

ARRMA ARA3230ST1

ARRMA Gorgon 2WD MT1/10 RTR RC Truck Instruction Manual

Model: ARA3230ST1

1. 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. PACKAGE CONTENTS

The ARRMA Gorgon 2WD MT1/10 RTR RC Truck package includes the following components:

- 1/10 GORGON 4X2 MEGA 550 Brushed Monster Truck
- Spektrum Waterproof SLT 2-in-1 ESC and Receiver Unit
- Mega 550 14T Brushed Motor
- Spektrum SLT2 2.4GHz Transmitter
- Spektrum S660 Waterproof Digital Steering Servo
- Spektrum 8.4V 3300mAh 7-Cell Hump Smart NiMH Battery with IC3 Connector
- Spektrum 2S LiPo Ready S120 USB-C Smart Charger
- 4 AA Transmitter Batteries
- 1.5mm, 2mm, and 2.5mm Hex Key and Multi-Tool
- 1/10 GORGON 4X2 MEGA 550 Brushed Monster Truck RTR Product Manual



Image: The ARRMA Gorgon RC Truck, ready-to-run, shown with its included battery and charger.

3. SETUP GUIDE

3.1. Transmitter Battery Installation

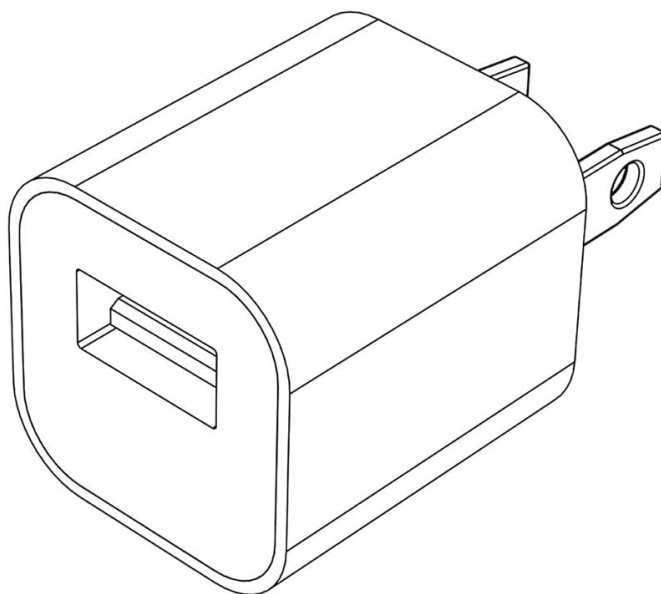
1. Locate the battery compartment on the Spektrum SLT2 2.4GHz Transmitter.
2. Open the battery compartment cover.
3. Insert the 4 included AA batteries, ensuring correct polarity.
4. Close the battery compartment cover securely.

3.2. Charging the Vehicle Battery

The vehicle includes a Spektrum 8.4V 3300mAh 7-Cell Hump Smart NiMH Battery and a Spektrum 2S LiPo Ready S120 USB-C Smart Charger.

1. Connect the S120 USB-C Smart Charger to a compatible USB power supply (QC 2.0/3.0 18W+ recommended, not included).
2. Connect the vehicle battery to the charger's IC3 connector.
3. Allow the battery to charge fully. Refer to the charger's indicator lights for charging status.

NOT INCLUDED
YOU WILL REQUIRE THESE ITEMS TO RUN THE VEHICLE...



USB POWER SUPPLY

with QC 2.0/3.0 18W+



Image: A diagram illustrating the type of USB power supply (QC 2.0/3.0 18W+) required for the included charger, which is not supplied with the product.

3.3. Binding the Transmitter and Receiver

If the transmitter and receiver are not already bound, follow these steps:

1. Ensure the vehicle battery is disconnected from the ESC.
2. Turn on the transmitter.
3. Connect the vehicle battery to the ESC. The ESC will power on.
4. Press and hold the bind button on the receiver (or follow the specific binding procedure outlined in the full product manual).
5. The receiver's LED will indicate successful binding.

3.4. ESC Battery Type Selection

The ESC is compatible with both NiMH and LiPo batteries. Before using a LiPo battery, ensure the ESC is set to the correct battery type. Refer to the full product manual for instructions on how to switch the pin on the ESC from its stock NiMH position to LiPo.

4. OPERATING INSTRUCTIONS

4.1. Basic Controls

- **Throttle Trigger:** Pull to accelerate forward, push to brake/reverse.
- **Steering Wheel:** Turn left or right to steer the vehicle.
- **Trim Adjustments:** Use the steering trim and throttle trim dials on the transmitter to fine-tune the vehicle's straight-line tracking and neutral throttle position.

4.2. Driving Tips

The ARRMA Gorgon is designed for durability and performance across various terrains. Its robust construction allows for aggressive driving, including jumps and rough terrain. Always operate the vehicle in open areas free from obstacles, people, and pets.



Image: The ARRMA Gorgon RC Truck airborne after launching off a ramp, demonstrating its capability for jumps.



Image: The ARRMA Gorgon RC Truck kicking up dirt while driving, highlighting its off-road capabilities.

4.3. Battery Runtime

The included NiMH battery provides approximately 15-20 minutes of runtime depending on driving conditions. For extended runtimes, consider purchasing additional compatible batteries, such as a 2S LiPo 7200mAh battery with an EC3 connector, ensuring the ESC is correctly configured for LiPo use.

5. MAINTENANCE

5.1. General Cleaning

After each use, especially in dusty or dirty conditions, clean the vehicle to prevent debris buildup. Use a soft brush or compressed air to remove dirt from the chassis, suspension, and drivetrain components.

5.2. Drivetrain Inspection

Regularly inspect the gears, especially the spur gear and pinion gear, for wear or damage. Stripped gears can occur from impacts or excessive stress. Replace any worn or damaged parts promptly to maintain optimal performance.

5.3. Motor Cooling

For prolonged operation or in warm environments, consider installing a 40mm cooling fan on the brushed motor. This can help maintain motor temperature and extend its lifespan. The fan can typically plug directly into the fan port on the stock ESC for power.

6. TROUBLESHOOTING

6.1. Vehicle Not Responding

- Ensure both the transmitter and vehicle batteries are fully charged and correctly installed.
- Verify that the transmitter and receiver are properly bound.
- Check all electrical connections for looseness or damage.

6.2. Loss of Steering or Throttle Control

- **Steering:** Inspect the steering servo for damage or if it has become unresponsive. Check servo linkages for obstructions.
- **Throttle:** Check the motor and ESC connections. If the motor accelerates but the wheels do not turn, inspect the spur gear and pinion gear for stripping.

6.3. Short Battery Life

- Ensure the battery is fully charged before use.
- Consider the age and condition of the battery; older batteries may have reduced capacity.
- Driving style (e.g., continuous full throttle) significantly impacts runtime.

7. SPECIFICATIONS

Feature	Detail
Model Number	ARA3230ST1
Product Dimensions	19.3 x 14.5 x 10 inches
Item Weight	5.95 pounds
Manufacturer	ARRMA
Recommended Age	14 years and up
Batteries (Transmitter)	4 AA batteries (included)
Battery (Vehicle)	8.4V 3300mAh 7-Cell Hump Smart NiMH (included)
Charger	Spektrum 2S LiPo Ready S120 USB-C Smart Charger (included)



Image: Side profile of the ARRMA Gorgon RC Truck, illustrating its physical dimensions.

8. WARRANTY AND SUPPORT

For warranty information, technical support, and replacement parts, please refer to the official documentation provided with your product or visit the ARRMA website. All warranty claims and support inquiries should be directed to Horizon Hobby, LLC, the manufacturer.

Extended protection plans may be available from third-party providers at the time of purchase. Review the terms and conditions of any such plans separately.

