

Flash firmware on telemetry modules

Frederik Mazur Andersen fm@mmmi.sdu.dk

1 Flash telemetry modules

In order to show the current telemetry and not the average rssi a change has been made in the firmware of the radio modules. To flash your telemetry modules with the new firmware following the steps below.

1. Download and extract the zip file from blackboard.
2. Go into the downloaded folder in terminal
3. Make sure only one telemetry module is connected though usb. (Should be port ttyUSB0)
4. install pexpect with: `pip install pexpect` If running Ubuntu 16.04 you might have to run `pip install --upgrade pexpect` to get the latest version.¹
5. Run command: `python sik_uploader.py --port /dev/ttyUSB0 --baudrate 57600 radio_hm_trp_2.0_current_rssi.ihx`
6. Repeat for second module. Both modules needs to be flashed.
7. Setup both modules though apm-planner again as instructed in the weekly notes.

¹Ensure it gets installed for Python 2.7. You might have to use `pip2` instead.