

ADS-B Hub Account Set Up

Navigate to ADSBHub.org

Go to <https://www.adsbhub.org/>

Note: Recommend only one team member per team set up an account.

Click on the “How to feed?” link in the ribbon bar or use the following URL:

<https://www.adsbhub.org/howtofeed.php>

Complete Steps 1 and 2.

Recommended answers to the data fields in Step 2:

- ☐ Station name: Something clever that your team will recognize.
- ☐ Feeder type: PiAware
- ☐ Data protocol: Raw
- ☐ Station mode: Client
- ☐ Station host IP: Use a link like the following <https://whatismyipaddress.com/>
- ☐ Latitude and longitude: Use a link like the following <https://www.latlong.net/>

Configure your ADS-B receiver/software - Step 3

Note: These instructions are also found in PI_Setup.txt file.

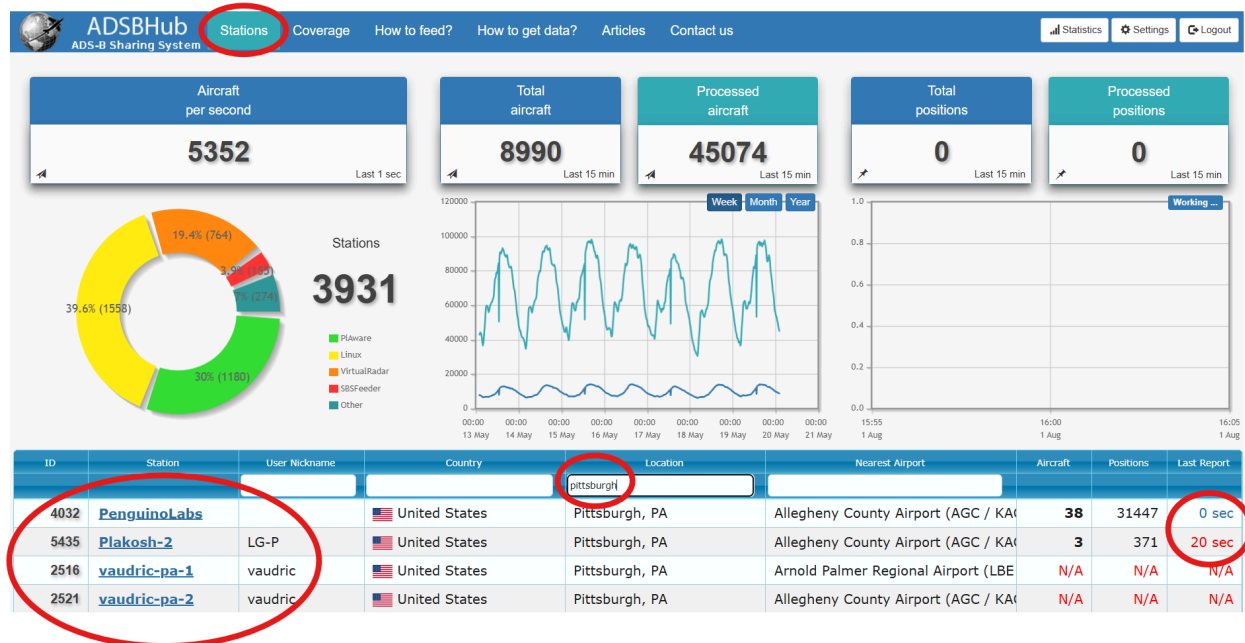
Complete the first three sub steps:

- ☐ Download and install ADSBHub client
- ☐ Check you ckey
- ☐ Start ADSBHub client

Number 4 and 5 are optional sub steps.

Note: when running `/usr/bin/adsbhub.sh &`, you are not required to use the `&`. In other words you can simply run `/usr/bin/adsbhub.sh`. The `&` allows the command to run in the background. Also, you do not need to be in the root or superuser mode. Click Ctrl + D, to go back to regular user mode. Recommend running the [adsbhub.sh](#) with sudo in regular mode, for example:
`sudo adsbhub.sh`

Test your station



Click on “Stations” in the upper left of the ribbon.

Type in Pittsburgh in the location to sort and filter by location.

Look for your station ID and name.

Note:

Ensure `./dump1090` and `./adsbhub.sh` must be running on your Raspberry Pi Station.

After registering your device and running the software on the Raspberry Pi, the ADSBHub server may take up to 20 minutes to set up the initial exchange of track information. After the first exchange, the Raspberry Pi station and ADSBHub will connect quickly (e.g., a few seconds).

Student teams can confirm whether tracks are exchanged by checking the far right column “Last Report”. If your station is actively contributing tracks to ADSBHub.org, the time will generally be within a few seconds.