

Install Guide for Cleanflight and Control via MSP

Compiling Firmware

Download firmware and compile with

```
make TARGET=NAZE OPTIONS=USE_MSP_UART
```

There is also a version located `cleanflight_2.1.0_NAZE.hex`.

Flashing Firmware

1. Open the cleanflight configurator and go to the “Firmware Flasher” tab.
This tab is before you connect to the base station.

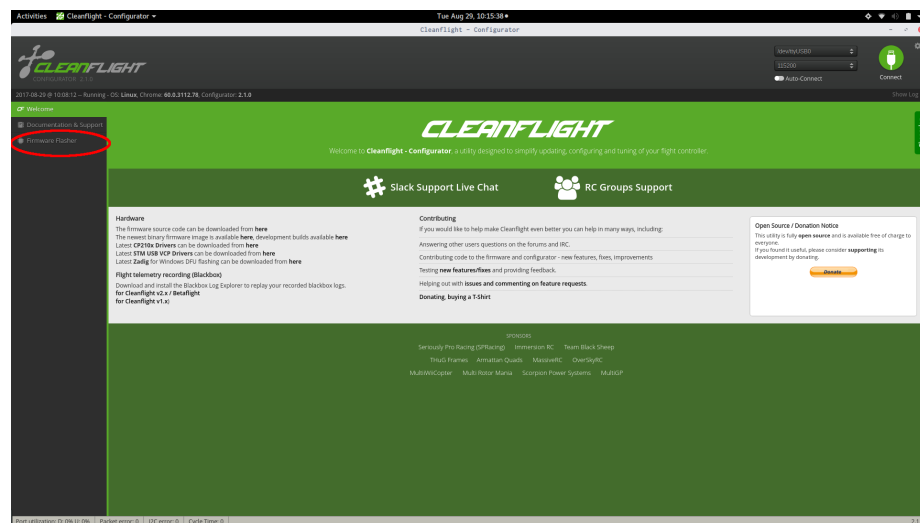


Figure 1: Firmware Flasher

2. Click “Load Firmware [local]” and load your custom firmware file from `cleanflight/obj/cleanflight_x.y.z_NAZE.hex`
3. Click the “Flash Firmware” button to flash the flight controller.
4. If this is a success, the bar at the bottom will say “Programming: SUCCESSFUL” and you are ready to move to the next step.

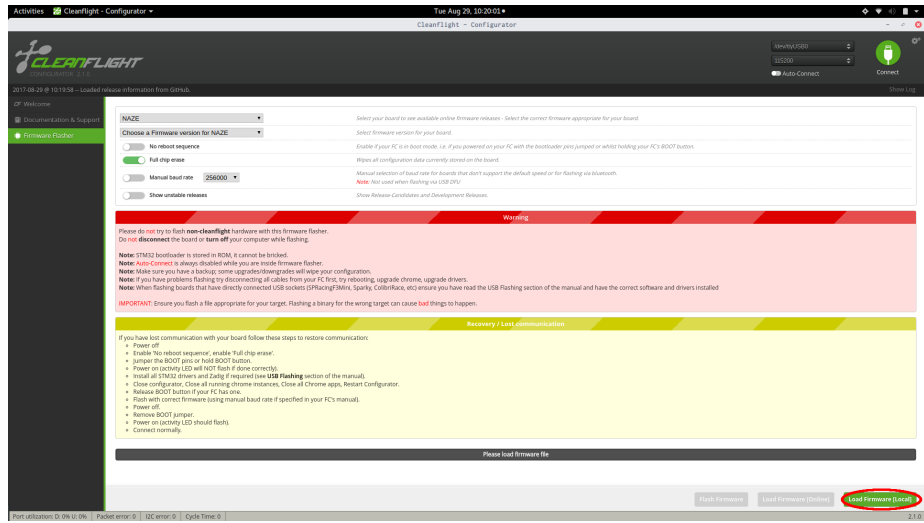


Figure 2: Load Firmware

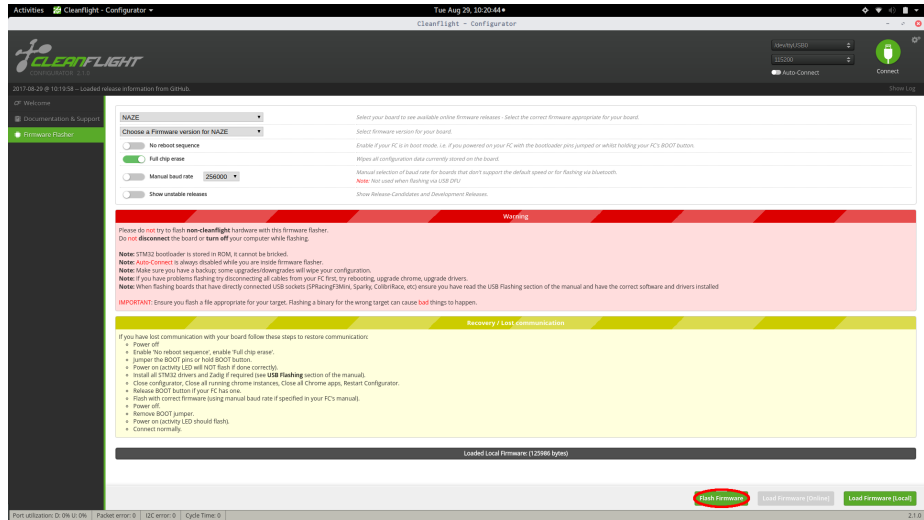


Figure 3: Flash Firmware

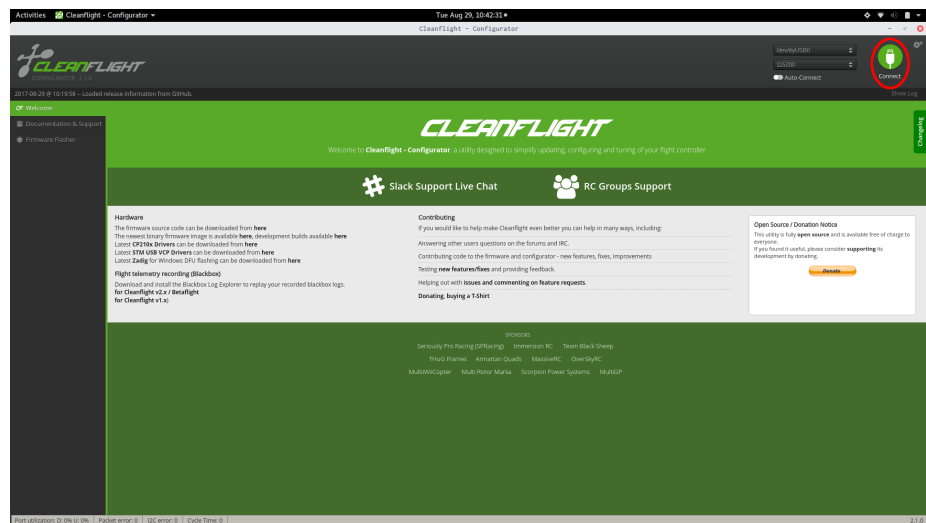


Figure 5: Connect to Skyline

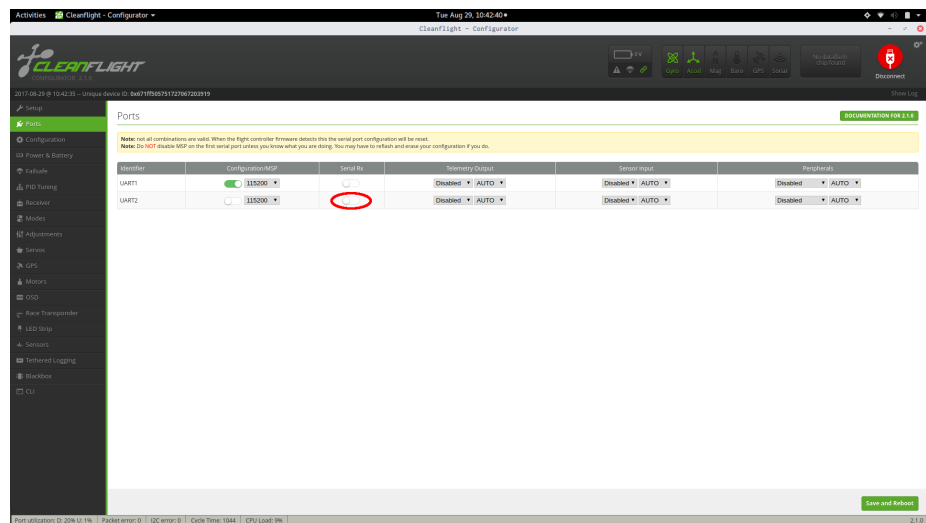


Figure 6: Disable SerialRX

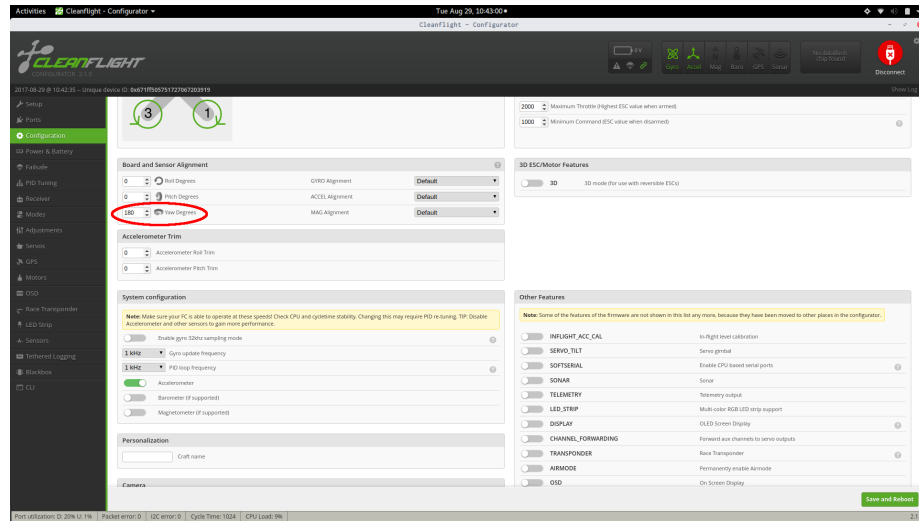


Figure 7: Flip Yaw

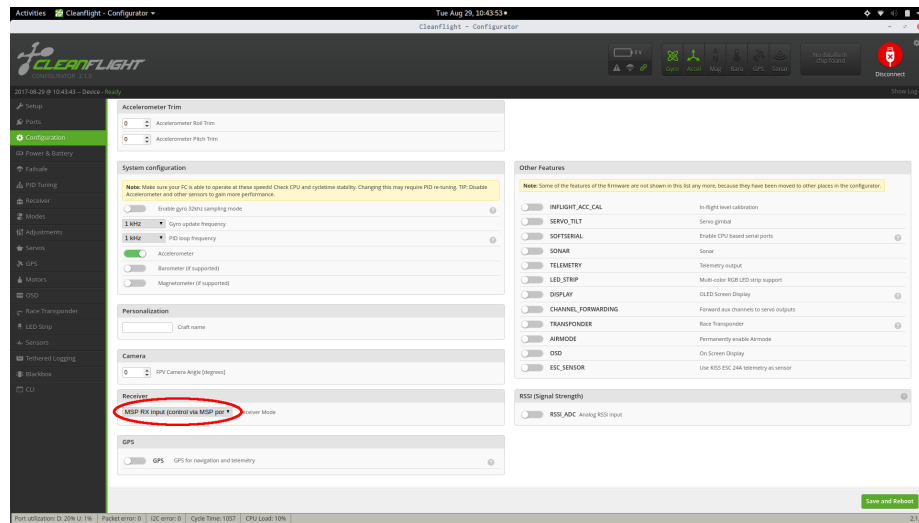


Figure 8: MSP RX

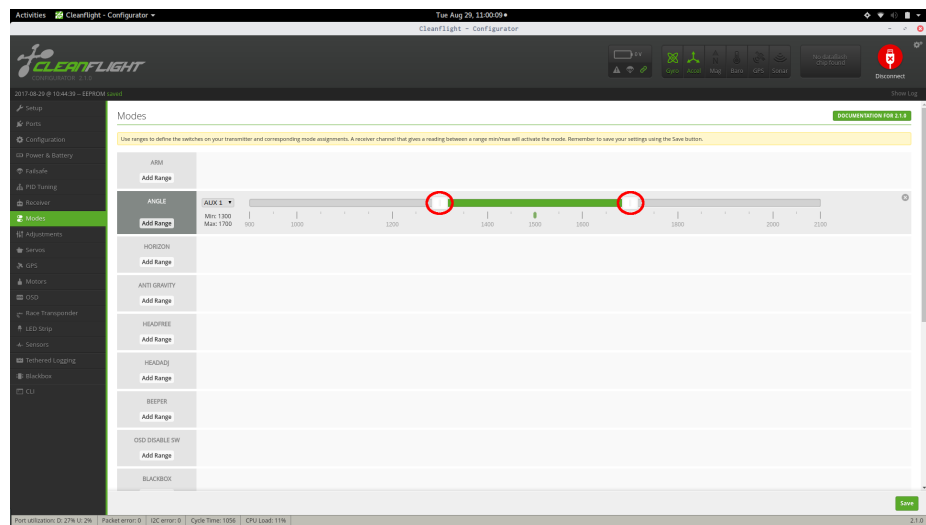


Figure 11: Angle Range Before

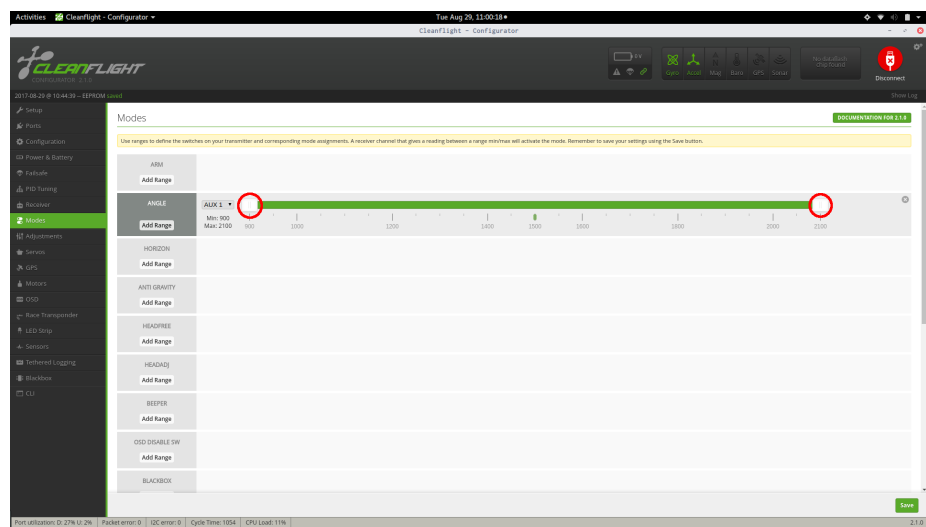


Figure 12: Angle Range After

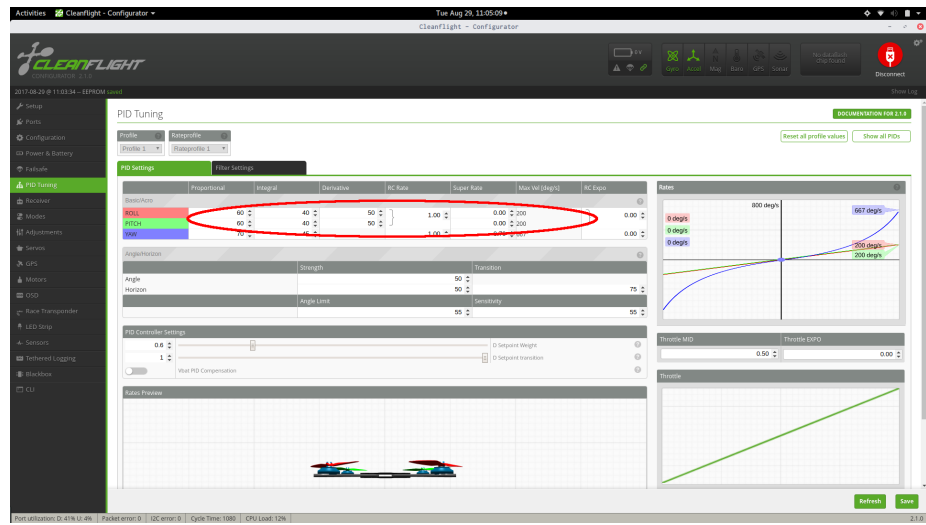


Figure 13: PID Settings

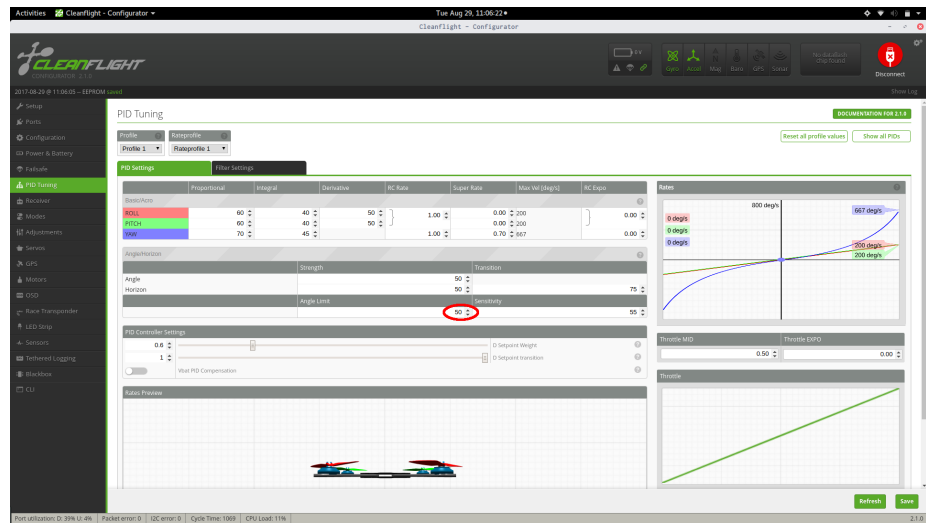


Figure 14: Angle Limit

Other Options

Throttle Angle Compensation

Go to “CLI” tab and type

```
set thr_corr_value = XX and set thr_corr_angle = YY
```

This will set it (linearly?) so that it adds **XX** to the throttle when at angle **YY**