

Fms FMS11800RTR

Fms 1:18 Atlas 6X6 RC Crawler Instruction Manual

Model: FMS11800RTR

1. PRODUCT OVERVIEW

The Fms 1:18 Atlas 6X6 is a robust remote control crawler designed for all-terrain use. It features a 6x6 full-time drive system and waterproof electronics, making it suitable for various environments including shallow water. The vehicle is equipped with a high-torque gearbox and LED lights for enhanced visibility.

Key Features:

- 6x6 full-time drive system for superior traction.
- Waterproof electronics package for operation in shallow water.
- High-torque 100T motor and gearbox.
- Anodized aluminum chassis rails for durability.
- Soft, big-block tires on beadlocks for maximum grip.
- Preinstalled LED lights for front and rear visibility.
- Functional spare tire and tool compartment.



Image 1.1: Front view of the Fms 1:18 Atlas 6X6 RC Crawler, showcasing its classic truck design and front LED lights.



Image 1.2: Rear view of the Fms 1:18 Atlas 6X6 RC Crawler, highlighting the functional spare tire and roll cage structure.

2. SETUP

2.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the 'What's in the Box' section are present and undamaged. The packaging includes the 1:18 Atlas 6X6 Crawler, manual, charging cable, screwdriver, wheel adjuster, and four spare springs.

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Video 2.1: This video demonstrates the unboxing process and initial setup steps for the Fms Atlas 6X6 RC Crawler, including how to connect the battery and power on the remote control.

2.2 Battery Installation and Charging

1. Locate the battery compartment under the functional hood of the vehicle.
2. Connect the provided 7.4V 600mAh rechargeable battery to the vehicle's power connector.
3. Securely close the hood.
4. To charge the battery, use the included 8.4V USB charger. Connect the battery to the charger and plug the charger into a compatible USB power source. The charging indicator will show the charging status.

2.3 Remote Control Setup

The vehicle comes with an easy-to-use pistol-grip 2.4GHz radio remote controller. Ensure the remote control has fresh batteries installed (not included, typically AA batteries). Power on the remote control first, then the vehicle, to establish a connection.

3. OPERATING INSTRUCTIONS

3.1 Basic Controls

- **Throttle:** Use the trigger on the remote control to move the vehicle forward or backward. Pull the trigger for forward motion, push for reverse.
- **Steering:** Use the steering wheel on the remote control to turn the vehicle left or right.
- **Trim Adjustments:** The remote control features trim buttons (ST.TRIM for steering, TH.TRIM for throttle) to fine-tune the vehicle's straight-line tracking and neutral throttle position. Adjust these if the vehicle pulls to one side or moves slightly without throttle input.

3.2 Driving on Various Terrains

The Fms Atlas 6X6 is designed for excellent crawling performance across diverse terrains:

- **Road and Highway:** The vehicle can be driven on paved surfaces, but its primary design is for off-road conditions.
- **Shallow Sand and Mud:** The 6x6 drive system and high-grip tires provide strong traction in loose surfaces. Drive cautiously to avoid getting stuck.
- **Rocky Terrain:** The articulated suspension and high ground clearance allow the Atlas 6X6 to navigate over rocks and uneven surfaces. Use slow and controlled throttle inputs for optimal crawling.



Image 3.1: The Fms 1:18 Atlas 6X6 RC Crawler demonstrating its climbing capability on rocky terrain.

3.3 Waterproof Capabilities

The Atlas 6X6 features a waterproof electronics package, allowing it to operate in shallow water. However, it is not designed for full submersion. Avoid deep water or prolonged exposure to water to prevent damage to non-waterproof components.



Image 3.2: The Fms 1:18 Atlas 6X6 RC Crawler navigating through shallow water, showcasing its waterproof design.

3.4 LED Lights

The vehicle is equipped with bright LED lights at the front and rear, which activate automatically when the vehicle is powered on. These lights improve visibility during operation in low-light conditions.

4. MAINTENANCE

4.1 General Care and Cleaning

- After each use, especially in dirty or wet conditions, clean the vehicle to remove dirt, mud, and debris. Use a soft brush or cloth.
- Avoid using harsh chemicals or solvents, as these can damage the vehicle's finish and components.
- Ensure all moving parts are free from obstructions.

4.2 Battery Care

- Always fully charge the battery before use.
- Do not overcharge or over-discharge the battery.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- Disconnect the battery from the vehicle when not in use.

4.3 Spare Parts

The Fms Atlas 6X6 comes with a functional spare tire and four spare springs. Additional parts such as the 1:18 Front Steering Hub & Spindle, 1:18 Chassis Mounting Set B, 1:18 Complete Vehicle Link Set, 1:18 Wheel Hex, 1:18 Complete Vehicle Gear Set, 1:18 Atlas Light Mount Set, 1:18 Exhaust Pipe Set, 1:18 Roll Cage Set, 1:18 Axle Drive Shaft Set, 1:18 Aluminum Main Chassis Set, 1:18 Transmission Gear Shaft Set, 1:18 Ball Stud & Pin Set, Complete Bushing Set, and 1:18 Complete Vehicle Screw Set are available for maintenance and repair.

5. TROUBLESHOOTING

If you encounter issues with your Fms 1:18 Atlas 6X6, refer to the following common troubleshooting steps:

- **Vehicle not responding:** Ensure both the vehicle and remote control are powered on and that the batteries are fully charged. Check for proper binding between the remote control and the vehicle.
- **Vehicle moving erratically or not straight:** Adjust the steering and throttle trim settings on the remote control.
- **Loss of power or slow performance:** The battery may be low. Recharge the vehicle battery.
- **Unusual noises or vibrations:** Inspect the drivetrain, gears, and suspension for any obstructions, loose parts, or damage. Discontinue use if severe issues are detected and consult support.
- **Lights not working:** Check the connections to the LED lights. If the vehicle is otherwise functional, the lights may require replacement.

For persistent issues or complex repairs, please contact Fms customer support.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	12 x 13 x 30 inches
Item Weight	11.2 ounces
Item Model Number	FMS11800RTR
Manufacturer Recommended Age	14 years and up
Batteries	1 Lithium Metal battery required (included)
Drive System	6x6 Full-Time Drive
Motor	100T High Torque Motor
Electronics	Waterproof

7. WARRANTY AND SUPPORT

Fms provides worry-free after-sales service for the Atlas 6X6 RC Crawler. If you have any usage questions or

encounter product quality problems, please contact Fms customer service as soon as possible. Support is available 7 days a week, 24 hours a day.

Please retain your proof of purchase for warranty claims. Specific warranty duration and terms may vary; refer to the official Fms website or contact customer support for detailed information.