



Description

- HQuad500 Frame and mounting hardware
- Includes brushless motors, speed controller and propellers
- "Plug and play" for easy solder-less assembly
- Requires flight controller, battery, charger and remote (TX/RX)

The Lynxmotion HQuad500 Drone (Base Combo Kit) is a 500mm quadcopter built using the new Lynxmotion M.E.S. (MultiRotor Erector Set) system. The design uses our new aluminum clamps along with 16mm carbon fiber tubes. This combination of parts allows the frame to be:

- Incredibly rigid (minimal flexing)
- Versatile (Integrated mounting for upgrades)
- Lightweight (use of composites and Aluminum)
- Modular (change the frame / use different length tubes)



We equipped the HQuad500 with a camera plate up front which is removable. Different plates will be available as well as a stabilized gimbal system. The flight controller mounting is located at the "dead center" of the frame with slots accommodating 30.5mm to 45mm mounting. The frame is compatible with the [Lynxmotion Quadrino Nano Flight Controller](#) (not included) with a section designed for the GPS antenna and access to the underside ports. There are integrated mounting plates for the ESCs which allow for easy access.



Specifications

- G10 plates / panels
- Carbon fiber tubes
- Aluminum brackets and standoffs
- Motor to Motor: 500mm (492.29mm)



- Propellers: 8" to 10"
- Front Arm Angle: 150° (149.05°)
- Assembled Weight: 383g (frame only)
- Flight Controller Mount: Flat surface as well as 30.5mm to 45mm slots (direct compatible with the Quadriano Nano)
- Mounting holes on the lower frame for use with a Lynxmotion pan/tilt and/or gripper

What's Included

- HQuad500 (Base Combo Kit):
 - 1x [HQuad500 Hardware Only Kit](#)
 - All G10 (Fiberglass frame parts to build the HQuad500 frame)
 - Complete Hardware Bag
 - 8x [16mm Aluminum Clamps \(2 per pack\)](#)
 - 2x [Lynxmotion battery strap](#)
 - 4x [Carbon Fiber tube \(16x14x220mm\)](#)
 - 4x [28x30mm - 1000kv Brushless motor](#)
 - 4x [12A Electronic Speed Controller \(ESC\) w/ SimonK Firmware](#)
 - 1x [9" x 4.5" Black Multi-Rotor CCW Propeller Pair](#)
 - 1x [9" x 4.5" Black Multi-Rotor CW Propeller Pair](#)
 - 1x [9" x 4.5" Orange Multi-Rotor CCW Propeller Pair](#)
 - 1x [9" x 4.5" Orange Multi-Rotor CW Propeller Pair](#)
 - 1x [Power Wiring Harness](#)
 - 1x [Receiver to Flight Controller Wiring Harness](#)

Requires (sold separately)

- Flight Controller ([Lynxmotion Quadriano Nano](#))
- Battery: 11.1V (3S), 20C (min) 2500mAh (min) ([11.1v 3500mAh 30C Suggested](#))
- 5 channel (or more) remote control ([UAV & Drone Remote Control](#))



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Useful Links

PDF File

- [User Guide](#)



Dimensions

