

## ARRIS WPL C24-1

# ARRIS WPL C24-1 RC Rock Crawler Instruction Manual

Model: WPL C24-1

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## 1. INTRODUCTION

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This manual provides essential instructions for the safe operation, setup, maintenance, and troubleshooting of your ARRIS WPL C24-1 RC Rock Crawler. Please read this manual thoroughly before using the product to ensure proper function and longevity.

# 1/16 RC ROCK CRAWLER

WPL  
C24-1



Highlight LED Lights



4WD



Off-Road Climbing



Rechargeable Battery

Image: The ARRIS WPL C24-1 RC Rock Crawler, showcasing its detailed design and robust tires.

## 2. SAFETY INFORMATION

Always operate the RC vehicle in a safe and responsible manner. Failure to follow these safety guidelines may result in injury or damage to the product or property.

- Keep hands, hair, and loose clothing away from moving parts.
- Do not operate near people, pets, or obstacles.
- Avoid operating in wet conditions or near water unless the product is specifically designed for it.
- Ensure batteries are charged correctly and handled with care.
- Adult supervision is recommended for users under 15 years of age.

## 3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- ARRIS WPL C24-1 RC Rock Crawler (1 unit)

- Remote Control Transmitter (1 unit)
- Rechargeable Battery (1 unit, 7.4V 500mAh)
- Charging Cable (1 unit)
- Instruction Manual (this document)

## 4. SETUP GUIDE

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### 4.1. Charging the Vehicle Battery

The vehicle battery (7.4V 500mAh) requires charging before first use. A full charge takes approximately 2 hours and provides about 30 minutes of operation.

1. Locate the battery compartment on the underside of the RC crawler.
2. Connect the rechargeable battery to the provided charging cable.
3. Plug the charging cable into a suitable USB power source (e.g., computer USB port, USB wall adapter).
4. The indicator light on the charging cable will show the charging status (refer to charger instructions for specific light patterns).
5. Once fully charged, disconnect the battery from the charger and install it into the vehicle's battery compartment.



Image: Underside of the RC crawler, highlighting the battery and chassis components.

### 4.2. Installing Remote Control Batteries

The remote control requires 1 C battery (included). Ensure correct polarity when installing.

1. Open the battery cover on the back of the remote control.
2. Insert the C battery according to the polarity markings (+/-).
3. Close the battery cover securely.

### 4.3. Pairing the Remote Control

The RC crawler and remote control are typically pre-paired. If re-pairing is necessary:

1. Turn on the RC crawler using the switch located on the chassis.
2. Turn on the remote control.

3. The indicator light on the remote control should stop flashing and remain solid, indicating a successful connection.
4. If the connection fails, turn both devices off and repeat the process.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Basic Controls

- **Throttle Trigger:** Pull to move forward, push to brake/reverse.
- **Steering Wheel:** Turn left to steer left, turn right to steer right.
- **Trim Adjustments:** Use the trim dials on the remote to fine-tune steering and throttle if the vehicle pulls to one side or moves without input.

### 5.2. Driving Tips

The ARRIS WPL C24-1 is designed for off-road crawling. Its 4WD system and independent suspension allow it to navigate various terrains.

- For optimal crawling, use slow and controlled throttle inputs.
- Experiment with steering angles to overcome obstacles.
- The vehicle features highlight LED lights for improved visibility in low-light conditions.



Image: The RC crawler navigating a challenging rocky path, demonstrating its off-road capabilities.

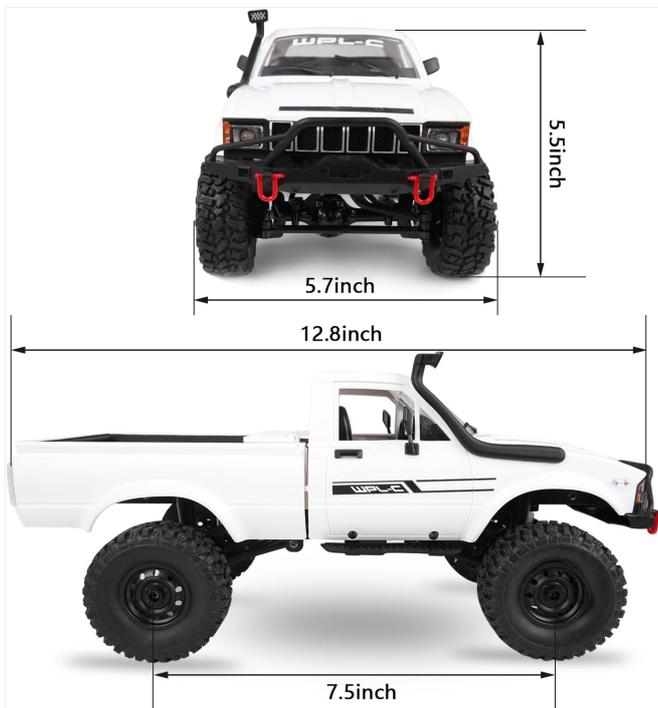


Image: The RC crawler traversing sandy terrain, showcasing its 4WD design.

## 6. MAINTENANCE

### 6.1. Cleaning

After each use, especially in dusty or dirty conditions:

- Use a soft brush or compressed air to remove dirt and debris from the chassis, wheels, and suspension.
- Wipe the body with a damp cloth. Do not use harsh chemicals.
- Ensure no moisture enters electronic components.

### 6.2. Battery Care and Storage

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

### 6.3. Component Inspection

Regularly inspect the following components for wear or damage:

- Wheels and tires for damage or excessive wear.
- Suspension components (shocks, springs, linkages).
- Steering mechanism for smooth operation.
- All screws and fasteners for tightness.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond.	Low vehicle battery; Low remote control battery; Not paired.	Charge vehicle battery; Replace remote control battery; Re-pair remote control.
Vehicle moves slowly or inconsistently.	Low vehicle battery; Obstruction in drivetrain; Motor issue.	Charge vehicle battery; Clear obstructions; Contact support if motor issue persists.

Problem	Possible Cause	Solution
Steering is erratic or unresponsive.	Steering trim incorrect; Damaged servo; Obstruction.	Adjust steering trim; Inspect servo for damage; Clear obstructions.
Short operating range.	Interference; Low remote control battery.	Move to an area with less interference; Replace remote control battery.

## 8. PRODUCT SPECIFICATIONS

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Feature	Detail
Model Number	WPL C24-1
Brand	ARRIS
Scale	1:16
Product Dimensions	12.2 x 5.78 x 4.44 inches
Item Weight	2.4 pounds
Material	ABS + Metal
Motor	180 Brushed Motor
Battery (Vehicle)	7.4V 500mAh (included)
Charging Time	Approx. 2 hours
Operating Time	Approx. 30 minutes
Remote Control Frequency	2.4 GHz
Control Distance	Over 35 meters
Max Speed	20 km/h
Recommended Age	15 years and up



Image: Side view of the RC crawler with key dimensions indicated.



Image: Detailed view of the RC crawler's chassis, showing components like the motor, suspension, and drive shafts.

## 9. WARRANTY AND SUPPORT

ARRIS products are manufactured to high-quality standards. For warranty information or technical support, please refer to the official ARRIS website or contact customer service through your purchase platform.

Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, please visit the [ARRIS Store on Amazon](#).

