

**Wireless Laser
Barcode Scanner
iLS 6300BU**

User's Manual

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Limited Warranty

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 or 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.

Table of Contents

1. INTRODUCTION.....	2~3
2. I NSTALLATION.....	4~5
3. SET UP FROM BAR CODE LABEL.....	7
Transmission Speed.....	8
Wireless Auto-connection.....	8
Power-Saving Mode.....	8
Battery Fully Charged Alarm.....	9
Low Battery Voltage Alarm.....	9
Keyboard Country.....	10
Multi-Interface Functions.....	11~12
Symbologies On/Off.....	13~15
Symbologies Set Up.....	16~21
Edit Setup Bar Codes.....	22
Macro/Special Keys Setup Bar Codes.....	23
Termination String Setup Bar Codes.....	24

Introduction

Our 1D Wireless Laser barcode scanner combines the best scanning performance and value. The device provides an accurate, easy, and fast method of data entry and data storage for computerized information systems. It is easy to install and does not require Software or drivers to operate.

Our Wireless Laser barcode scanner is a powerful and reliable handheld scanner without compromise.

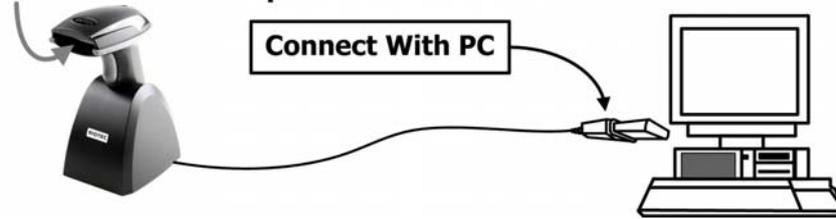
All the operating parameters are programmed by bar code programming menu and stored in non-volatile RAM which can retain the settings after power is turned off.

Installation

Insert the plug on the free end of the Communications Cable into the appropriate connector on the host as below described:

Cable Connection:

***Please remove the protective sticker from window before use.**



1. Please switch ON and charge scanner for 4~5 hours at first time before use, scanner switch shown on Fig. 2.
2. After switch ON, the Orange LED will flash following with 3 beep-sounds. The RED LED will be OFF while it links to cradle within 2.4GHz radio range.
3. If RED LED is continual ON, please re-plug USB cable, then, scan the 3 barcodes on the bottom of cradle sequentially. (Shown on Fig. 3 from 1 to 3). If you are unable to complete this setting within 1 minute, please re-plug USB cable & re-start the scanner, and try again.
4. Charging issue: Cradle works as charger when putting scanner on it. Even if the scanner's battery is full, the cradle will continue to supply power to the scanner. We suggest you to remove scanner from cradle when scanner is charged fully.

***Please remove the protective sticker from window before use.**

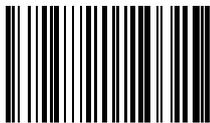


<u>Indicator Information</u>	
Orange continual ON	Full charged
Orange LED Flash	Charging / Low battery
Red LED ON	Not read
Red LED Continual ON	Off line / out of service
Green LED ON	Good read

- When the battery voltage is too low, the Orange LED will flash and with one beep sound. Please charge it immediately before the machine mandatorily shutdown. When it shutdown, please full charge then repower on scanner.
- When OFF line/ out of service the 1D Engine will OFF and scanner will not work.
- Under power-saving mode, there will not be LED indication

Reset Configuration to Defaults

If you are unsure of the scanner configuration or have scanned the incorrect codes, please scan the following three barcodes. This will reset the scanner to its factory defaults.



Tip

Do not hold the scanner directly over a barcode at 90°. Scanning light bounces directly back into the scanner from the barcode label is known as specular reflection which will create a "dead zone" where decoding is difficult. Practice a few times to find what range of angles works best.

Maintenance

Cleaning the scan window is the only maintenance required. A dirty window may affect scanning accuracy.

Wipe the scanner window gently with a lens tissue or other material suitable for cleaning optical material.

Do not spray water or other cleaning liquids directly onto the window.

Setup from Bar Code Label

Transmission Speed



High-speed transmission for PC uses.



Slow-speed transmission for PC use **(Default)**.

Wireless Auto-connection



Wireless Auto-connection **ON**: When out of range, it will keep trying to connect to device.



Wireless Auto-connection **OFF**: When out of range, it will stop auto-connecting after sending signal for connecting twenty times. When back to the range, kindly presses trigger to connect to the device **(Default)**.

Power-Saving Mode

Power-Saving Mode can extend the usage time of battery. There are 5 modes can be chosen. When Scanner goes into Power-Saving Mode, user can press "SCAN/Trigger" button, it will wake up and begin to scan.



Power-saving mode **OFF**



Enter power-saving mode after no usage for **1** minute **(Default)**



Enter power-saving mode after no usage for **5** minute



Enter power-saving mode after no usage for **15** minute



Enter power-saving mode after no usage for **30** minute

- When in charging, scanner will not enter power-saving mode automatically.

Battery Fully Charged Alarm



ON



OFF (Default)

Low Battery Voltage Alarm



ON (Default)



OFF

- Under power-saving mode, there will not be LED indication when in charging.

Keyboard Country (For USB HID only)

Scan the appropriate country code below to program the keyboard for your country or language. As a general rule, the following characters are not supported by the scanner for countries other than the United States: @ | \$ # { } [] = / ' \ < > ~



USA (Original setting)



Italian



Norway



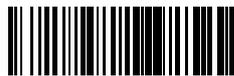
France



Germany



Vietnam



Sweden



Spain



Denmark



Portugal



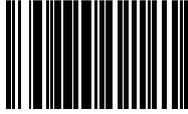
Switzerland



Hungary

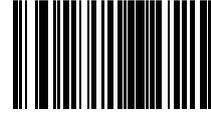
Multi-Interface Functions – 1

GOOD READ BEEP TONE – NONE



**BUZZER /
LED**

GOOD READ BEEP TONE - RESET

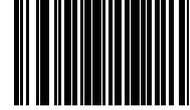


DECODE OPTIONS REVERSE
IMAGE – ENABLE



IMAGE

DECODE OPTIONS REVERSE
IMAGE - DISABLE



DECODE OPTIONS SEND
BAR CODE ID - DISABLE



CODE ID

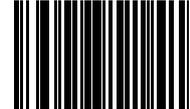
DECODE OPTIONS SEND
BAR CODE ID – AS A PREFIX



DECODE OPTIONS SEND
BAR CODE ID - RESET



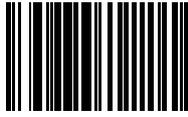
DECODE OPTIONS SEND
BAR CODE ID – AS A SUFFIX



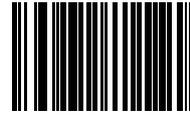
Multi-Interface Functions – 2

READING MODE

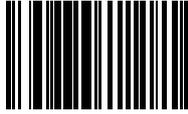
SCAN MODE – SINGLE SCAN



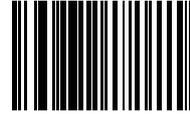
SCAN MODE – SINGLE
SCAN NO TRIGGER



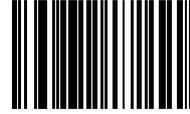
SCAN MODE – MULTISCAN



SCAN MODE – MULTISCAN
NO TRIGGER



SCAN MODE - PULSE



LASER/CCD TIMEOUT
– 5 SECONDS



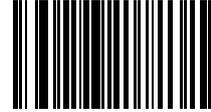
LASER/CCD TIMEOUT
– 2 SECONDS



LASER/CCD PULSE RATE - 7



LASER/CCD PULSE RATE - 3



Symbologies On/Off - 1

CODE 11 - ENABLE

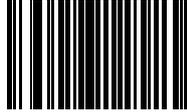


CODE 11

CODE 11 - DISABLE



CODE 39 ENABLE



CODE 39

CODE 39 DISABLE



FULL ASCII ENABLE



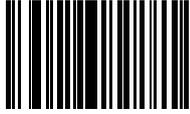
FULL ASCII DISABLE



Symbologies On/Off - 2

CODE 93

CODE 93 - ENABLE



CODE 93 - DISABLE



CODE 128

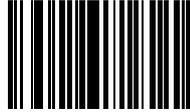
CODE 128 - ENABLE



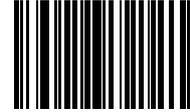
CODE 128 - DISABLE



CODE 128 ISBT - ENABLE



CODE 128 ISBT - DISABLE



CODABAR

CODABAR - ENABLE



CODABAR - DISABLE

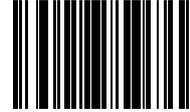


INTERLEAVED 2 OF 5

I2OF5 - ENABLE



I2OF5 - DISABLE



INDUSTRIAL 2 OF 5

ID2OF5 - ENABLE



ID2OF5 - DISABLE



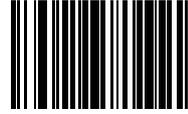
Symbologies On/Off - 3

MSI

MSI - ENABLE



MSI - DISABLE



UPC/EAN

UPC-A ENABLE



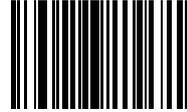
UPC-A DISABLE



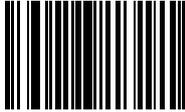
UPC-E ENABLE



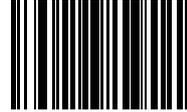
UPC-E DISABLE



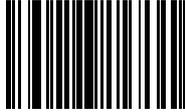
EAN-13 ENABLE



EAN-13 DISABLE



EAN-8 ENABLE



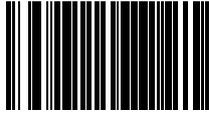
EAN-8 DISABLE



Symbologies Set Up - 1

CODE 11

CODE 11 ID CHARACTER – “m”



CODE 11 ID CHARACTER – “Z”



CODE 11 DOUBLE CHECK
- ENABLE



CODE 11 **DOUBLE CHECK**
- DISABLE



CODE 39

CODE 39 SS CHAR - NONE



CODE 39 SS CHAR '+'



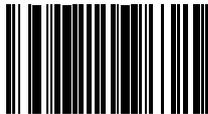
CODE 39 SEND START/
STOP CHARS ENABLE



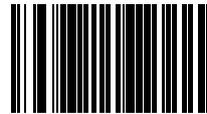
CODE 39 SEND START/
STOP CHARS DISABLE



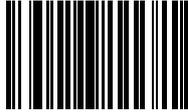
CODE 39 ID CHARACTER ‘a’



CODE 39 ID CHARACTER ‘Z’



CODE 39 **DOUBLE CHECK**
ENABLE



CODE 39 **DOUBLE CHECK**
DISABLE



Symbologies Set Up – 2

CODE 93

CODE 93 ID CHARACTER – ‘h’



CODE 93 ID CHARACTER – ‘Z’



CODE 93 DOUBLE CHECK
- ENABLE



CODE 93 DOUBLE CHECK
- DISABLE

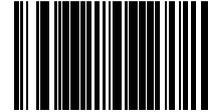


CODE 128

CODE 128 ID CHARACTER – ‘g’



CODE 128 ID CHARACTER - ‘Z’



CODE 128 DOUBLE CHECK
- ENABLE

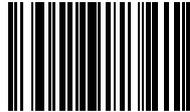


CODE 128 DOUBLE CHECK
- DISABLE



CODABAR

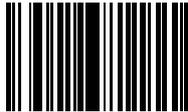
CODABAR SEND START/STOP CHARS -
ENABLE



CODABAR SEND START/STOP CHARS -
DISABLE



CODABAR WIDE GAPS ALLOWED
- ENABLE



CODABAR WIDE GAPS ALLOWED
- DISABLE



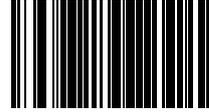
Symbologies Set Up – 3

CODABAR ID CHARACTER - 'k'



CODABAR

CODABAR ID CHARACTER - 'Z'



CODABAR DOUBLE CHECK
- ENABLE



CODABAR DOUBLE CHECK -
DISABLE



I2OF5 CHECK DIGIT - DISABLE



Interleaved 2 of 5

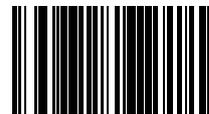
I2OF5 CHECK DIGIT - ENABLE



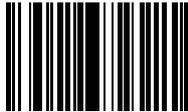
I2OF5 ID CHARACTER - 'i'



I2OF5 ID CHARACTER - 'Z'



I2OF5 DOUBLE CHECK
- ENABLE



I2OF5 DOUBLE CHECK
- DISABLE



ID2OF5 BAR START/STOP
- ENABLE



Industrial 2 of 5

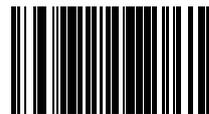
ID2OF5 BAR START/STOP
- DISABLE



ID2OF5 ID CHARACTER - 'j'



ID2OF5 ID CHARACTER - 'Z'



Symbologies Set Up – 4

ID2OF5 DOUBLE CHECK - ENABLE



ID2OF5 DOUBLE CHECK - DISABLE



MSI CHECK DIGIT - MOD 10



MSI

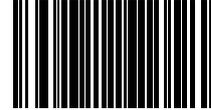
MSI CHECK DIGIT - RESET



MSI ISBN ID CHARACTER - 'F'



MSI ISBN ID CHARACTER - 'Z'



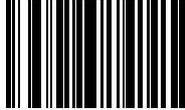
MSI DOUBLE CHECK - ENABLE



MSI DOUBLE CHECK - DISABLE



EXPAND UPC-E TO UPC-A
ENABLE

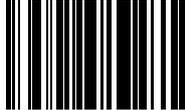


UPC/EAN

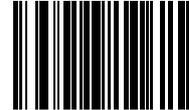
EXPAND UPC-E TO UPC-A
DISABLE



EXPAND UPC-A TO EAN-13
ENABLE



EXPAND UPC-A TO EAN-13
DISABLE



CONVERT EAN-13 TO ISBN
ENABLE



CONVERT EAN-13 TO ISBN
DISABLE

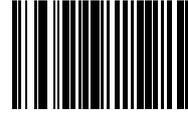


Symbologies Set Up – 5

SEND UPC-A CHECK DIGIT
ENABLE



SEND UPC-A CHECK DIGIT
DISABLE



SEND UPC-E CHECK DIGIT
ENABLE



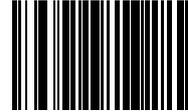
SEND UPC-E CHECK DIGIT
DISABLE



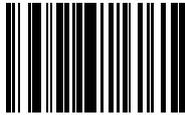
SEND EAN-13 CHECK DIGIT
ENABLE



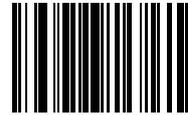
SEND EAN-13 CHECK DIGIT
DISABLE



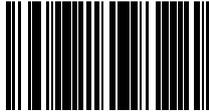
SEND EAN-8 CHECK DIGIT
ENABLE



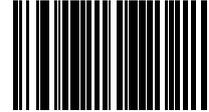
SEND EAN-8 CHECK DIGIT
DISABLE



UPC-A ID CHARACTER 'b'



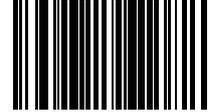
UPC-A ID CHARACTER 'Z'



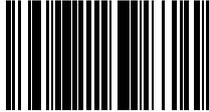
UPC-E ID CHARACTER 'c'



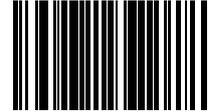
UPC-E ID CHARACTER 'Z'



EAN-13 ID CHARACTER 'e'

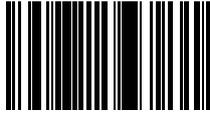


EAN-13 ID CHARACTER 'Z'



Symbologies Set Up – 6

EAN-8 ID CHARACTER 'd'



UPC/EAN

EAN-8 ID CHARACTER 'Z'



ISBN ID CHARACTER 'f'



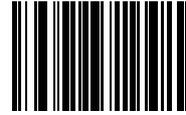
ISBN ID CHARACTER 'Z'



UPC/EAN SUPPLEMENTS
- DISABLE



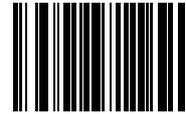
UPC/EAN SUPPLEMENTS
- 2 DIGIT ONLY



UPC/EAN SUPPLEMENTS
- 5 DIGIT ONLY



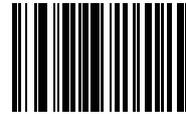
UPC/EAN SUPPLEMENTS
- 2 & 5 DIGIT



UPC/EAN DOUBLE CHECK
ENABLE



UPC/EAN DOUBLE CHECK
DISABLE

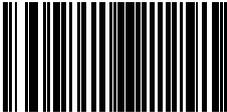


EDIT SETUP BAR CODES

EDIT #1 – STRIP 1 LEADING CHARACTER
ON ALL BAR CODES THAT START WITH
'12345'



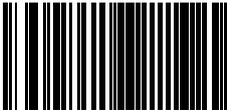
EDIT #1 - OFF



EDIT #2 – STRIP 1 TRAILING CHARACTER



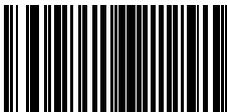
EDIT #2 – OFF



EDIT #1 – FILTER LEADING SPACES



EDIT #1 - OFF



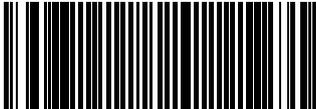
EDIT – FILTER ALL '-' CHARACTERS



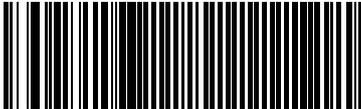
EDIT – DISABLE FILTER OF ALL '-' CHARS



EDIT - INSERT LEADING ZERO



EDIT – DISABLE INSERT LEADING ZERO



MACRO/SPECIAL KEYS SETUP BAR CODES

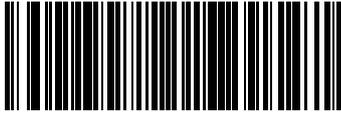
MACRO #1 – FIND '1' AND REPLACE WITH
'ONE'



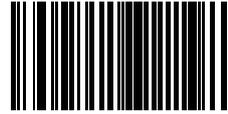
MACRO #1 - DISABLED



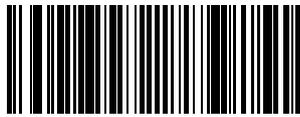
MACRO #2 – FIND '2' AND REPLACE WITH
'TWO' FOR CODE 39 ONLY



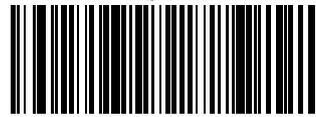
MACRO #2 - DISABLED



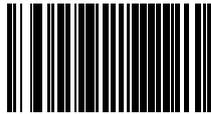
MACRO – FIND '0' AND REPLACE WITH 'A'



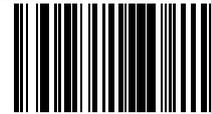
MACRO – FIND '0' AND REPLACE WITH 'A' -
DISABLE



SPECIAL KEY –MAP F3 TO '0'



SPECIAL KEY – DISABLE F3 KEY MAPPING



SPECIAL KEY – MAP KEYPAD ENTER TO '2'

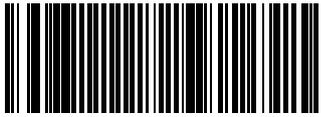


SPECIAL KEY – DISABLE KEYPAD ENTER
MAPPING

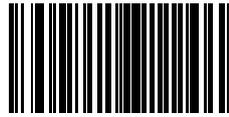


TERMINATION STRING SETUP BAR CODES

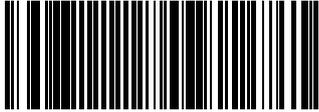
STRING #1 – TERMINATION CHAR - CR



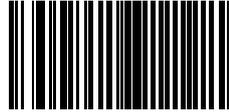
STRING #1 - DISABLE



STRING #2– CODE 128 TERMINATION CHAR
- CR



STRING #2– CODE 128 TERMINATION CHAR
- REMOVED



STRING – CODE 39 TERMINATION CHAR
- TAB



STRING – CODE 39 TERMINATION CHAR
- TAB - REMOVED

