

ARRMA ARA7116V2

ARRMA 1/7 Limitless V2 Speed Bash Roller Instruction Manual

Model: ARA7116V2 | Brand: ARRMA

1. INTRODUCTION AND OVERVIEW

The ARRMA 1/7 Limitless V2 Speed Bash Roller (ARA7116V2) is the ultimate RC speed machine designed for intermediate to advanced drivers. This refined rolling chassis is optimized for 8S high-speed running, allowing enthusiasts to choose their own dream electronics package for maximum speed and power. Capable of achieving speeds over 110 mph in optimal conditions, this roller provides a robust platform for high-performance RC driving.



Figure 1: The ARRMA 1/7 Limitless V2 Speed Bash Roller with its clear body shell.

2. 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. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. 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) ARRMA® LIMITLESS™ 1/7 Scale All-Road Speed Bash Roller
- (1) Customizable Clear Body and Nose Cone
- (1) Decal Sheet
- (1) Window Mask Sheet
- (1) 1/7 LIMITLESS V2 Speed Bash Roller Manual

4. SETUP

The ARRMA Limitless V2 is a "roller" model, meaning it comes pre-assembled as a chassis but requires additional electronic components to be fully operational. This allows for complete customization of your power system to achieve desired performance levels.

4.1 Required Components (Not Included)

To get your Limitless V2 running, you will need the following:

- **Batteries:** Two (2) compatible LiPo batteries (e.g., 4S or 8S total for high-speed running).
- **Charger:** A compatible LiPo battery charger.
- **Electronic Speed Control (ESC):** An 8S capable ESC for optimal performance.
- **Motor:** A powerful brushless motor (e.g., 1717 1650KV for extreme speeds).
- **Pinion Gear:** Appropriate pinion gear for your chosen motor and desired speed.
- **Receiver:** A radio receiver compatible with your transmitter.
- **Servo:** A high-torque steering servo.
- **Transmitter:** A 2-channel (or more) radio transmitter.

Needed to Complete

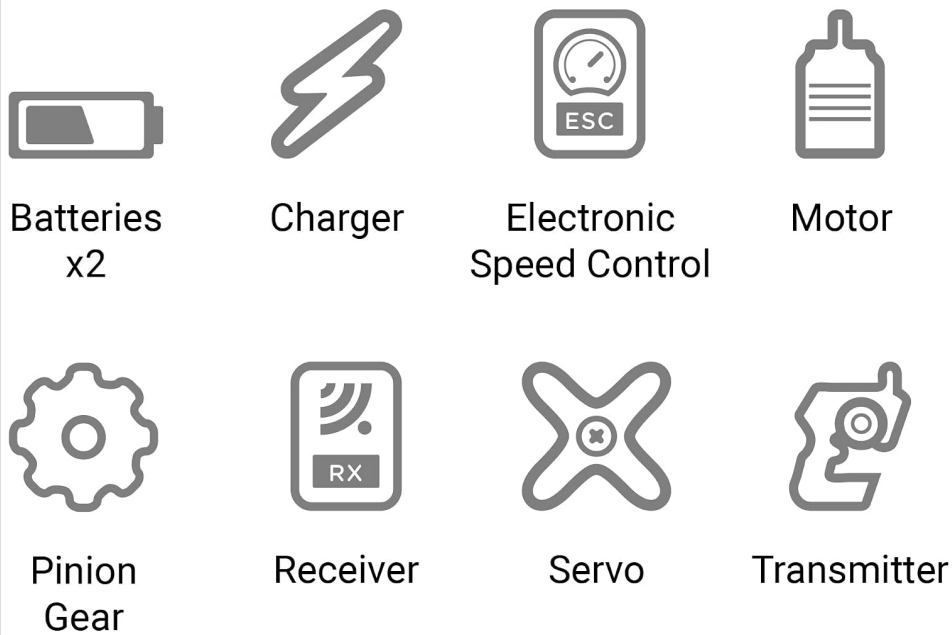


Figure 2: Visual representation of components needed to complete the Limitless V2.

4.2 Chassis and Body Preparation

The Limitless V2 features a refined rolling chassis with transmission and motor mount parts optimized for 8S high-speed running. The included clear body allows you to customize your vehicle with a unique paint scheme. Durable steel drive shafts and big bore aluminum shocks provide the necessary strength and performance for extreme speeds.



Figure 3: The robust chassis of the Limitless V2, designed for high-speed durability.



Figure 4: An example of a custom-painted body on the Limitless V2.

4.3 Aerodynamics

The Limitless V2 boasts adjustable aerodynamics with trim lines on the front and rear wings. These can be fine-tuned to optimize downforce and reduce drag, crucial for achieving and maintaining extreme speeds.

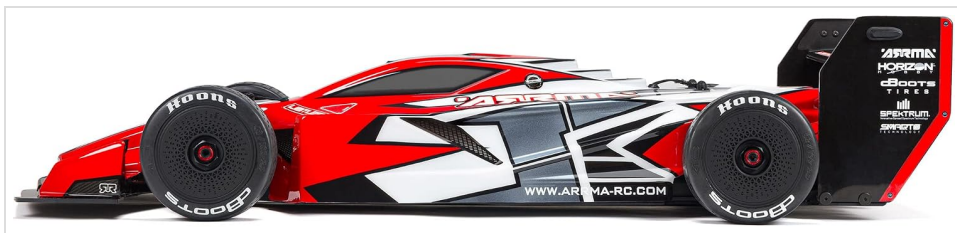


Figure 5: Side profile showcasing the aerodynamic design of the Limitless V2.

4.4 Product Overview Video

For a visual guide on the product's features and components, please watch the official product overview video below:

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Video 1: Official Product Overview of the ARRMA 1/7 Limitless V2 Speed Bash Roller.

5. OPERATING

The ARRMA Limitless V2 is designed for high-speed performance. Once your chosen electronics are installed and configured, ensure you operate the vehicle in a safe, open environment free from obstacles, pedestrians, or other vehicles. Always perform pre-run checks, including battery levels, secure connections, and proper steering/throttle response.

This vehicle is capable of speeds exceeding 110 mph. Due to its extreme speed capabilities, it is recommended for experienced RC drivers. Always maintain a safe distance from yourself and others during operation.

5.1 Action Video

Witness the ARRMA Limitless V2 in action, demonstrating its incredible speed and performance:

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Video 2: High-speed action footage of the ARRMA 1/7 Limitless V2 Speed Bash Roller.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your ARRMA Limitless V2. After each run,

especially high-speed sessions, inspect the following:

- **Cleaning:** Remove dirt, dust, and debris from the chassis, suspension components, and motor/ESC. Use a soft brush or compressed air.
- **Screws and Fasteners:** Check all screws and fasteners for tightness. Vibrations from high speeds can loosen them.
- **Drivetrain:** Inspect the drive shafts, gears, and differentials for wear or damage. Lubricate moving parts as recommended in the detailed product manual.
- **Suspension:** Check shocks for leaks and ensure smooth operation. Inspect suspension arms and linkages for cracks or bends.
- **Tires:** Examine tires for wear, punctures, or separation from the wheels. Ensure they are properly inflated (if applicable).
- **Electronics:** Verify all electrical connections are secure. Check for any signs of overheating on the motor or ESC.

7. TROUBLESHOOTING

This section provides general troubleshooting tips for common issues. For detailed diagnostics, refer to the comprehensive product manual.

Problem	Possible Cause	Solution
No Power/No Response	Dead battery, loose connection, ESC/motor issue.	Charge batteries, check all connections, consult ESC/motor manual.
Loss of Control/Erratic Behavior	Radio interference, low transmitter battery, loose servo horn.	Change operating location, replace transmitter batteries, secure servo horn.
Overheating Motor/ESC	Incorrect gearing, insufficient cooling, prolonged high-stress operation.	Adjust gearing, ensure proper airflow, allow components to cool between runs.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	31.1 x 14 x 9.7 inches
Item Weight	13.7 pounds
ASIN	B0BHL8D3G7
Item Model Number	ARA7116V2
Manufacturer Recommended Age	14 years and up
Manufacturer	ARRMA
Country of Origin	China
Date First Available	July 28, 2022

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please visit the official ARRMA website or contact their customer service. Always refer to the detailed product manual for specific warranty terms and conditions.

Visit the [ARRMA Store on Amazon](#) for more products and information.