

# Grayson Hobby ***SUPER MEGA JET V2*** Brushless Motor

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**Li-Po Battery:** cells

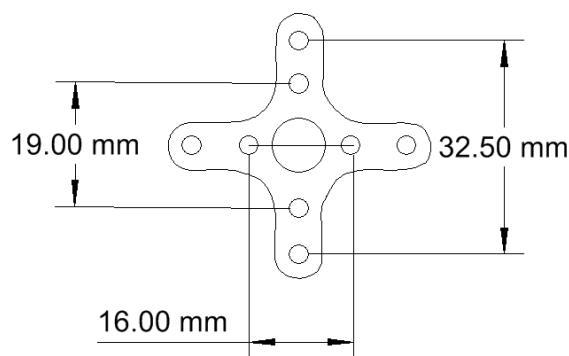
**RPM per volt :** 2550kv

**Max Current:** 40A / 60 sec

**Shaft:** 4.00mm

**Weight:** 76g (2.68oz)

**Recommend Propeller Range:** 3 cells Li-Po (11.1V): 6" x 5.5"



After almost 2 yrs GraysonHobby thought it was time to take our knowledge of ParkJet motors and improve the original SuperMega Jet. Longer shaft along with some other Grayson special ingredients, GraysonHobby was worked closely with our manufacture to develop an ***IMPROVED*** high speed high KV motor for LARGE high speed flying wings and park jets. Prop range is limited due to the High Kv (>2200) rating of this motor. Use with 3 cell lipo battery capable of sustaining 25 amps. Prop range is from 5x5 to 7x5.

Mounting holes have 16mm and 19mm spacing on centers and are tapped for 3mm (M3) screws The Grayson Hobby SUPER MEGA JET V2 is an extremely powerful high RPM motor for high-speed flying wings, pusher prop jets, or other planes up to 45 oz using 3 li-poly cells.

The motor features a 4mm hardened steel shaft, dual ball bearings, and has 3.5mm gold spring male connectors pre-soldered and includes 3 female connectors for your speed control. (see website for instructional video)

### Operating Instructions:

1. This brushless motor requires the use of a brushless speed control. Failure to use the correct speed control may result in damage to the motor and/or speed control.
2. When mounting the motor, be sure the correct length of screws are used so damage to the inside of the motor will not occur. We suggest you use the mounting hardware included with your motor. **The use of long screws will damage the motor.**
3. You may connect the three motor wires directly to the controller with solder or with the supplied 2.0mm bullet connectors, which will also need to be soldered properly to your wires. The three motor wires can be connected in any order to the three output wires or output port on a brushless speed control. Be sure to use heat shrink tubing to properly insulate the wires so the wires will not short. Shorting WILL damage the motor and speed control.
4. If you add connectors and you no longer wish to use them, never cut the motor wires. Remove them by properly desoldering them. Shortening the motor wires is considered an improper modification of the motor and may cause the motor to fail.
5. When you connect the motor to the esc, check the rotation direction of the motor. If you find the rotation is reversed, switching any two motor wires will reverse the direction so the motor rotates properly.
6. Proper cooling of the motor is very important during operation. New technology has brought much higher capacity batteries with higher discharge rates, which can cause extreme motor temperatures during operation. It is the responsibility of the user to monitor the temperature and prevent overheating. Overheating of the motor is not covered under any warranty.
7. You can install the propeller on the motor shaft after you have confirmed proper rotation direction. Also consult the instruction included with your electronic speed control for proper adjustments and timing.
8. Once the battery is connected to the motor, please use extreme caution. Stay clear of the rotating propeller since spinning propellers are very dangerous as the motors produce high amounts of torque.
9. Never disassemble the motor. This will void any warranty

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