

# AEO Adjustable UBEC documentation

AEO UBEC is the device can be used for voltage reduction, voltage stabilization and supply power. We suggest it works with the higher input voltage at least 1V more than it's output voltage. It can obtain the appropriate DC voltage for receivers and other device from 7.2V-21V, and last to provide stable output current, and it's easy to supply power for receivers, GYROs and servos. As the result, it's suitable for micro and middle class helicopters and airplanes that use high voltage and multiple servos. In addition, this product is applicable to other situations that need power supply, including various oil dynamic model and robot applications. The UBEC can be changed different output volt according to different requires(5.0V,6V,7.2V).

## The upgrades of new UBEC Pro series

Lower resistance ( only 18 m $\Omega$  ), the power consume is cut down.  
Output waveform is better. Almost no interference to the equipments.  
Using the new module output current, output current is larger and more stable.  
High efficiency switch step-down chip, conversion efficiency is over 90%.

## Adjustable UBEC voltage regulating methods

hold the UBEC as the above picture , insert the bolt in to the pin .  
The output voltage of 5 v without bolt.  
The output voltage is 6 v when making the bolt connect the left two pins.  
The output voltage is 7.2 v when making the bolt connect the right two pins.

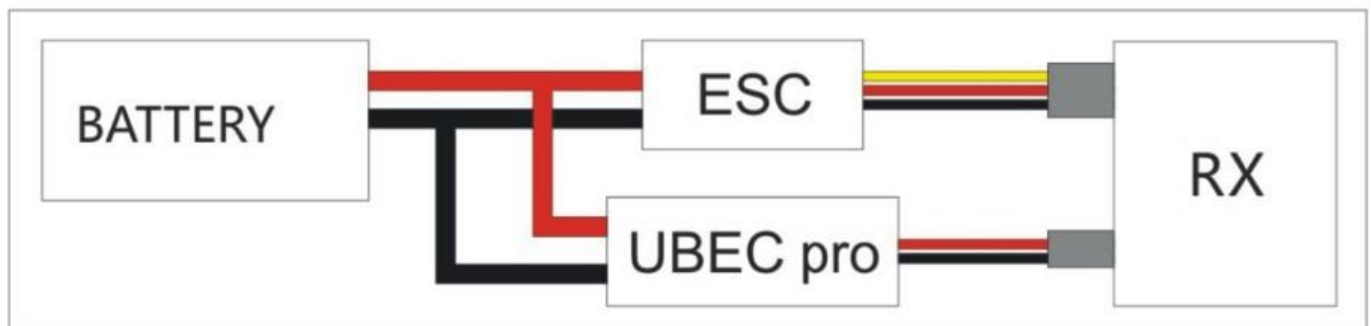
## Specification

- Input: 7.2V-21V (2-5 cells Li-pos、 2-6 cells Li-Fe or 5-15 cells NI-MH/Ni-Cd
- Output: 5.0V,6.0V,7.2V / 5A
- Weight: 11-12g



## Application

Connection for the ESC has no BEC:  
No need to set the ESC, and just need to make the input port and the battery in parallel , insert the output port to the receiver.



Connection for the ESC has BEC.  
Interrupt the BEC from ESC, need to interrupt the red wire that between ESC and receiver. Then operate same as the above step.

