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## ARRIS MN-82PRO

# ARRIS MN82 PRO LC79 RC Rock Crawler Instruction Manual

Model: MN-82PRO | Brand: ARRIS

## 1. INTRODUCTION

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Thank you for purchasing the ARRIS MN82 PRO LC79 RC Rock Crawler. This 1/12 scale 4x4 Toyota LC79 Off Road RC Pickup Truck is designed for enthusiasts seeking a realistic and high-performance off-road experience. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new RC crawler. Please read it thoroughly before first use.



*Image: The ARRIS MN82 PRO LC79 RC Rock Crawler, a 1/12 scale model of the Toyota LC79 pickup truck, shown in silver.*

## 2. SAFETY INFORMATION

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- **Age Recommendation:** This product is recommended for adults aged 16 and above. Adult supervision is advised for younger users.
- **Battery Safety:** Use only the provided charger and battery. Do not overcharge or short-circuit the battery. Disconnect the battery when not in use. Store batteries in a cool, dry place away from flammable materials.
- **Operating Environment:** Operate the RC crawler in open areas, away from people, pets, and obstacles. Avoid operating near water unless the product is specifically designed for waterproof use.
- **Maintenance:** Regularly inspect the vehicle for damage or loose parts. Perform maintenance as described in this manual.
- **Modifications:** Do not modify the product in any way not specified by the manufacturer. Unauthorized modifications may void the warranty and compromise safety.

## 3. PACKAGE CONTENTS

Your ARRIS MN82 PRO LC79 RC Rock Crawler package includes the following items:

- 1x MN82 PRO LC79 RC Rock Crawler (1/12 Scale)
- 1x 2.4GHz Remote Controller
- 1x 7.4V 500mAh Lithium-Ion Polymer Battery
- 1x USB Charging Cable
- 1x Instruction Manual
- Additional assembly parts (e.g., side mirrors, windshield wipers, decorative elements)
- Decorative stickers



*Image: The product box for the ARRIS MN82 PRO LC79 RC Rock Crawler, showing the truck and various included components.*

## 4. SETUP

### 4.1. Battery Charging

1. Connect the provided USB charging cable to the 7.4V 500mAh Li-Po battery.
2. Plug the USB end of the cable into a compatible USB power source (e.g., computer USB port, USB

wall adapter).

3. The indicator light on the charging cable will show the charging status (refer to charger instructions for specific light indications).
4. Charging typically takes approximately 1-2 hours. Do not leave the battery unattended while charging.

#### **4.2. Remote Controller Battery Installation**

The remote controller requires 2 AA batteries (not included).

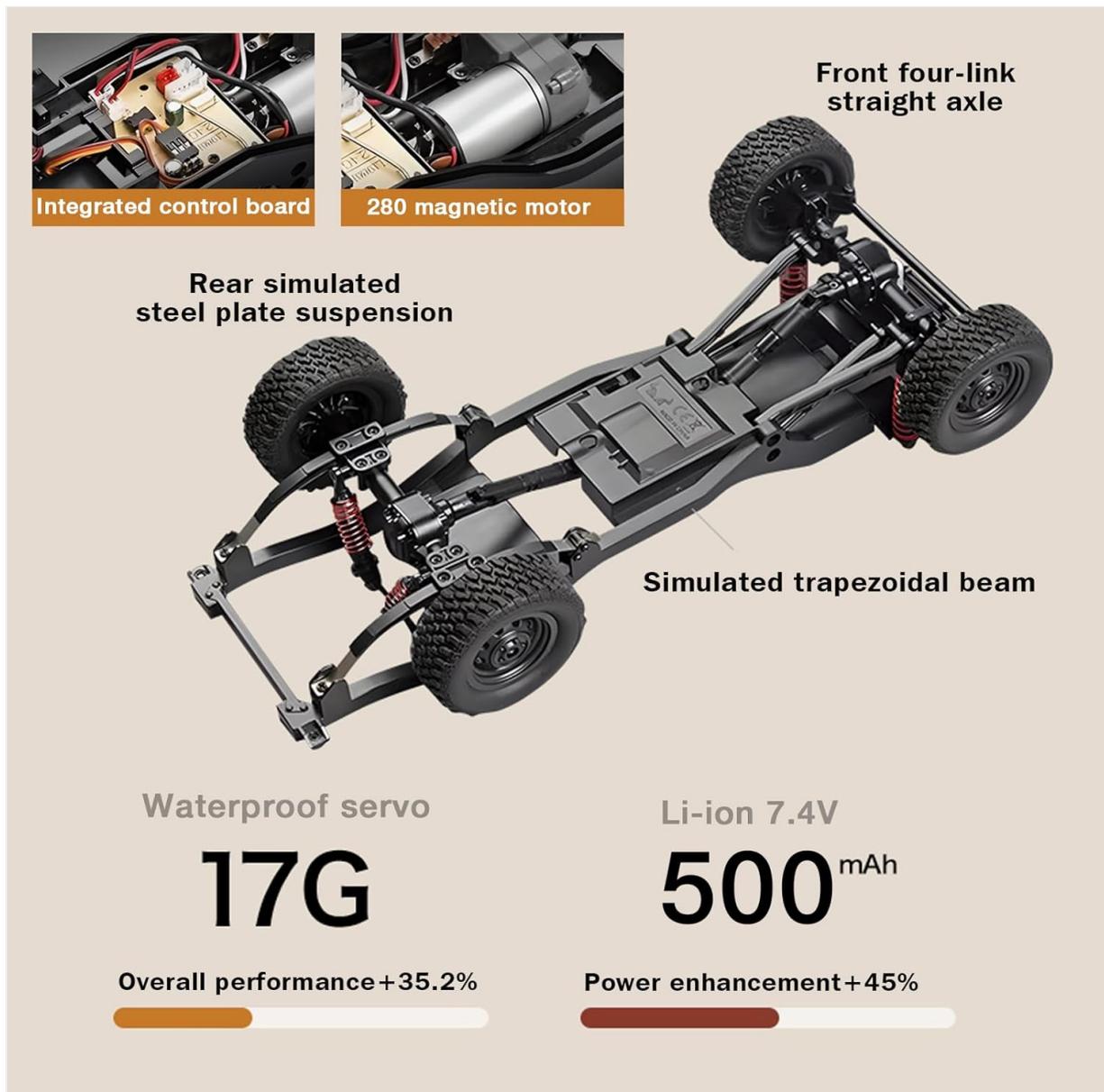
1. Open the battery compartment on the back of the remote controller.
2. Insert 2 AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment securely.

#### **4.3. RC Crawler Battery Installation**

1. Open the hood of the RC crawler.
2. Connect the fully charged 7.4V 500mAh Li-Po battery to the vehicle's power connector.
3. Carefully place the battery inside the compartment and close the hood.

#### **4.4. Attaching Accessories**

Attach the side mirrors, windshield wipers, and any other decorative elements or graphics as desired, following the visual guides in the manual or product images.



*Image: An exploded view of the RC crawler's chassis, highlighting the integrated control board, 280 magnetic motor, rear simulated steel plate suspension, simulated trapezoidal beam, 17G waterproof servo, and Li-ion 7.4V 500mAh battery.*

#### 4.5. Pairing Remote Controller and Vehicle

1. Turn on the RC crawler using the power switch located on the underside of the chassis.
2. Turn on the remote controller. The indicator light on the remote will flash.
3. Wait for a few seconds. The indicator light on the remote will become solid, indicating successful pairing.

*Video: A detailed overview of the MN-82S RC Crawler, including unboxing, assembly of small parts like mirrors and wipers, battery installation, and initial power-up. This video demonstrates the physical setup of the vehicle.*

## 5. OPERATING INSTRUCTIONS

### 5.1. Basic Controls

- **Throttle:** Pull the trigger on the remote controller to move forward. Push the trigger forward to reverse. The throttle is proportional, allowing for precise speed control.

- **Steering:** Turn the steering wheel on the remote controller left or right to steer the vehicle. The steering is also proportional for accurate maneuvering.

## 5.2. Speed Modes (Two-Speed Switching)

The MN82 PRO features a unique two-speed switching function, allowing you to adapt to different terrains and driving styles. Refer to your remote controller for the specific button to switch between speeds.

Typically, one press changes the gear, indicated by a light on the remote.

- **Low Speed:** Ideal for rock crawling, precise maneuvering, and overcoming challenging obstacles.
- **High Speed:** Suitable for faster driving on less demanding terrain.

## 5.3. Lighting System

The RC crawler is equipped with a realistic linkage lighting system. Use the designated button on your remote controller to cycle through or activate different lighting functions:

- Controllable Headlights
- Taillights
- Turn Signals
- Double Flash (Hazard Lights)
- Brake Light
- Reversing Light

# MN82 PRO

## UPGRADED LINKAGE LIGHTING SYSTEM



*Image: A visual representation of the MN82 PRO's advanced lighting system, detailing each functional light.*

*Video: The MN 82 RC Rock Crawler demonstrating its 4x4 capabilities, proportional throttle, and steering on various terrains, including climbing a 46-degree incline. This video highlights the vehicle's performance and control.*

*Video: The MN82 Remote Control Rock Crawler showcasing its high torque 280 motor and all-terrain capabilities, including navigating rocky and grassy environments. This video emphasizes the power and versatility of the RC truck.*

## 6. MAINTENANCE

- **Cleaning:** After each use, especially in dusty or muddy conditions, clean the vehicle with a soft brush or cloth. Avoid using water directly on electronic components.
- **Battery Care:** Always fully charge the battery before storage and discharge it to about 50% if storing for extended periods. Do not store fully charged or fully discharged.
- **Inspection:** Regularly check for loose screws, damaged parts, or worn tires. Replace any damaged components promptly.

- **Lubrication:** Periodically lubricate moving parts such as gears and universal joints with appropriate RC lubricant to ensure smooth operation and longevity.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to remote.	Low battery in vehicle or remote; Not paired; Power switch off.	Charge vehicle battery; Replace remote batteries; Ensure both are powered on and paired.
Vehicle runs slowly or lacks power.	Low vehicle battery; Obstruction in drivetrain; Incorrect speed mode.	Recharge vehicle battery; Check for debris; Switch to high-speed mode if applicable.
Steering is erratic or unresponsive.	Damaged servo; Loose steering components; Interference.	Inspect servo and connections; Tighten loose parts; Move to an area with less interference.
Lights are not working.	Loose connection; Damaged LED; Low battery.	Check light connections; Replace damaged LEDs; Ensure vehicle battery is charged.

## 8. SPECIFICATIONS

Feature	Specification
Brand Name	ARRIS
Model Name	MN 82PRO
Scale	1:12
Drive	4x4 Mid-Drive Transmission
Motor	280 Magnetic Motor
Servo	17g Waterproof Servo
Battery	7.4V 500mAh Lithium-Ion Polymer
Battery Life	45 min (approx.)
Speed	8km/h (approx.)
Climbing Performance	≤45° Ramp
Signal Distance	2.4G / 50m
Towing Capacity	1.5kg
Load Capacity	3kg
Power & Steering	≤30°
Material Type	Plastic

Feature	Specification
Item Dimensions	14.17 x 6.3 x 6.3 inches
Additional Features	Anti-Skid, Flashing Light, Realistic Sound, Remote Controlled, Shock Resistant

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or any inquiries regarding your ARRIS MN82 PRO LC79 RC Rock Crawler, please refer to the contact information provided on the product packaging or visit the official ARRIS website. Our support team is ready to assist you with any issues that may arise.