



1515-SL BRUSHLESS MOTOR

Introduction

Congratulations on your purchase of the Reedy 1515-SL Brushless Motor. The latest brushless motor technology along with the design and engineering experience that is responsible for 28 World Championship titles has been incorporated into its design.

Due to its sensorless design, the Reedy 1515-SL Brushless Motor operates powerfully and efficiently without complicated sensor harnesses. This motor is perfectly suited for use with ESCs that are designed to operate sensorless brushless motors.

Features

- Oversized Precision Ball Bearings
- High-Torque 4-Pole Rotor
- Hardened 5mm Steel Shaft
- Triple-Insulated Windings
- Sensorless Operation
- 4.0mm Connectors

Be sure to visit www.reedypower.com for the latest application and gearing charts and to view a complete list of spare and option parts.

Please read the following before installing and using your new motor.

Precautions and Warnings

- Please read the instructions before installing and operating your motor.
- Avoid over gearing by monitoring motor temperature. Operating temperatures should not exceed 80C (175F).
- Be sure to use the proper size motor mounting screws.
- Do not over-tighten the motor mounting screws.
- Do not use a Schottky diode with this motor.

Installation and Maintenance

- Your motor should be installed using 3mm screws with a length (generally 10mm or less) that does not allow the screw to extend into the motor more than 5mm. Otherwise, the screw can damage the motor's internal components.
- Do not over-tighten the motor mounting screws. Doing so may strip the mounting hole threads.
- Connect the three leads exiting the motor to the three motor leads from your Electronic Speed Control (ESC). If the motor runs backwards when giving it forward throttle, reverse any two motor leads. The motor will now turn in the desired direction.
- To clean your motor, lightly brush dirt away on a regular basis paying particularly close attention to the areas around the ball bearings. DO NOT spray cleaners or solvents into the motor.

Caution

When switching to a higher voltage battery from a lower one (to 18.5V from 14.8V, for example), a change in gear ratio or a lower kV motor might be necessary. Otherwise, the motor or ESC may overheat and sustain permanent damage. Please visit www.reedypower.com for the latest gear ratio suggestions for your particular motor and vehicle.

Safety Precautions

This product is a sophisticated hobby product and not a toy. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or property. This product is not intended to be used by children without direct adult supervision. It is essential to read and follow all instructions and warning found in this manual prior to installation, set up, and use in order for the product to operate properly and to avoid damage or injury.

Specifications

Model	1515-SL 2000kV
Item No.	929
Cells	3S-4S LiPo
RPM/volt	2000
Diameter	40mm
Length	74mm
Weight	380g/13.4oz
Shaft Diameter	5.0mm
Max. Efficiency Current	20-50A
Max. Surge Current	100A/15s
Internal Resistance	6.2mΩ

Warranty

Your motor is warranted to the original purchaser for 30 days from the date of purchase against defects in material and workmanship. Motors that have been mishandled, abused, used incorrectly, used for an application other than intended or damaged by the user are not covered under warranty.

Associated Electrics Inc. is not liable for any loss or damage, whether direct or indirect, incidental or consequential, or from any special situation, arising from the use, misuse, or abuse of this product.



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