

XeRun V10 **G4R**

ROAR version 13.5T/17.5T



Best Combination:
XeRun X10 PRO G2S ESC
XeRun X10 STOCK Spec G2 ESC



Significant speed and power improvement



Low internal resistance



high efficiency



Good heat dissipation



Dual version



Silent gasket



High temperature resistant



Dual sensor port



Optional rotor available



Easy to do maintenance



Industry leading materials excellent design

New Stator, Rotor, and Sensor Assembly improves the G4R spec motors overall performance and power dramatically.

The new Hobbywing G4R 13.5 shows 7% more speed, and 9% more power, under the same test loads, than popular non Hobbywing motors.

Faster and more powerful. The G4R platform shows confirmed improvements in overall speed and power output by up to **5%**↑

Comparing it with V10 G4 motor series: The output power is increased by nearly **4%**↑

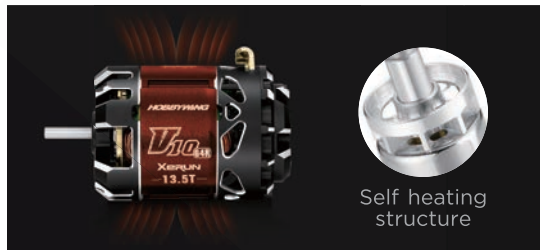
Low internal resistance, high efficiency

The new G4R stator and winding design reduces the overall internal resistance, while maintaining the requirements for sanctioning spec class rules. The improved motor efficiency reduces the temperature rise to keep internal resistance numbers consistent.

Good heat dissipation with low temperature rise

The motor adopts an open core can, and uses an all new Rotor. This allow the heat generated by the stator to be directly cooled by air flow. The can and rotor design allows air flow through the motor to maximize cooling.

Warning: The rotor heat dissipation is a patent design.



Dual version selection

The standard version is designed according to IFMAR/EFRA rules, and the ROAR version is designed according to ROAR rules. The ROAR version uses high thermal conductivity thermal conductive glue to fill the stator coil gaps, resulting in lower motor temperature rise. The temperature of the ROAR version is about 15C lower for the same input power.

Note: The standard version is in the EFRA list, and the IFMAR list is pending certification; the ROAR version is in the ROAR certification list, and the specific version used is subject to the rules announced by the competition.

Easy Maintenance

The G4R uses a sleek and simple modular design. This makes regular service and cleaning simple and direct. Cleaner motors last longer and run more efficiently.

Industry leading materials and excellent product design

The copper on the motor is 50% thicker to ensure lower internal resistance and greater heat capacity of the motor. The large opening heat dissipation structure at the tail of the motor provides excellent heat dissipation effect for the sensor components. It adopts high quality materials such as; high performance first tier brand iron core, 180C high temperature resistant and explosion proof structure rotor, and international first tier brand bearings to easily cope with harsh competition tests.



Wear resistant silent gasket

Updated nylon mixed shims provide ultra quiet motor operation and provide long lasting consistency. The wear resistance of the gasket is increased by approximately 2 times.

220°C high temperature resistant enameled wire

G4R motor windings use the highest temperature rated wiring to date. This allows further resistance to heat, while increasing the overall motor efficiency. Compared to other brands, temperature resistance is up to 40C higher. Resistance to high temperature damage means the motor can be pushed to it's limits and come back for more.

Dual sensor port

The G4R features dual sensor ports providing racers with options for sensor wire routing. The unused port is protected by the included silicon port plug.

Optional rotor available

The motor comes standard with a rotor (PN 30820450). It is suitable for most Blinky competition applications; the optional rotor (PN 30820407) has a stronger magnetized rotor and is suitable for medium and large track(Blinky) competitions, or high traction tracks application.



XeRun V10 GR4 13.5T

Applications: 1/10th STOCK Racing

- KV(No-load):** 4100KV
- Max.OutputPower:** 297W
- Current@Max.OutputPower:** 70.7A
- Resistance:** 0.0206Ω
- Diameter/Length:** =35.8mm(1.41in)
L=51.3mm(2.02in)
- Shaft Diameter/Length:** =3.175mm(0.125in)
L=13.9mm(0.55in)
- Stock Rotor:** Φ7 12.5*25.2 HUS
- Bearing size:** Front: D9*D4*t4
Rear: D8*D3*t4
- LiPos:** 1S-2S **No load Current:** 5.4A
- Poles:** 2 **Weight:** 149g