

# MOSTLink LoRaWAN Starter Guide



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# 1. Introduction

MOSTLink provides a LoRaWAN node solution for connecting your Arduino devices to the LoRaWAN network. You simply plug a MOSTLink LoRaWAN shield into a Arduino devices and write a little bit of codes. Then, your device start collecting data for you via LoRaWAN technology.

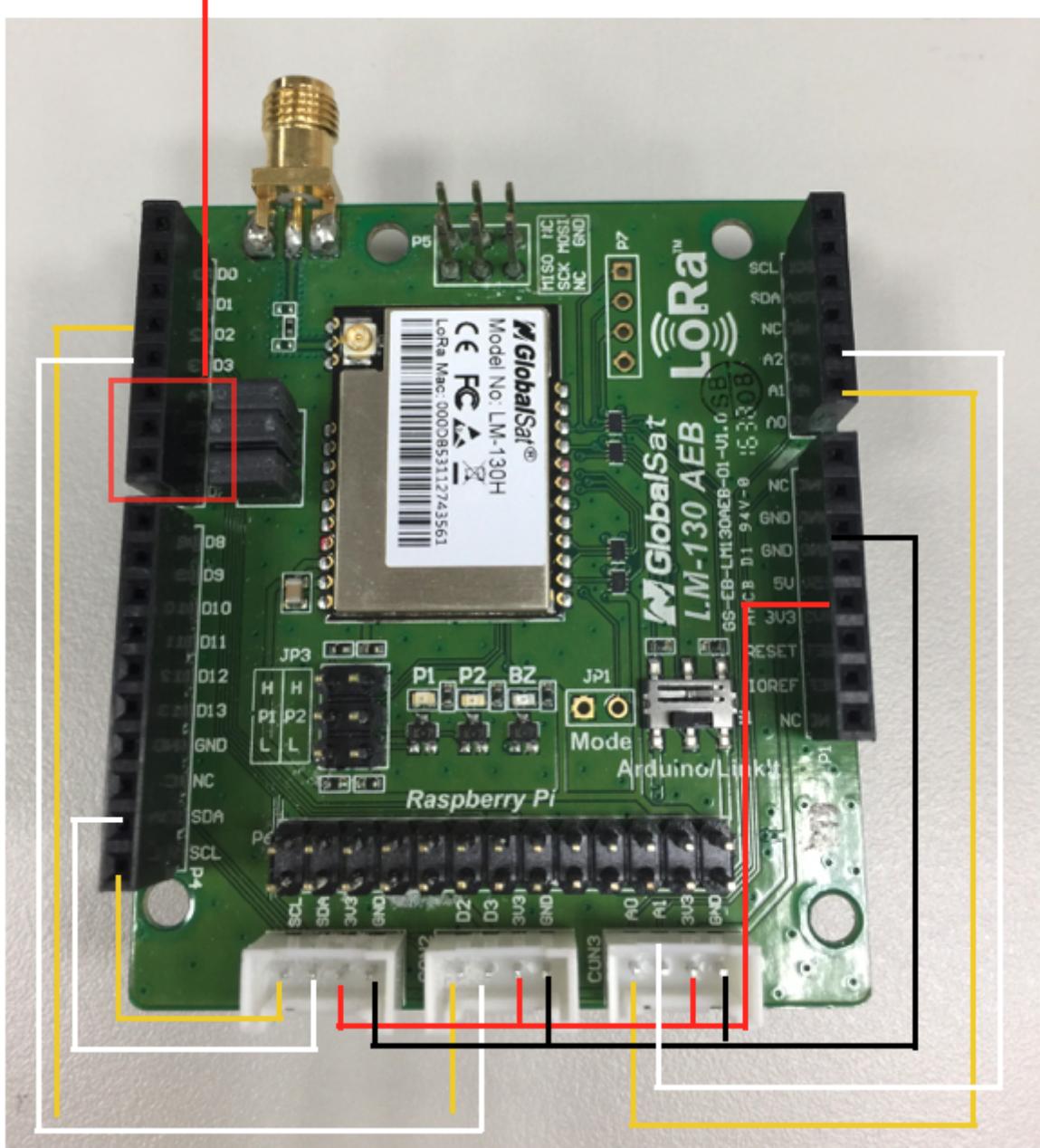
# 2. Device Requirements:

#	Item	Unit
1	MOSTLink LoRaWAN Shield	1
2	Arduino UNO	1

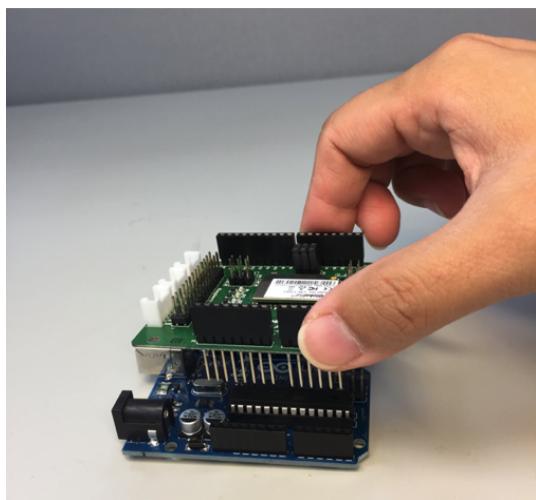
### 3. Setup:

#### 3.1 MOSTLink LoRaWAN Shield

D5,D6,D7 Occupied by MOSTLink



### 3.2 MOSTLink Node Shield on Arduino UNO



1. Adapts MOSTLink Node to Arduino UNO



2. Adapts MOSTLink node and Arduino UNO



3. Adapts MOSTLink Antenna

## 3.3 Download and Installation

### 3.3.1 Install the Arduino Software (IDE)

if you don't have Arduino IDE installed yet, please follow the links below to get step-by-step instructions to set up the Arduino IDE on your computer. ([Arduino Official Guide](#))

- [Windows](#)
- [Mac OS X](#)
- [Linux](#)

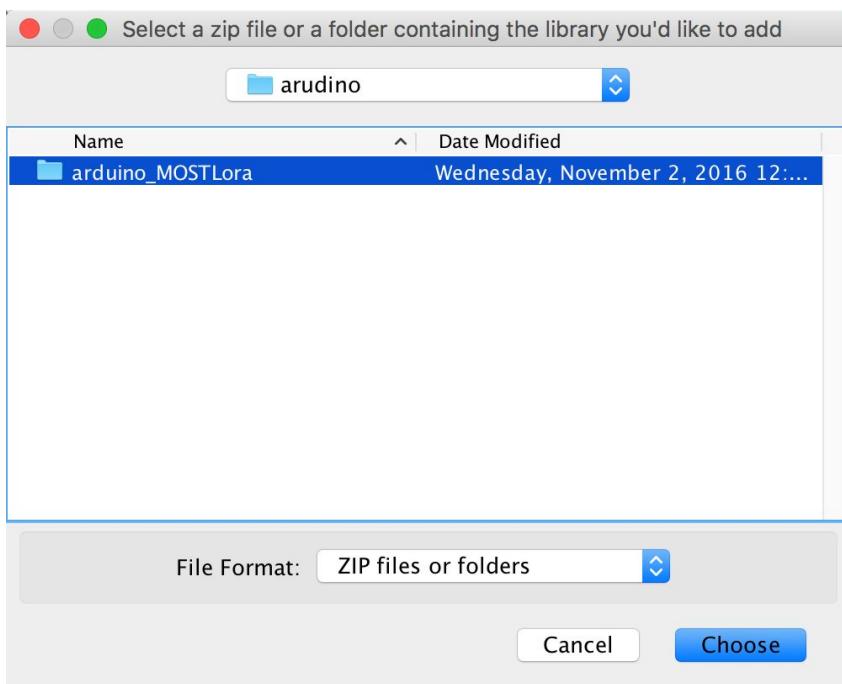
### 3.3.2 Install MOSTLink LoRa Library in your computer.

Gets the MOSTLora library with the git command: ([GitHub](#))

```
git clone https://github.com/viWavePublic/MOSTLink_LoRa_Arduino
```

### 3.3.3 Add MOSTLink LoRa Library to Arduino IDE

Opens the Arduino IDE on your computer. Clicks to the “Sketch” menu and the Include Library > Add .ZIP Library.... Selects the folder of arduino\_MOSTLora cloned from [MOSTLink Github](#) and clicks “Choose” button.

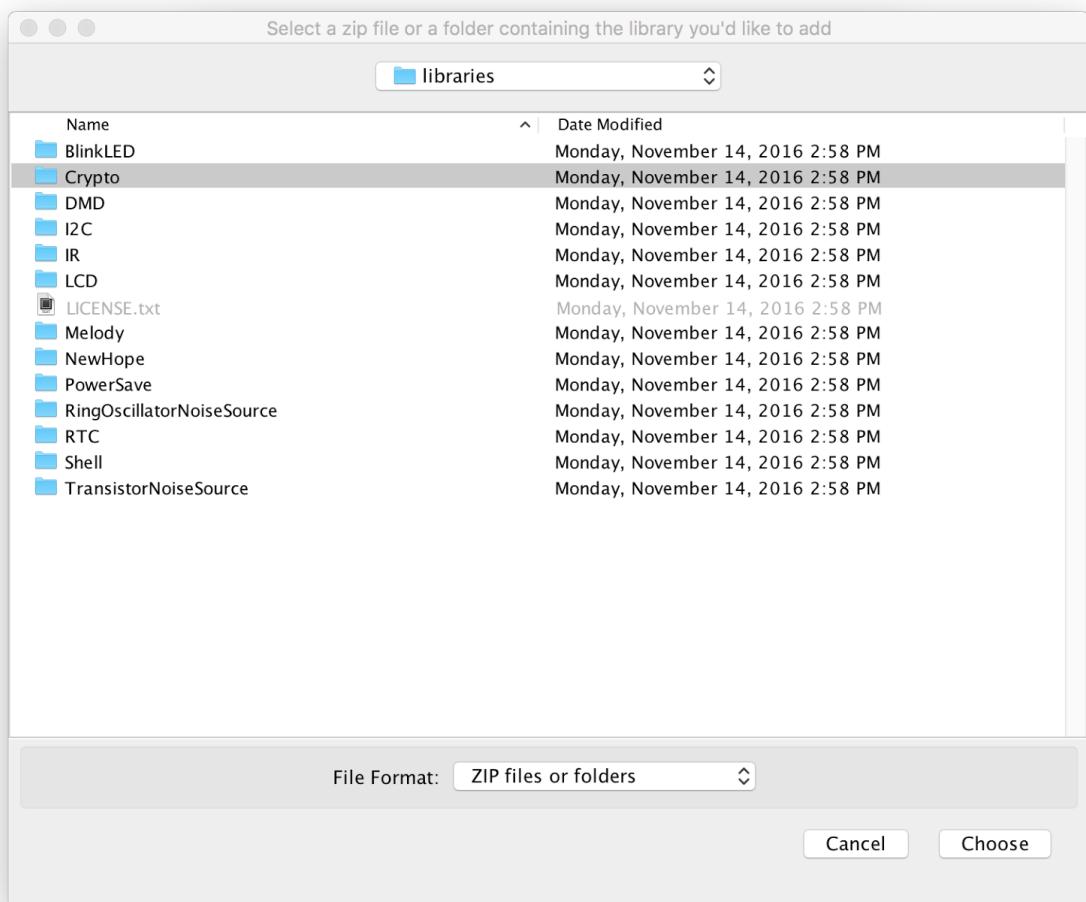


### 3.3.4 Install MOSTLink LoRa Dependency

Gets the arduino\_MOSTLora dependent library with the git command: ([GitHub](#))

```
git clone https://github.com/rweather/arduinolibs
```

Adds the dependency library, Crypto, located at arduinolibs/libraries/Crypto from Arduino IDE's menu bar: Sketch > Include Library > Add .ZIP Libraries...

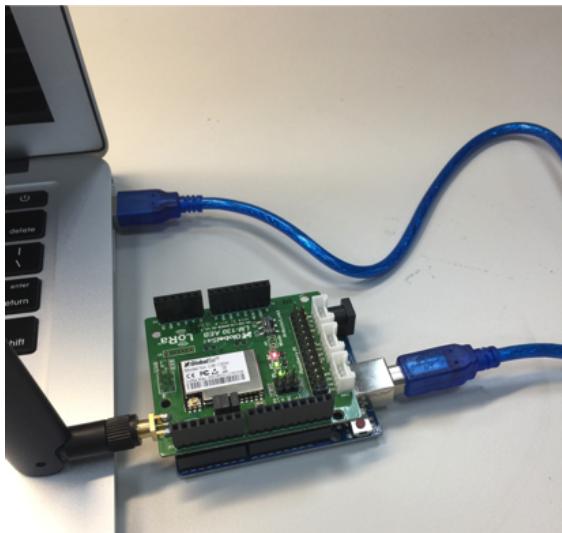


### 3.3.5 Run up MOSTLink LoRa Shield

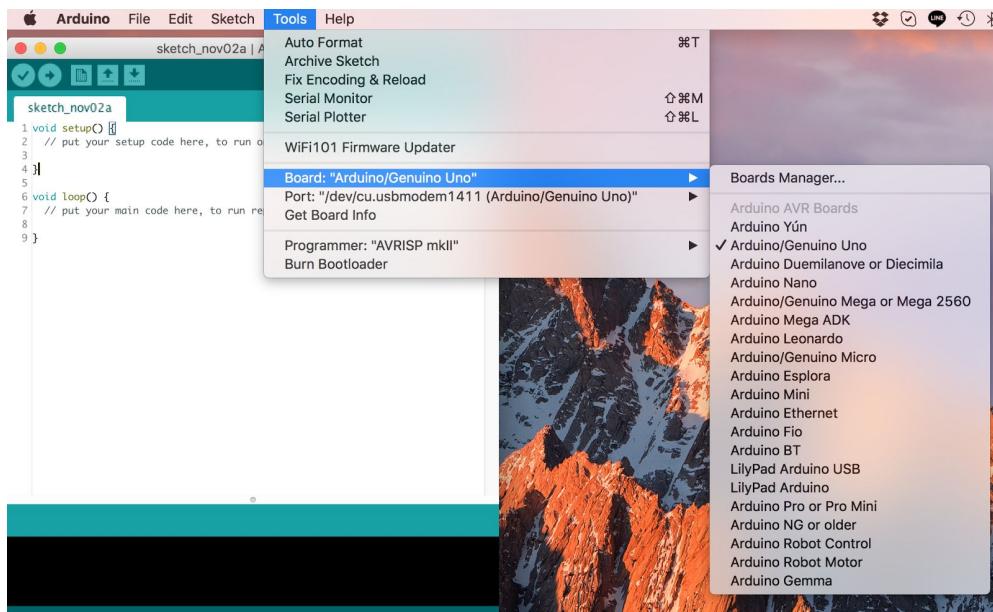
Step 1: Ensures that your MOSTLink shield has switched to Arduino.



Step 2: Connects MOSTLink Shield to computer with USB cable.



Step3: Opens Arduino IDE and creates a new sketch. Clicks Tools > Board: XXX > Arduino Genuino/ UNO to select Arudino Uno board. Then clicks Port > /dev/cu.usbmodem xxxx (Arduino Genuino/ UNO) to select the port.



Step 4: Download the sample from [[Here](#)].

Step 5: Verify and Upload it to your LoRa Node. Now, you can send or retrieve some data via MOSTLink LoRaWAN powered node.