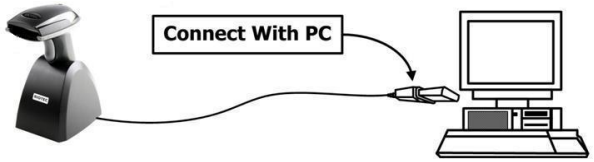
Programming Quick Guide -iLS6302ABQ/iLS6302ABM

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, and 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 **iLS6302ABM**

Fig. 1

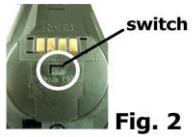


Fig. 2


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 iLS6302ABQ or B1 to B3 for iLS6302ABM)

iLS6302ABQ

A1

A2

iLS6302ABM

B1

B2

B3

* **Note:** Please install PL-2303 driver for **iLS6302ABM**

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

Keep the data **(Default)**

Delete the data

Transmit memory data

Green/Orange LED Flashes followed by 3 beeps

Clean memory data

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

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

Middle-speed Transmission (**Default**)

Slow-speed Transmission

Ultra Slow-speed **1** transmission

Ultra Slow-speed **2** 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 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

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 6 C

1 7 D

2 8 E

3 9 F

4 A

5 B X

Prefix & Suffix TABLE

HEX	HID (SPP)	HEX	HID (SPP)	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		

Redundancy Level

This scanner offers two levels of decode redundancy. Select higher redundancy levels for decreasing levels of bar code quality.
As redundancy levels increase, the decoder's aggressiveness decreases.
Select the redundancy level appropriate for the bar code quality.

Redundancy Level 1
barcode must be successfully read twice before being decoded

Redundancy Level 2
barcode must be successfully read three times before being decoded:

1D Symbologies -1

ENABLE		DISABLE
ENABLE	**UPC-A**	DISABLE
ENABLE	**UPC-E**	DISABLE
ENABLE	**EAN-8**	DISABLE
ENABLE	**EAN-13**	DISABLE
ENABLE	**CODABAR**	DISABLE

1D Symbologies -2

ENABLE	**Code 39**	DISABLE
ENABLE	**Code 39 FULL ASCII**	DISABLE
ENABLE	**Trioptic Code 39**	DISABLE
ENABLE	**Code 32**	DISABLE
ENABLE	**CODE 93**	DISABLE
ENABLE	**CODE 11**	DISABLE
ENABLE	**Interleaved 25**	DISABLE
ENABLE	**Discrete 25**	DISABLE
ENABLE	**MSI**	DISABLE

1D Symbologies -3

ENABLE	**GS1 DataBar**	DISABLE
ENABLE	**GS1 DataBar Limited**	DISABLE
ENABLE	**GS1 DataBar Expanded**	DISABLE
ENABLE	**Composite CC-C**	DISABLE
ENABLE	**Composite CC-A/B**	DISABLE
ENABLE	**Composite TLC 39**	DISABLE

1D Symbologies -4

ENABLE	**ISBT 128**	DISABLE
ENABLE	**Matrix 25**	DISABLE
ENABLE	**Chinese 25**	DISABLE

Quick guide is subject to change without notice.

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