

MAD BLHeli-32 70A ESC

MAD
COMPONENTS

2~8S (V1.0)

⚠ Disclaimer

Thank you for select this product. Please carefully read this manual before using this part. Using this part will indicate you agree with all the items in this manual. Please strictly follow these items for usage. We'll not commit any responsibility including but not limited to indirect loss or joint responsibility caused by improper usage, private modification and other faults. The maximum compensation will be not more than this part cost.

⚠ Attention

This part has strong power. High speed running propellers have certain safety risk. User must be older than 18 years and have relative professional knowledge. Before usage, please carefully check if all the components are in good conditions.

High-performance hardware

1. Using STM32G071, A 32-bit high-performance processor dedicated to brushless motors, with a running frequency of up to 64M;
2. Onboard 11 PCS TDK 22uF 35V Low ESR capacitors, with a total capacity of 240uF, low power ripple and high reliability;
3. Imported Infineon aerospace-grade gold seal MOS, <1mR internal resistance, greater overcurrent capability and heat dissipation capability;
4. This new MOSFET package is called DirectFET
5. The PCB adopts 8 layers of 4*4+4*30Z copper thickness, with a total thickness of 280Z, TG-180 board, with strong heat resistance and overcurrent capability;
6. Support return voltage and current data to flight controller;
7. Onboard colorful RGB LED, customized personalized color

Firmware

- Support Dshot150/300/600/1200/MultiShot/OneShot/PWM drive signals
- Support adjustment of ESC parameters by flight control (support BetaFlight 3.20 or above)
- Hardware PWM drive, precise control, strong anti-interference ability
- Damped Light technology. regenerative braking function, makes motor deceleration more sensitive and effective, more accurate control

ESC Parameter

Battery : 2-8S

Model: AMPX 70A

Processor: STM32G071

Weight: 7.1g

Recommended Battery: 12S

Protection: available

Drive Signal Support: Dshot150-1 200/MultiShot/OneShot/PWM

Download website: https://github.com/bitdump/BLHeli/tree/master/BLHeli_32%20ARM

Size(L*W*H): 31*16*5mm

Current Sensor: Support

Telemetry Passback: Support

Continuous Current: 70A (under good cooling conditions)

Instant Current: 110A (10S. under good cooling conditions)

Firmware version: BLHeli 32.X

Input voltage: 2-6s LiPo (2-8s LiPo Disable Damp)