LiPo-Blitzer V2.5

Voltage-controll for 5 & 6 LiPolys

Thank you for purchasing this tension announcement device.

The **LiPo-Blitzer** is for preventing an low-level-discharging of expensive LiPolys (lithium polymer cells). This is done by LED, displaying three different states (off / flashing / on). Whenever the average charge per cell drops below 3.5V, the LED starts flashing. An average charge below 3.25V will result the LED to light continuously. This helps the pilot preventing low-level-discharging the expensive LiPolys (and the air model). Since LiPolys do not like a voltage dropping below 3.0V per cell voltages below 2.5V per cell will permanently damage the LiPolys.

This tension control is suitable for LiPoly-Packages holding 5 or 6 cells (receiver and slow-flyer). When connecting the **LiPo-Blitzer** to a Cell-Package, it can be easily programmed by setting the Jumper.

Connection:

The **LiPo-Blitzer** can be used in two ways. You can either connect it directly to the consumer (for example after the swich) or connect it by a free canal at the receiver.
Attention: Be sure to use the correct polarity, since switching poles will destroy the **LiPo-Blitzer** (No Warranty because of misuse)
Plus is red, minus is black.

To avoid interferences:

It's required that there is a distance of 10cm min., better 15cm between the LiPo-Blitzer and other electronic devices (e.g. the receiver).

Support: LiPo@lipo-blitzer.de

Programming:

Programming is very easy.
1. Take off the Jumper
2. Attach the **LiPo-Blitzer** to the LiPolys.
3. The LED will start flashing. Two times first, 3 times, up to 7 times dispends on the voltage level. The Jumper need to be set when the appropriated voltage level is reached (indicated by the LED).

Done!

Setting up:

By detecting the current capacity (on disharge) of the LiPolys, the LiPo-Blitzer can be adjusted easily.
The best way to perform would be to start with the highest voltage level and then go forward to the lowest level that matches to the detected capacity.

Voltage data:

2 times: 5S: Blinking begins by 3,5V, permanent flash by 3,2V per cell
3 times: 5S: Blinking begins by 3,6V, permanent flash by 3,3V per cell
4 times: 5S: Blinking begins by 3,7V, permanent flash by 3,4V per cell
5 times: 6S: Blinking begins by 3,5V, permanent flash by 3,2V per cell
6 times: 6S: Blinking begins by 3,6V, permanent flash by 3,3V per cell
7 times: 6S: Blinking begins by 3,7V, permanent flash by 3,4V per cell

Properties:

Number of cells: 5 or 6 LiPolys
Permissible tension: 15V to 25,2V
Programmable: Yes

CAUTION:

Looking in the LED directly could cause damage to your eyesight.
Red 5mm LEDs have approx. 60.000 mcd
Red 10mm LEDs have approx. 60.000 mcd

www.lipo-blitzer.de