

Birds Network Ground Station Terminal, SETECLab's implementation

Most recent version of this repository can be found in:

- [GitHub](#)

What is this repository for?

- This repository was created to develop the SETECLab's implementation of the Birds Network Ground Station Terminal.

Board v2.7

- [Schematic](#)
- [BOM](#)

DS18B20

- [Datasheet](#)
- [Implementation example](#)

Enclosure

How do I get set up?

- Install Git
- Install Arduino IDE
- Install ESP32 Board in the Arduino Boards Manager Open Arduino IDE, then Select **Tools->Board:->Boards Manager...** Search **ESP32** and install it.
- Install Heltec ESP32 Library in the Arduino Library Manager Open Arduino IDE, then Select **Sketch->Include Library->Manage Libraries...** Search **Heltec ESP32** and install it.
- Install Adafruit MQTT Library in the Arduino Library Manager Open Arduino IDE, then Select **Sketch->Include Library->Manage Libraries...** Search **Adafruit MQTT** and install it.
- Install Adafruit MCP9600 Library in the Arduino Library Manager Open Arduino IDE, then Select **Sketch->Include Library->Manage Libraries...** Search **Adafruit MCP9600 Library** and install it.

Contribution guidelines

- If you want to propose a review or need to modify the code for any reason first clone this [repository](#) in your PC and create a new branch for your changes. Once your changes are complete and fully tested ask the administrator permission to push this new branch into the source.
- If you just want to do local changes instead you can download a zip version of the repository and do all changes locally in your PC.

Who do I talk to?

- [Juan J. Rojas](#)
- [Ian Coberly](#)