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› **LDARC X43 RTR Mini RC Crawler Instruction Manual**

## captainrc X43 RTR

# LDARC 1:43 Scale Mini RC Crawler Instruction Manual

Model: X43-Desert Yellow | Brand: captainrc

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your LDARC 1:43 Scale Mini RC Crawler. Please read this manual thoroughly before operating the product to ensure proper usage and to prevent damage.

## SAFETY INFORMATION

**WARNING:** This product is a mini RC climber intended for adult use. It contains small parts and is not suitable for children under 14 years of age. Always ensure proper supervision if used by minors.

- Always read the instruction manual before use.
- Clean the gear before use to prevent debris from affecting performance.
- Avoid continuous refueling or excessive force on the wheels, as this can cause damage to the car.
- Ensure the battery is charged in a safe environment, away from flammable materials.
- Do not use the product in environments with water, hair, or excessive dust.
- Avoid dropping the product from high places to prevent breakage.
- When the battery is low, the front and rear headlights will flash rapidly, and the vehicle will not move. This is a safety feature.

## WHAT'S IN THE Box

Upon opening the package, verify that all components are present and in good condition:

- 1 x LDARC 1:43 Scale Mini RC Crawler (X43-Desert Yellow)
- 1 x CT01 Remote Control Transmitter
- 1 x DIY Replaceable Body Shell (White)
- 1 x Built-in 230mAh LiPo Battery (for RC Car)
- 1 x 18650 Battery (for Remote Control)
- USB-C Charging Cable
- Stickers for customization
- Instruction Manual



Image: The complete package contents, showing the X43 RC Crawler, the CT01 remote control, an unpainted DIY body shell, and the product box.

## SETUP

### 1. Battery Installation and Charging

- RC Car Battery:** The 230mAh LiPo battery is built into the RC car. Connect the included USB-C charging cable to the car's charging port and a suitable USB power source (e.g., computer USB port, USB wall adapter). The charging indicator will show charging status. A full charge provides up to 80 minutes of operation.
- Remote Control Battery:** Install the provided 18650 battery into the CT01 remote control. The remote control also supports USB charging via its USB-C port.

### 2. Remote Control Overview



Image: Detailed diagram of the CT01 remote control, highlighting its various controls such as throttle trim, direction fine-tuning, speed and steering angle adjustments, light controls, charging indicator, USB-C port, and the main steering wheel and throttle trigger.

Familiarize yourself with the CT01 remote control's functions:

- **Throttle Trim:** Adjusts the neutral point of the throttle.
- **Direction Fine-tuning:** Adjusts the steering neutral point.
- **Speed Switch:** Selects between slow, middle, and quick speed modes.
- **Steering Angle Switch:** Selects between small, middle, and big steering angles.
- **Lights On/Off:** Controls the vehicle's lighting system.
- **Charging Indicator:** Shows battery status.
- **USB-C Port:** For charging the remote control.
- **Switch:** Power on/off for the remote control.
- **Steering Wheel:** Controls left/right steering.
- **Throttle Trigger:** Controls forward (pull) and reverse (push) movement.
- **High and Low Beams:** Controls headlight intensity.

- **Double Flash On/Off:** Activates/deactivates hazard lights.

### 3. Binding the Remote Control

The RC car and remote control are typically pre-bound from the factory. If re-binding is necessary, refer to the specific instructions provided in the included manual for the CT01 remote control. Ensure both devices are powered on and within range during the binding process.

## OPERATING INSTRUCTIONS

### 1. Basic Operation

- Power on the RC car and the remote control.
- Use the **Steering Wheel** to control the direction (left/right).
- Use the **Throttle Trigger** to control forward movement (pull) and reverse movement (push).

### 2. Advanced Features

- **Speed Adjustment:** Use the speed switch on the remote to select the appropriate speed mode (slow, middle, quick) for different terrains or skill levels.
- **Steering Angle Adjustment:** Adjust the steering angle (small, middle, big) to fine-tune maneuverability, especially in tight spaces or for precise crawling.
- **Lighting Control:** Utilize the dedicated buttons on the remote to turn lights on/off, switch between high/low beams, and activate/deactivate dual flashing lights (hazard lights). The vehicle features simulated lighting design including high/low beams, follow-on turn signals, and brake/reverse lights.



Image: The X43 Mini RC Crawler demonstrating its agility by traversing a detailed wooden bridge, showcasing its capability on varied terrain.

# RTR with CT01 remote control

Support 5 sets of model data, 8 channels, two-way return, 128\*64 dot matrix screen, USB charging, 1 18650 battery included



Image: The X43 Mini RC Crawler positioned on a natural rocky surface, highlighting its robust design and suitability for off-road crawling.



Image: A detailed view of the X43 Mini RC Crawler's lighting system, showing the illuminated headlights and taillights, emphasizing its realistic features.

## MAINTENANCE

- **Cleaning:** After each use, especially if used on dusty or dirty surfaces, gently clean the vehicle to remove any debris from the chassis, wheels, and gears. Use a soft brush or compressed air. Avoid using water directly on electronic components.
- **Battery Care:** For long-term storage, ensure the LiPo battery in the car is charged to approximately 3.8V (storage voltage) to maintain battery health. Do not fully discharge or overcharge the battery.
- **Storage:** Store the RC crawler and remote control in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Body Shell Replacement:** The product comes with a DIY replaceable body shell. To change the shell, carefully detach the current shell and attach the new one. This allows for customization and easy replacement if the original shell is damaged.



Image: The X43 Mini RC Crawler placed on a desk beside a ruler, illustrating its compact 1:43 scale size, suitable for indoor use.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to remote control.	RC car or remote control is off. Batteries are low or depleted. Not properly bound. Out of range.	Ensure both devices are powered on. Charge both the RC car and remote control batteries. Perform the binding procedure as per the remote control manual. Bring the RC car closer to the remote control.

Problem	Possible Cause	Solution
Vehicle moves slowly or erratically.	Low battery in RC car. Debris in gears or axles. Incorrect speed mode selected.	Recharge the RC car battery. Clean any debris from the moving parts. Adjust the speed switch on the remote control to a faster setting.
Headlights flashing rapidly and vehicle cannot move.	RC car battery low voltage alarm activated.	Recharge the RC car battery immediately.
Steering is not precise or car pulls to one side.	Steering trim needs adjustment. Debris affecting steering mechanism.	Use the direction fine-tuning knob on the remote control to adjust the steering trim. Inspect and clean the steering components.

## SPECIFICATIONS

Feature	Detail
Product Dimensions	8 x 8 x 6 inches
Item Weight	1.74 pounds
Model Number	X43 RTR
Recommended Age	15 years and up
RC Car Battery	Built-in 230mAh LiPo (included)
Remote Control Battery	1 Lithium Polymer battery (18650, included)
Battery Life (RC Car)	Up to 80 minutes
Remote Control Type	8-channel CT01 Transmitter with 128*64 dot matrix screen
Features	4x4 Drive, Simulated Lighting (high/low beams, turn signals, brake/reverse lights, dual flashing), Metal Wheels, Metal Gears, DIY Replaceable Body Shell

## WARRANTY AND SUPPORT

For any questions, technical support, or warranty claims, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific contact details and warranty terms.

Manufacturer: captainrc

