

ARRMA ARA390289

ARRMA 4x4 BLX Motor Fan Set (ARA390289) Instruction Manual

1. INTRODUCTION AND OVERVIEW

This instruction manual provides essential information for the proper installation, operation, and maintenance of your ARRMA 4x4 BLX Motor Fan Set (ARA390289). This fan set is designed to effectively manage motor temperatures, ensuring consistent performance during demanding use.

The fan set features durable composite materials for longevity, an easy-to-fit design for efficient servicing, and a fan cover to protect against debris. An extender wire is included to facilitate connection from the receiver to the motor, along with all necessary attachment screws.



This image displays the complete ARRMA 4x4 BLX Motor Fan Set, showing the 30mm fan, its protective cover, the extension wire, and the four M3x16mm button head screws required for installation.

2. SAFETY INFORMATION

Please read this entire instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property, and may cause serious injury. This is a sophisticated hobby product. 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 other property. This product is not intended for use by children. Do not use with incompatible components or alter this product in any way outside of the instructions provided by ARRMA. This manual contains instructions for safety, operation, and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup, or use, in order to operate correctly and avoid damage or serious injury.

3. WHAT'S IN THE BOX

- 1 x 30mm Fan
- 1 x Fan Cover
- 1 x Extension Wire

- 4 x M3x16mm Button Head Screws

4. SETUP AND INSTALLATION

Follow these steps to properly install the ARRMA 4x4 BLX Motor Fan Set:

1. **Identify Mounting Location:** Locate the designated mounting area on your motor's heatsink. The fan is designed to attach directly to this heatsink.
2. **Position Fan and Cover:** Place the 30mm fan onto the heatsink, ensuring proper alignment for optimal airflow. Position the fan cover over the fan to protect it from small stones and debris.
3. **Secure with Screws:** Use the four M3x16mm button head screws provided to securely fasten the fan and cover to the motor heatsink. Ensure the screws are tightened firmly but do not overtighten.
4. **Connect Extension Wire:** Plug the fan's 3-pin connector into one end of the included extension wire.
5. **Connect to Receiver:** Connect the other end of the extension wire to an available 3-pin port on your vehicle's receiver. This allows the fan to draw power and operate when the vehicle is powered on.

Verify all connections are secure before operating your vehicle.

5. OPERATING INSTRUCTIONS

Once installed and connected, the ARRMA 4x4 BLX Motor Fan will activate automatically when your RC vehicle is powered on. The fan will continuously draw air across the motor heatsink to dissipate heat and maintain optimal operating temperatures.

- Ensure the fan blades are unobstructed before and during operation.
- Periodically check motor temperature during use, especially during extended or high-stress operation, to confirm effective cooling.

6. MAINTENANCE

Regular maintenance will ensure the longevity and efficiency of your motor fan set:

- **Inspection:** Regularly inspect the fan blades and fan cover for any accumulation of dirt, dust, or debris.
- **Cleaning:** Gently clean the fan blades and cover using a soft brush or compressed air. Avoid using liquids directly on the fan or motor.
- **Wire Check:** Verify that the extension wire and fan connector remain securely attached and free from damage.
- **Damage Assessment:** If the fan blades are bent, cracked, or the fan unit exhibits excessive noise or reduced performance, it may require replacement.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan not spinning	Loose or disconnected wiring; No power from receiver; Damaged fan motor	Check all connections; Ensure receiver is powered; Inspect fan for damage, replace if necessary

Problem	Possible Cause	Solution
Motor still overheating	Fan obstructed; Insufficient airflow; Extreme operating conditions	Clear any debris from fan; Ensure fan is properly positioned; Reduce load or allow for cooling periods
Excessive fan noise	Debris in fan blades; Loose mounting screws; Worn fan bearings	Clean fan blades; Tighten mounting screws; Replace fan if bearings are worn

8. SPECIFICATIONS

- **Product Dimensions:** 4.8"L x 4.2"W x 0.6"H
- **Brand:** ARRMA
- **Power Connector Type:** 3-Pin
- **Voltage:** 12 Volts
- **Cooling Method:** Air
- **Compatible Devices:** Receiver
- **Noise Level:** 30 Decibels
- **Material:** Composite materials
- **Maximum Rotational Speed:** 1800 RPM
- **Item Weight:** 0.06 Pounds

9. WARRANTY AND SUPPORT

For detailed warranty information, technical support, and service inquiries regarding your ARRMA 4x4 BLX Motor Fan Set (ARA390289), please visit the official ARRMA website or contact ARRMA customer service directly. Contact information can typically be found on the ARRMA brand website or product packaging.