

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

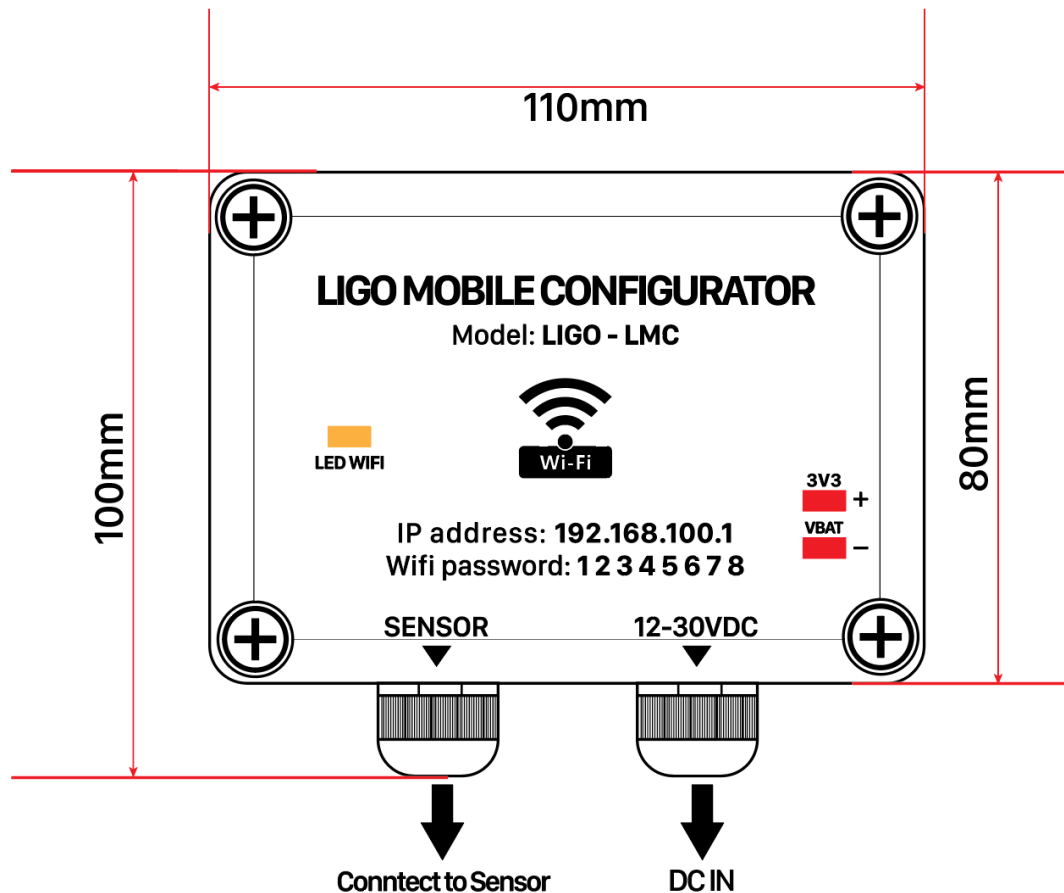


Figure 1: Dimensions of LMC

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:

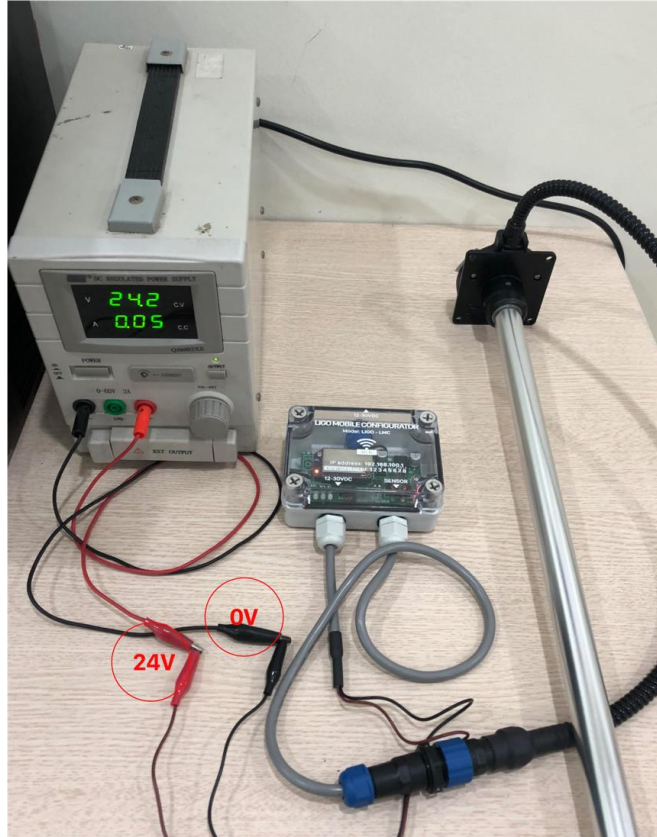


Figure 2: Connecting sensor and power to LMC

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**"

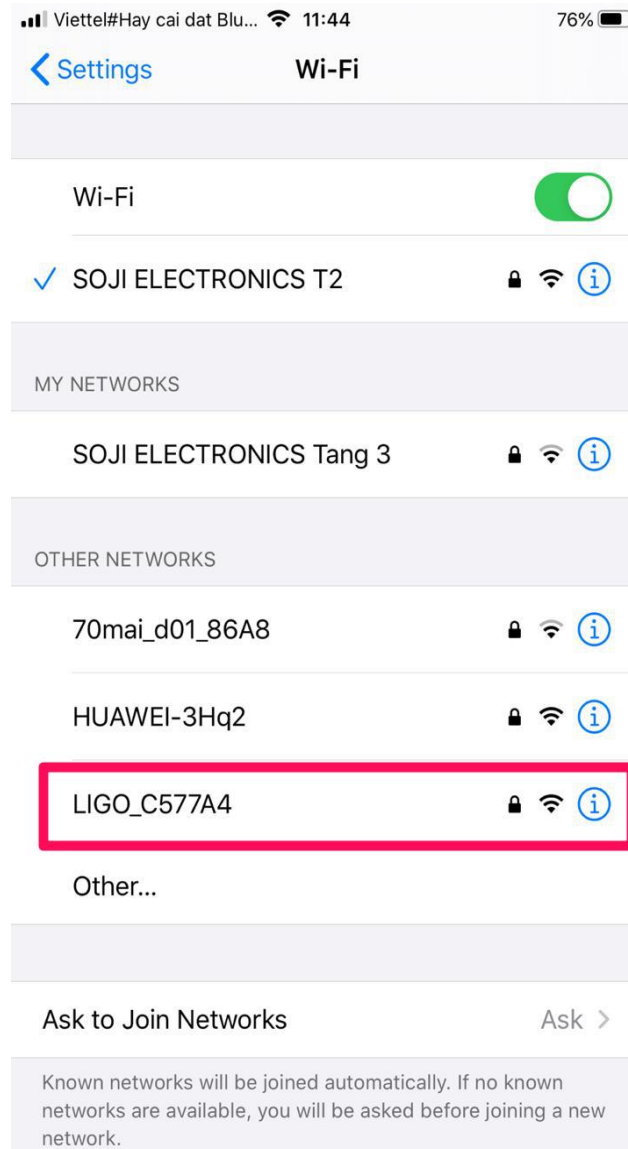


Figure 3: Connecting mobile phone to wifi network



- 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

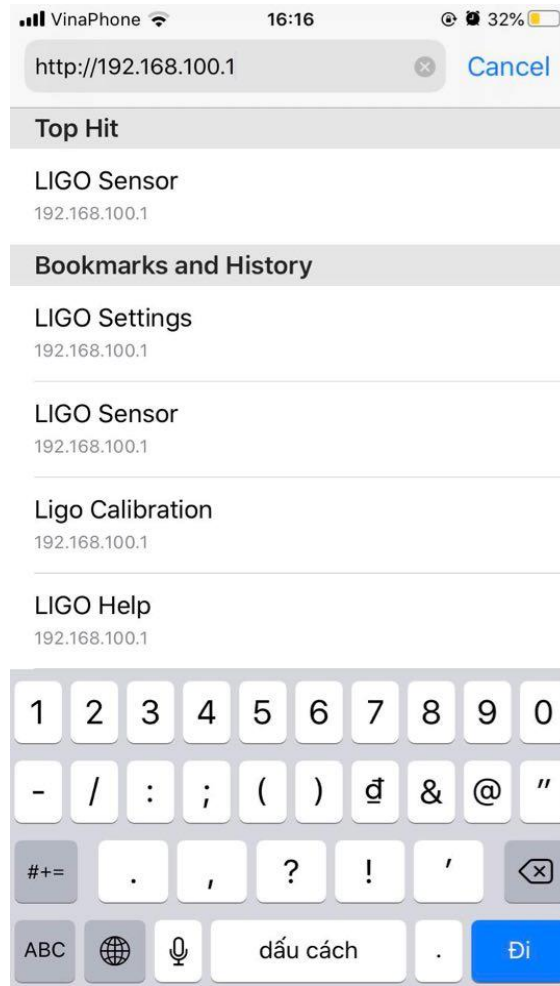


Figure 4: Typing IP address of LMC in to browser

- 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/>)

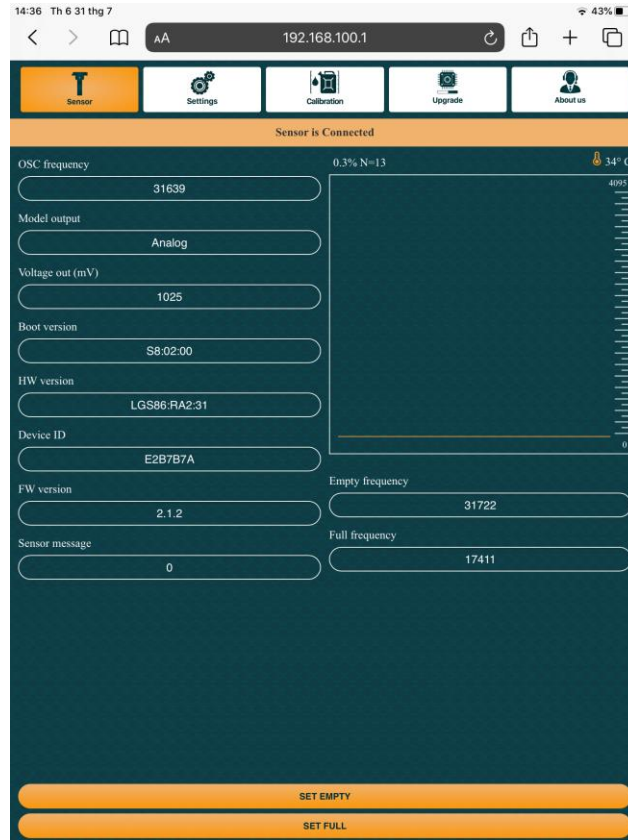


Figure 5: User interface of LMC after connected successfully

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