

## 1. General introduction and specifications

### a. General introduction

LIGO MOBILE CONFIGURATOR (LMC) is designed to install, configure LIGO sensors by using 2.4GHz Wi-Fi band with full features similar to the configuration app on the computer. With the advantages of compact, easy-to-carry field and low cost, LMC makes sensors' installation, configuration and testing easier and more convenient.

### b. Specifications

Power Supply: 10-30VDC – 0.1A Max (with reverse polarity protection, input overvoltage)

Frequency Band: 2.4 GHz 802.11 b/g/n

IP address: 192.168.100.1

Operation Temperature: -10°C ~ 55 °C

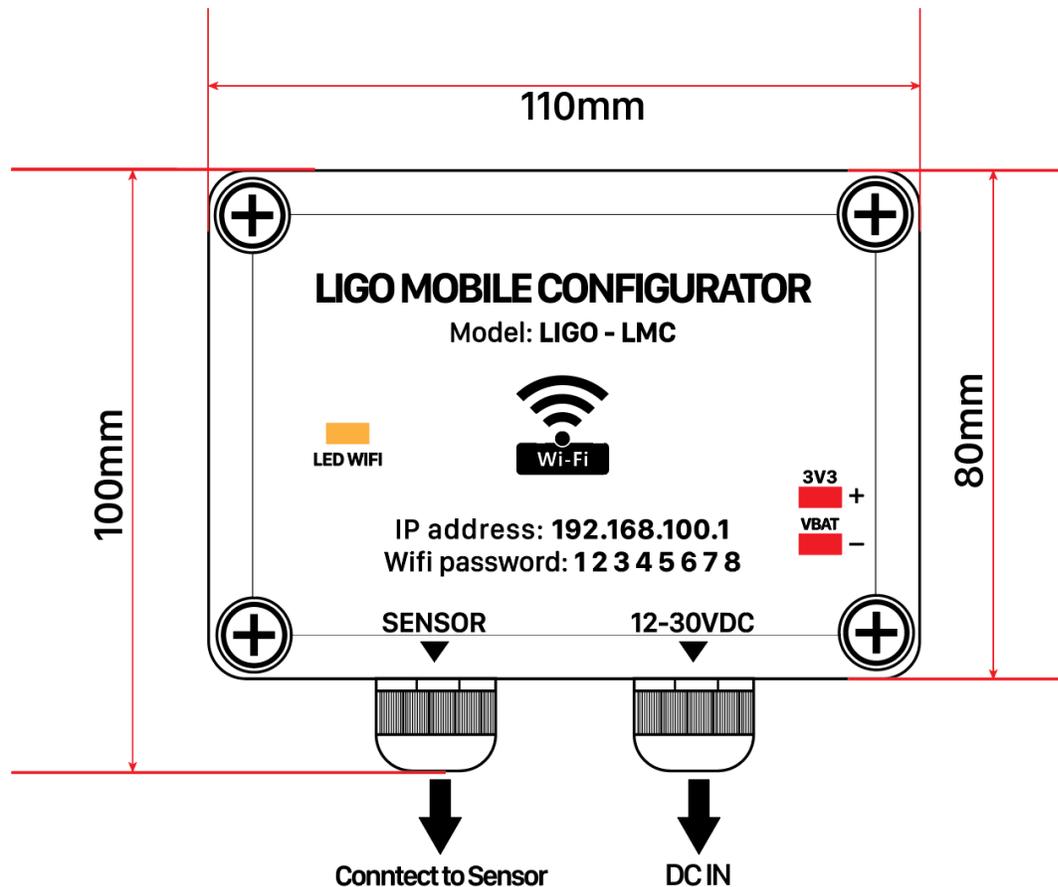
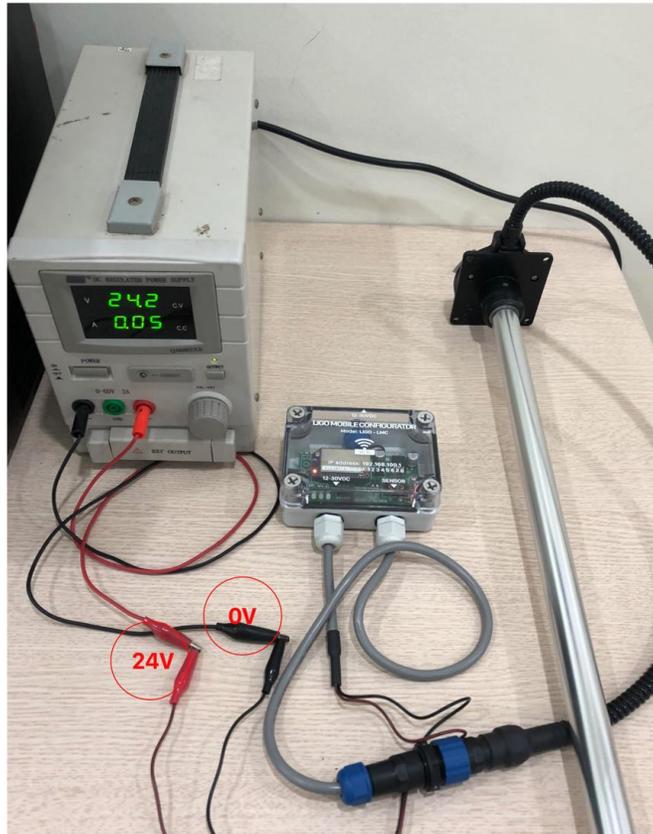


Figure 1: Dimensions of LMC

## 2. Power on and Start up

Connecting the sensor to Ligo Mobile Configurator (referred to as LMC) and then supply power (12-30V) as shown picture:



*Figure 2: Connecting sensor and power to LMC*

**Waiting for the wifi LED (yellow LED) to light up and stop flashing** ( wifi LED position as shown as Figure 1). This process starts up within around 40s and LMC has now completed the boots-up process.

*NOTE: Right after the boots-up process has been completed, all of 3 Leds (wifi Led, Led 3V3, Led 24V) light together*



### 3. Connecting your phone, tablet or PC to the wifi network

- After the booting process of LMC is complete, a wifi network will appear with the name LIGO\_xxxxxx (xxxxxx is the last 6 characters of the MAC address of the wifi module)
- Using your phone, tablet or PC to connect to the LIGO\_xxxxxx wifi network with the default password "**12345678**"

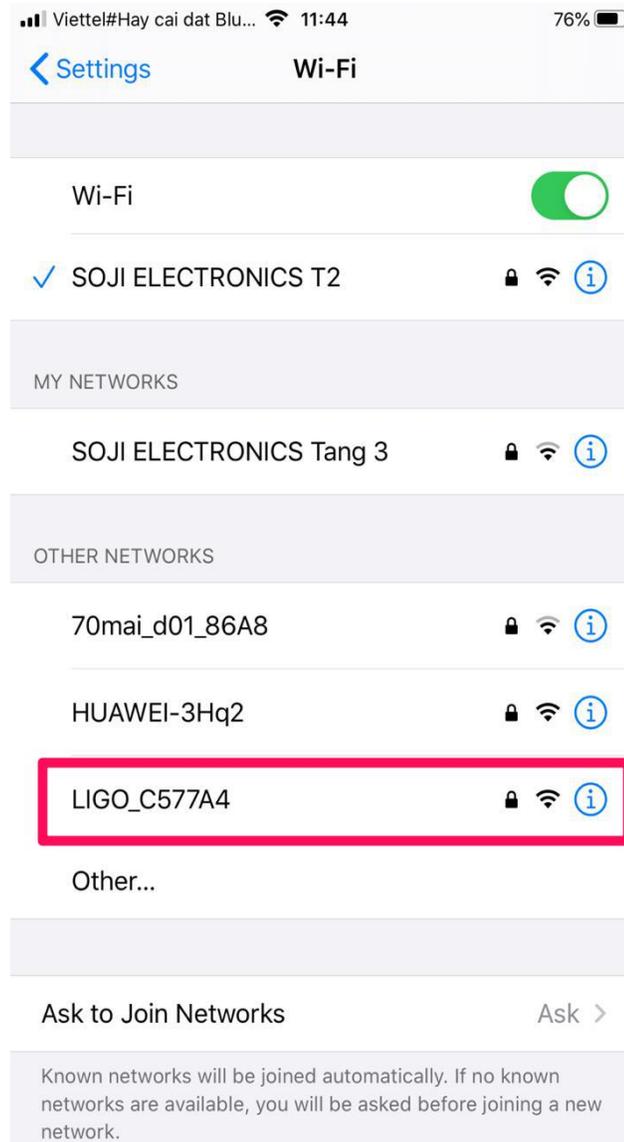


Figure 3: Connecting mobile phone to wifi network



- After successfully connecting to the wifi network, users open a web browser (Supported browsers: Safari, Google Chrome, Firefox, Coccoc, Internet Explorer, Edge) and type the IP address: **http://192.168.100.1** of LMC into the browser

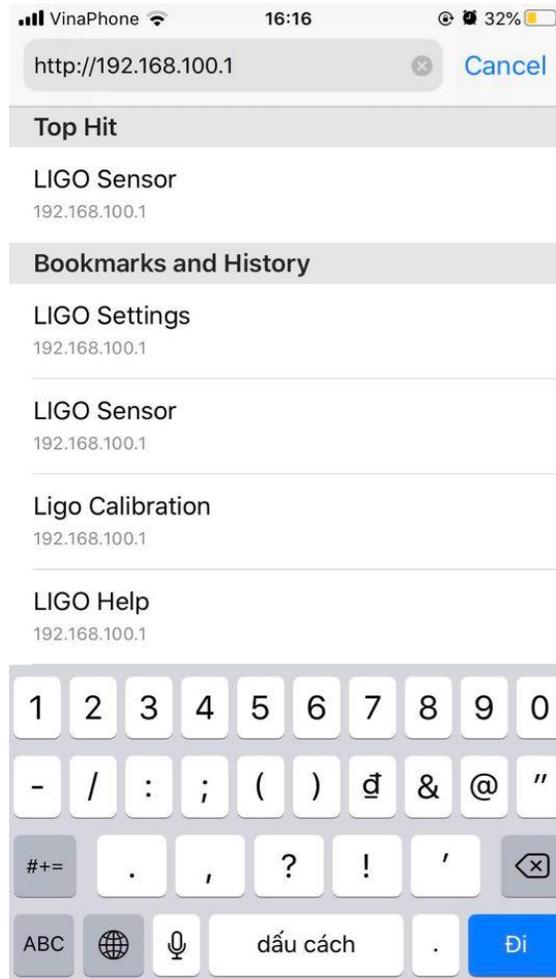


Figure 4: Typing IP address of LMC in to browser

- After accessing successfully, users can configure the sensor similar to the app on PC (details of configuration parameters can be found at: <http://sojielelectronics.com/support/download/>)

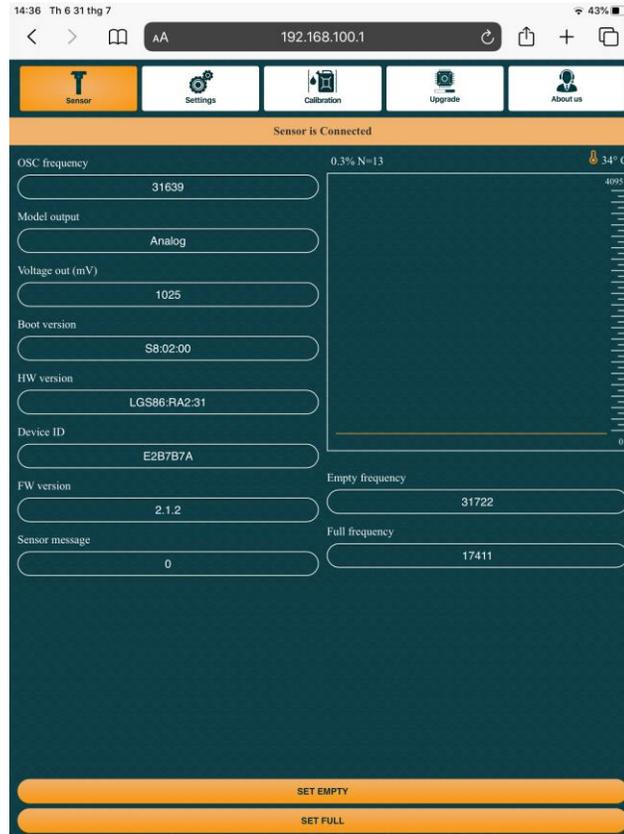


Figure 5: User interface of LMC after connected successfully

## 4. Troubleshooting

- The Wifi not shown: double checking the power supply for LMC (10-30VDC)
- The Sensor not connected: checking the connection between the sensor and the LMC

## 5. Contact us

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## 6. Revision history

Date	Version	Description
02/8/2020	1.0	First release