
Area Imager Bar Code Scanner

2D CONFIGURATION GUIDE



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Note: Due to product improvement programs, specifications and features are subject to change without prior notice.

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Chapter 1 General Description

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.

LEGISLATION AND WEEE SYMBOL

This marking shown on the product or its literature, indicates that it should not be disposed with other households 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 re-use 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.

Chapter 2 Introduction

This document provides an easy way to program the decoding options and interface selections by scanning bar codes listed in this guide.

Important Notice

1. This document is in A6 size. Please check your printing setting before printing it out.
2. When printing barcodes for programming, the use of a high-resolution laser printer is strongly suggested for the best scan result.
3. The settings shall be updated periodically without prior notice. For the latest version, please contact your authorized distributor.

Factory Default Settings

The factory default settings are shown with **< >** and bold in the following sections.

By scanning “Set All Defaults” label, the settings will go back to the factory default settings which are shown as Appendix A.

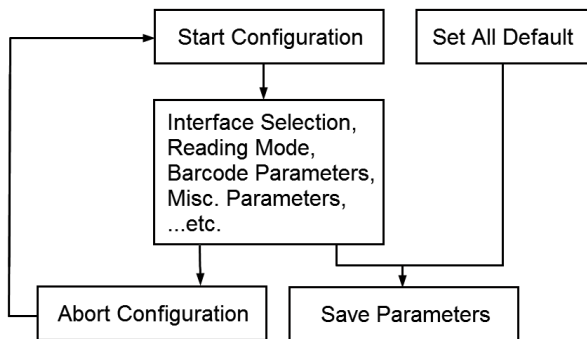
Settings and Programming

Scan a series of selected barcode patches in this manual to affect setup and programming of 2D Image Reader. Decoding options and interface protocols can be tailored to a specific application.

Note: It may need to hide adjacent code patches with hand when doing programming scanning.

Chapter 3 Main Configuration

A. PROGRAMMING FLOW CHART



The programming flow is:

1. Scan "**Start Configuration**" to enter programming status.
2. Looping: Scan all necessary setting parameters that meet your application.
3. Scan "**Save Parameters**" to permanently save the programmed settings.
4. To exit programming status without saving the settings, scan "**Abort Configuration**".
5. To set all settings back default, scan "**Set All Default**" and "**Save Parameters**".

B. MAIN PAGE OF CONFIGURATION

Start Configuration

To enter program status, scan “Start Configuration”.

Start Configuration



%%\$+/3

Save Parameters

All settings will be saved and taken effect immediately.
The scanner exits programming status.

Save Parameters



%%\$+/0

Abort Configuration

To terminate current programming status without saving the settings, scan “Abort Configuration”.

About Configuration



%%\$+/6

Set All Default

Restore factory-configured default (listed in Appendix A) by scanning “Set All Default” followed by “Save Parameters”.

Set All Default



%%\$+/2

Version Information

Scan this barcode without general programming procedure to display decoder version and date code.

Version Information



%\$+/5

C. IMAGER DECODING SETTING

<Standard 1D & 2D Bar Codes>



%%083

1D Bar Codes Only



%%081

2D Bar Codes Only



%%082

Chapter 4 Interface Selection

Configuration Guide

Interface Selection

RS232 Mode



%00U8

<USB Mode>



%0X08

Virtual COM Mode



%0088

Chapter 5 Reading Mode Selection

Good Read OFF

Feature: When press the trigger button, the illumination light turns on to read barcode. When the scanner reads barcode (good read), the illumination light turns off.

- a. If a barcode is read, the illumination light turns off immediately.
- b. If no barcode is read within a certain period, the illumination light turns off.

Trigger ON/OFF

Feature: Trigger to turn on illumination light, release to turn off light. Normal Status: The illumination light is normally off. When press and hold the trigger button, the light turns on to read barcodes.

- a. If a barcode is read, the illumination light turns off immediately.
- b. If no barcode is read and the trigger button is released, the illumination light turns off.

Continuous/Trigger OFF

Feature: The illumination light is continuous on, press trigger to turn off.

Normal Status: The illumination light always keeps on for reading.

- a. When a barcode is read, the illumination light still keeps on for another reading.
- b. When press trigger button, the illumination light turns off. Press the trigger button again, the light returns on.

Continuous/Auto Power ON

Feature: The illumination light is continuous on. It is always auto powered on. Normal Status: The illumination light always keeps on for reading barcodes.

- a. When a barcode is read, the illumination light still keeps on for another reading.
- b. The trigger button is disabled.

Flash

Feature: The illumination light is flashing.

Normal Status: The illumination light always keeps flashing for reading barcodes.

- If a barcode is read, the illumination light turns solid on for a period for another reading.
- If no barcode is read within the period, the illumination light returns flashing.
- When press the trigger button, the illumination light turns off. Press the trigger again, the light returns flashing.

Flash/Auto Power ON

Feature: The illumination light is flashing. It is always auto powered on to flash.

Normal Status: The illumination light always keeps flashing.

- If a barcode is read, the illumination light turns solid on for a period for another reading.
- If no barcode is read within the period, the light returns flashing.
- The trigger button is disabled.

Auto Sense (Option)

Feature: Automatically detects the existing of barcodes.

Normal Status: The illumination light is normally off.

- When a barcode is detected in front of scanner, the illumination light turns on for a period for read barcodes.
- If a barcode is read within the period, the illumination light turns off immediately
- If no barcode is read within the period, the light turns off.
- If pressing the trigger button, the light turns on immediately for a period for read barcodes.

Testing

Feature: Continuous quickly read barcode.

Normal Status: The illumination light always keeps on and the scanner keeps reading barcode quickly.

- When press the trigger button, the illumination light turns off and stops reading. When press the trigger button again, the light turns on and resume reading.
- This mode is for scanner reading test purpose only.

Configuration Guide

Reading Mode Selection

<Good Read OFF>

(Default for Trigger Models)

(Inapplicable to Presentation Models)



%0271

Trigger ON/OFF

(Inapplicable to Presentation Models)



%0270

Continuous/Trigger OFF

(Inapplicable to Presentation Models)



%0272

Configuration Guide

Reading Mode Selection

Testing



%0275

<Continuous/Auto Power On>
(Default for Presentation Models)



%0273

Flash



%0274

Configuration Guide

Reading Mode Selection

Flash/Auto Power On



%0276

Auto Sense (Option)



%09F8

Chapter 6 RS232 Parameters

A. SETUP BAUD RATE

9600



%0Y77

19200



%0Y74

38400



%0Y75

Configuration Guide

RS232 Parameters

57600



%0Y78

<115200>



%0Y79

B. SETUP DATA BITS

7 Data Bits



%0Y80

<8 Data Bits>



%0Y88

C. SETUP STOP BITS

<1 Bit>



%0Y08

2 Bits



%0Y00

D. SETUP PARITY

<None>



%0YN7

Even



%0YN2

Odd



%0YN3

E. HANDSHAKING

RTS/CTS Enable



%0188

<RTS/CTS Disable>



%0180

Configuration Guide

RS232 Parameters

ACK/NAK Enable



%0144

<ACK/NAK Disable>



%0140

XON/XOFF Enable



%03K4

<XON/XOFF Disable>



%03K0

Chapter 7 Keyboard Parameters

A. UPPER/LOWER CASE

<Normal>



%0330

Upper Case



%0331

Lower Case



%0332

B. CAPS LOCK DETECTION

Enable



%0X88

<Disable>



%0X80

C. SEND CHARACTER BY ALT METHOD

Enable



%0308

<Disable>



%0300

D. SELECT NUMERIC PAD

ON



%01K4

<OFF>



%01K0

Chapter 8 Output Characters

A. SELECT TERMINATOR

<CR+LF>



%7S2+

None



%7S7+

CR



%7S0+

Configuration Guide

Output Characters

LF



%7S1+

Space



%7S4+

HT (TAB)



%7S3+

STX-ETX



%7S5+

Configuration Guide

Output Characters

B. TIME-OUT BETWEEN CHARACTERS

<0 ms>



%0070

5 ms



%0071

10 ms



%0072

25 ms



%0073

Configuration Guide

Output Characters

50 ms



%0074

100 ms



%0075

200 ms



%0076

300 ms



%0077

Chapter 9 Symbology Selection

A. 1D SYMBOLOGY SELECTION

<UPC-A ON>



%0A44

UPC-A OFF



%0A40

Configuration Guide

Symbology Selection

<UPC-E ON>



%0B08

UPC-E OFF



%0B00

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



%0A22

EAN-13/JAN-13/ISBN-13 OFF



%0A20

Configuration Guide

Symbology Selection

<EAN-8/JAN-8 ON>



%0A11

EAN-8/JAN-8 OFF



%0A10

<CODE 39 ON>



%0E08

CODE 39 OFF



%0E00

Configuration Guide

Symbology Selection

<CODE 128 ON>



%0FO8

CODE 128 OFF



%0FO0

<CODABAR/NW7 ON>



%0JO8

CODABAR/NW7 OFF



%0JO0

Configuration Guide

Symbology Selection

<Interleaved 25 ON>



%0GO8

Interleaved 25 OFF



%0GO0

Industrial 25 ON



%0HO8

<Industrial 25 OFF>



%0HO0

Configuration Guide

Symbology Selection

Matrix 25 ON



%0IO8

<Matrix 25 OFF>



%0IO0

CODE 93 ON



%0KO8

<CODE 93 OFF>



%0KO0

Configuration Guide

Symbology Selection

CODE 11 ON



%0LO8

<CODE 11 OFF>



%0LO0

China Post ON



%0MO8

<China Post OFF>



%0MO0

Configuration Guide

Symbology Selection

MSI/PLESSEY ON



%0NO8

<MSI/PLESSEY OFF>



%0NO0

Telepen ON



%0TO8

<Telepen OFF>



%0TO0

Configuration Guide

Symbology Selection

GS1 DataBar Omnidirectional ON



%0U08

<GS1 DataBar Omnidirectional OFF>



%0U00

GS1 DataBar Limited ON



%0V08

<GS1 DataBar Limited OFF>



%0V00

Configuration Guide

Symbology Selection

GS1 DataBar Expanded ON



%0WO8

<GS1 DataBar Expanded OFF>



%0WO0

B. 2D SYMBOLOGY SELECTION

Select All Bar Codes



%1A/+

Configuration Guide

Symbology Selection

Aztec ON



%%012

<Aztec OFF>



%%022

<Data Matrix ON>



%%016

Data Matrix OFF



%%026

Configuration Guide

Symbology Selection

Maxi Code ON



%%01C

<Maxi Code OFF>



%%02C

MicroPDF417 ON



%%01D

<MicroPDF417 OFF>



%%02D

Configuration Guide

Symbology Selection

<PDF417 ON>



%%01F

PDF417 OFF



%%02F

<QR Code ON>



%%01I

QR Code OFF



%%02I

Configuration Guide

Symbology Selection

Micro QR Code ON



%%01M

<Micro QR OFF>



%%02M

Han Xin Code ON



%%01L

<Han Xin Code OFF>



%%02L

Configuration Guide

Symbology Selection

Grid Matrix Code ON



%%01N

<Grid Matrix Code OFF>



%%02N

Chapter 10 UPC/EAN/JAN

A. READING TYPE

UPCA=EAN13 ON



%0AK4

<UPCA=EAN13 OFF>



%0AK0

ISBN-10 Enable



%0B88

<ISBN-13 Enable>



%0B80

Configuration Guide

UPC/EAN/JAN

ISSN Enable



%0B44

<ISSN Disable>



%0B40

Decode with Supplemental



%0100

<Auto discriminate Supplemental>



%0108

Configuration Guide

UPC/EAN/JAN

Expand UPC-E Enable



%0BH1

<Expand UPC-E Disable>



%0BH0

EAN8=EAN13 Enable



%0A08

<EAN8=EAN13 Disable>



%0A00

Configuration Guide

UPC/EAN/JAN

UCC Coupon Extended Code Enable



%0DI2

<UCC Coupon Extended Code Disable>



%0DI0

GTIN Format Enable



%0X44

<GTIN Format Disable>



%0X40

B. SUPPLEMENTAL SETUP

<Not Transmit>



%0B33

Transmit Supplemental 2 Digits



%0B31

Transmit Supplemental 5 Digits



%0B32

Configuration Guide

UPC/EAN/JAN

Transmit Supplemental 2&5 Digits



%0B30

C. CHECK DIGIT TRANSMISSION

<UPC-A Check Digit Transmission ON>



%0A12

UPC-A Check Digit Transmission OFF



%0A10

Configuration Guide

UPC/EAN/JAN

<UPC-E Check Digit Transmission ON >



%0BI2

UPC-E Check Digit Transmission OFF



%0BI0

<EAN-8 Check Digit Transmission ON>



%0A88

EAN-8 Check Digit Transmission OFF



%0A80

Configuration Guide

UPC/EAN/JAN

<EAN-13 Check Digit Transmission ON>



%0AH1

EAN-13 Check Digit Transmission OFF



%0AH0

ISSN Check Transmission ON



%0BK4

<ISSN Check Transmission OFF>



%0BK0

Chapter 11 Code 39

A. TYPE OF CODE

<Standard>



%0EH1

Full ASCII



%0EH0

<Italian Pharmacy/Code 32 OFF>



%0E80

Italian Pharmacy/Code 32 ON



%0E88

B. CHECK DIGIT TRANSMISSION

<Do Not Calculate Check Digit>



%0EM2

Calculate Check Digit & Transmit



%0EM6

Calculate Check Digit & Not Transmit



%0EM4

C. OUTPUT START/STOP CHARACTER

Enable



%0E44

<Disable>



%0E40

D. DECODE ASTERISK

Enable



%0E22

<Disable>



%0E20

E. SETUP CODE LENGTH

<Variable>



%4E1+

1. Fix Length 1st Set Begin



%4E00

2. Decimal Value (Appendix C)

3. Fix Length 1st Set Complete



%4E01

Configuration Guide

Code 39

1. Fix Length 2nd Set Begin



%4E00

2. Decimal Value (Appendix C)

3. Fix Length 2nd Set Complete



%4E02

1. Minimum Length Begin



%2+-/

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2C0+

Chapter 12 Code 128

A. READING TYPE

UCC/EAN-128 Enable



%0F44

<UCC/EAN-128 Disable>



%0F40

Configuration Guide

Code 128

<Enable 'JC1' Code>



%0F22

Disable 'JC1' Code



%0F20

<Enable Group Separators (GS)>



%0F11

Disable Group Separators (GS)



%0F10

B. CHECK DIGIT TRANSMISSION

<Do Not Calculate Check Digit>



%0FN1

Calculate Check Digit & Transmit



%0FN7

Calculate Check Digit & Not Transmit



%0FN5

C. APPEND FNC2

ON



%0F88

<OFF>



%0F80

D. SETUP CODE LENGTH

<Variable>



%4F1+

1. Fix Length 1st Set Begin



%4F00

2. Decimal Value (Appendix C)

3. Fix Length 1st Set Complete



%4F01

Configuration Guide

Code 128

1. Fix Length 2nd Set Begin



%4F00

2. Decimal Value (Appendix C)

3. Fix Length 2nd Set Complete



%4F02

1. Minimum Length Begin



%2+-/

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2C1+

Chapter 13 Interleaved 25

A. CHECK DIGIT TRANSMISSION

<Do Not Calculate Check Digit>



%0GN3

Calculate Check Digit & Transmit



%0GN7

Calculate Check Digit & Not Transmit



%0GN5

B. SETUP NUMBER OF CHARACTERS

<Even>



%0G88

Odd



%0G80

C. BRAZILLIAN BANKING CODE

<Disable>



%0G40

Enable



%0G44

D. SETUP CODE LENGTH

<Variable>



%4G1+

1. Fix Length 1st Begin



%4G00

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%4G01

Configuration Guide

Interleaved 25

1. Fix Length 2nd Begin



%4G00

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%4G02

1. Minimum Length Begin



%2+ -/

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2C2+

Chapter 14 Industrial 25

A. READING TYPE

IATA25 ENABLE



%0H44

<IATA25 DISABLE>



%0H40

B. CHECK DIGIT TRANSMISSION

<Do Not Calculate Check Digit>



%0HN3

Calculate Check Digit & Transmit



%0HN7

Calculate Check Digit & Not Transmit



%0HN5

C. SETUP CODE LENGTH

<Variable>



%4H1+

1. Fix Length 1st Begin



%4H00

2. Decimal Value
(Appendix C)

3. Fix Length 1st Complete



%4H01

1. Fix Length 2nd Begin



%4H00

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%4H02

1. Minimum Length Begin



%2+/-

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2C3+

Chapter 15 Matrix 25

A. CHECK DIGIT TRANSMISSION

<Do Not Calculate Check Digit>



%0IN3

Calculate Check Digit & Transmit



%0IN7

Calculate Check Digit & Not Transmit



%0IN5

B. SET UP CODE LENGTH

<Variable>



%4I1+

1. Fix Length 1st Begin



%4I00

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%4I01

Configuration Guide

Matrix 25

1. Fix Length 2nd Begin



%4I00

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%4I02

1. Minimum Length Begin



%2+ -/

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2C4+

Chapter 16 CODABAR/NW7

A. START/STOP CHARACTERS

ON



%0JH1

<OFF>



%0JH0

B. TRANSMISSION TYPE OF START/STOP

<A/B/C/D Start>



%04VF

<A/B/C/D Stop>



%04FF

Configuration Guide

CODABAR/NW7

A Start



%04V1

A Stop



%04F1

B Start



%04V2

B Stop



%04F2

Configuration Guide

CODABAR/NW7

C Start



%04V4

C Stop



%04F4

D Start



%04V8

D Stop



%04F8

C. SET UP CODE LENGTH

<Variable>



%4J1+

1. Fix Length 1st Begin



%4J00

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%4J01

Configuration Guide

CODABAR/NW7

1. Fix Length 2nd Begin



%4J00

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%4J02

1. Minimum Length Begin



%2+ -/

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2C5+

Chapter 17 Code 93

A. CHECK DIGIT TRANSMISSION

Do Not Calculate Check Digit



%0KN3

<Calculate 2 Check Digits & Not Transmit>



%0KN4

B. SET UP CODE LENGTH

<Variable>



%4K1+

1. Fix Length 1st Begin



%4K00

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%4K01

1. Fix Length 2nd Begin



%4K00

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%4K02

1. Minimum Length Begin



%2+/-

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2C6+

Chapter 18 CODE 11

A. CHECK DIGIT TRANSMISSION

<Do Not Calculate Check Digit>



%0LN3

Calculate 1 Check Digit & Transmit



%0LN7

Calculate 1 Check Digit & Not Transmit



%0LN5

Calculate 2 Check Digit & Transmit



%0LN6

Calculate 2 Check Digit & Not Transmit



%0LN4

B. SET UP CODE LENGTH

<Variable>



%4L1+

1. Fix Length 1st Begin



%4L00

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%4L01

Configuration Guide

CODE 11

1. Fix Length 2nd Begin



%4L00

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%4L02

1. Minimum Length Begin



%2+ -/

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2C7+

Chapter 19 MSI/PLESSEY

B. CHECK DIGIT TRANSMISSION

<Do Not Calculate Check Digit>



%0NN3

Calculate Check Digit & Transmit



%0NN7

Calculate Check Digit & Not Transmit



%0NN5

B. SET UP CODE LENGTH

<Variable>



%4N1+

1. Fix Length 1st Begin



%4N00

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%4N01

1. Fix Length 2nd Begin



%4N00

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%4N02

1. Minimum Length Begin



%2+ -/

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2C9+

Chapter 20 Telepen

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

<Variable>



%4T1+

1. Fix Length 1st Begin



%4T00

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%4T01

1. Fix Length 2nd Begin



%4T00

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%4T02

1. Minimum Length Begin



%2+ -/

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2CF+

Chapter 21 GS1 DataBar

A. GS1 DATABAR OMNIDIRECTIONAL

<Transmit Check Digit>



%0UN7

Don't Transmit Check Digit



%0UN5

Configuration Guide

GS1 DataBar> DataBar Omnidirectional

<Transmit Application ID>



%0U88

Don't Transmit Application ID



%0U80

<Transmit Symbology ID>



%0U44

Don't Transmit Symbology ID



%0U40

B. GS1 DATABAR LIMITED

<Transmit Check Digit>



%0VN7

Don't Transmit Check Digit



%0VN5

Configuration Guide

GS1 DataBar> GS1 DataBar LIMITED

<Transmit Application ID>



%0V88

Don't Transmit Application ID



%0V80

<Transmit SymbologyID>



%0V44

Don't Transmit Symbology ID



%0V40

C. GS1 DATABAR EXPANDED

< Transmit Symbology ID>



%0W44

Don't Transmit Symbology ID



%0W40

Chapter 22 Aztec

SET UP CODE LENGTH

<Variable>



%%22+

1. Fix Length 1st Begin



%%22L

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%%22Y

1. Fix Length 2nd Begin



%%22L

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%%22Z

1. Minimum Length Begin



%%2+/-

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%%2CA+

Chapter 23 Data Matrix

SET UP CODE LENGTH

<Variable>



%%26+

1. Fix Length 1st Begin



%%26L

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%%26Y

Configuration Guide

Data Matrix

1. Fix Length 2nd Begin



%%26L

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%%26Z

1. Minimum Length Begin



%2+/-

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2CC+

Chapter 24 MaxiCode

SET UP CODE LENGTH

<Variable>



%%2C+

1. Fix Length 1st Begin



%%2CL

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%%2CY

Configuration Guide

MaxiCode

1. Fix Length 2nd Begin



%%2CL

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%%2CZ

1. Minimum Length Begin



%2+/-

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2CD+

Chapter 25 PDF417

SET UP CODE LENGTH

<Variable>



%%2F+

1. Fix Length 1st Begin



%%2FL

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%%2FY

1. Fix Length 2nd Begin



%%2FL

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%%2FZ

1. Mimum Length Begin



%2+/-

2. Decimal Value (Appendix C)

3. Mimum Length Complete



%2CJ+

Chapter 26 MicroPDF417

SET UP CODE LENGTH

<Variable>



%%2D+

1. Fix Length 1st Begin



%%2DL

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%%2DY

1. Fix Length 2nd Begin



%%2DL

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%%2DZ

1. Minimum Length Begin



%2+/-

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2CE+

Chapter 27 QR Code

SET UP CODE LENGTH

<Variable>



%%2I+

1. Fix Length 1st Begin



%%2IL

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%%2IY

1. Fix Length 2nd Begin



%%2IL

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%%2IZ

1. Minimum Length Begin



%%2+/-

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%%2CG+

Chapter 28 Micro QR Code

SET UP CODE LENGTH

<Variable>



%%2N+

1. Fix Length 1st Begin



%%2NL

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%%2NY

Configuration Guide

Micro QR Code

1. Fix Length 2nd Begin



%%2NL

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%%2NZ

1. Minimum Length Begin



%2+/-

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2CH+

Chapter 29 Han Xin Code

SET UP CODE LENGTH

<Variable>



%%2L+

1. Fix Length 1st Begin



%%2LL

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%%2LY

1. Fix Length 2nd Begin



%%2LL

2. Decimal Value (Appendix C)

Fix Length 2nd Complete



%%2LZ

1. Minimum Length Begin



%%2+/-

2. Decimal Value (Appendix C)

Minimum Length Complete



%%2CI+

Chapter 30 Grid Matrix

SET UP CODE LENGTH

<Variable>



%%20+

1. Fix Length 1st Begin



%%20L

2. Decimal Value (Appendix C)

3. Fix Length 1st Complete



%%20Y

Configuration Guide

Grid Matrix

1. Fix Length 2nd Begin



%%2OL

2. Decimal Value (Appendix C)

3. Fix Length 2nd Complete



%%2OZ

1. Minimum Length Begin



%2+/-

2. Decimal Value (Appendix C)

3. Minimum Length Complete



%2CK+

Chapter 31 Language Selection

Configuration Guide

Language Selection

This language selection applies only to the USB HID (Human Interface Device Keyboard Emulation) devices.

<US English Keyboard >



%0ZV0

UK English Keyboard



%0ZV1

Italian Keyboard



%0ZV2

Configuration Guide

Language Selection

Spanish Keyboard



%0ZV3

French Keyboard



%0ZV4

German Keyboard



%0ZV5

Configuration Guide

Language Selection

Swedish Keyboard



%0ZV6

Swiss Keyboard



%0ZV7

Hungarian Keyboard



%0ZV8

Configuration Guide

Language Selection

Japanese Keyboard



%0ZV9

Belgium Keyboard



%0ZVA

Portuguese Keyboard



%0ZVB

Configuration Guide

Language Selection

Danish Keyboard



%0ZVC

Dutch Keyboard



%0ZVD

Turkish Keyboard



%0ZVE

Reserved



%0ZVF

Chapter 32 Bar Code ID

Code ID identifies the code type of a scanned bar code. This is useful when the decoder is decoding more than one code type. In addition to any single prefix already added, the code ID characters are inserted between the prefix and the decoded data.

Select no Code ID, default Code ID, AIM Code ID, or user defined Code ID to meet required application.

For default Code Identifiers and AIM Code Identifiers, see Appendix B.

A. IDENTIFIER FORMAT

ON



%00H1

<OFF>



%00H0

<Default Code Identifiers>



%913+

AIM Code Identifiers



%00H2

B. USER DEFINE CODE ID

To set the user define code ID:

1. Scan symbology “Begin”.
2. Go to ASCII Characters in Appendix D. Scan the barcode(s) that represents the desired code ID.
3. Scan symbology “Complete”.

Note: The maximum defined characters for Code ID are 3.

1.UPC-A Begin



%91A+

2. ASCII Characters (Appendix D)

3.UPC-A Complete



%91A0

Configuration Guide

Bar Code ID

1. UPC-E Begin



%91B+

2. ASCII Characters (Appendix D)

3. UPC-E Complete



%91B0

Configuration Guide

Bar Code ID

1.EAN-13/JAN-13 Begin



%91Y+

2. ASCII Characters (Appendix D)

3.EAN-13/JAN-13 Complete



%91Y0

1.EAN-8/JAN-8 Begin



%91Z+

2. ASCII Characters (Appendix D)

3.EAN-8/JAN-8 Complete



%91Z0

Configuration Guide

Bar Code ID

1.CODE 39 Begin



%91E+

2. ASCII Characters (Appendix D)

3.CODE 39 Complete



%91E0

1.CODE 128 Begin



%91F+

2. ASCII Characters (Appendix D)

3.CODE 128 Complete



%91F0

Configuration Guide

Bar Code ID

1.CODABAR/NW7 Begin



%91J+

2. ASCII Characters (Appendix D)

3.CODABAR/NW7 Complete



%91J0

1.Interleaved 25 Begin



%91G+

2. ASCII Characters (Appendix D)

3.Interleaved 25 Complete



%91G0

Configuration Guide

Bar Code ID

1.Industrial 25 Begin



%91H+

2. ASCII Characters (Appendix D)

3.Industrial 25 Complete



%91H0

1.Matrix 25 Begin



%91I+

2. ASCII Characters (Appendix D)

3.Matrix 25 Complete



%91I0

Configuration Guide

Bar Code ID

1.CODE 93 Begin



%91K+

2. ASCII Characters (Appendix D)

3.CODE 93 Complete



%91K0

1.CODE 11 Begin



%91L+

2. ASCII Characters (Appendix D)

3.CODE 11 Complete



%91L0

Configuration Guide

Bar Code ID

1.China Post Begin



%91M+

2. ASCII Characters (Appendix D)

3.China Post Complete



%91M0

1.MSI/PLESSEY Begin



%91N+

2. ASCII Characters (Appendix D)

3.MSI/PLESSEY Complete



%91N0

Configuration Guide

Bar Code ID

1.Telepen Begin



%91T+

2. ASCII Characters (Appendix D)

3.Telepen Complete



%91T0

Configuration Guide

Bar Code ID

1.GS1 DataBar Omnidirectional Begin



%91U+

2. ASCII Characters (Appendix D)

3.GS1 DataBar Omnidirectional Complete



%91U0

1.GS1 DataBar Limited Begin



%91V+

2. ASCII Characters (Appendix D)

3.GS1 DataBar Limited Complete



%91V0

Configuration Guide

Bar Code ID

1.GS1 DataBar Expanded Begin



%91W+

2. ASCII Characters (Appendix D)

3.GS1 DataBar Expanded Complete



%91W0

Configuration Guide

Bar Code ID

1.UCC/EAN-128 Begin



%91R+

2. ASCII Characters (Appendix D)

3.UCC/EAN-128 Complete



%91R0

1.Reserved Begin



%91S+

2. ASCII Characters (Appendix D)

3.Reserved Complete



%91S0

Configuration Guide

Bar Code ID

1.Aztec Begin



%%03A

2. ASCII Characters (Appendix D)

3.Aztec Complete



%%03N

1.Data Matrix Begin



%%03C

2. ASCII Characters (Appendix D)

3.Data Matrix Complete



%%03P

Configuration Guide

Bar Code ID

1.MaxiCode Begin



%%03D

2. ASCII Characters (Appendix D)

3.MaxiCode Complete



%%03Q

1.PDF417 Begin



%%03F

2. ASCII Characters (Appendix D)

3.PDF417 Complete



%%03S

Configuration Guide

Bar Code ID

1. Micro PDF417 Begin



%%03E

2. ASCII Characters (Appendix D)

3. Micro PDF417 Complete



%%03R

1. QR Code Begin



%%03G

2. ASCII Characters (Appendix D)

3. QR Code Complete



%%03T

Configuration Guide

Bar Code ID

1. Micro QR code Begin



%%03H

2. ASCII Characters (Appendix D)

3. Micro QR code Complete



%%03U

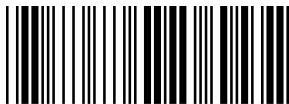
1. Han Xin Code Begin



%%03I

2. ASCII Characters (Appendix D)

3. Han Xin Code Complete



%%03V

Configuration Guide

Bar Code ID

1. Grid Matrix Code Begin



%%03J

2. ASCII Characters (Appendix D)

3. Grid Matrix Code Complete



%%03W

Chapter 33 Accuracy

ACCURACY

<1 Time>



%0130

2 Times



%0131

3 Times



%0132

4 Times



%0133

Chapter 34 Beep

Configuration Guide

Beep

BEEP TONE

<High>



%01J3

Medium



%01J2

Low



%01J1

Off



%01J0

Configuration Guide

Beep

BEEP DURATION

The value is from 1 - 255. (Default is 10). Each level=10ms, e.g. 1=10ms, 2=20ms, 10=100ms..., 255=2550ms=2.55sec.

To configure beep duration, scan:

1. Scan "Begin".
2. Go to Decimal Value Table in Appendix C. Scan barcode(s) that represents the duration value.
3. Scan "Complete".

1.Begin



%%371

2. Decimal Value (1-255) (Appendix C)

3.Complete



%%372

Configuration Guide

Beep

SILENT TIME BETWEEN BEEPS

The value is from 1 - 255. (Default is 3). Each level=10ms, e.g. 1=10ms, 2=20, 3=30ms..., 255==2550ms=2.55sec.

To configure the value, scan:

1. Scan "Begin".
2. Go to Decimal Value Table in Appendix C. Scan barcode(s) that represents the value.
3. Scan "Complete"

1.Begin



%%381

2. Decimal Value (1-255) (Appendix C)

3.Complete



%%382

BEEP OPTIONS

<Good Read Beep ON>



%%391

Good Read Beep OFF



%%39A

<Error beep ON>



%%392

Error beep OFF



%%39B

Configuration Guide

Beep

<Power on beep ON>



%0C44

Power on beep OFF



%0C40

<Configure command beep ON>



%%393

Configure command beep OFF



%%39C

Chapter 35 Sensitivity of Continuous Reading

A. QUICK SETTING

<Fast>



%0388

Slow



%0380

B. AVOID SAME CODE DOUBLE READING

Enable



%0244

<Disable>



%0240

C. SAME CODE DELAY INTERVAL

This is to configure the length of delay time prior to an identical barcode can be rescanned. The value is defined from 1 - 50 that represents 100ms - 5 seconds in 100ms interval. The default value is 5 (0.5 seconds). This setting is only applicable to continuous and flash reading modes.

To setup same code delay reading interval:

1. Scan "Begin".
2. Go to Decimal Value Table in Appendix C. Scan barcode(s) that represents the delay reading interval. The range is from 1 to 50. An interval represents 0.1 second. Therefore, the available range is from 0.1 to 5 seconds.
3. Scan "Complete".

Configuration Guide

Sensitivity of Continuous Reading

1.Begin



%3000

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

3.Complete



%3001

Chapter 36 INDICATOR/AIMER/ ILLUMINATION

Configuration Guide

Indicator/Aimer/Illumination

INDICATOR

<Enable>



%0208

Disable



%0200

AIMER

<Enable>



%02K4

Disable



%02K0

ILLUMINATION

<Enable>



%0212

Disable



%0210

AUTOMATIC ILLUMINATION BRIGHTNESS

<Enable>



%02H1

Disable



%02H0

Configuration Guide

Indicator/Aimer/Illumination

ILLUMINATION BRIGHTNESS

This setting is activated when 'Automatic Illumination Brightness' is disabled. The brightness value is from 1 - 100. (Default is 50)

To configure fixed brightness, scan:

1. Scan "Begin".
2. Go to Decimal Value Table in Appendix C. Scan barcode(s) that represents the brightness value.
3. Scan "Complete"

1.Begin



%02H1

2. Decimal Value (1-100) (Appendix C)

3.Complete



%02H0

INDICATOR AFTER GOOD READ

<Normal OFF>



%%3K1

Normal ON



%%3K0

INDICATOR FLASHING

Enable



%%310

<Disable>



%%311

ILLUMINATION FLASHING AFTER GOOD READ

Enable



%%3J1

<Disable>



%%3J0

AIMER ALWAYS ON

Enable



%%3L1

<Disable>



%%3L0

Chapter 37 Image Type

INVERSED IMAGE

<Disable>



%%3B0

Inversed Image Only



%%3B1

Both



%%3B2

MIRRORED IMAGE

<Disable>



%%3B3

Mirrored Image Only



%%3B4

Both



%%3B5

SCREEN READING

This mode improves reading performance for bar codes displayed on mobile phones or electronic displays.

Enable



%%3B7

<Disable>



%%3B6

Chapter 38 Miscellaneous

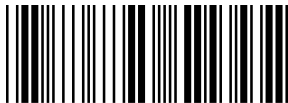
AUTOSENSE SENSITIVITY

The sensitivity value is from 80 to 90. (Default is 85.)

To configure sensitivity, scan:

1. Scan "Begin".
2. Go to Decimal Value Table in Appendix C. Scan barcode(s) that represents the sensitivity value.
3. Scan "Complete"

1.Begin



%%301

2. Decimal Value (80-90) (Appendix C)

3.Complete



%%302

REVERSE OUTPUT CHARACTERS

<Disable>



%03H0

Enable



%03H1

POWER SAVING MODE

<Disable>



%%3D0

Enable



%%3D1

TIME TO ENTER POWER SAVING

The value is from 1 to 120. (Default is 20). Each level=0.5min, e.g. 1=0.5min, 2=1min, 20=10min..., 120=60min.

1.Begin



%%3D2

2. Decimal Value (1-120)
(Appendix C)

3.Complete



%%3D3

Chapter 39 Multi-Byte Character Output

Configuration Guide

Multi-Byte Character Output

CODEPAGES

Scan corresponding codepage to read multi-byte encoded barcodes for Asian characters. **ONLY** one codepage is activated at a time.

<None>



%%3C0

BIG-5



%%3C1

GB2312



%%3C2

Configuration Guide

Multi-Byte Character Output

Shift-JIS



%%3C3

KSC5601



%%3C4

UTF8-Traditional Chinese



%%3C5

UTF8-Simplified Chinese



%%3C6

Configuration Guide

Multi-Byte Character Output

UTF8-Japanese



%%3C7

UTF8-Korean



%%3C8

Chapter 40 Bluetooth Configuration (Option)

Set BT Parameter Default



#+\$000C\$

Scanner Mode

When connected via Bluetooth, select one of the following Bluetooth predefined profiles.

<SPP Master Mode>



%A1J3

Follow the steps below to setup the connection between the scanner and cradle.

- 1) Scan “**SPP Master Mode**” to set the scanner in SPP master mode.
- 2) Scan the Bluetooth **MAC address barcode** located on the bottom of the cradle.
- 3) When the Bluetooth MAC address barcode is successfully scanned, the scanner sounds 3 short beeps with green LED flash once.
- 4) Wait approximately five seconds for BT pairing process.
- 5) If the connection is successful, the scanner sounds an ascending tone and the blue LED flashes slowly, and the cradle blue LED is continuous on.

SPP Slave Mode



%A1J2

Follow the steps below to setup the connection between the scanner and Bluetooth device.

- 1) Scan “**SPP Slave Mode**” to set the scanner in SPP slave mode.
- 2) Search the scanner by Bluetooth device. Enter the pin code (default 00:00:00) to setup the connection when prompt.
- 3) When scanner is successful connected, the scanner sounds an ascending tone and the blue LED flashes slowly.

HID Slave Mode



%A1J0

Follow the steps below to setup the connection between the scanner and Bluetooth device in HID Slave mode.

- 1) Scan “**HID Slave Mode**” to set the scanner in HID slave mode.
- 2) Search the scanner by Bluetooth device. Enter the pin code to setup pairing. Go to Numeric Keypad Table in **Appendix E** to scan the number 0-9 for pin code when prompt.
- 3) When scanner is successful connected, the scanner sounds an ascending tone and the blue LED flashes slowly

Out of Range

When “Out of Range” function is enabled, the scanner is still working at the distance that is out of Bluetooth transmission range. The scanned data will be stored in Scanner’s memory. All the stored data will be transmitted to host device once the link is reconnected, and all the data stored in memory will be cleared.

<Enable>



%A144

Disable



%A140

Cradle ID Visible

<Enable>



%A280

Disable



%A281

Auto Connect

In HID Slave Mode, when scanner is back from out-of-BT-connection distance to BT-connection range, the scanner automatically resumes Bluetooth connection to host.

<Enable>



%A188

Disable



%A180

Back to Range and Send Data

When scanner is back to BT connection range, it automatically resumes connection and the stored data will be sent to host. Ensure the connection quality is secured and press trigger to start sending data by setting “Trigger to Send”.

The scanner automatically sends data upon the connection is resumed by setting “Auto Send”. This setting only applies to HID Slave Mode.

<Trigger to Send>



%A4K0

Auto Send



%A4K4

Configuration Guide

Bluetooth Configuration

Virtual Keyboard

When connect to iOS in HID Slave Mode, double click trigger to pop up/dismiss the virtual keyboard.

<Enable>



%A408

Disable



%A400

Configuration Guide

Bluetooth Configuration

Sleep Mode

The scanner is equipped with sleep mode function to save battery energy when the scanner is not used for 1 minute or 10 minutes. During sleep mode, all the functions and connection will be halted until pressing the trigger button. The communication with cradle or Bluetooth device will be reconnected.

1 min



%A272

10 min



%A273

<OFF >



%A270

Batch Mode

ON



%A108

<OFF>



%A100

Configuration Guide

Bluetooth Configuration

“****” indicates “Quick Setting Barcode”.

The function can be executed directly by scanning barcode instead of doing the general programming process.

***Delete Last Data



%+\$000O\$

***Batch Data Read



%+\$000H\$

***Batch Data Clear



%+\$000I\$

Configuration Guide

Bluetooth Configuration

Firmware Version

Display the decoder version and date code.

Scanner



%+\$000K\$

Cradle



%+\$000Y\$

MAC Address

Scanner MAC Address



%+\$000L\$

Cradle MAC Address



%+\$001P\$

Chapter 41 Data Editing

IDC QR CODE

The scanned data can be edited by Intelligent Data Composer (IDC) as required output format. The data editing rules can be generated by IDC as a composite QR code. Simply scan this QR code to apply all editing rules to output data.

<Disable>



%%3A0

Enable



%%3A1

Chapter 42 Customer Define Strings

READ STRINGS

The customers can define their own strings and simply read the following barcodes to directly output the pre-defined strings. The strings should be pre-configured by software. 10 strings are available.

Read String 0



%%060

Read String 1



%%061

Read String 2



%%062

Configuration Guide

Customer Define Strings

Read String 3



%%063

Read String 4



%%064

Read String 5



%%065

Configuration Guide

Customer Define Strings

Read String 6



%%066

Read String 7



%%067

Read String 8



%%068

Configuration Guide

Customer Define Strings

Read String 9



%%069

APPENDIX A: Default Parameters

RS232 Parameter	
BAUD Rate	115200
Data Bits	8 Data Bits
Stop Bits	1 Bit
Parity	None
Handshaking	RTS/CTS Disable
	ACK/NAK Disable
	XON/XOFF Disable
Keyboard Parameter	
Upper/Lower Case	Normal
Caps Lock Detection	Disable
Send Character By ALT Method	Disable
Select Numerical Pad	OFF
Output Characters	
Terminator	CR + LF
Time-out Between Characters	0 ms
Symbologies ON/OFF	
1D Barcode	
UPC-A	ON
UPC-E	ON
EAN-13/JAN-13/ISBN-13	ON
EAN-8/JAN-8	ON
CODE 39	ON
CODE 128	ON
CODABAR/NW7	ON
Interleaved 25	ON
Industrial 25	OFF
Matrix 25	OFF
CODE 93	OFF
CODE 11	OFF

China Post	OFF
MSI/PLESSEY	OFF
Telepen	OFF
GS1 DataBar Omnidirectional	OFF
GS2 DataBar Limited	OFF
GS2 DataBar Expanded	OFF
2D Barcode	
Aztec	OFF
DataMatrix	ON
MaxiCode	OFF
PDF417	ON
MicroPDF417	OFF
QR Code	ON
Micro QR	OFF
HAN XIN	OFF
Grid Matrix Code	OFF
All Symbolologies' Code Length	Any Length
UPC/EAN/JAN	
UPCA=EAN13	Disable
ISBN-10	Disable
ISBN-13	Enable
ISSN	Disable
Auto discriminate Supplemental	Enable
Expand UPC-E	Disable
EAN8=EAN13	Disable
UCC Coupon Extended Code	Disable
GTIN Format	Disable
Supplemental	Not Transmit
Check Digit Transmission	
UPC-A Check Digit Transmission	ON
UPC-E Check Digit Transmission	ON
EAN-8 Check Digit Transmission	ON
EAN-13 Check Digit Transmission	ON

ISSN Check Transmission	OFF
Code 39	
Italian Pharmacy/Code 32	OFF
Check Digit Transmission	Not Calculate Check Digit
Output Start/Stop Character	Disable
Decode Asterisk	Disable
Code 128	
UCC/EAN-128	Disable
'JC1' Code	Enable
Group Separators (GS)	Enable
Check Digit Transmission	Not Calculate Check Digit
Append FNC2	OFF
Interleaved 25	
Check Digit Transmission	Not Calculate Check Digit
Number of Character	Even
Brazilian Banking Code	Disable
Industrial 25	
IATA25	Disable
Check Digit Transmission	Not Calculate Check Digit
Matrix 25	
Check Digit Transmission	Not Calculate Check Digit
CODABAR/NW7	
Start/Stop Characters	OFF
Start/Stop Transmission Type	A/B/C/D Start
	A/B/C/D Stop
Code 93	
Check Digit Transmission	Calculate 2 Check Digits & Not Transmit
CODE 11	
Check Digit Transmission	Not Calculate Check Digit
MSI/PLESSEY	
Check Digit Transmission	Not Calculate Check Digit
Telepen	

Type of Code	Full ASCII Mode
Check Digit Transmission	Not Calculate Check Digit
GS1 DataBar	
1.GS1 DataBar Omnidirectional	
Transmit Check Digit	Enable
Transmit Application ID	Enable
Transmit Symbolology ID	Enable
2.GS1 DataBar Limited	
Transmit Check Digit	Enable
Transmit Application ID	Enable
Transmit Symbolology ID	Enable
3.GS1 DataBar Expanded	
Transmit Symbolology ID	Enable
Language Selection	US English
Bar Code ID	
Code Identifier	OFF
Default or AIM Code Identifiers	Default
Accuracy	1 Time
Beep	
Beep Tone	High
Beep Duration	10=100ms
Silent Time Between Beeps	3=30ms
Good Read Beep	ON
Error Beep	ON
Power on Beep	ON
Configure Command Beep	ON
INDICATOR/AIMER/ILLUMINATION	
Indicator	Enable
Aimer	Enable
Illumination	Enable
Automatic illumination Brightness	Enable
Illumination Brightness	Default 50

Indicator On/Off After Good Read	Normal OFF
Indicator Flashing	Disable
Illumination Flashing after Good Read	Disable
Aimer Always ON	Disable
Image Type	
Inversed image	Disable
Mirrored image	Disable
Screen Reading Mode	Disable
Miscellaneous	
Reverse Output Characters	Disable
Power Saving Mode	Disable
Multi-Byte Character Output	Disable
Bluetooth Configuration(Optional)	
Scanner Mode	SPP Master Mode
Working when out of range	Enable
Cradle ID Visible	Enable
Auto Connect	Enable
Back to Range and Send Data	Trigger to Send
Virtual Keyboard	Enable
Sleep Mode	OFF
Batch Mode	OFF

APPENDIX B: Code Identifiers

1. Default Code Identifiers

Code ID	Bar Code Type
A	UPC-A, UPC-E, UPC-E1, EAN-8, EAN-13
B	Code 39, Code 32
C	Codabar
D	Code 128
E	Code 93
F	Interleaved 2 of 5
G	Discrete 2 of 5, or Discrete 2 of 5 IATA
H	Code 11
J	MSI
K	UCC/EAN-128
L	Bookland EAN
M	Trioptic Code 39
N	Coupon Code
R	RSS Family
T	UCC Composite, TLC 39

X	PDF417, Macro PDF417, Micro PDF417
P00	Data Matrix
P01	QR Code
P02	Maxicode
P03	US Postnet
P04	US Planet
P05	Japan Postal
P06	UK Postal
P08	Dutch Postal
P09	Australian Postal
P09	UK Postal

2. AIM Code Identifiers

Each AIM Code Identifier contains the three-character string]cm where:

] = Flag Character (ASCII 93)

c = Code Character

m = Modifier Character

Code ID	Bar Code Type
A	Code 39, Code 39 Full ASCII, Code 32
C	Code 128, Coupon (Code 128 portion)
d	Data Matrix
E	UPC/EAN, Coupon (UPC portion)
e	RSS Family
F	Codabar
G	Code 93
H	Code 11
I	Interleaved 2 of 5
L	PDF417, Macro PDF417, Micro PDF417
M	MSI
Q	QR Code
S	Discrete 2 of 5, IATA 2 of 5
U	Maxicode
X	Bookland EAN, Trioptic Code 39, US Postnet, US Planet, UK Postal, Japan Postal, Australian Postal, Dutch Postal

APPENDIX C: Decimal Value Table

0



1



2



3



4



5



6



7



8



9



APPENDIX D: ASCII Characters

NULL



00

SOH



01

STX



02

ETX



03

EOT



04

ENQ



05

ACK



06

BEL



07

BS



08

HT



09

LF



0A

VT



0B

FF



0C

CR



0D

SO



0E

SI



0F

DLE



10

DC1



11

DC2



12

DC3



13

DC4



14

NAK



15

SYN



16

ETB



17

CAN



18

EM



19

SUB



1A

ESC



1B

FS



1C

GS



1D

RS



1E

US



1F

SPACE



20

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21

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22

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23

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24

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25

&



26

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27

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28

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29

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2B

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2C

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2D

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2E

/



2F

0



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1



31

2



32

3



33

4



34

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35

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36

7



37

8



38

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39

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3A

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3B

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3C

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3D

>



3E

?



3F

@



40

A



41

B



42

C



43

D



44

E



45

F



46

G



47

H



48

I



49

J



4A

K



4B

L



4C

M



4D

N



4E

O



4F

P



50

Q



51

R



52

S



53

T



54

U



55

V



56

W



57

X



58

Y



59

Z



5A

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5B

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5C

]



5D

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5E

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5F

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60

a



61

b



62

c



63

d



64

e



65

f



66

g



67

h



68

i



69

j



6A

k



6B

l



6C

m



6D

n



6E

o



6F

p



70

q



71

r



72

s



73

t



74

u



75

v



76

w



77

x



78

y



79

z



7A

{



7B

|



7C

}



7D

~



7E

DEL



7F

APPENDIX E: Numeric Keypad Table

The table is for Bluetooth PIN code input.

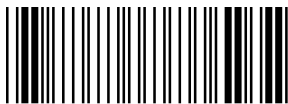
0		1	
2		3	
4		5	
6		7	
8		9	
Enter			

Start Configuration



%%\$+/3

Save Parameters



%%\$+/0

About Configuration



%%\$+/6

Set All Default



%%\$+/2

Version Information



%%\$+/5

2017 Nov.

0145-88ER00R1 V2.0