In "Governor Store" mode, if it needs to re-standardize the target RPM, pilots must modify and save the flight mode as any option except "Heli Governor Store" first (without restarting the ESC at this after powered off); while in "Governor (Elf)" mode, data of the nominal target rev are saved into the RAM of the microprocessor (and the data will disappear after powered off).

As the start point is only 5% of the full throttle, the motor rotates slowly that greatly reduces psychological pressure for beginners, so pilots can select this mode for basic practices like Restart Time to "OFF".

When used as "NiMH battery", then the low / middle / high cutoff voltage is 50% / 62.5% / 75% of the initial input voltage (at boot/starting up). For example, when using a 6-cell NiMH battery pack, the voltage at starting up is 1.44×6=8.64V; and if set the cutoff threshold as "low", the cutoff threshold of this battery pack should be 8.64×50%=4.3V.

When set as "LiPo battery", the ESC will automatically calculate the cutoff threshold of the battery pack according to the amount of LiPo cells. The low / middle / high cutoff voltage per cell is 2.85V / 3.15V / 3.45V.

The parameter is valid only when the battery pack is LiPo. After powered on, the ESC will make the motor beep the amount of cells in your LiPo pack according to auto-detection or cell count manually set.

To ensure the ESC fits well with the throttle range on your transmitter, you need to reset the throttle range when using this ESC for the first time or changed another transmitter for the optimum throttle range. In PPM throttle signals, only signal cycle & high level time impact; changes of the high level time correspond to the notion of throttle value (0%~100%), here whether the low level time changes or not is not taken into consideration.

The 3-pin port (marked with - + P) is an independent port for parameter setting; the thin Orange wire is for RPM signal output; the thin Black wire is the output port of the ESC running status data. 2 pins corresponding to "+" & "-" in the program port are used to make any parameters adjustment (please refer to "Parameter Setting" for detail).

In "Heli Governor Store" mode, the ESC can automatically adjust the pitch of the main rotor blades with the throttle input. After the throttle value switches to over 40% from 0%, the motor starts in a rotation of propellers or rotor blades.

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Attention: The ESC can make the real-time data monitoring and logging possible. Hence, there are 2 Black wires & 2 Red wires are connected in parallel to the output end of the BEC to make the module, it can make the real-time data monitoring and logging possible.

The tricolor (WRB) cable here is the throttle cable.