complete



%2C6+

5.10 Code 11 Parameters

A> Check Digit Transmission

<Do Not Calculate
Check Digit>



%0LN3

Calculate Check 1
Digit & Transmit



%0LN7

Calculate Check 1 Digit
& Not Transmit



%0LN5

Calculate Check 2
Digits & Transmit



%0LN6

Calculate Check 2 Digits
& Not Transmit



%0LN4

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**



%0 NN3

Calculate Check Digit
& Transmit



%0 NN7

<Calculate Check Digit
& Not Transmit>



%0 NN5

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>



%4 N1 +

Fix Length (2 Sets Available)

1. 1st Set Begin



%4 N0 0

2. Decimal Value
(Appendix A)

3. 1st Set Complete



%4 N0 1

1. 2nd Set Begin



%4 N0 0

2. Decimal Value
(Appendix A)

3. 2nd Set Complete



%4 N0 2

Minimum Length

1. Begin



%2 +- /

2. Decimal Value
(Appendix A)

3. Complete



%2 C9 +

5.12 Code 2 of 6 Parameters

A> Check Digit Transmission

<Do Not Calculate
Check Digit>



%0 PN3

**Calculate Check
Digit & Transmit>**



%0 PN7

Calculate Check Digit
& Not Transmit



%0 PN5

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>



%0QN3

Calculate Check Digit
& Transmit



%0QN7

Calculate Check
Digit & Not Transmit



%0QN5

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>



%4 Q1 +

Fix Length (2 Sets Available)

1. 1st Set Begin



%4 Q0 0

2. Decimal Value
(Appendix A)

3. 1st Set Complete



%4 Q0 1

1. 2nd Set Begin



%4 Q0 0

2. Decimal Value
(Appendix A)



%4 Q0 2

Minimum Length

1. Begin



%2 +- /

2. Decimal Value
(Appendix A)

3. Complete



%2 CC+

5.14 Telepen Parameters

A> Type of Code

<Full ASCII Mode>



%0T80

Compressed Numeric
Mode



%0T88

B> Check Digit Transmission

Do Not Calculate
Check Digit



%0TN3

Calculate Check
Digit & Transmit



%0TN7

<Calculate Check Digit
& Not Transmit>



%0TN5

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%t- /

2. Decimal Value
(Appendix A)

3. Complete



%2CF+

5.15 GS1 Databar

A> GS1 DataBar Omnidirectional

<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

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>



%0ZV0

UK English



%0ZV1

Italian



%0ZV2

Spanish



%0ZV3

French



%0ZV4

German



%0ZV5

Swedish



%0ZV6

Switzerland



%0ZV7

Hungarian



%0ZV8

Japanese



%0ZV9

Belgium



%0ZVA

Portuguese



%0ZVB

Denmark



%0ZVC

Netherlands



%0ZVD

Turkey



%0ZVE

Reserved2



%0ZVF

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	GS1 DataBar	U
GS1 DataBar Limited	V	Omnidirectional GS1 DataBar	W
		Expanded	

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



%@1A+

EAN-13/JAN-13



%@1Y+

CODE 39



%@1E+

CODABAR/NW7



%@1J+

Industrial 25



%@1H+

CODE 93



%@1K+

China Postage



%@1M+

UPC-E



%@1B+

EAN-8/JAN-8



%@1Z+

CODE 128



%@1F+

Interleave 25



%@1G+

Matrix 25



%@1I+

CODE 11



%@1L+

MSI/PLESSEY



%@1N+

Code 2 of 6



%91P+

Telepen



%91T+

LCD25



%91Q+

GS1 DataBar
Omnidirectional ON



%91U+

GS1 DataBar
Limited ON



%91V+

GS1 DataBar
Expanded ON



%91W+

Reserved5



%91R+

Reserved6



%91S+

6.3 Reading Level

Bar Equals High



%031 2

<Bar Equals Low>



%031 0

6.4 Accuracy

<1 Time>



%013 0

2 Times



%013 1

3 Times



%013 2

4 Times



%013 3

6.5 Buzzer Beep Tone

<High>



%01J 3

Medium



%01J 2

Low



%01J 1

Off



%01J 0

6.6 LED Control(SV700 only)

<ON>



%09O 8

OFF



%09O 0

6.7 Sensitivity of Continuous Reading Mode

A> Quick Setting:

<Fast>



%0388

Slow



%0380

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



%3000

2.Decimal Value

(1-50) (Appendix A)

3.Complete



%3001

6.8 Notebook Function

Enable



%0344

<Disable>



%0340

6.9 Reverse Output Characters

<Disable>



%03H0

Enable



%03H1

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



%800+

2. 2nd Set



%801+

3. 3rd Set



%802+

4. 4th Set



%803+

5. 5th Set



%804+

6. 6th Set



%805+

B> Symbolologies Selection

UPC-A



%8 1 A+

EAN-13/JAN-13/ISBN-13



%8 1 Y+

CODE 39



%8 1 E+

CODABAR/NW7



%8 1 J +

Industrial 25



%8 1 H+

CODE 93



%8 1 K+

China Postage



%8 1 M+

UPC-E



%8 1 B+

EAN-8/JAN-8



%8 1 Z+

CODE 128



%8 1 F+

Interleave 25



%8 1 G+

Matrix 25



%8 1 I +

CODE 11



%8 1 L +

MSI/PLESSEY



%8 1 N+

Code 2 of 6



%81P+

Telepen



%81T+

GS1 DataBar
Omnidirectional ON



%81U+

GS1 DataBar
Expanded ON



%81W+

None



%814+

LCD25



%81Q+

GS1 DataBar
Limited ON



%81V+

All Codes



%81S+

C> Character Position to be Deleted

1. Decimal Value
(Appendix A)

2. Complete



%820+

D> Number of Characters to be Deleted

1. Decimal Value
(Appendix A)

2. Complete



%830+

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



%500+

2. 2nd Set



%501+

3. 3rd Set



%502+

4. 4th Set



%503+

5. 5th Set



%504+

6. 6th Set



%505+

B> Symbolologies Selection

UPC-A



%51A+

EAN-13/JAN-13/ISBN-13



%51Y+

CODE 39



%51E+

CODABAR/NW7



%51J+

Industrial 25



%51H+

CODE 93



%51K+

China Postage



%51M+

UPC-E



%51B+

EAN-8/JAN-8



%51Z+

CODE 128



%51F+

Interleave 25



%51G+

Matrix 25



%51I+

CODE 11



%51L+

MSI/PLESSEY



%51N+

Code 2 of 6



Telepen



GS1 DataBar
Omnidirectional ON



GS1 DataBar
Expanded ON



None



LCD255



GS1 DataBar
Limited ON



All Codes



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>



%0XH0

Enable



%0XH1

Appendix A Decimal Value Table



Appendix B ASCII Table

NULL  00	STX  02	SOH  01
ETX  03	ENQ  05	EOT  04
ACK  06	BS  08	BEL  07
HT  09	VT  0B	LF  0A
FF  0C	SO  0E	CR  0D
SI  0F	DC1  11	DLE  10
DC2  12	DC4  14	DC3  13
NAK  15	ETB  17	SYN  16
CAN  18	SUB  19	EM  1A
ESC  1B	GS  1D	FS  1C
RS  1E		US  1F

SPACE



20

!



21

#



23

"



22

\$



24

&



26

%



25

,



27

)



29

(



28

*



2A

,



2C

.



2B

-



2D

/



2F

+



2E

0



30

2



32

1



31

3



33

5



35

4



34

6



36

8



38

7



37

9



39

;



3B

:



3A

<



3C

>



3E

=



3D

?



3F



a
61



b
62



c
63

d
64



f
66

g
67



i
69

j
6A



l
6C

m
6D



o
6F

p
70



r
72

s
73



u
75

v
76



x
78

y
79



{
7B

z
7A



~
7E

DEL
7F

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



All above programming are subject to change without notice.

Save Parameters



Recall Stored
Parameters



Set All Defaults



Start Configuration



End Configuration



Abort Configuration



Version Information

