

XEON RUN SERIES ESC MANUAL

For FPV Multirotor

■ Thank you for purchasing Xeon Run series ESC, please read the instruction manual and warnings carefully. Any claims arising from operating, failure or malfunctioning etc will be denied. We assume no liability for personal injury, property damage or consequential damages resulting from this product or our workmanship. We do not assume any liability arising from modification due to unauthorized product. We reserve the right to change without notice about product design, appearance, performance and operational requirements.

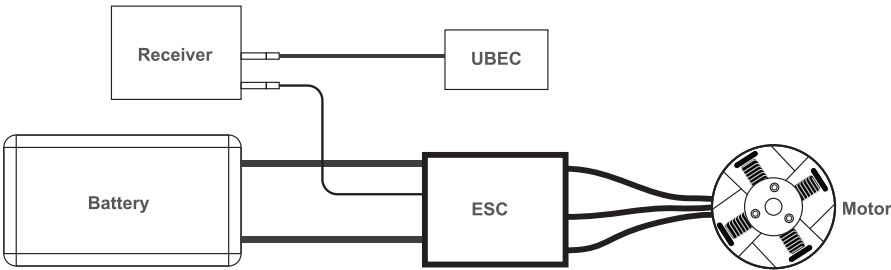
SPECIFICATION

Item No.	Cont Current	Peak Current	Input Voltage	BEC Output	Dimension	Weight
XR-4A	4A	6A	1S Lipo	N/A	13*10*5mm	0.5g
XR-7A	7A	9A	1-2S Lipo		25*12*4mm	3.2g
XR-13A	13A	15A	2-4S Lipo		26*13*4mm	4.5g
XR-20A	20A	25A	2-4S Lipo		26*13*4mm	4.5g
XR-30AL	30A	35A	2-4S Lipo		26*13*4mm	4.5g
XR-30A	30A	40A	3-6S Lipo		35*16*6mm	9g
XR-40A	40A	50A	3-6S Lipo		50*17*7mm	16g

FEATURE

- Comes with BLHeli_S firmware, easy to upgrade or flash via the esc signal cable. If use with CleanFlight or BetaFlight flight controller, connect the flight controller to BLHeliSuite software directly to set 4pcs ESCs simultaneously.
- Support to use Dshot60A/300/150, PWM throttle signal mode (1000μs-2000μs), Onshot125 (125-250μs), Oneshot42 (42-84μs) and Multishot (5-25μs).
- Hardware PWM drive motor, low voice, smooth throttle response. Damped light enabled to make it more sensitive and effective while reduce the motor speed.
- Compact size and light weight, especially designed for competition FPV drones.
- High quality component, super fast running speed. EMF8BB21F16G MCU (the operating frequency of up to 48MHz), 3-in-1 drive IC, import ceramic capacitor, 3 ounce copper and 4 layers PCB to increase efficiency and enjoy the real-time flight.
- Suitable for Multirotor, fast throttle response. Easy and simple to operate with default settings. Twisted-pair for throttle signal cable to reduce signal interference and make it fly more stable. Compatible with various flight control systems. Miniature MOSFET with extra-low resistance and optimized driver brings amazing current shock withstanding capacity.

WIRING DIAGRAM



OTHERS

- Please use AGFRC USB Linker "BL USBLINK" to program the ESC parameters or upgrade the firmware.
- BLHeli Official Website: <https://github.com/bitdump/BLHeli>
- BLHeliSuite download: <https://www.mediafire.com/folder/dx6kfaasyo24l/BLHeliSuite>
- Any questions or problems, please contact with us by support@agfrc.com

奥广飞致强系列电调说明书

穿越机专用

■ 感谢您购买本产品！无刷动力系统功率强大，错误的使用可能导致人身伤害和设备损坏，为此我们强烈建议您在设备使用前仔细阅读本说明书，并严格遵守规定的操作程序。我们不承担因使用本产品或擅自对产品进行改造所引起的任何责任，包括但不限于对附带损失或间接损失的赔偿责任。

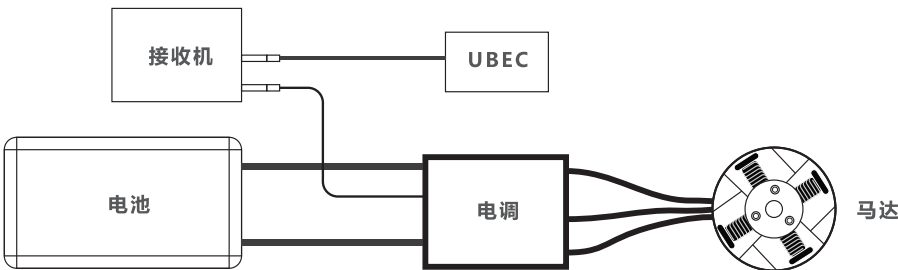
XR 系列 BLHeli_s 电调

型号	持续电流	瞬时电流	输入电压	BEC	尺寸	重量
XR-4A	4A	6A	1S Lipo	N/A	13*10*5mm	0.5g
XR-7A	7A	9A	1-2S Lipo		25*12*4mm	3.2g
XR-13A	13A	15A	2-4S Lipo		26*13*4mm	4.5g
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XR-40A	40A	50A	3-6S Lipo		50*17*7mm	16g

特点

- 全面支持 BLHeli-S 固件，可通过信号线轻松在线升级，刷新更简单。如使用 Cleanflight 或者 Betaflight 固件的飞控，可直接使用飞控连接 BLHeli 调参软件，一次性轻松设置 4 个电调参数。
- 电调可支持最新 Dshot150/300/600 油门模式，同时也可支持普通，PWM 油门信号模式 (1000μs-2000μs)，Oneshot125(125-250μs)，Oneshot42(42-84μs) 及 Multishot (5-25μs) 超高速油门信号。
- 硬件 PWM 驱动马达，噪音小，油门响应更加平滑。Damped Light 模式，再生制动功能，使电机减速更加灵敏有效，控制更加精准；主动续流技术，让电池回收电量，延长续航时间；
- 非常小的尺寸和重量，专为竞赛级穿越机量身定制。
- 顶级用料，超快运行速度，运行频率高达 48MHz 的 EMF8BB21F16G 主控芯片，顶级进口美国仙童 MOSFET，三合一 IC 驱动，进口高品质陶瓷电容，3 盎司铜厚，4 层板，大大降低发热，效率更高，响应极速，畅享感受零延时的操作乐趣。
- 多轴专用，油门反应快，内置程序为预设程序，简单，智能可自动调配，油门信号线为双绞线，飞行时能有效减少信号干扰使飞行更加平稳。兼容多种飞控系统。采用微型的超低内阻，配合精心优化的驱动程序，具有极强的耐电流冲击能力，性能稳定可靠。

连接图



其他

- 请使用 AGFRC 专用电调配置卡 "BL USBLINK" 来调参或升级固件。
- BLHeli 官方网址: <https://github.com/bitdump/BLHeli>
- BLHeliSuite 电调调参软件网址: <https://www.mediafire.com/folder/dx6kfaasyo24l/BLHeliSuite>
- 如需任何帮助，可随时联系我们 support@agfrc.com