

ENERGY ROTOR OPERATION MANUAL

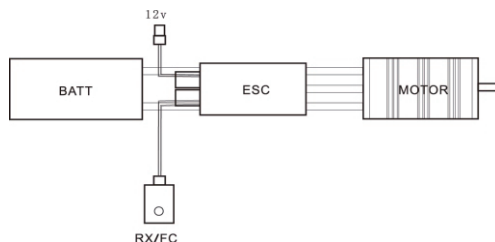
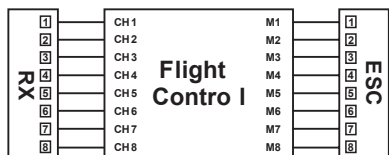
Introduction:

Thank you for purchasing Hitec's latest release in brushless electronic speed control! The Energy Rotor Line of ESCs for Multirotors comes flashed with flyer-favorite BLHeli firmware and uses ONESHOT to achieve the fastest in Flight Controller-ESC response. Supported with other quality-enhancing features, Hitec's Energy Rotor Line brings smooth flight to new heights.

Connecting Your ESC:

1. Using motor wires, connect your controller to your ESC.
2. Solder the appropriate connectors to the battery wires.
3. Insulate all solder connectors with heat shrink tubes.
4. Connect the ESC signal cable according to your own flight control instructions.

Note: The red and black wires from the ESC should connect to the red and black wires of the battery pack respectively.



Features:

- Uses new generation of MOSFETs to absorb heat during operation.
- Supports high RPM motors and is compatible with most motors on the market.
- Flashed with BLHeli firmware.
- Pre-set with ONESHOT to sync communication with your flight controller.
- Smooth and accurate throttle linearity.
- Faster refresh rate, up to 600Hz.

Throttle Calibration:

Before using your ESC for the first time, we recommend calibrating the throttle end point of your radio system to improve throttle responsiveness. The follow steps guide you through the calibration process:

1. Power on your radio and push your throttle stick to 100% (FIG. 1)
2. Connect the battery to your ESC. The motor confirms the end point after three seconds by sounding an indicator.
3. Pull the throttle stick back to 0%. The motor will sound several beeps to confirm the lowest end point. (FIG. 2)
4. Throttle calibration is complete.



FIG. 1



FIG. 2

Type	Part #	Cont./Burst Current (A)	Batt. Cell NXXLipo	Weight (oz)	(g)	Size (mm)	(in.)
Rotor 12A	61071	12A \ 20A	5-12NC\2-4Lipo	0.28	8	15x26x6	0.59x1.02x0.24
Rotor 18A	61082	18A \ 30A	5-12NC\2-4Lipo	0.19	5.3	12x22x4.3	0.47x0.87x0.17
Rotor 20A	61072	20A \ 30A	5-18NC\2-6Lipo	0.81	23	20x47x8	0.79x1.85x0.31
Rotor 30A	61073	30A \ 40A	5-18NC\2-6Lipo	0.71	20	20x47x8	0.79x1.85x0.31
Rotor 40A	61074	40A \ 50A	5-18NC\2-6Lipo	1.09	31	20x47x10	0.79x1.85x0.39
Rotor 60A	61094	60A \ 70A	5-18NC\2-6Lipo	1.76	50	30x55x13	1.18x2.17x0.51

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2. Fill out the service request form completely and include a copy of your original receipt showing the purchase date.
3. Package your product in its original packaging or use a suspension-type packaging (foam peanuts or crumpled newspaper). Hitec RCD shall not be responsible for goods damaged in transit.
4. Ship prepaid (COD or postage-due returns will not be accepted) via a traceable common courier (UPS, insured parcel post, FedEx, etc.) to: Hitec RCD USA, Inc., Customer Service Center, 12115 Paine St., Poway CA 92064

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