



MRR SERIES

1/10 SCALE COMPETITION MOTOR

PRECAUTIONS

1. For most updated spec and info, please visit Maclan Racing web site.
2. Make sure all three motor leads are properly attached with good solder joints. Wires properly aligned with speed control A-A, B-B, C-C.
3. Sensor cable needs to be attached to both motor and speed control.
4. Only run motor in vehicle, not free spinning.
5. Monitor temperature during runs to maintain proper performance. Temperatures should not exceed 170 degrees Fahrenheit.
6. Only use compressed air to clean motor, do not spray with liquid.
7. Motor is not considered water proof.

FEATURES

- Completely new stator design
- The latest hall sensor technology that precisely deliver all RPM and TORQUE to you
- Highest grade material and top craftsmanship provide maximum performance and durability
- CNC 6061 T6 full aluminum structure
- Heavy duty soldering tabs
- Completely rebuildable design allows easy maintenance
- Meet ROAR & IFMAR specs

OPERATION & GEARING

- Common error is caused by setting timing and gearing for 5-6 minutes race. Then run for 10 minutes or longer. Longer you run, hotter motor will get. Set timing and gearing accordingly.
- See included gear chart for general operating area. These are not exact as track length, car weight, batteries and driving style can effect heat. Always monitor with a temp gun.
- Adjust gear ratio to avoid going over 170°F (80°C) for desired run time, excessive heat can cause damage to your motor.
- If using Drift Car, throttle of driver and grip of tire make bigger difference. Must monitor motor temperature more closely.

SERVICE & SUPPORT

1. All requests for warranty service require the original proof of purchase showing the item, date, price, and dealer info. Warranty is not transferrable.
2. For warranty service, please visit <http://hadrma.com> and follow the service instructions for the quickest turnaround time. Or call us at 1-866-2068558.

PRODUCT WARRANTY

Your Maclan Racing MRR series sensored motor is guaranteed to be free from defects in materials and workmanship for a period of 120 days. Your **original receipt** showing the item, the date and place of purchase is required with your warranty service application. The warranty is not transferable. It is only valid to the original owner with the purchase invoice. Any motor that is found to have been mishandled, abused or used incorrectly, including use in an application other than that for which the motor is intended, will not be covered under the warranty.

Maclan Racing has no control over the use of the motor with other electronic devices such as speed controls and batteries. Maclan Racing is not liable for any loss or damage, whether direct or indirect, incidental, or consequential, or any situation from the use, misuse or abuse of the product. Your MRR series sensored motor is not a toy. This product is not intended for use by a child under age of 14 without adult supervision. The MRR motor generates a lot of power that could result physical injuries. By setting up, connecting or operating the product, the user accepts all related liabilities.

Once the MRR Series motor has been properly installed and operated it certifies material and workmanship from factory.

Typical conditions that are considered mishandled and not covered by the factory warranty:

- Physical/mechanical damage due to external impact or improper installation.
- Incorrect application setting (including run time, gear ratio, boost power timing, etc.)
- Overheating that causes wire de-soldering or internal damage.
- Damage by water, dirt or impact.
- Wrong battery sized used.
- Lack of maintenance that accumulates dirt and moisture to cause product malfunction.

SPARE PARTS & TRADE-IN PROGRAM

1. The MRR Series motor is completely rebuild-able. For complete spare parts list. Please visit Maclan Racing web site, Or call us at 1-866-2068558.
2. Maclan Racing offers Trade-In Program that allows you to send in any brushless motor to trade-in a brand new MRR motor. For details, please visit Maclan racing web site.

Maclan
WWW.MACLAN-RACING.COM