

Figure 2: Load Firmware

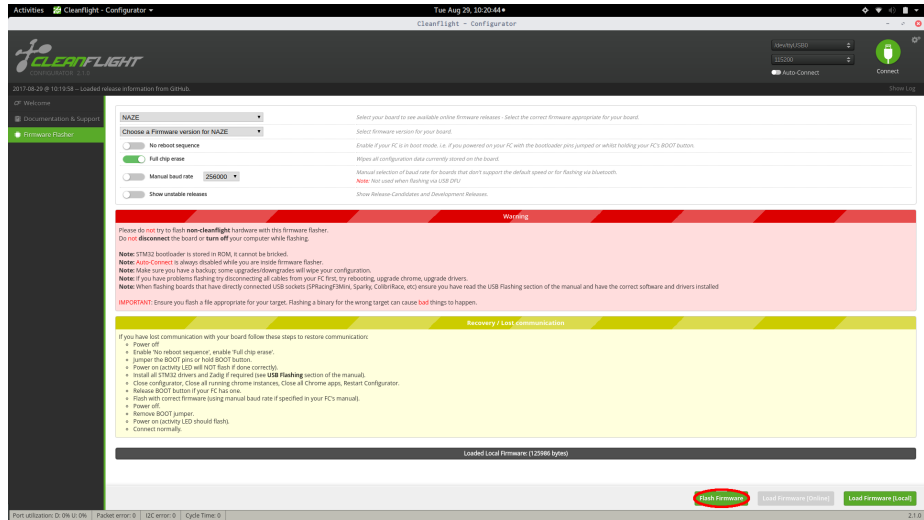


Figure 3: Flash Firmware

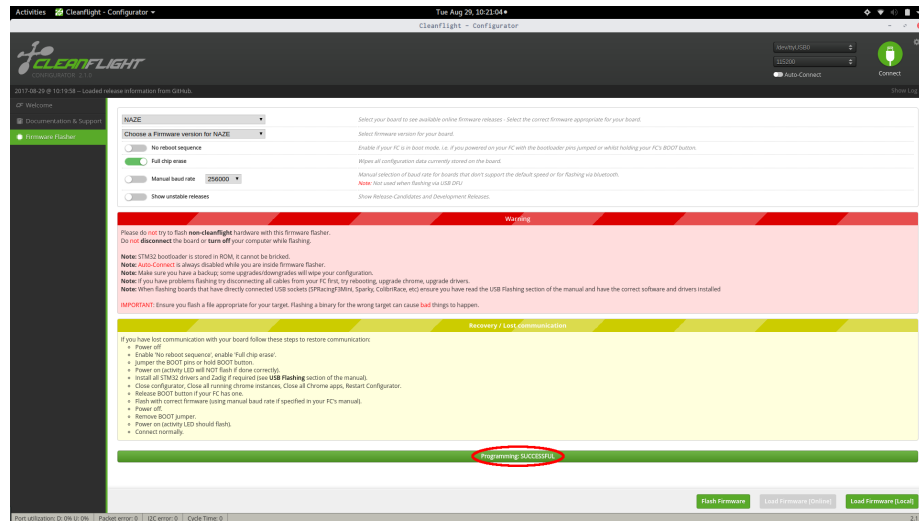


Figure 4: Successful Flash

Configuration Options

1. Plug in Skyline and click “Connect”
2. Go to “Ports” tab and make sure SerialRX for UART2 is disabled and click “Save and Reboot”
3. Go to “Configuration” tab
 - a. Flip the yaw by 180 degrees and click “Save and Reboot”
 - b. Also change the receiver to “MSP_RX” and click “Save and Reboot”
4. Go to the “Receiver” tab and change the input map to “AERT1234” and click “Save”
5. Go to the “Modes” tab
 - a. Under “Angle”, click “Add Range”
 - b. Drag the sliders so that the range spans from 900 to 2100
 - c. Click “Save”
6. Go to the “PID Tuning” tab
 - a. Change the “ROLL” and “PITCH” PID terms to match the image
 - b. Change the “Angle Limit” to 50
 - c. Click “Save”
7. Plug the skyline back into the Pi and you should be set to fly!

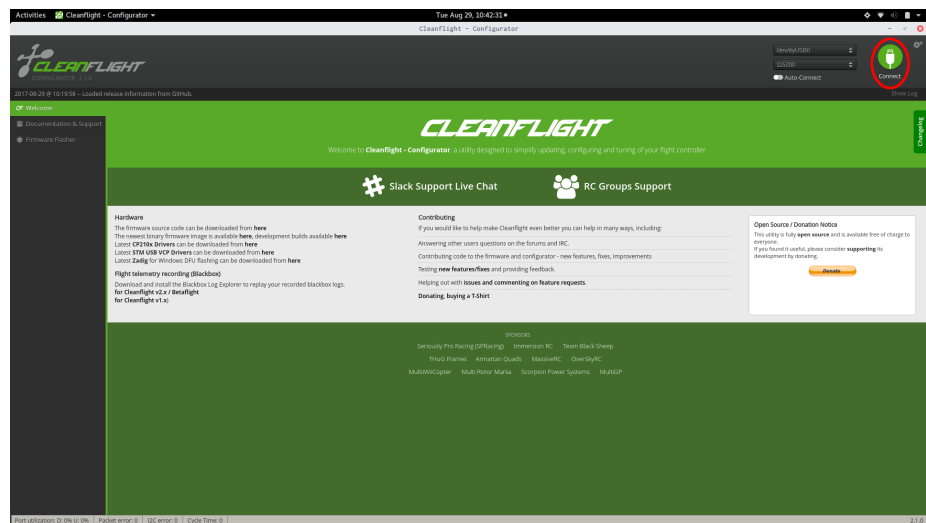


Figure 5: Connect to Skyline

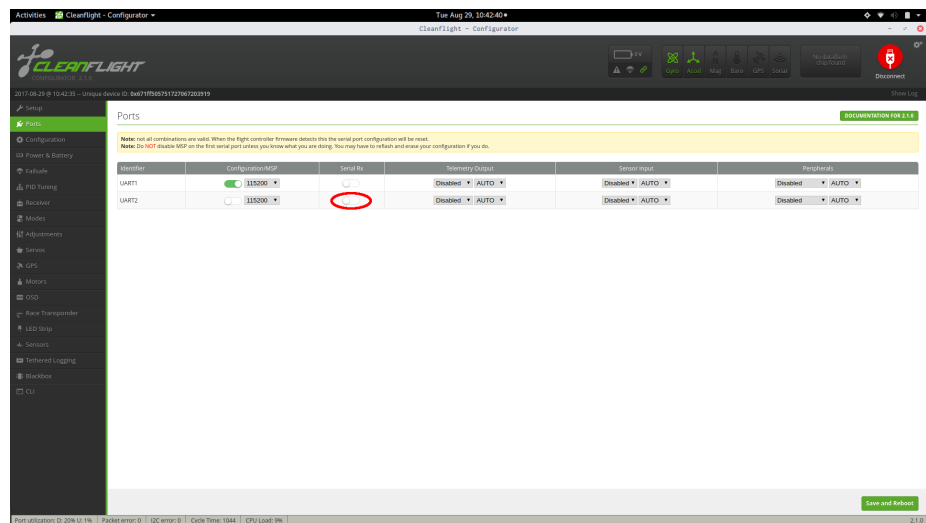


Figure 6: Disable SerialRX

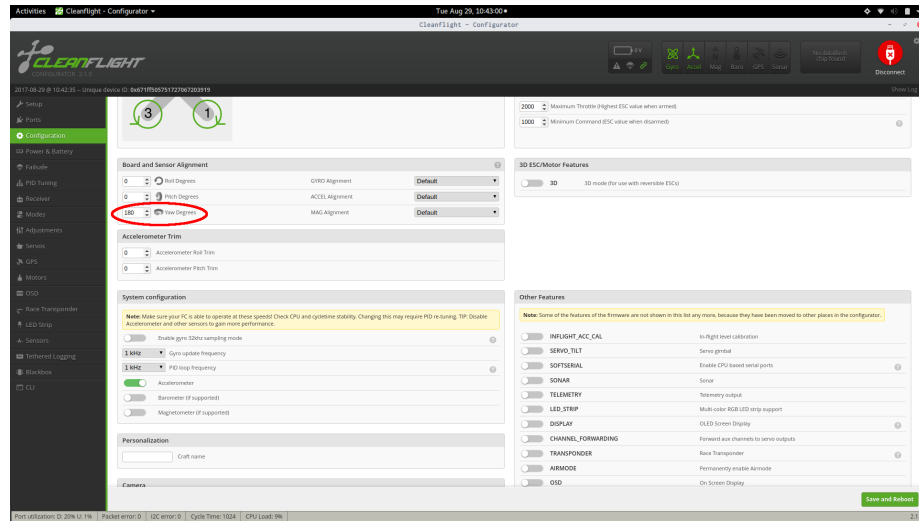


Figure 7: Flip Yaw

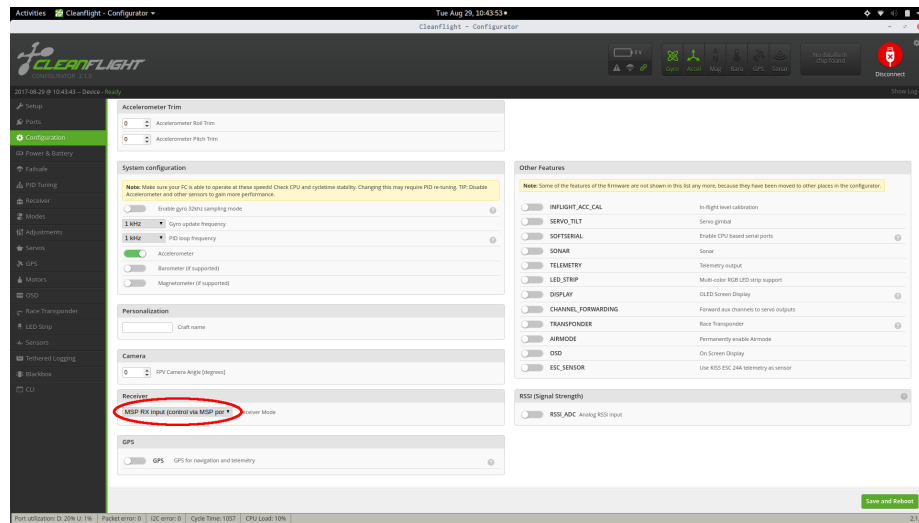


Figure 8: MSP RX

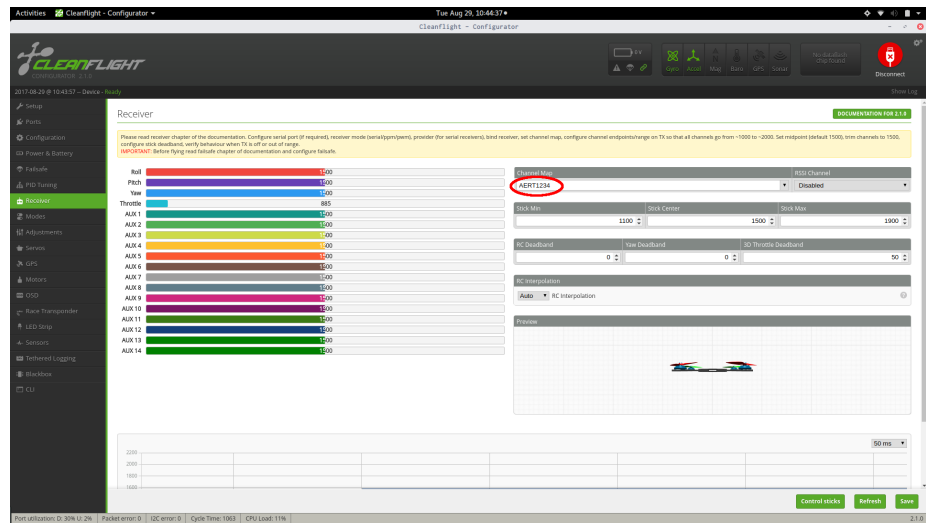


Figure 9: Channel Mapping

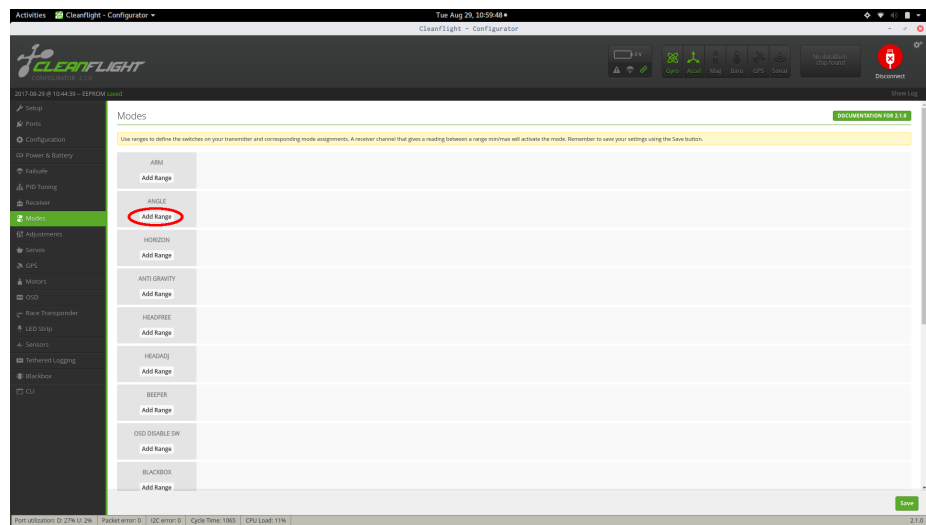


Figure 10: Add Range

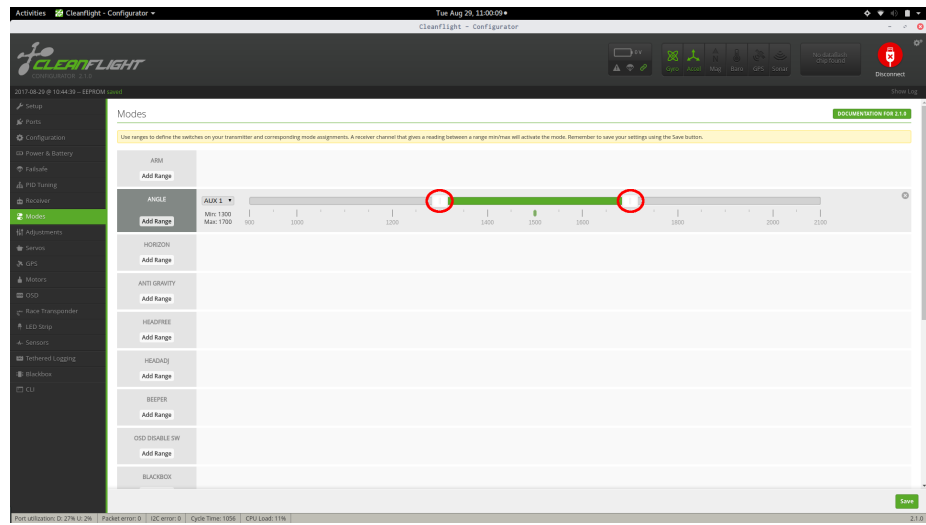


Figure 11: Angle Range Before

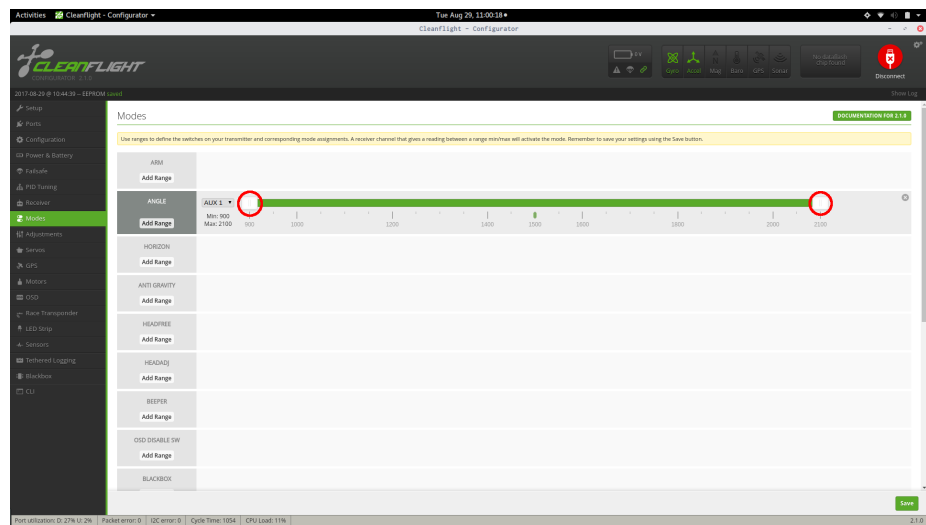


Figure 12: Angle Range After

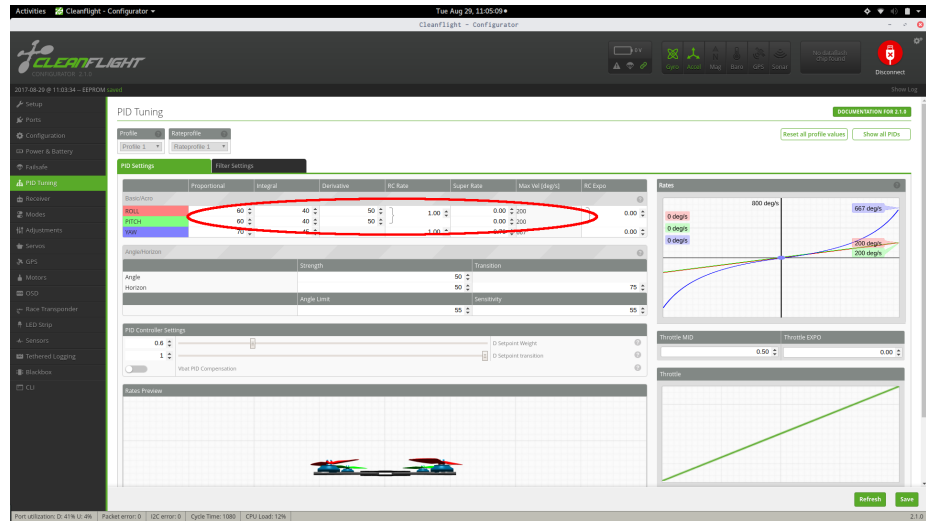


Figure 13: PID Settings

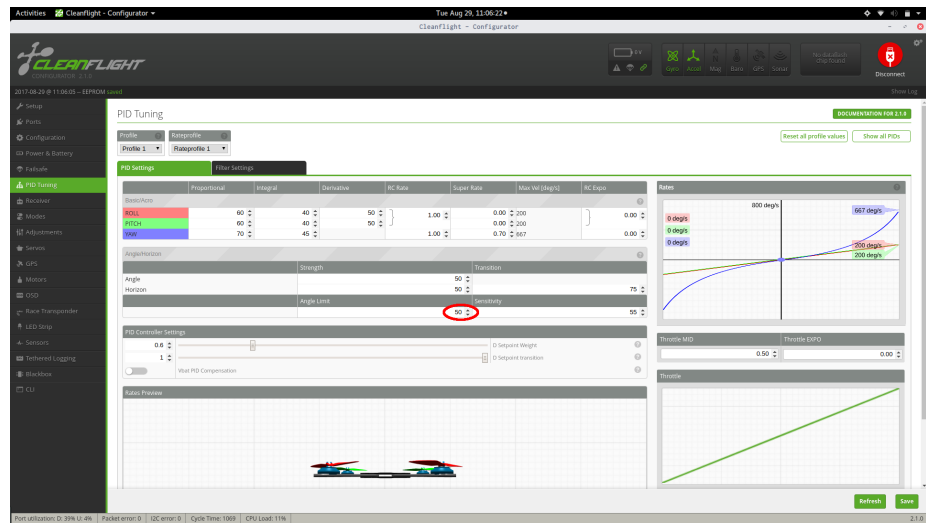


Figure 14: Angle Limit

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