

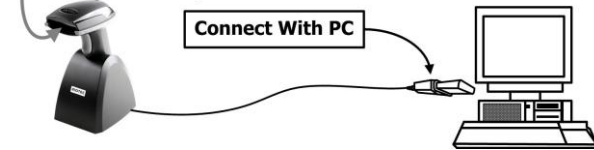
# Programming Quick Guide

## iLS6303XBU/iLS6303XB

### Connecting the Scanner

Be sure that PC is turned OFF, before Connect scanner cable to the PC USB port on the PC as below described, Ensure that all connections are ready, turn on your PC

\*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

\* **Note:** Please install PL-2303 driver for **iLS6303XB**

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



LED Indicator Information	
Orange LED ON	Full charged
Orange LED Flashing	Charging / Low battery
Red LED ON	Off line / out of service
Green LED ON	Good read

### Remark:

- \* When the battery power is too low, the Orange LED will flash and beep once. Scanner should be charged immediately.
- \* If scanner shuts down it is recommended to charge it fully before turning it back on.
- \* Under power-saving mode, there will not be LED indication when charging.

### Reset Configuration to Defaults

(scan from A1 to A2 for **iLS6303XBU** or B1 to B3 for **iLS6303XB**)



\* **Note:** Please install PL-2303 driver for **iLS6303XB**

### Trigger Mode



Trigger always  
(Trigger available at any time)



Trigger standard **(Default)**  
(Trigger available, after data sent to the device)

### Transmission Speed

Transmission speed is dependent on your device. In order not to lose data, please choose the correct speed. Middle-speed is the Default.



High-speed  
transmission



Ultra Slow-speed  
**1** transmission



Middle-speed  
Transmission  
**(Default)**



Ultra Slow-speed  
**2** transmission



Slow-speed  
Transmission



Ultra Slow-speed  
**3** transmission

### Bluetooth Auto-connection



Bluetooth Auto-connection **ON:**  
When out of range, it will keep trying to connect to device, scanner will not enter power-saving mode.



Bluetooth Auto-connection **OFF:**  
When you are out of BT signal range, scanner will stop sending auto-connection signal to device after 2 minutes. During this time, it will not enter power-saving mode.  
Once you are back within range, press trigger to connect to the device. **(Default)**

## Keyboard Country(For USB HID only)

Scan the appropriate country code as below to program the keyboard layout for your country or language. As a general rule, the following characters are supported, but need special care for countries other than the United States: @ | \$ # { } [ ] = / ' \ < > ~



USA  
(Original setting)



Norway



Germany



Sweden



Denmark



Switzerland (F)



Latin America



Brazil



Belgium



Italian



France



Vietnam



Spain



Portugal



Hungary



Icelandic



Poland



Turkey F



Bulgarian Latin



Finland



Netherlands



Thai



Switzerland German



Turkey Q



Japan



Korea



Russia

\*The different keyboard language option starts from June. 2017.

## Power-saving Mode



Power-saving mode OFF



**Power-saving mode ON (Default):**  
Enter power-saving mode after 3-minute inactivity. This function conserves battery power. When you press "SCAN/Power ON" button, it will wake up and begin to scan.



**Power-saving mode ON:**  
Enter power-saving mode after 10-minute inactivity. This function conserves battery power. When you press "SCAN/Power ON" button, it will wake up and begin to scan.

\*When charging, the scanner will not enter power-saving mode automatically

## How to append a "prefix" or a "suffix" to the barcode data



prefix



suffix

1. scan above configuration code for Prefix or Suffix
2. enter the required values (right, numeric barcode) for Prefix or Suffix using the hex values for the desired HEX values from "Prefix & Suffix TABLE (blew page)"
3. then, end by scanning Code X (below, right)

- \* The max. of special characters is 5.
- \* When you append 1~4 required values for Prefix or Suffix, it must end with Code X.
- \* It doesn't need Code X, if you append 5 values to barcode data.

## How to delete Prefix or Suffix

1. scan above configuration code for Prefix or Suffix
2. enter the "0" "0" (above, right)
3. then end by scanning Code X (below, right)

## Numeric barcode for settings



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F



A



X

## Prefix & Suffix TABLE

HEX	HID (SPP)	HEX	HID (SPP)	HEX	HEX	HEX	HEX	HEX	HEX	HEX	
01	CTRL A (SOH)	19	CTRL Y (EM)	20	SPACE	38	8	50	P	68	h
02	CTRL B (STX)	1A	CTRL Z(SUB)	21	!	39	9	51	Q	69	i
03	CTRL C (ETX)	1B	ESC (ESC)	22	"	3A	:	52	R	6A	j
04	CTRL D (EOT)	1C	CTRL \ (FS)	23	#	3B	;	53	S	6B	k
05	CTRL E (ENQ)	1D	CTRL ] (GS)	24	\$	3C	<	54	T	6C	l
06	CTRL F (ACK)	1E	CTRL ^ (RS)	25	%	3D	=	55	U	6D	m
07	CTRL G (BEL)	1F	CTRL _ (US)	26	&	3E	>	56	V	6E	n
08	Backspace (BS)			27	'	3F	?	57	W	6F	o
09	Tab (HT)			28	(	40	@	58	X	70	p
0A	CTRL J (LF)			29	)	41	A	59	Y	71	q
0B	CTRL K (VT)			2A	*	42	B	5A	Z	72	r
0C	CTRL L (FF)			2B	+	43	C	5B	[	73	s
0D	Enter (CR)			2C	,	44	D	5C	\	74	t
0E	CTRL N (SO)			2D	-	45	E	5D	]	75	u
0F	CTRL O (SI)			2E	.	46	F	5E	^	76	v
10	CTRL P (DLE)			2F	/	47	G	5F	_	77	w
11	CTRL Q (DC1)			30	0	48	H	60	`	78	x
12	CTRL R (DC2)			31	1	49	I	61	a	79	y
13	CTRL S (DC3)			32	2	4A	J	62	b	7A	z
14	CTRL T (DC4)			33	3	4B	K	63	c	7B	{
15	CTRL U (NAK)			34	4	4C	L	64	d	7C	
16	CTRL V (SYN)			35	5	4D	M	65	e	7D	}
17	CTRL W (ETB)			36	6	4E	N	66	f	7E	~
18	CTRL X (CAN)			37	7	4F	O	67	g		

## Reading Techniques

The view finder projects an aiming beam that should be centered over the bar code, but it can be positioned in any direction for a good read.



- \* Hold the scanner over the bar code, pull the trigger, and center the aiming beam on the bar code.
- \* The aiming beam is smaller when the scanner is closer to the code and larger when it is farther from the code.

## 1D Symbolgies On/OFF -1



**Codabar**



**Code 39**



**Code 39 Full ASCII**



**Interleaved 2 of 5**



**NEC 2 of 5**



## 1D Symbolgies On/OFF -2



**Straight 2 of 5 Industrial**



**Straight 2 of 5 IATA**



**Matrix 2 of 5**



**GS1-128**



**UPC-A**



**UPC-E**





















**Code 11**



**Code 93**





















## 1D Symbolologies On/OFF -3

ENABLE 	<b><u>Telepen</u></b>	DISABLE 
ENABLE 	<b><u>GS1 DataBar Omnidirectional</u></b>	DISABLE 
ENABLE 	<b><u>GS1 DataBar Limited</u></b>	DISABLE 
ENABLE 	<b><u>GS1 DataBar Expanded</u></b>	DISABLE 
ENABLE 	<b><u>MSI</u></b>	DISABLE 
ENABLE 	<b><u>Trioptic Code</u></b>	DISABLE 
ENABLE 	<b><u>EAN-13</u></b>	DISABLE 
ENABLE 	<b><u>EAN-8</u></b>	DISABLE 
ENABLE 	<b><u>Code 32</u></b>	DISABLE 

\* If you are going to scan Code 32, Trioptic Code must be off.

## 2D Symbolologies On/OFF

ENABLE 	<b><u>Codablock A</u></b>	DISABLE 
ENABLE 	<b><u>Codablock F</u></b>	DISABLE 
ENABLE 	<b><u>PDF 417</u></b>	DISABLE 
ENABLE 	<b><u>Micro PDF 417</u></b>	DISABLE 
ENABLE 	<b><u>QR Code</u></b>	DISABLE 
ENABLE 	<b><u>Data Matrix</u></b>	DISABLE 
ENABLE 	<b><u>MaxiCOde</u></b>	DISABLE 
ENABLE 	<b><u>Aztec Code</u></b>	DISABLE 
ENABLE 	<b><u>Chinese Sensible (Han Xin) Code</u></b>	DISABLE 

Quick guide is subject to change without notice.

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