YSIDO 3010 fan

YSIDO RC Motor Cooling Fan Heatsink 3010 Instruction Manual

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the YSIDO RC Motor Cooling Fan Heatsink 3010. This product is designed to enhance the cooling performance of RC motors, specifically compatible with 1/10 and 1/8 scale RC cars, trucks, and boats using 3650, 540, 550, 4268, and 4274 size motors.

2. SAFETY INFORMATION

- Ensure the power supply voltage is within the specified range of DC 5-8.4V.
- Incorrect polarity connection will not damage the fan due to reverse polarity protection, but ensure correct connection for operation.
- Keep fingers and loose objects away from the fan blades during operation.
- Do not attempt to disassemble or modify the fan.
- This product is intended for use with RC motors only.

3. PACKAGE CONTENTS

The package includes the following items:

- 2 x YSIDO 3010 RC Motor Cooling Fans

4. SPECIFICATIONS

Feature	Specification
Model	3010 Cooling Fan
Quantity	2 fans per pack
Input Voltage	DC 5-8.4V

Current	0.18A
Fan Speed	28000 RPM (for 30mm fan)
Connector Type	2-pin Dupont male plug
Cable Length	Approximately 17.5mm / 6.89 inches
Dimensions (each fan)	30mm x 30mm x 10mm (1.18in x 1.18in x 0.39in)
Compatibility	HSP, HPI, Wltoys, Himoto, Tamiya, Redcat 1/10, 1/8 RC Car/Truck/Boat with 3650, 540, 550, 4268, 4274 motors

Note: The fan features reverse polarity protection.

5. SETUP AND INSTALLATION

1. **Identify Mounting Location:** Locate a suitable mounting point on your RC motor's heatsink or motor mount. The fan is designed to attach directly to compatible heatsinks.

2. **Secure the Fan:** Use appropriate screws (not included, typically provided with heatsink or motor mount) to securely fasten the cooling fan to the motor heatsink. Ensure the fan blades are unobstructed.

3. **Connect Power:** The fan is powered via a 2-pin Dupont male plug. Connect this plug to an available port on your RC receiver or Electronic Speed Controller (ESC) that provides DC 5-8.4V output.

Image: The 2-pin Dupont connector features reverse polarity protection, preventing damage from incorrect connection. The cable length is approximately 17.5mm (6.89 inches).

4. **Verify Connection:** Double-check that the plug is fully inserted and the fan is securely mounted.

Image: A pair of YSIDO 3010 RC Motor Cooling Fans, showing their compact design and coiled power cables with 2-pin connectors.

Image: The YSIDO 3010 fan, illustrating its compact dimensions of 30mm x 30mm x 10mm (1.18in x 1.18in x 0.39in) and its small size relative to a human hand.

6. OPERATING INSTRUCTIONS

Once installed and connected, the YSIDO RC Motor Cooling Fan will operate automatically when power is supplied to the receiver or ESC. The fan is designed for high-speed operation to efficiently dissipate heat from your RC motor.

- Ensure the fan blades are spinning freely and without obstruction during operation.
- Monitor motor temperatures to confirm effective cooling.

7. MAINTENANCE

- **Cleaning:** Periodically inspect the fan blades and housing for dust, dirt, or debris accumulation. Use a soft brush or compressed air to gently clean the fan. Ensure the fan is disconnected from power

before cleaning.

- **Inspection:** Regularly check the power cable for any signs of wear, cuts, or damage. Ensure the fan remains securely mounted.
- **Storage:** When not in use for extended periods, store the fan in a clean, dry environment away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

- **Fan Not Spinning:**
  - Check if the power plug is securely connected to the receiver/ESC.
  - Verify that the receiver/ESC is powered on and providing the correct voltage (DC 5-8.4V).
  - Inspect the fan blades for any obstructions.
  - Check the cable for any visible damage.

- **Reduced Cooling Performance:**
  - Clean any dust or debris from the fan blades and heatsink.
  - Ensure the fan is mounted correctly and airflow is not restricted.
  - Verify the fan is spinning at its rated speed.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product's original packaging or contact the manufacturer directly. Keep your purchase receipt for any warranty claims.