

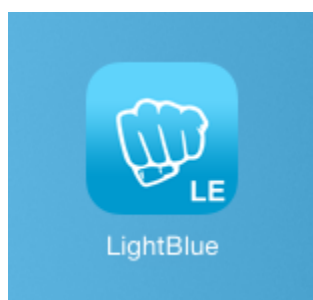
Document Number: 990-01123  
Product Part Number: 100-02195  
Rev. 0.34 6/2020  
contact@lansitec.com



## 1. Configuring Lansitec iBeacon with an iPhone

**Notice: all parameters are in hexadecimal coding.**

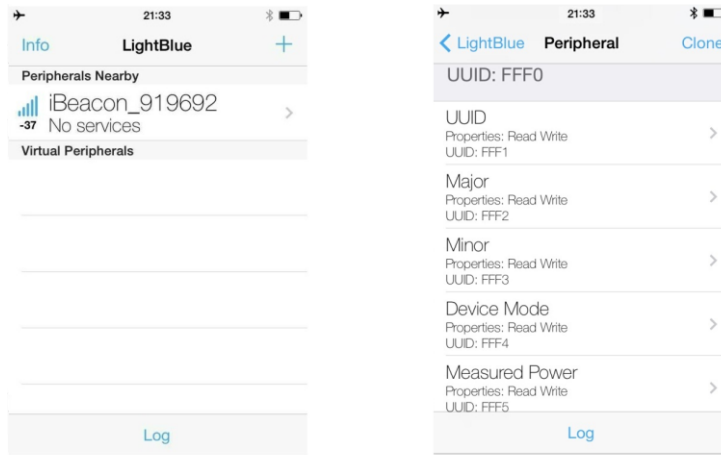
**Step 1:** Search and download 'LightBlue' in App Store



**Step 2:** Power up. Open the iBeacon and then push the switch from off to on as shown in the picture below. A white light will blink once it is on.



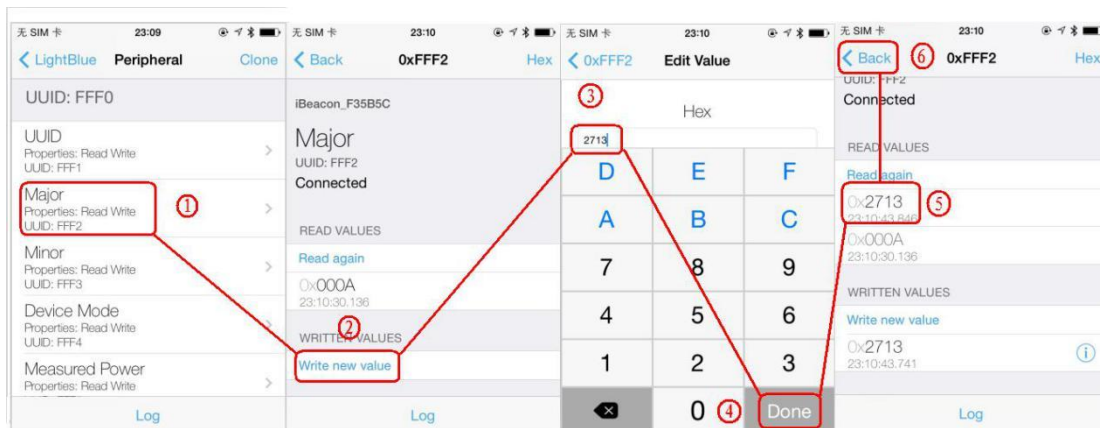
**Step 3:** Open LightBlue, iBeacon with 'iBeacon\_xxxxx' will show in the app, click the corresponding one to enter the configuration page. Please click the iBeacon within 1 minute after power on or it must be restarted to enter the configuration mode again.



Device is found

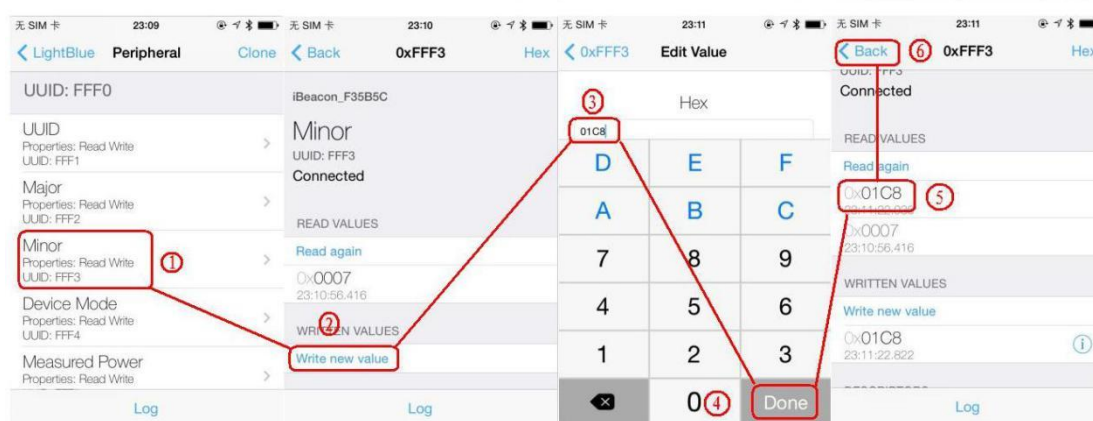
Parameter Configuration

**Major Configuration:**



- 1) Click Major
- 2) Click Write new value
- 3) Enter new Major value
- 4) Click Done to save
- 5) Click Back

**Minor Configuration:**



- 1) Click Minor
- 2) Click Write new value
- 3) Enter new Major value
- 4) Click Done to save
- 5) Click Back

**Step 4:** Use similar way to configuration other parameters. Please exit LightBlue after configuration. The light stops blink after configuration.

## 2. In TX Power

Default value 7 (0dBm),

Value	TX Power (dBm)
0x0	-21
0x1	-18
0x2	-15
0x3	-12
0x4	-9
0x5	-6
0x6	-3
0x7	0
0x8	1
0x9	2
0xA	3
0xB	4
0xC	5

### 3. Adv Interval

Default value is 500ms, the maximum Adv interval is 10s.

Value	interval (ms)
<b>0x1</b>	100
<b>0x2</b>	200
<b>0x3</b>	300
<b>0x4</b>	400
<b>0x5</b>	500
.....	.....
<b>0x64</b>	10,000

Battery life @0dBm and 0.5s interval is 5 years.

### 4. Specification

Protocol	iBeacon
<b>RF Power</b>	0dBm, -30~0dBm adjustable
<b>Distance</b>	Max 80m
<b>Density for indoor tracking</b>	>10m
<b>Broadcasting</b>	Minimum 100ms
<b>Battery</b>	CR2477x2
<b>Weight</b>	43g
<b>IP Protection</b>	IP61
<b>Dimension</b>	62x19mm (DxH)