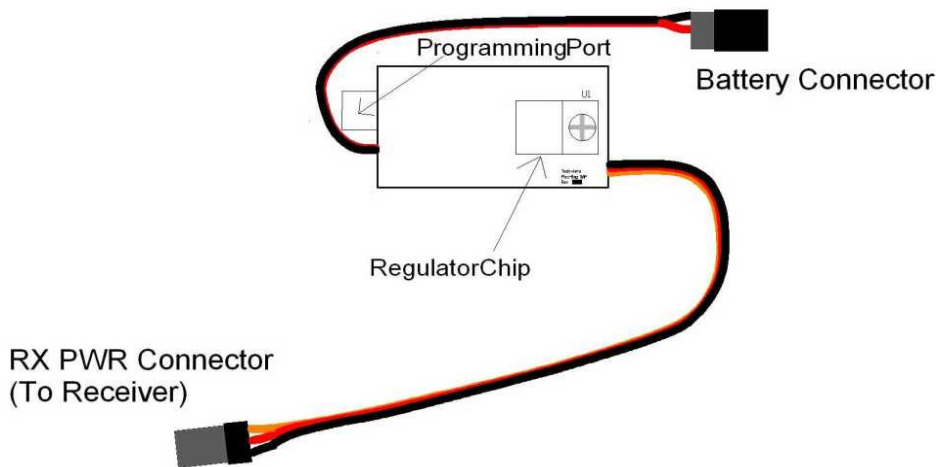


Tech - Aero Designs

“FlexReg” PLR5-E Quickstart Guide

Thank you for purchasing the Tech-Aero Designs FlexReg PLR5-E. The FlexReg has an up/down programmable output that stores any of 32 points over an adjustment range from 5.75 to 6.65 volts +/- 1% accuracy, providing fine control of the regulated voltage to the receiver and servos. The factory setting is 6.20V +/- .01V, which can be changed with the separately available E-Z Set programmer.

To install the PLR5-E, simply plug the RX PWR connector into the battery power connection on your receiver. The PLR5-E has no ON/OFF power switch, since it is designed to be used with electric powered model aircraft where the hatch is usually removed for each flight to connect or disconnect motor battery. During that same operation, many electric RC pilots prefer to do the same with the receiver and servo power system. Prior to each flight, plug the battery into the Battery connector to the flight pack battery. It is recommended that a plug keeper be used to assure that the connectors do not separate in flight.



Disconnect the PLR5-E after each flight to prevent the flight pack battery from discharging. The battery must also be disconnected prior to battery charging. Please follow all of the safety precautions and battery charging instructions for both the battery and the battery charger that you are using.

Mount the PLR5-E with the topside exposed to air in the model cabin (regulator chip visible). Use a piece of ¼" or thicker foam padding placed underneath and fasten with a Velcro strip around the mid-section. Do not over tighten the Velcro strip! Make it just snug enough to press the unit lightly into the foam padding beneath and also be sure that the strap does not cover up the body of the regulator chip.

A single FlexReg PLR5-E may be used in typical model airplanes up to about 84" wingspan, weighing less than 15 lbs and utilizing 6 or fewer digital servos. For models of this size with unusually large control surfaces (3D capable) or for models up to about 105" and 25 lbs weight, a 2nd PLR5-E is required to handle the additional load. A 2nd PLR5-E is also required if more than 6 high torque (more than 120 oz-in) servos are used. For more advanced user requirements, a full technical manual is available at the Tech_Aero website at <http://www.tech-aero.net>.