# Logic Controls

# I-150

## Linear Imaging Barcode Scanner

# Programming Guide

# Important Notice

No warranty of any kind is made in regard to this material, including, but not limited to, implied warranties of merchantability or fitness for any particular purpose. We are not liable for any errors contained herein nor for incidental or consequential damages in connection with furnishing, performance or use of this material. We shall be under no liability in respect of any defect arising from fair wear and tear, willful damage, negligence, abnormal working conditions, failure to follow the instructions and warnings, or misuse or alteration or repair of the products without written approval. No part of this document may be reproduced, transmitted, stored in a retrieval system, transcribed, or translated into any human or computer or other language in any form or by any means electronic, mechanical, magnetic, optical, chemical, biological, manual or otherwise, except for brief passages which may be quoted for purposes of scholastic or literary review, without express written consent and authorization. We reserve the right to make changes in product design without reservation and without notification. The material in this guide is for information only and is subject to change without notice. All trademarks mentioned herein, registered or otherwise, are the properties of their various, ill, assorted owners.

## *General Handling Precautions*

Do not dispose the scanner in fire.
Do not put the scanner directly in the sun or by any heat source.
Do not use or store the scanner in a very humid place.
Do not drop the scanner or allow it to collide violently with other objects.
Do not take the scanner apart without authorization

## *Guidance for Printing*

This manual is in A5 size. Please double check your printer setting before printing it out. When the barcodes are to be printed out for programming, the use of a high-resolution laser printer is strongly suggested for the best scan result.

# Table of Contents

# Using the Scanner

1. Ensure that the scanner is connected to the host computer correctly.

2. Hold down the trigger button to activate the red aiming line and the white illumination pattern. The illumination pattern is used to illuminate the barcode. The aiming line is used to aim at the barcode and help to find the best reading distance. Keep red aiming line in the center of a bar code.

3. On a successful scan, there'll be a beep sound, illumination & aiming pattern will turn off. The scanner then transmits barcode message to the host computer.

**NOTE:    After scanning the same barcode a few times, it will be able to find a certain scanning distance range with higher successful reading rate. This range is the optimum reading distance.**

Start Configuration

# Settings and Programming

Scan selected barcodes in this manual to perform setup and programming of the handheld imaging barcode scanner. Decoding options and interface protocols can be tailored to a specific application.

Setup parameters are stored in non-volatile memory in the scanner and are retained even when power is off. Setup parameters change only when you reset them. You may need to hide adjacent code patches with your hand when scanning.

## *Programming operation steps*

To program each scanner parameter, scan the setup barcodes in the following sequence.

    1.    Scan "**Start Configuration**" barcode to initiate set up.

    2.    Scan the barcodes for desired configuration.

    3.    Scan "**End Configuration**" barcode to confirm the setup.

End Configuration

# 1. System Settings

### *Show Version*
Scan this barcode to display firmware version.

Read device firmware version

### *Set Factory Default*
Scan this barcode to return all parameters to the factory default values.

Factory default settings

Start Configuration

# 2. System Configurations

## *2.1 Interface Selection*

**<USB Keyboard>**

USB_COM

End Configuration

Start Configuration

## 2.2  *Keyboard Language*

**<U.S.A>**

Italian

Spanish

French

Germany

Turkey

Portugal

Brazil

Hungary

Global Mode

End Configuration

Start Configuration

## *2.3 Message Terminator*

None

**<CR>**

Tab

ESC

End Configuration

||||| ||| ||||| ||||| || ||| Start Configuration

## *2.4 Scanner Operation Mode*

||||| ||| ||| ||| ||| ||| |||
**<Trigger On/Off>**

||||| || ||| |||| ||||
Trigger On/Good read off

||||| ||| ||||| |||| |||
Continuous/Trigger Off

||||| ||| ||| ||| ||| ||
Presentation Mode

||||| ||| ||||| ||||| ||| End Configuration

|||||| |||||| |||||| |||||| ||| Start Configuration

## *2.5 Buzzer Setup*

**Power On Tone**

|||||| |||| ||||| ||||| |||
**<ON>**

|||||| || ||||| ||||| ||||
OFF

8

|||||| ||| |||||| ||||| || ||| End Configuration

Start Configuration

# 3. Barcode Symbologies Configuration

## *3.1 UPC-A*

**Reading**

OFF

**<ON>**

**UPC-A convert to EAN-13**

**<OFF>**

ON

## *3.2 UPC-E*

**Reading**

OFF

**<ON>**

**UPC-E Convert to UPC-A**

**<OFF>**

ON

End Configuration

Start Configuration

## *3.3 EAN-13*

**Reading**

OFF

**<ON>**

## *3.4 EAN-8*

**Reading**

OFF

**<ON>**

## *3.5 Code 39*

**Reading**

OFF

**<ON>**

**Format**

**<Standard Code39>**

Full ASCII Code39

**Transfer Start / End Character**

**<OFF>**

10

End Configuration

Start Configuration

ON

## *3.6 Codabar*

**Reading**

OFF

**<ON>**

## *3.7 Code 93*

**Reading**

OFF

**<ON>**

## *3.8 Code 128*

**Reading**

OFF

**<ON>**

## *3.9 Interleaved 2 of 5*

**Reading**

OFF

**<ON>**

End Configuration

Start Configuration

## *3.10  Industrial 2 of 5*

**Reading**

**<OFF>**

ON

## *3.11  Matrix 2 of 5*

**Reading**

**<OFF>**

ON

**Transmit Check Character**

**<OFF>**

ON

## *3.12  MSI / Plessey*

**Reading**

**<OFF>**

ON

End Configuration

Start Configuration

## *3.13 Code 32*

**Reading**

**<OFF>**

ON

## *3.14 Code 11*

**Reading**

**<OFF>**

ON

End Configuration