

## Manual for XM series Brushless Motor Electronic Speed Control

Thanks for purchasing our Electronic Speed Controller (ESC). The brushless system with high power for RC model can be very dangerous, so we strongly suggest you read this manual carefully. Any claims arising from the operating, failure or malfunctioning etc. will be denied. We assume no liability for personal injury, property damage or consequential damages resulting from our product or our workmanship. As far as is legally permitted, the obligation to compensation is limited to the invoice amount of the affected product. At the same time, We do not assume any liability arising from modifications due to unauthorized product. We reserve the right to change without notice about product design, appearance, performance and operational requirements.

### Specification:

- ◆ Signal frequency: 20-500Hz/ Oneshot125 Ultra high speed
- ◆ Firmware: BLHeli

Model	Continuous current	Instant current	BEC	Battery	Weight	Size
XM10A	10A	13A	NO	2-3S	4.5g	23*12*4.5mm
XM20A	20A	22A	NO	3-4S	5.8g	24*14*4.5mm
XML20A	20A	22A	NO	3-4S	6.8g	48*8.5*4.0mm
XM30A	30A	35A	NO	3-6S	11.5g	45*16.5*5.8mm

### Feature:

- ◆ XM series esc is the upgraded version from SN series with advanced processor, the basic frequency up to 50MHz and processing capacity is faster to support high KV motor.
- ◆ Specially for Multi-copter, throttle respond fast;
- ◆ Suit for throttle, which can compatible well with motor;
- ◆ Throttle signal is twisted pair cable, reduce the signal crosstalk effectively while transmission in the copper wire to flight more stable;
- ◆ New miniaturization and ultra-low resistance MOSFET, powerful flow resistance, and professional MOS Drive chips to improve efficiency. PCB board processed with special thickness treatment, low resistance and calorific value, higher impact resistance.
- ◆ Subminiaturization design, 10/20A with high performance filtering capacitor on the board to reduce the weight. Long bar XML20A is designed for the frame with arm tube, suit for the  $\Phi 10$ mm tube to make it more neat.
- ◆ Support refresh rate of throttle signal maximum up to 500Hz, compatible with all flight controls; Support ultra-high speed Oneshot125 and 3000Hz high refresh rate, fast response, better throttle liner and smooth shooting to be the first choice for multicopter and racing frame.
- ◆ Throttle lever travel and other settings are available to be set by USB linker; Support two-way mode and 3D mode for racing frame.