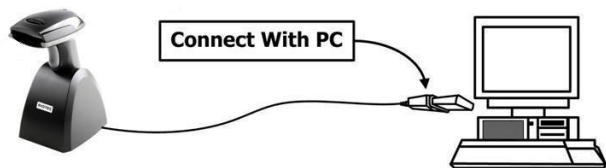


Programming Quick Guide

iLS6303XBQ/iLS6303XBM

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



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 Bluetooth 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).
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 **iLS6303XBM**



Fig. 2



Fig. 3

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
Orange LED ON	Good read (Batch mode)

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 **iLS6303XBQ** or B1 to B3 for **iLS6303XBM**)



* **Note:** Please install PL-2303 driver for **iLS6303XBM**

There are two operating modes on the scanner

1.Data Transmission mode (Default)	
It is a necessary to scan "clean memory data" when switching between these two modes.	
Within Bluetooth radio range	Beyond Bluetooth radio range
Data read	Transmit data to PC/terminal directly
	Save data into scanner's memory, scanner will transmit data to PC/terminal automatically when back to Bluetooth radio range.
Enter Data Storage mode	
LED	Green/ Orange LED flashes followed by 3 beeps.
2.Data Storage mode (Batch Mode)	
It is a necessary to scan "clean memory data" when switching between these two modes.	
Data read	Save data directly to scanner's memory, It will transmit the data to PC/terminal after you scan the Transmit memory data code. To delete data please scan the Clean memory data code.
Enter Data Transmission mode	
LED	Green/Orange LED flashes followed by 3 beeps.
	Always Clean memory data before switching to Data Transmission Mode. Otherwise Red/ Orange LED will flash with one long beep and will not switch modes.

Under Data storage Mode

The data can be keep or delete by option after transmit



Green/Orange LED Flashes followed by 3 beeps



Green/Orange LED flashes followed by 3 beeps

The barcode data which is stored in the memory will be deleted.

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)



Italian



Norway



France



Germany



Vietnam



Sweden



Spain



Denmark



Portugal



Switzerland (F)



Hungary



Latin America



Icelandic



Brazil



Poland



Belgium



Turkey F



Bulgarian Latin



Turkey Q



Finland



Japan



Netherlands



Korea



Thai



Russia



Switzerland German

*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 converses 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 converses 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



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



Prefix & Suffix TABLE

HEX	HID (SPP)	HEX	HID (SPP)	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 Symbologies -1



Code 39



Code 39 Full ASCII



Interleaved 2 of 5



NEC 2 of 5



Code 93



Straight 2 of 5 Industrial



Straight 2 of 5 IATA



1D Symbologies -2

ENABLE 	<u>Matrix 2 of 5</u>	DISABLE
ENABLE 	<u>GS1-128</u>	DISABLE
ENABLE 	<u>UPC-A</u>	DISABLE
ENABLE 	<u>UPC-E</u>	DISABLE
ENABLE 	<u>EAN-13</u>	DISABLE
ENABLE 	<u>EAN-8</u>	DISABLE
ENABLE 	<u>GS1 DataBar Omnidirectional</u>	DISABLE
ENABLE 	<u>GS1 DataBar Limited</u>	DISABLE
ENABLE 	<u>GS1 DataBar Expanded</u>	DISABLE

1D Symbologies -3

ENABLE 	<u>Code 32</u>	DISABLE
ENABLE 	<u>MSI</u>	DISABLE
ENABLE 	<u>Trioptic Code</u>	DISABLE
ENABLE 	<u>Codabar</u>	DISABLE
ENABLE 	<u>Code 11</u>	DISABLE
ENABLE 	<u>Telepen</u>	DISABLE

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

2D Symbologies

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