

Software Setup

Once you have assembled the hardware components and circuitry for TERRA, the next step is to upload the necessary files onto the Arduino. There are two main files that are required; the libraries and main script. Download the lib folder found in the in TERRA's GitHub repository. After downloading, transfer these files into the Libraries folder found in your Arduino directory. Lastly, download the main.ino file found src folder in TERRA's GitHub repository. Upload the main.ino file via the Arduino IDE. If the Arduino is reuploaded with other code then you must re-upload the Arduino with the main.ino file.

After setting up the Arduino, download the Peripheral Manager executable on the GitHub and unzip the file. Go to the directory that you put the file into, open terminal, and run the command `./server`. This will host a local server that the UI requires to connect to TERRA.

The UI can then be accessed by visiting TERRA's GitHub Page, found here <https://github.com/CIDARLAB/Terra>.