

Shread RC Smart LiPo **21.01.2010**

Introducing a new concept for your RX battery. Specially designed for ease of operation and to minimize weight for DHL gliders. A single LiPo cell contains a switch, voltage controller, charger and low battery alarm.

Shread RC smart lipo is 1 cell LiPo battery with inverter out putting 5V at 1.0A (continuous) 1.5 A (10 seconds),
Controller has JR connector for receiver, connector with plug and beeper.

Switch on and alarm control:

When you take the shorting plug off controller will switch on after 1-2 seconds. Beeper will inform you about available battery voltage.

Information will be in following format:

Beeps by low tone from 0 to 7 beeps followed by 2 short-high tone beeps.

Your battery Voltage = 3.4 B + (how many low tone beeps)*0.1B

If you hear 7 low tone beeps, it is at max voltage - 4.1V.

If you do not hear any low tone beep – the battery is NOT CHARGED and you can't fly - you must first charge the battery.

Except starting measurement battery voltage are still real-time monitoring: In a normal mode. When controller is switched on it will beep with low tone each 6-8s. If battery-working voltage falls below 3,5B it begins beep trills and twice more often.

Should voltage fall below 2.85B, controller will be disconnected. This is a safety feature for LiPo in a case if have forgotten to switch off a battery.

Charge:

For charging battery you need connect controllers 2 pins with plug connector to any Direct Current source with 4,5 -18 V. It may be cell phone AC adapter, USB, car battery and other DC sources. . Plug polarity is notated on controller. The charge will be started automatically and a red LED will glow.

A green LED comes on when charging is finished. When disconnecting charging lead, you will hear the same beep tones as when you first switch on. Ie, the 7 low tones plus 2 short high tones.

Switch off battery:

Put shorting plug back on controllers 2 pins.