



7.2V 2.5A UBEC User Manual

UBEC is a device designed to provide switch mode voltage step down operation to power up the model on-board RC receiver and servo systems. It is capable to regulate an up-to 23V voltage source, down to a stable 7.2V voltage output with maximum of 2.5A current continuously. It can be used in small to medium size electric powered RC helicopter and aero-plane models, as well as gas powered model and robotic applications, when there is 7.2V voltage source needed, with greatly improved efficiency compare to the traditional battery elimination circuit.

1. Specifications :

- Input: 6V-23V (2-5S Li-Po Battery Pack, 2-6S Li-Fe Battery Pack or 5-15S Ni-CD/Ni-MH Battery Pack)
- Output: 7.2V/2.5A (Less than 50mV peak to peak voltage @ 2A)
- Dimension: 22.9mm*20.3mm*7.6mm (L*W*H)
- Weight: 5g (w/o wires) or 7.1g (wires included)

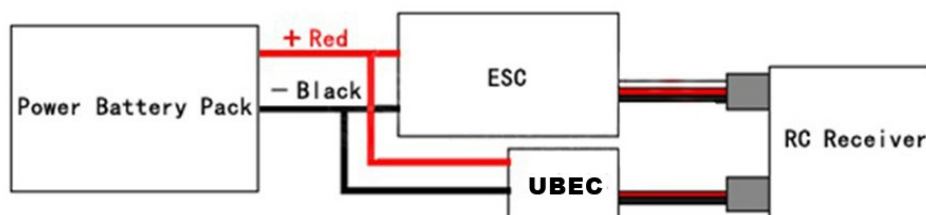
2. Features :

- Small and lightweight
- High efficient switch mode design with negligible heat dissipation compare to the linear voltage regulation mode
- The PCB shielded design and output EMF coil makes the stable and low noise voltage output possible
- The built-in Input voltage reverse protection prevents any damage to the 7.2V 2.5A UBEC in a reverse input voltage connection

3. Connection Guide :

3.1 Non-BEC Built-in ESC connections:

Simply parallel the 2.5A UBEC input wires with the ESC power input, or direct connect the 2.5A UBEC input to a battery pack. Plug the 2.5A UBEC output wire to any spare channel of the RC receiver.



3.2 BEC Built-in ESC connections

same as the 3.1, except the centre pin (the ESC built-in BEC 7.2V output, normally in red) of the ESC signal wire has to be disconnected or cut.

