MP-1

Quad UAV Interfacing

# Flight experience

Describe your experiences in practicing controlling the quad.

# Describe PPM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Channel # | Min w/o Trim | Max w/o Trim | Min | Max | Description |
| 1 | 0.602 | 1.622 | 0.602 | 1.622 | Left dial |
| 2 | 0.601 | 1.632 | 0.601 | 1.632 | Right dial |
| 3 |  |  |  |  | Left stick(H) |
| 4 |  |  |  |  | Left stick(V) |
| 5 |  |  |  |  | Right stick (V) |
| 6 |  |  |  |  | Right stick(H) |

# Concerns About Connecting to ZedBoards

The transmitters use 5 V but the zedboards use 3.3 V. We will have to use a level shifter to convert between the two. The connectors that we have in lab also limit what pins on the pmods that we can use.

\*\*Note about the cable\*\*

Red is Vcc. White is data/signal. Black is ground.