



Voltage Regulator

VR6010 6.0v - VR5410 5.4v



Universal connectors for: **Futaba, HiTec, JR, and Airtronics Z**

- User friendly design
- Very easy to install
- Protects equipment from over voltage
- Provides steady regulated power
- Weight: .6oz
- Current: Up to 10Amp.

5 - cell Rx packs offer many advantages. It allows servos to turn faster with more torque. More importantly, it offers extra safety margin. When a cell in the Rx pack goes bad, you still have four cells to operate the radio system safely. Most servos and receivers are designed to operate with four alkaline batteries, i.e., 6 volt. However, the voltage of a freshly charged 5 - cell pack can be as high as 7 volts. As a result, it could cause jittering or permanent damage to servos and receivers. The 6.0 or 5.4 Volt Regulator provides a turn-key solution for this situation.

When input voltage is higher than 6v / 5.4v, the output is regulated to 6v / 5.4v to stabilized the circuitry.

When input voltage is less than 6v / 5.4v the regulator is bypassed to provide the highest voltage available to the receiver and servos.

How to choose? Use VR6010 for maximum servo speed and torque. Use VR5410 for some equipment that is not rated for 6.0v like certain servos and gyros. It is very easy to install this regulator, simply plug it in between switch harness and receiver. That's it! If you plug it between Rx pack and switch harness, it will work to. Except, you won't be able to charge your Rx pack from the charging plug and it will drain the Rx battery slowly

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Operation

The regulator is rated for 10 watts of power dissipation. This means the current capacity decreases as the voltage increases. Please follow the chart below for current capacity.

(Chart here)

LIFETIME WARRANTY

The 'Mini-Lites' is warranted to be free from defects in material and workmanship for the lifetime of the original purchaser. If this product becomes defective, return it along with \$5.00 for shipping & handling to Electrotek R/C and it will be repaired or replaced at no additional charge for material or labor. Electrotek R/C is not responsible for damages or injuries that may result from exceeding the products intended purpose. In the event this product becomes defective from misuse or the abuse of its intended application for R/C models, this warranty shall become null and void.

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