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› [ARRMA RC Truck Mojave GROM 4x4 Smart Small Scale Desert Truck Instruction Manual](#)

ARRMA ARA2104T1

ARRMA MOJAVE GROM 4x4 Smart Small Scale Desert Truck

Model: ARA2104T1

Brand: ARRMA

1. IMPORTANT SAFETY INFORMATION

WARNING: Read the 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 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 without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. The product 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.

2. WHAT'S IN THE BOX

- (1) ARRMA MOJAVE GROM Small Scale 4X4 Desert Truck RTR
- (1) Spektrum Waterproof SLT 2-in-1 25A ESC & Receiver
- (1) ARRMA MEGA 380 28T Brushed Motor
- (1) Spektrum 2.4GHz SLT2 Transmitter
- (1) Spektrum SX110 Waterproof Metal-Geared Servo
- (1) Spektrum Smart 7.4V 1400mAh 2S 30C Hard Case LiPo Battery w/IC2
- (1) Spektrum S10 Smart G2 Mini 2S USB-C Charger
- (4) AA Transmitter Batteries
- (1) Hex wrench
- (1) Instruction Manual



Image: The ARRMA MOJAVE GROM 4x4 Smart Small Scale Desert Truck in red and black, ready to run.

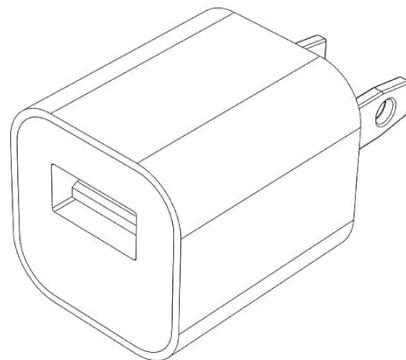
3. SETUP GUIDE

The ARRMA MOJAVE GROM comes as a Ready-to-Run (RTR) package, meaning most essential components are included. Follow these steps for initial setup:

- 1. Charge the Battery:** Use the included Spektrum S10 Smart G2 Mini 2S USB-C Charger to fully charge the Spektrum Smart 7.4V 1400mAh 2S 30C Hard Case LiPo Battery. Ensure you have a compatible USB power supply (not included) with QC 2.0/3.0 18W+ for the charger.

NOT INCLUDED

YOU WILL REQUIRE THESE ITEMS TO RUN THE VEHICLE...



USB POWER SUPPLY with QC 2.0/3.0 18W+

Image: A diagram indicating that a USB power supply is required but not included with the product.

- 2. Install Transmitter Batteries:** Insert the four included AA batteries into the Spektrum 2.4GHz SLT2 Transmitter.
- 3. Install Vehicle Battery:** The vehicle features an easy clipless body attachment. Gently remove the body to access the battery compartment. Connect the charged LiPo battery to the Spektrum Waterproof SLT 2-in-1 25A ESC & Receiver. Secure the battery within its tray.



Image: A view of the ARRMA MOJAVE GROM chassis with the body removed, showing the internal components and battery tray.

- 4. Reattach Body:** Align the body with the chassis and secure it using the clipless attachment mechanism.

4. OPERATING INSTRUCTIONS

The ARRMA MOJAVE GROM is designed for robust performance across various terrains. Its high-traction 4WD drivetrain ensures excellent grip and control.

- **Power System:** Equipped with a powerful Spektrum 2S LiPo battery and an ARRMA MEGA 380 28T Brushed Motor, the truck delivers impressive speed and acceleration.
- **Drivetrain:** The enclosed metal gear drivetrain provides durability and protection for all-terrain toughness. It features improved V2 front and rear differentials for enhanced performance and reliability.
- **Speed Control:** The transmitter allows for adjustable speed settings, making it suitable for both novice and experienced users. This feature adds an extra layer of control and fun.
- **Terrain Versatility:** While highly durable, the truck performs exceptionally well on various surfaces including dirt, sand, and concrete.



Image: The ARRMA MOJAVE GROM desert truck speeding across a sandy terrain, demonstrating its off-road capability.



Image: The ARRMA MOJAVE GROM captured mid-air, showcasing its robust suspension and ability to handle jumps.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ARRMA MOJAVE GROM.

- **Cleaning:** After use, especially in dusty or sandy conditions, gently rinse the vehicle to remove debris. Avoid excessive water pressure on electronic components.
- **Differential Inspection:** Periodically inspect the front and rear differentials for wear. While the V2 differentials are improved, heavy use may necessitate inspection or potential upgrades to steel gears for extreme conditions.
- **General Check:** Regularly check all screws, nuts, and moving parts for looseness and tighten as necessary. Ensure all cables and connections are secure.



Image: Close-up view of the differential gears, highlighting components that may require inspection or maintenance.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your ARRMA MOJAVE GROM.

Problem	Possible Cause	Solution
Vehicle not responding or erratic steering	Low battery in transmitter or vehicle; loose connections; steering servo issue.	Ensure batteries are fully charged and correctly installed. Check all wiring connections. If issues persist, inspect the Spektrum SX110 Waterproof Metal-Geared Servo for damage or obstruction.
Reduced speed or power	Low vehicle battery; motor overheating; debris in drivetrain.	Recharge the LiPo battery. Allow the motor to cool down if it feels hot. Clean any debris from the enclosed drivetrain and wheels.
Unusual noises from drivetrain (e.g., grinding)	Damaged or worn differential gears; foreign objects.	Inspect the V2 front and rear differentials for damage. Remove any foreign objects. Consider upgrading to steel gears if frequent issues occur under heavy use.
Body or suspension components breaking easily	Extreme impacts; material fatigue.	While durable, extreme impacts can cause damage. Inspect for cracks or breaks and replace damaged parts. Ensure proper landing after jumps.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	13.31 x 6.77 x 4.72 inches (338mm x 172mm x 120mm)
Item Weight	2.27 pounds
Model Number	ARA2104T1

Feature	Detail
Manufacturer Recommended Age	14 years and up
Batteries	1 Lithium Polymer battery required (included)
Manufacturer	ARRMA
Country of Origin	China
Date First Available	June 28, 2024



Image: Diagram illustrating the key dimensions of the ARRMA MOJAVE GROM truck.

8. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official ARRMA website or contact their customer service directly. The product manual included in the box also contains specific warranty terms and contact details.

Manufacturer: ARRMA

For further assistance, visit the [ARRMA Store on Amazon](#) or their official brand website.