



Original Third-generation
BLHeli Firmware

High Performance Hardware & Original Third-generation BLHeli_32 Firmware

The use of high-performance 32-bit ARM microprocessor (which runs at 48MHz), imported high quality MOSFETs (Fairchild) & ceramic capacitors, 3-in-1 drive ICs, 3-ounce copper, 4 layers of PCBs, and the third-generation BLHeli (BLHeli_32 firmware) creates an ESC with more functions & better performance specially for FPV drones.



XRotor Micro 30A BLHeli_32 DShot1200



XRotor Micro 40A BLHeli_32 DShot1200

DShot150/300/600/1200, Regular PWM, Oneshot42/125 & Multishot Supported

Besides the regular PWM (1~2ms) mode,
Oneshot125 (125~250 μ s)/Oneshot42
(41.7~83.3 μ s)/ Multishot (5~25 μ s) modes, the
DShot150/300/600/1200 modes are also supported.



DShot1200
Supported



Multiple Programmable Items

The original BLHeli_32 firmware allows users to connect four ESCs to the FC flashed with the Cleanflight/Betaflight firmware via signal cables (on the ESCs) to set general parameters of the ESCs simultaneously, upgrade the firmware or adjust advanced parameters online at the same time.



Multiple Programmable Items



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LED Indicator (only the XRotor 40A BLHeli_32 has it) & Beacon Functionality

The light color of the LED indicator on the ESC is adjustable.

The Beacon functionality, which will drive the motor to beep if the throttle signal has been zero for a given time, effectively helps finding lost crafts.



LED Indicator



Hardware Generated PWM & Damped Light Mode

The ESC firmware uses hardware generated motor PWM for smooth throttle response and silent operation. Damped light does regenerative braking, causing very fast motor retardation, and it inherently also does active freewheeling.



Hardware Generated PWM &
Damped Light Mode

Multiple Protections

Multiple protection functions like motor lock-up protection, temperature protection, low RPM power protection, low-voltage protection and current protection effectively prolong the service life of the ESC.



Multiple Protections









