

# en/LipoSaver

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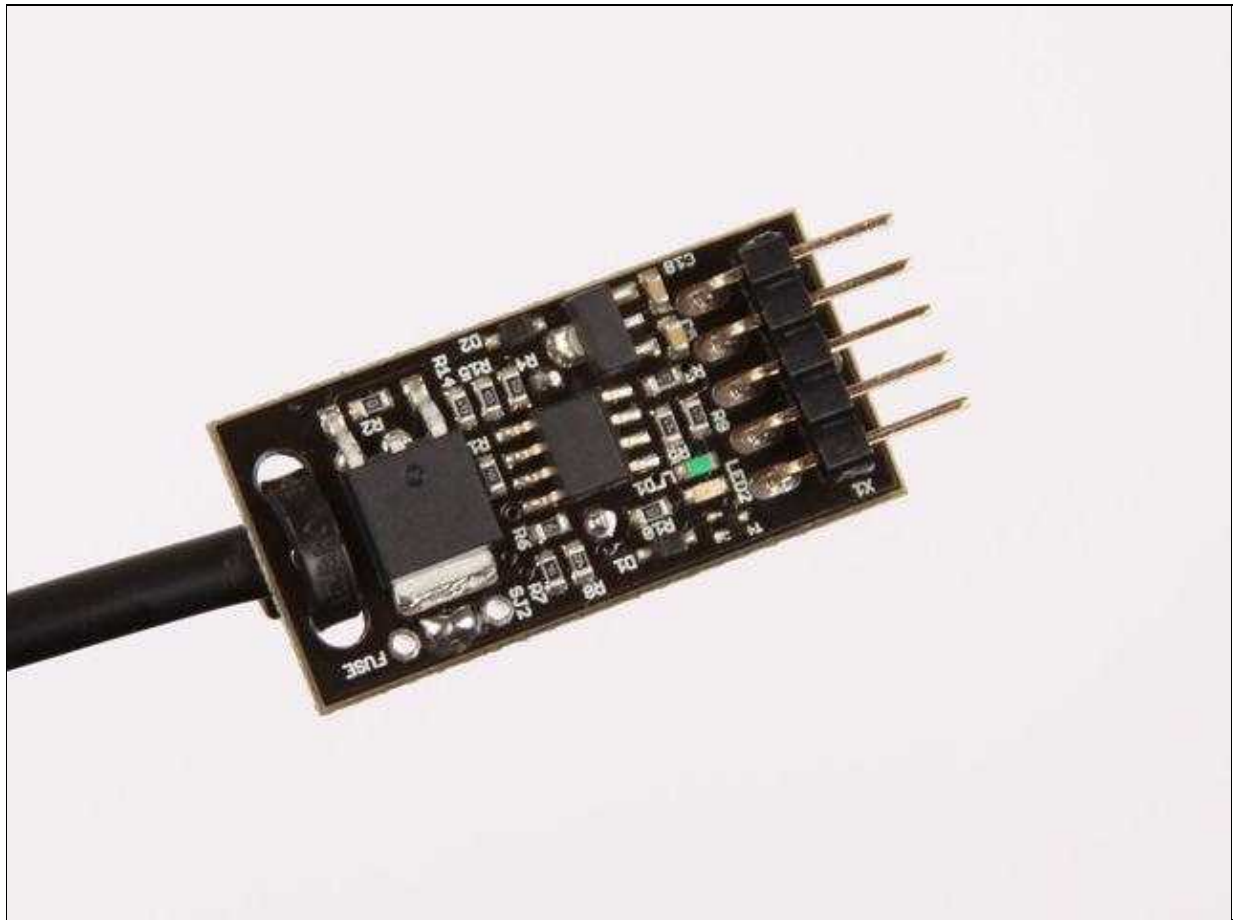
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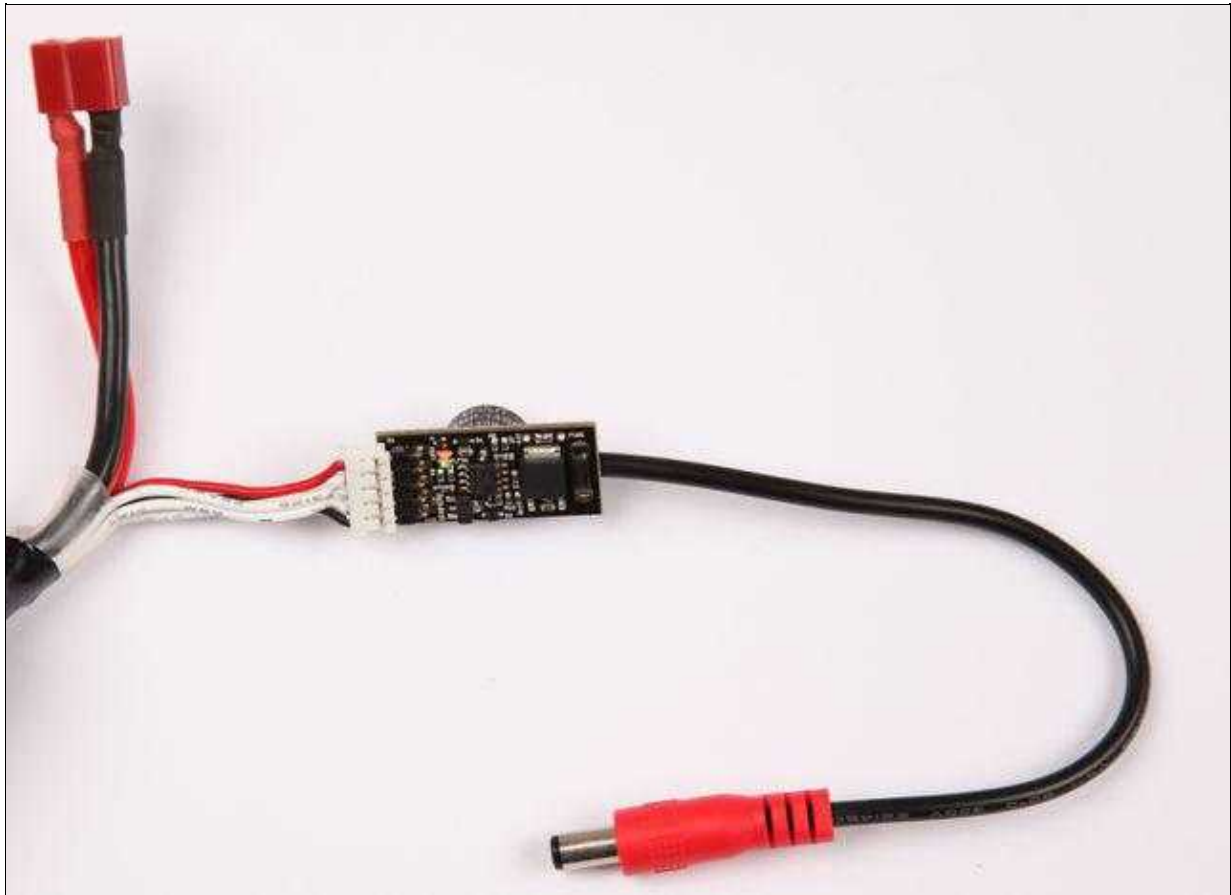
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# 1 LipoSaver

Buy here: [Shop](#)





If you want to use a Lipo to supply a device like a Monitor, the problem is, that a undervoltage-Warning is missing.

And if you forget to disconnect the Lipo, the Lipo gets totally discharged and would be damaged.

The [LipoSaver](#):

- Warns you at a low voltage level
- Switches off the power
- Simply connects your Lipo on the balancer-Connector

**⚠ Attention:** Please note the polarity of the balancer connector (black is negative). If the polarity is reversed, the [LiPoSaver](#) itself gets not damaged. However, then comes out the wrong polarity on the output and could (possibly) damage the connected device.

## 1.1 Voltage levels

Use on 4-cell-Lipo (4S)

- Warning: Voltage below 13,5V
- Switching off: Voltage below 12,5V
- Switching on: Voltage above 14,9V

Use on 3-cell-Lipo (3S)

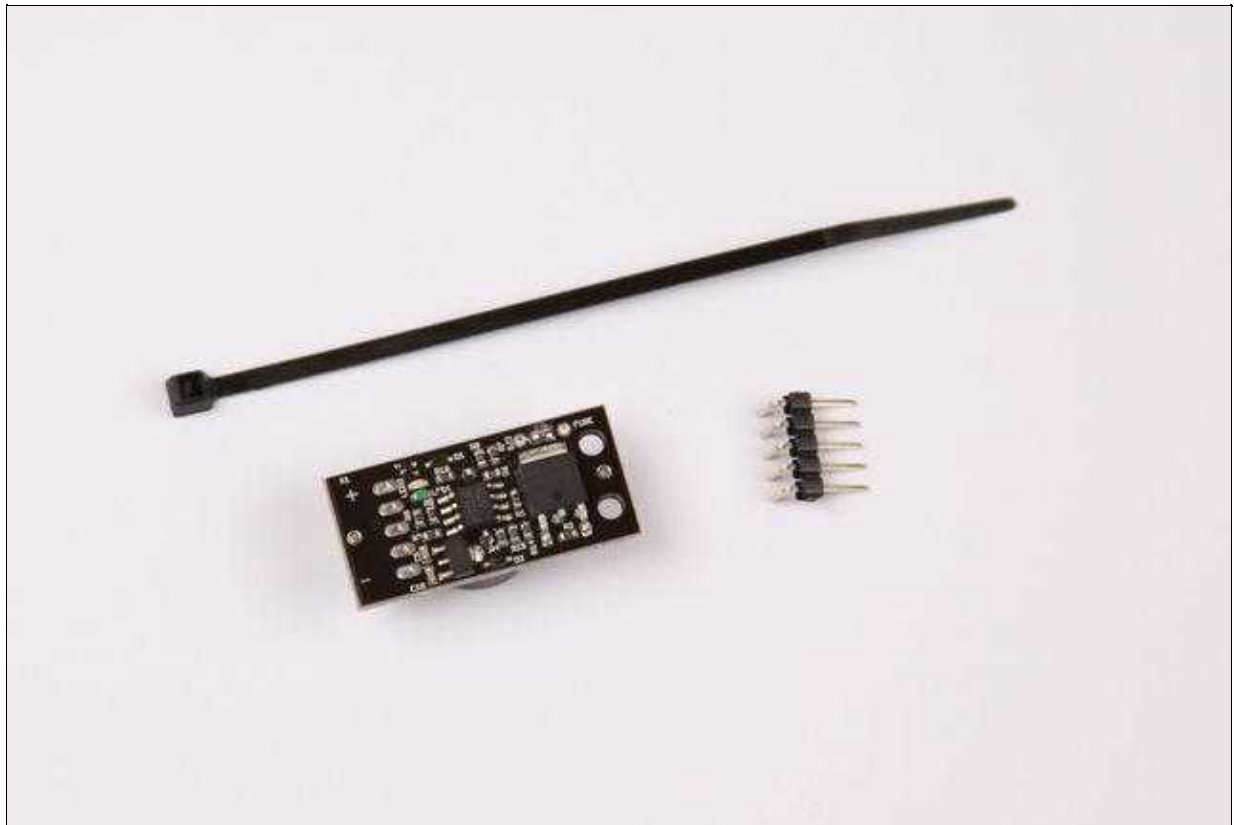
- Warning: Voltage below 10,5V
- Switching off: Voltage below 9,4V
- Switching on: Voltage above 11,8V

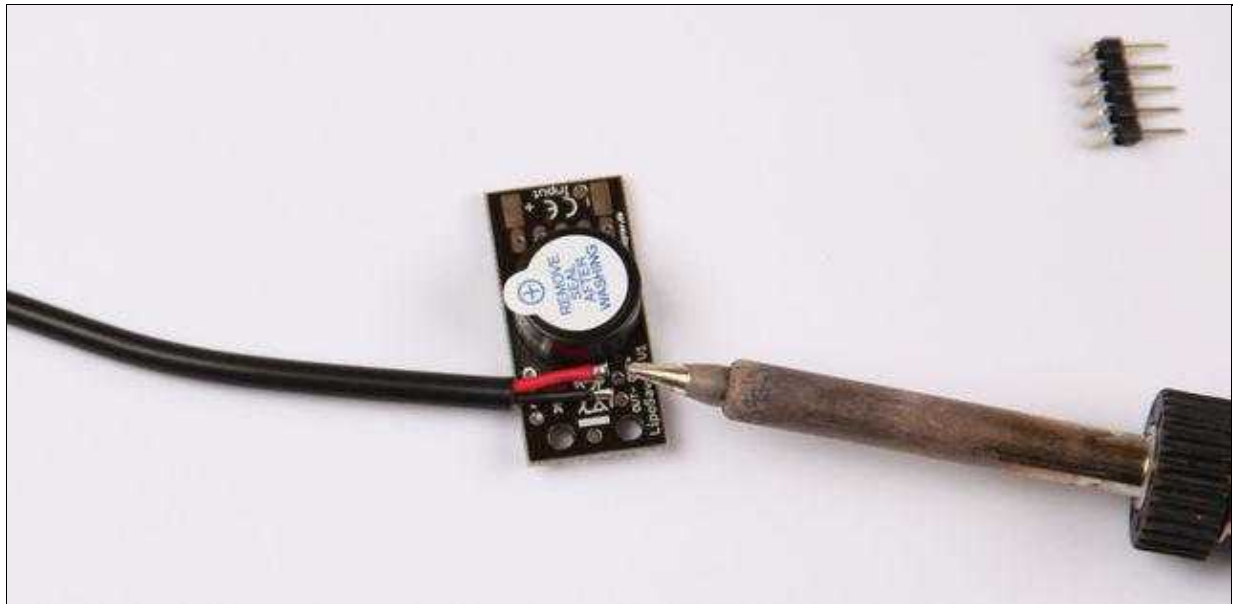
The [LipoSaver](#) has a certain hysteresis (switch off below 12,5V, but switch on above 14,9V). That avoids that you start with an empty Lipo.

Also: the voltage of the Lipo recovers when the load is missing. The hysteresis avoids that the LipoSaver switches on again after a few minutes.

⚠ Please disconnect the LipoSaver from the Lipo to prevent totally discharge of the Lipo. The Lipo-Saver itself takes about 3mA, that would discharge your Lipo about 0,1Ah per day

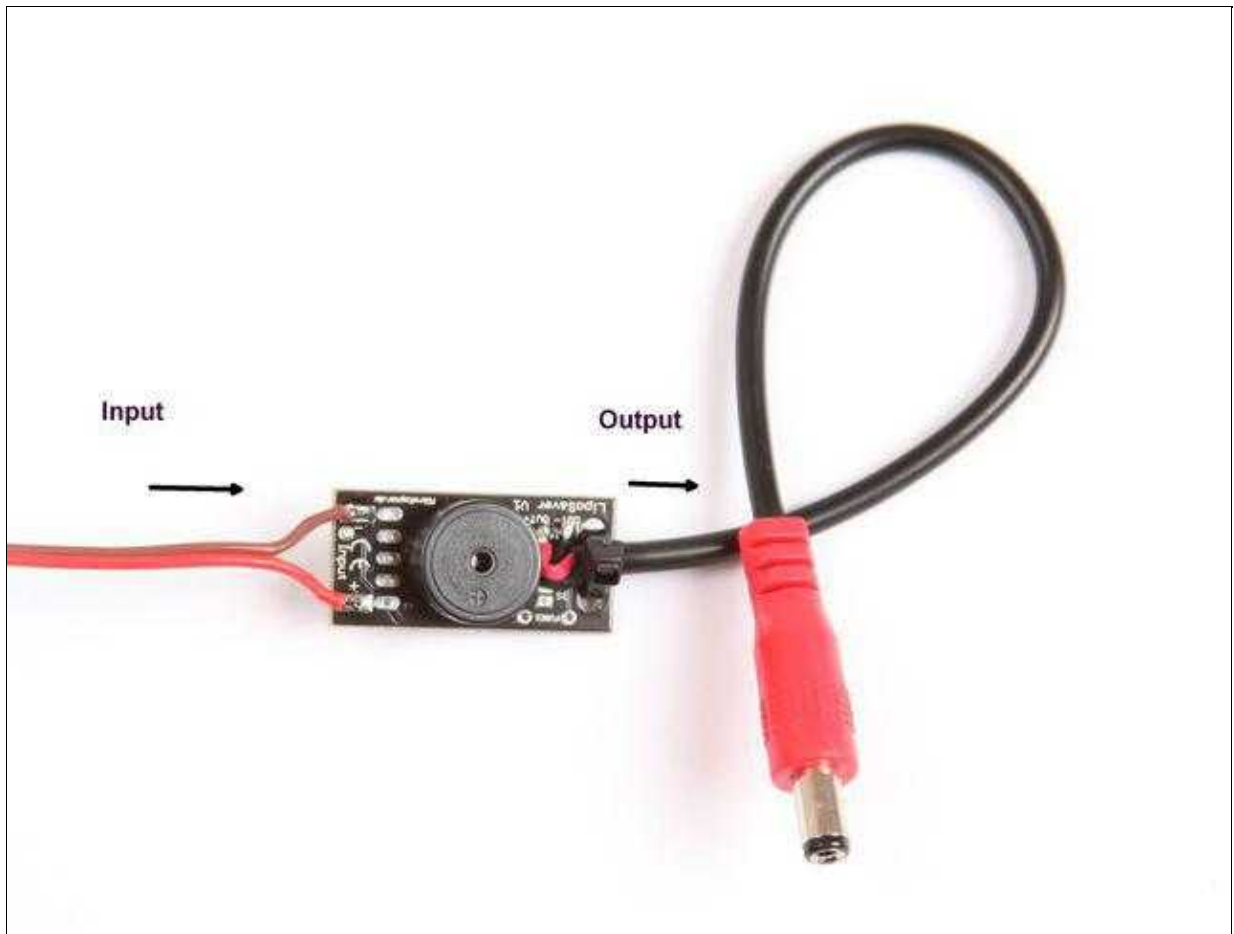
## 1.2 Assembling





- Solder the output cable
- Attach the cable with the cable tight
- Solder the angled pin-row

## 2 Use without balancer-connection



### 3 Use on 3S

For using on 3s the following changes are required:

- Use only 4-pins row
- Solder the Jumper "3s"

