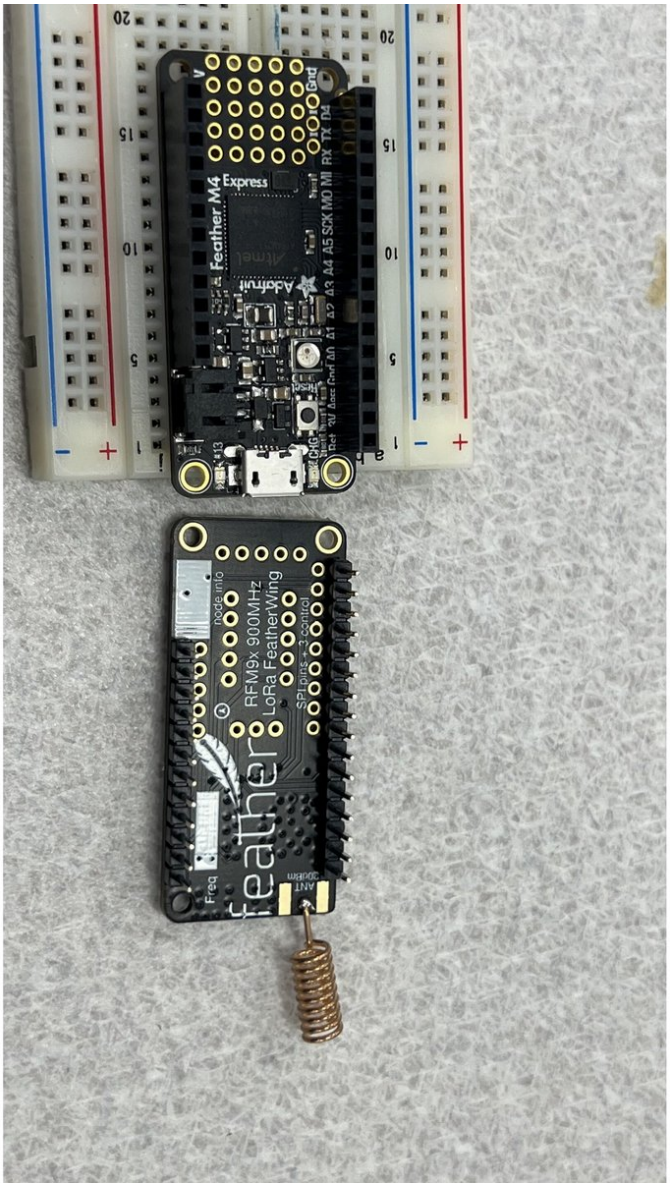
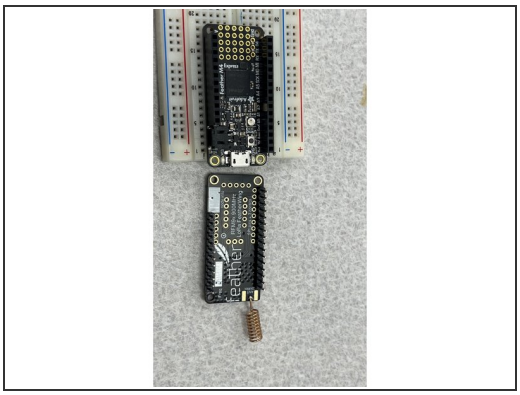
Bucknell UNIVERSITY

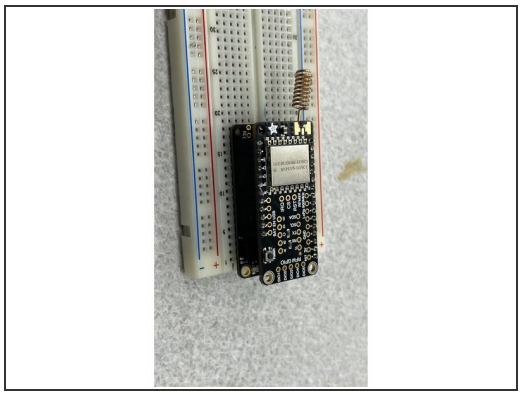
Usage of RFM9x LoRa FeatherWing

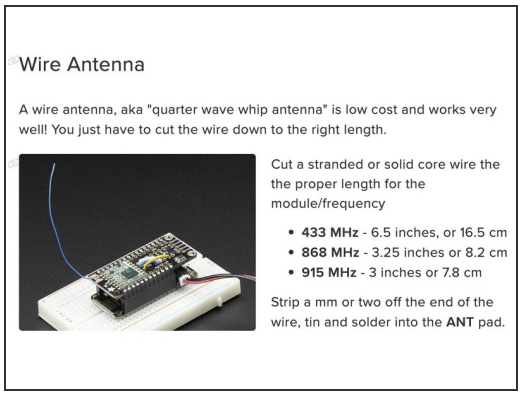
Written By: Yuhe Zhang



Step 1 — Prepare your stuff

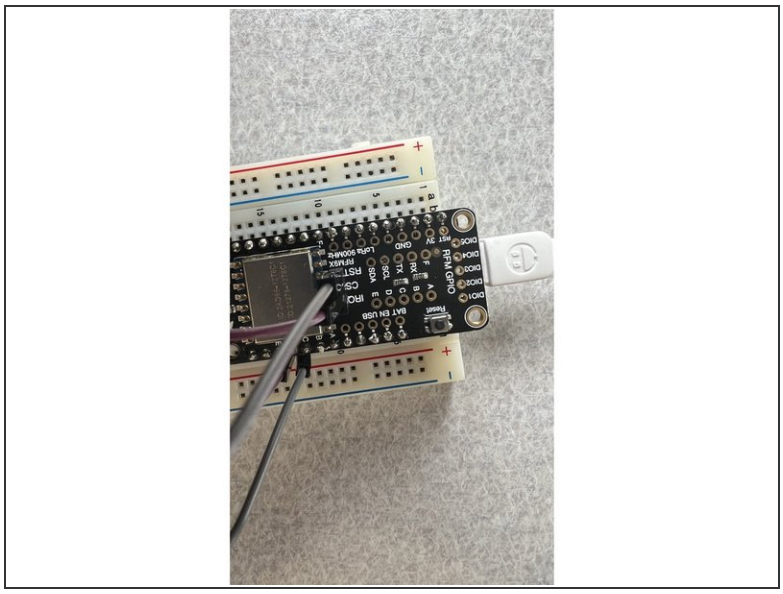


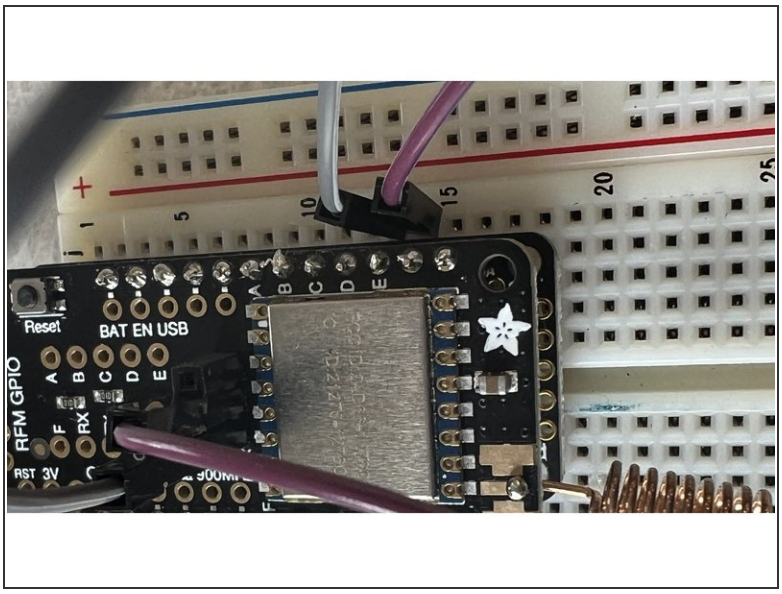




- Get 2 RFM9x LoRa FeatherWings, get 2 feathers(using M4 in this instruction).
- Get some male-male jumper wires.
- Have two laptops with Mu editor installed. Remember to update the firmware of Feather to the newest version and download the "adafruit_rfm9x" and "adafruit_bus_device" libraries, put them in the "lib" folder inside Feather.
- Note: if your LoRa feather has no antenna on it, please follow the instruction on the last picture, and solder the antenna on to your chip.

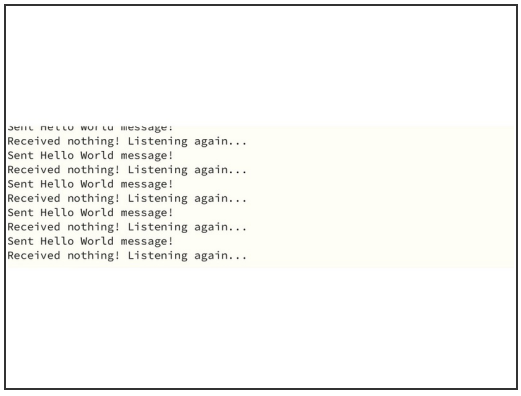
Step 2 — Some wiring



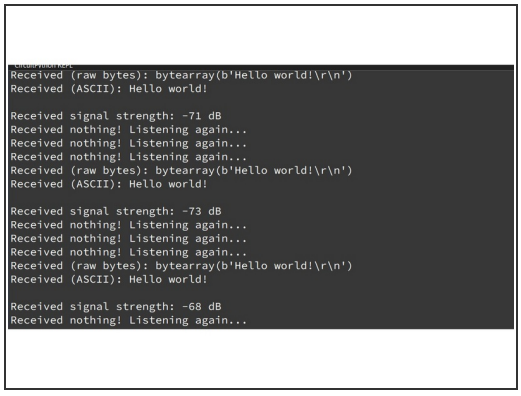


- On the LoRa FeatherWing, find the CS and RST pin; connect CS to the E pin(correspond to board D5); connect RST to the D pin(correspond to board D6).

Step 3 — Start testing







- Connect the two Feathers to your laptops, follow this link, scroll down and copy the code from the end.
  - https://learn.adafruit.com/radio-feather...
- You should see something like this(refer to the picture).
- Note: Obstacles and walls are large impacts in terms of signal transmitting, which decreases the distance of transmission.

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