

ARRIS YK4107

ARRIS YIKONG YK4107 1/10 4WD RC Rock Crawler Instruction Manual

Model: YK4107

1. PRODUCT OVERVIEW

The ARRIS YIKONG YK4107 is a 1/10 scale 4WD RC rock crawler designed for superior off-road performance. It features advanced functionalities for an immersive remote-controlled experience.

Key Features:

- **2-Speed Transmission with Locking Differentials:** Switch between high and low gears with remote-controlled front and rear differential locks for optimal performance on various terrains.
- **Low Center of Gravity (LCG) Chassis:** Engineered with a low-profile chassis and portal axles for enhanced stability, balance, and ground clearance on challenging trails.
- **Realistic Scale Body with LED Light System:** Features a clear 1.2mm PC body, detailed interior, and remote-controlled LED lights for an authentic RC experience.
- **Durable Drivetrain and Suspension:** Equipped with full metal gears, oil-filled shocks, U-joint front axles, and competition-grade crawler tires for smooth, rugged off-road driving.
- **10CH Radio with Multiple Driving Modes:** Includes a 2.4GHz 10-channel transmitter with adjustable drag brake, lighting control, and switchable normal/competition modes for full customization.



Figure 1: ARRIS YIKONG YK4107 RC Rock Crawler with its remote control.



Figure 2: Rear view of the YK4107, highlighting the spare tire and rear bumper.



Figure 3: Front view of the YK4107, showing the grille, headlights, and front bumper.

2. WHAT'S IN THE BOX

Your ARRIS YIKONG YK4107 package includes the following items:

- Remote Control
- Charging Cable
- Product Manual
- **Note:** Batteries and charger are not included for the RC car.

3. SETUP

3.1 Remote Control Battery Installation

The remote control requires 1 AA battery (not included). Refer to the remote control's specific instructions for proper battery insertion.

3.2 RC Car Battery Installation

The RC car operates on a 2S Li-ion battery (not included). Ensure the battery is fully charged before use. Connect the battery to the ESC (Electronic Speed Controller) and secure it in the designated battery compartment. Refer to the detailed instructions in the included Product Manual for specific steps.

3.3 Initial Inspection

Before first use, inspect all components for any signs of damage or loose connections. Ensure all screws are tightened and the wheels are securely attached.

4. OPERATING INSTRUCTIONS

The YK4107 offers advanced control features for diverse driving scenarios.

4.1 Powering On

1. Ensure the RC car's battery is connected and fully charged.
2. Turn on the remote control.
3. Turn on the RC car. The LED lights should illuminate.

4.2 Driving Modes and Controls

The 10-channel remote control allows for precise manipulation of the crawler's features:

- **2-Speed Transmission:** Use the designated switch on the remote to toggle between high and low gears.
- **Differential Locks:** Engage or disengage front and rear differential locks via the remote for improved traction on uneven surfaces.
- **Tank Turn Function:** This innovative DIG function allows remote control to lock a single rear wheel, enabling a tighter turning radius. Press Channel 4 button to activate Tank Mode. The rear differential lock will release automatically. When the steering wheel turns right, the rear servo works with the direction, braking the right rear wheel. Pressing the accelerator moves the vehicle forward.
- **LED Lights:** Control the LED light system using the dedicated lighting control button on the remote.
- **Drag Brake:** Adjust the drag brake strength directly from the transmitter.
- **Normal/Competition Modes:** Switch between normal and competition driving modes for different performance characteristics.



Figure 4: Visual explanation of the Tank U-turn function, showing remote control input and vehicle movement.

Start tank U-turn function

START TANK TURN FUNCTION

Open channel 4 to start tank mode



PRESS THE CHANNEL 4 BUTTON TO
ACTIVATE THE TANK MODE

The rear differential lock
opens automatically



THE REAR DIFFERENTIAL LOCK WILL BE
RELEASE AUTOMATICALLY

When the steering wheel turns to
the right



WHEN THE STEERING WHEEL TURNS TO
THE RIGHT

Rear engine hybrid with steering



THE REAR SERVO WILL WORK ALONG
WITH THE DIRECTION

Brake right rear wheel BRAKE THE RIGHT REAR WHEEL.



When the throttle
is pressed forward



WHEN PRESSING THE ACCELERATOR TO
MOVE FORWARD

Figure 5: Detailed view of remote control buttons and their corresponding actions for the Tank U-turn function.



Figure 6: Overview of remote control adjustable features like drag brake, driving modes, lighting control, and various battery box sizes.

4.3 Driving Tips

- Practice in an open area to familiarize yourself with the controls.
- Utilize the 2-speed transmission and differential locks to adapt to different terrains.
- Avoid prolonged exposure to water or extreme temperatures unless specified as waterproof.



Figure 7: The YK4107 demonstrating its climbing capabilities on rocky terrain.



Figure 8: The YK4107 showcasing its articulation and ground clearance on a challenging incline.

Your browser does not support the video tag.

Video 1: Official product video demonstrating the YK4107 1/10 RC 4WD Climbing Truck in action, highlighting its features and performance.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your YK4107 RC Rock Crawler.

5.1 General Care

- Clean the vehicle after each use to remove dirt, dust, and debris.

- Inspect all moving parts for wear and tear.
- Ensure all screws and fasteners are tight.

5.2 Drivetrain and Suspension

- The vehicle is equipped with full ball bearings. Periodically check for smooth operation and lubricate as needed.
- Inspect the oil-filled shocks for leaks and proper damping.
- Check the U-joint front axles for any damage or excessive play.
- Ensure the manual operated front and rear locking differentials engage and disengage correctly.



Figure 9: Underside view of the YK4107 chassis, showing the steering gear buffer protection device and high-torque metal gear steering servo.

6. TROUBLESHOOTING

If you encounter any issues with your YK4107, refer to the following general troubleshooting tips:

- **No Power:** Check if the battery is fully charged and correctly connected. Ensure the remote control

has fresh batteries and is powered on.

- **Loss of Control:** Verify that the remote control and vehicle are properly bound. Check for any interference in the operating environment.
- **Poor Performance:** Inspect tires for damage or proper inflation. Check suspension components for any binding or damage. Ensure differential locks are engaging as intended for the terrain.
- **Unusual Noises:** Discontinue use immediately and inspect the drivetrain, gears, and motor for any obstructions or damage.

For more detailed troubleshooting, please consult the comprehensive Product Manual included with your purchase.

7. SPECIFICATIONS

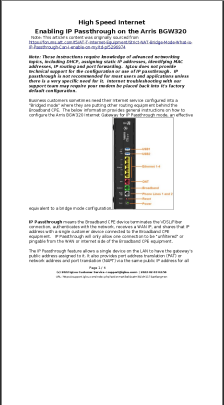
Feature	Specification
Product Dimensions	21.3 x 9.7 x 9.64 inches
Item Weight	10.78 pounds
ASIN	B0F6LTJGK1
Item Model Number	YK4107 RC CRAWLER
Manufacturer Recommended Age	16 years and up
Batteries	1 AA battery required (included for remote)
Manufacturer	ARRIS

8. WARRANTY & SUPPORT

For any product-related inquiries, technical assistance, or support, please refer to the contact information provided in your Product Manual or visit the official ARRIS website.

While specific warranty details are provided with the product, extended protection plans are available for purchase separately. These plans offer additional coverage beyond the standard manufacturer's warranty.

Related Documents - YK4107

	<p>Enabling IP Passthrough on the Arris BGW320: A Technical Guide</p> <p>Learn how to configure IP Passthrough mode on the Arris BGW320 Internet Gateway. This guide provides step-by-step instructions for advanced users needing to bridge their network, including firewall settings, MAC address configuration, and Wi-Fi disabling.</p>
---	--



[Programming Your PBTv Remote for Power & Volume](#)

This guide provides instructions on how to program your PBTv remote for power and volume control, including code search methods, manual programming, and locking volume controls.



ARRIS SB6183 Cable Modem: Troubleshooting Internet Connection Issues

Comprehensive guide to troubleshooting internet connection problems with the ARRIS SB6183 cable modem. Covers physical connections, LED verification, power resets, factory resets, and signal level checks.



Enabling IP Passthrough on the Arris BGW210

A technical guide detailing how to enable and configure IP Passthrough mode on the Arris BGW210 Internet Gateway. Covers prerequisites, IP Passthrough functionality, configuration steps via web interface (DHCP Dynamic, DHCP Fixed, Manual modes), and important restrictions.



[Yikong YK4107 1/10 Scale RC Rock Crawler 4WD Instruction Manual](#)

Comprehensive instruction manual for the Yikong YK4107 1/10 Scale RC Rock Crawler 4WD. Includes safety precautions, product specifications, transmitter functions, electronics connection, assembly instructions, and a detailed parts list.



YIKONG YK4107 1/10 Scale RC Rock Crawler Instruction Manual

Comprehensive instruction manual for the YIKONG YK4107 1/10 Scale RC Rock Crawler, covering safety precautions, product specifications, transmitter functions, electronics connection, driving instructions, and detailed assembly diagrams.