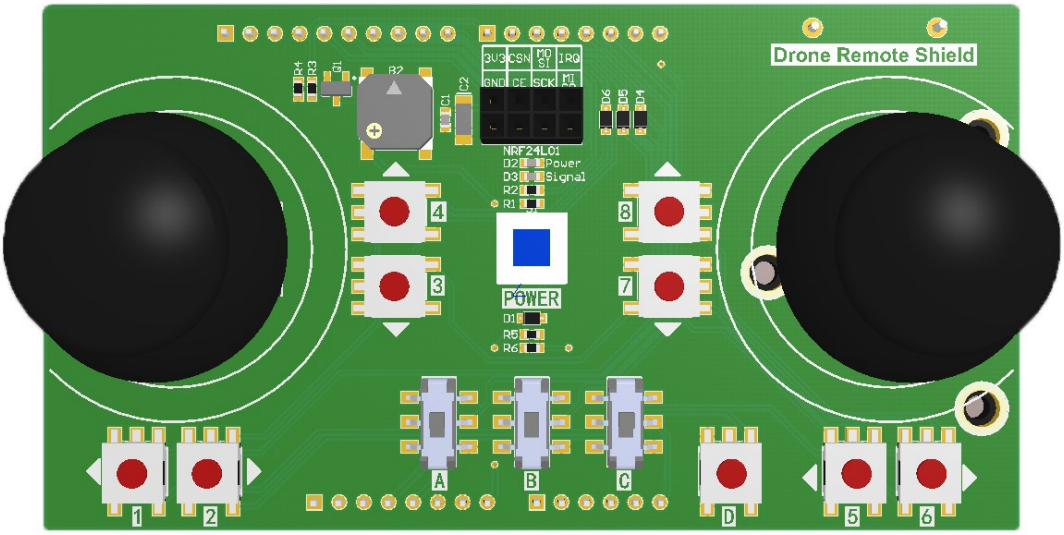
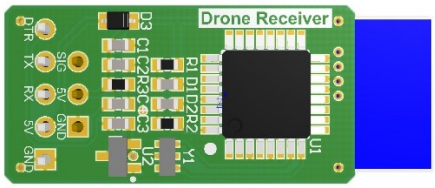
Remote



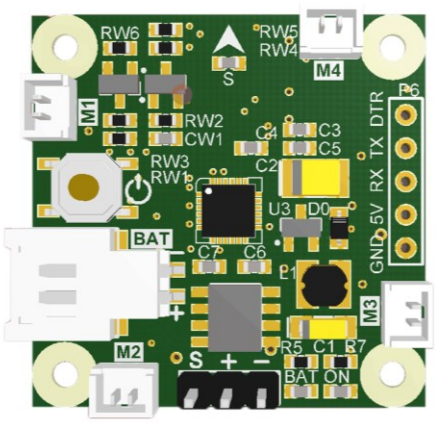
- POWER: Power switch.
- Button 1, 2, 3, 4, 5, 6, 7, 8: Used to adjust the center position of corresponding direction of joystick. The data will be stored in EEPROM, so it will not be lost even if the power is restarted.
- Switch A, B, C and button D: Used to control additional channel AUX1, AUX2, AUX3, AUX4. Additional channels can be configured in MultiWii GUI to control some functions.
- LED Power: Power indicator. Its on condition indicates that the power is turned on.
- LED Signal: Signal indicator. Its on condition indicates that the communication with Receiver is successful.
- Buzzer: When a button is pressed or a switch is toggled, it will sound. Continuous sounding indicates that the battery is under low power. In order to save power, it is better to switch off the power as much as possible in idle time.

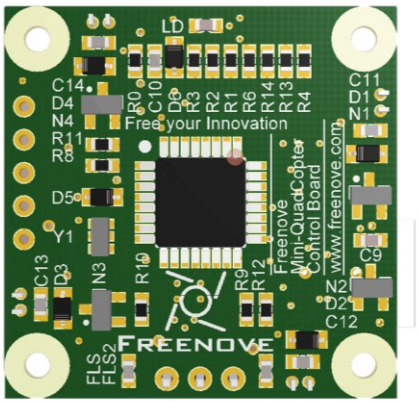
Receiver



- LED D1: Power indicator. Its on condition indicates that the power is turned on.
- LED D2: Signal indicator. Its on condition indicates that the communication with Remote is successful.

Drone Controller





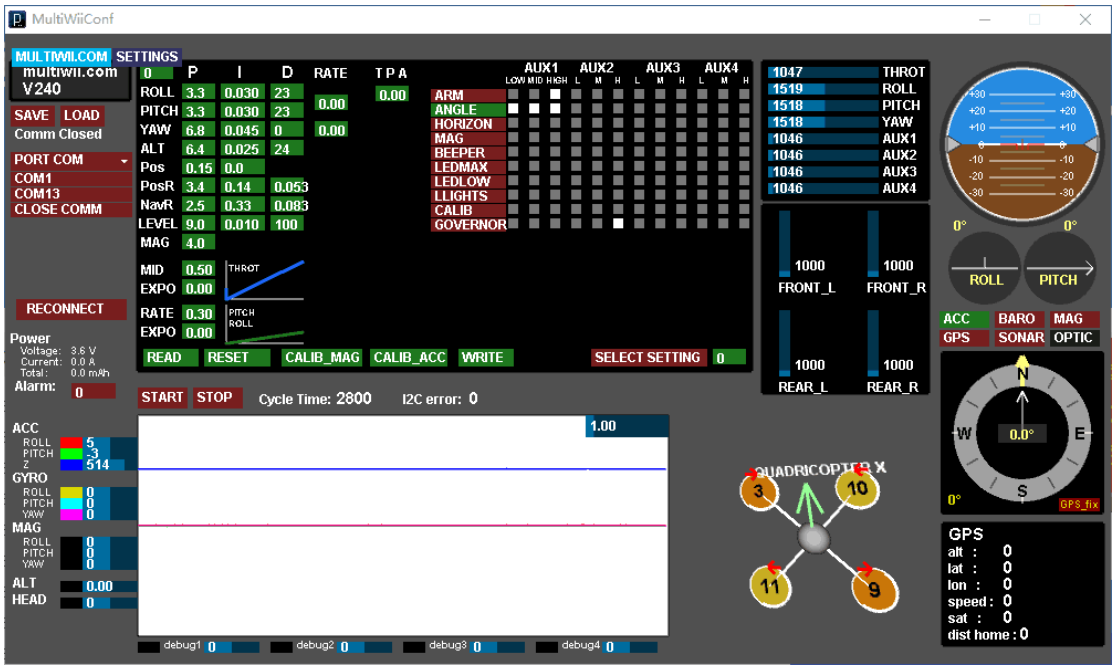
Front:

- LED S: Blue, signal indicator.
- LED BAT: Yellow, battery level indicator (blink 1/2/3 times, from high to low).
- LED ON: Yellow, power indicator. Its on condition indicates that the power is turned on.

Back:

- LED FLS, FLS2: Green, Flashlight. Two flashes each time in the flight.
- LED LD: Blue, Landing Light. Reserved. It can be controlled independently, and the current configuration function is consistent with Flashlight.

Configuration



You can configure functions through MultiWii GUI.

The switch A, B, C and button D on the remote control correspond to the additional channels AUX1, AUX2, AUX3, AUX4. You can configure them to control some of the functions. Configuration is shown in the diagram:

- ARM (unlock) is controlled by AUX1(switch A), and high (switch A to top) is enabled.
- ANGLE (self-stability) is controlled by AUX1 (switch A), but it is enabled at any time.
- GOVERNOR (voltage compensation) is controlled by AUX2 (switch B) and high (switch B to top) is enabled.

The feature of joystick of remote controller can be adjusted by the curves:

- MID EXPO is used to adjust Drone power.
- RATE EXPO is used to adjust PITCH and ROLL.

Note

- Same address need be set in respective code of Remote and Receiver to communicate.
- Freenove USB-to-Serial is needed to upload code for Drone Controller and Receiver. They are based on “Arduino Pro or Pro Mini”.
- Please do not change the MultiWii, Remote and Receiver code we provided. Otherwise some functions may be invalid.