



## Real-P Li-battery Regular with Protection

**Feature** : Real-P is suitable for 2S or 3S Li-battery to regulate to adjustable 4V~6.5V Receiver power, with settable **Low-Voltage and output voltage drop function**, that can warn users and prevent Li-battery over discharge. Easy to setup with single button and suitable for high torque servos.

**Operation Voltage** : DC 5.5V~12.6V (2~3 cells Li-Ion or Li-Poly batteries)

**Maximum output current** : 6 Amps.

**Operation Mode LED function** :

- ※Green LED flashes (ON 0.1S/OFF 0.9S) : Power ON display, normal operation.
- ※Orange LED always ON : Input voltage over 13V, please make sure battery pack is correct.
- ※Red LED flashes (ON 0.1S/OFF 0.9S) : Input voltage drops to setup value, turn output to 3.8V.

**Low-Voltage Setup Mode LED function** : (Flash is ON 0.5S/OFF 0.5S)

- ※Red LED always ON : Do not set Low-Voltage, users take care of battery discharge.
- ※Red LED flashes : Low-Voltage is 5.5V, suitable for 2S battery with higher torque servos.
- ※Orange LED flashes : Low-Voltage is 6.0V, suitable for 2S battery with normal torque servos.
- ※Red and Green alternately flashes : Low-Voltage is 8.3V, suitable for 3S battery with higher torque servos.
- ※Green LED flashes : Low-Voltage is 9.0V, suitable for 3S battery with normal torque servos.

**Installation** : Connect Real-P Regular between receiver and battery, and fix with double side foam tape. Please keep as far as possible away from Receiver antenna.

**Setup** :

1. Turn Receiver power to ON. (The LED on Real-P will flash green if battery voltage is higher than setup value, otherwise LED flashes red.)
2. Push setup button on Real-P until LED light up again, that means Real-P enters setup mode.
3. Clip the setup button can change setup value between 5 selections, please refer “**Low-Voltage Setup Mode LED function**” to select suitable value.
4. Setup mode will auto save and leave after 10 seconds without pushing button.

**Announcements** :

1. Real-P will turn output to 3.8V when battery voltage drops to setup value, users can find out the power drop easily. Please stall the engine or hold model immediately. Users can select **TWRC mini Fail-Safe** to lock throttle servo when that happens.
2. Real-P consumes a little battery power, users can connect a power switch between battery and Real-P. Any time do not use receiver, please disconnect battery pack or turn power switch OFF.
3. Real-P output voltage default is 6.0V, no need to adjust for normal use.
4. To adjust Real-P output voltage please plug 2mm flat blade screwdriver into ADJ hole, rotate the internal variable resistor. The turning angle is 270 degrees and two stops at the ends. Always remove load before adjusting and use high precision voltage meter to monitor output voltage.