

PRO GUARD +

ACTIVE BACKUP GUARD W/ BUILT IN 2s LI-PO CHARGER



Installation:

1. Connect the Male to Male Cable to RX1 then connect the other end to any available port on your Rx or FBL Controller.

2. Connect the Signal Cable to RX2 then connect the other ends to your Rx or FBL Controller for the corresponding channels, Aileron, Elevator and Pitch.

2. Connect the corresponding Servos to their respective locations labeled PIT, ELE and AIL.

3. Connect the Output of your BEC or Power Source to the 7.4 Main Input.

4. If using Tx Telemetry to monitor, connect the module to the T+ and T- pins, then program Tx to alarm when voltage reads below 5v.

5. If using an external switch to turn the Backup Battery on and off, connect to the 2 Sw pins. Any switch or Pin Flag setup will work.

Operation:

1. Plug in the Aux Battery (or switch on using a switch connected to the 2 pins labeled Sw), then make sure the Red LED is on in the Status. The optional external LED or BUZZER will also be active at this time.

2. Connect or Power on the Main Input, then make sure the Status has switched from the Red LED to the Green LED. Also verify that the optional external alert is also now off.

4. GO FLY!!!

IF YOU HAVE ANY QUESTIONS FOR INSTALLATION, PLEASE CONTACT US VIA OUR SUPPORT SYSTEM LOCATED ONLINE AT:

[HTTP://SUPPORT.PERFECTREGULATORS.COM](http://support.perfectregulators.com)

The Pro Guard + is an ACTIVE Switching Backup Guard for R/C Helicopters and is specifically designed for use in HV Setups.

If at any time the Pro Guard + sees a voltage lower than 4.5v on the Main Input for any reason, it will automatically switch over to use the connected Backup Battery without any loss of control. If the voltage rises to 6.5v or above, it will switch back to the Main Input.

The Pro Guard + has a built in 2s Lipo Charger to maintain the Backup Battery voltage to 8.2v-8.4v at up to 1A current, so there is one less thing to worry about.

The Pro Guard + can also be integrated to most Tx Telemetry Modules to alert the Tx that it has switched over to the Aux Input and can then alert the user to land safely.