Modtronix Engineering
Modular Electronic Solutions

Devkit-LoRa - Getting Started Guide
Development kit for Semtec LoRa Long Range Transceiver

1 Plug battery connector in

The battery is unplugged for shipping. See "Picture 1" below. Be **VERY CAREFUL** when plugging the battery connector in. Do **NOT put too much pressure on the connector**, seeing that it can easily break off the board!

2 Screw Antenna onto SMA connector

Secure small top most board (inAir Radio module) when screwing antenna in. It unplugs quite easily from the board is is plugged into.

3 Press the reset button

After plugging in battery connector, press the reset or power button. The display should light up showing current settings. Confirm it is configured for correct frequency. If unit is malfunctioning, press the reset button.

4 Configure one unit for Master and the other for Slave

Pressing the OK button will toggle the Devkit-LoRa between "Stopped", "Master" and "Slave" mode. For testing, one module is configured for master and the other for slave. This will cause the master to start sending messages to the slave. The slave should reply.

The OLED display on the Master will show the signal strength of the local received message, as well as the signal strength of the received message on the remote slave(the slave sends it as part of the reply).
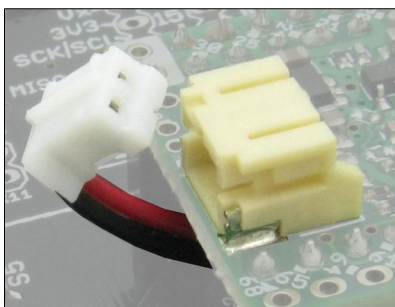
The OLED display on the Slave will show the signal strength of the local received message only.

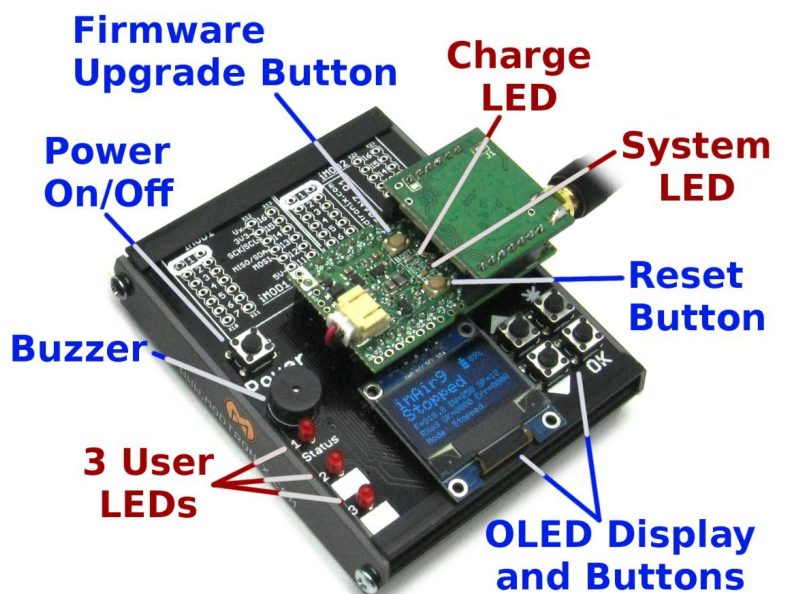## 5 Ensure battery is charged

If the unit does not turn on, it could be that the battery is flat. Charging is done by applying power via a standard Micro USB cable. The Charge LED will ligth as long as the battery is charging, and turn off when charged. The current battery charge is shown on the display as a percentage.

6 Additional Information

Additional information is available at modtronix.com/devkit-lora

Picture 1: Battery connector

Picture 2: Devkit-LoRa Buttons and LEDs