



REDS RACING SRX SERVO MANUAL

1. INTRODUCTION

Congratulations for the purchase of REDS Racing SRX Servo. REDS Racing Servo have been specifically designed for 1/10 and 1/8 scale electric R/C racing. REDS Servo have been designed, developed and tested by REDS Racing in cooperation with the best drivers in the world. The most advanced technologies and materials have been used to get the best performance and reliability. To get the best performance and reliability, read this manual.

| Model | REDS SRX 15 | REDS SRX 25 | REDS SRX 30 | REDS SRX 40 |
|----------------------------|-------------------------------------|-------------------------------------|--|--|
| Application | 1/10 2WD steering buggy and on road | 1/10 4WD steering buggy and on road | 1/8 4WD steering electric buggy and truggy | 1/8 4WD steering and gas nitro buggy, truggy and on road |
| Type | Low profile | Normal | Normal | Normal |
| Operating Voltage [DC V] | 6.0 - 8.4 | 6.0 - 8.4 | 6.0 - 8.4 | 6.0 - 8.4 |
| Torque [kg cm] @8.4V | 16.5 | 30.2 | 35.1 | 50.1 |
| Torque [kg cm] @7.4V | 15.2 | 25.3 | 30.1 | 40.3 |
| Torque [kg cm] @6.0V | 11.5 | 21.5 | 26.2 | 39.1 |
| Speed [s] 60° @8.4V | 0.05 | 0.055 | 0.07 | 0.065 |
| Speed [s] 60° @7.4V | 0.06 | 0.06 | 0.075 | 0.074 |
| Speed [s] 60° @6.0V | 0.072 | 0.075 | 0.095 | 0.092 |
| Size l [mm] | 41 | 41 | 41 | 41 |
| Size p [mm] | 20 | 20.5 | 20.5 | 20.5 |
| Size h [mm] | 26 | 38.6 | 38.6 | 38.7 |
| Weight [g] | 55 | 75 | 75 | 83 |
| Bearing Typ | Ball Bearing x 2 | Ball Bearing x 2 | Ball Bearing x 2 | Ball Bearing x 2 |
| Motor Type | Brushless Motor | Brushless Motor | Brushless Motor | Brushless Motor |
| Gear Type | Titanium and Steel | Titanium and Steel | Titanium and Steel | Steel |
| Operating Temperature [°C] | -20 - 60 | -20 - 60 | -20 - 60 | -20 - 60 |
| Working frequency [Hz] | 333 | 333 | 333 | 333 |

2. SAFETY PRECAUTIONS

This product is a sophisticated hobby product and not a toy. It is not suitable for any other purpose. It must be operated with caution; common sense and some basic mechanical and electronic ability is required. 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 warnings found in this manual prior to installation, set-up and use in order to operate the esc properly and to avoid damage or injury.

3. WARNINGS

- Never let children use this product without the strict supervision of an adult.
- There is danger of injuring from the strong torque output of the output axis. There is also the danger of being burned due to the heat generated if the servo is over-loaded.
- REDS Racing Servo should only be used with REDS Products for the best performance.
- Make sure you check the connector direction and make sure it is securely inserted. If the connector becomes loose due to vibration during a run, it will drive recklessly.
- Do not use in a place where there are puddles or rain. *Water may enter the equipment and cause damage internally.
- Never leave this product unattended and do not use near flammable materials.
- Vibration during usage can damage the servo. Use the rubber grommets included to prevent the servo from coming in contact with mechanical plates. Over tightening the grommets reduces the effect of preventing vibration.
- Check any linkage connected to the servo for free movement. Loose or bound linkage will increase power consumption, which may shorten the operational life of the servo.
- When using dry cells as a power supply, the correct performance may not be shown.
- Modification of the unit by the customer may render the product un-repairable. *Specifications may change without notice due to performance improvements.

4. WARRANTY

Your REDS Racing Servo is warranted to the original purchaser for 120 days from the date of purchase, verified by the sales receipt, against defects in material and workmanship. Products that have been mishandled, abused, used incorrectly, used for an application other than intended or damaged by the user such as reverse polarity connection, physical damage of case, physical damage of the electronic component and the circuit board, receiver wire and/or switch wire damaged and humidity/water inside the ESC, are not covered under warranty.

To obtain the warranty, please refer to your dealer or local REDS Racing distributor and provide the following information: contact, address, phone number, email address, sales receipt and a description of the defect.

No liability will be accepted for any damage or injury resulting from the use of this product. By the act of operating this product, the user accepts all resulting liability.

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