

## HAIBOXING 16889

# HAIBOXING RC Cars 16889 User Manual

Model: 16889 | Brand: HAIBOXING

## INTRODUCTION

Thank you for choosing the HAIBOXING 16889 RC Car. This 1:16 scale remote control car is designed for high-speed, all-terrain performance, reaching speeds up to 36km/h. It features a 4x4 drivetrain, durable construction, and advanced electronics for an exciting and reliable remote control experience. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your RC car.

## WHAT'S IN THE BOX

The HAIBOXING 16889 package includes all necessary components to get you started:

- HAIBOXING 16889 RC Car
- 2.4GHz Transmitter
- 2 x 7.4V 1000mAh Li-Polymer Batteries
- USB Charger
- Headlights (pre-installed or included for DIY)
- Body Clips (4 pieces)
- Instruction Manual (this document)
- DIY Sticker Sheet

# What's In The Box?



Image: All components included in the HAIBOXING 16889 RC Car package, neatly arranged. This includes the RC car, the 2.4GHz transmitter, two 7.4V 1000mAh Li-Po batteries, a USB charger, headlights, body clips, and a DIY sticker sheet.

## PRODUCT FEATURES

- **4x4 High-Speed Performance:** Equipped with a powerful brushed motor and two 7.4V 1000mAh batteries, this RC car can reach speeds up to 36km/h, providing an exhilarating experience for both kids and adults.
- **Advanced Maneuverability:** Features an upgraded 3-wire ESC receiver and 3-wire servo, paired with a 2.4GHz radio remote controller. This system ensures quick response and anti-interference control within a range of up to 250 feet, with two selectable speed modes.
- **All-Terrain Capability:** An independent suspension system provides excellent stability. The car boasts extraordinary grip and can climb slopes up to 45 degrees. Its IPX4 waterproof rating allows for driving in various terrains, including sand, rocks, and mud, complemented by high-performance shocks and heavy-duty wheels.
- **Durable Design:** Built for resilience, the car is designed to withstand impacts and rough handling, making it suitable for adventurous play.

- **Upgradable Components:** Many parts are replaceable and upgradable, allowing for customization and extended product life.

# IPX4 Waterproof

*Ensure Water Level Lower Than Bottom*



Image: The HAIBOXING 16889 RC car showcasing its IPX4 waterproof capability, driving through a shallow water puddle. The IPX4 rating ensures protection against splashing water from any direction.



# Upgraded Electronics

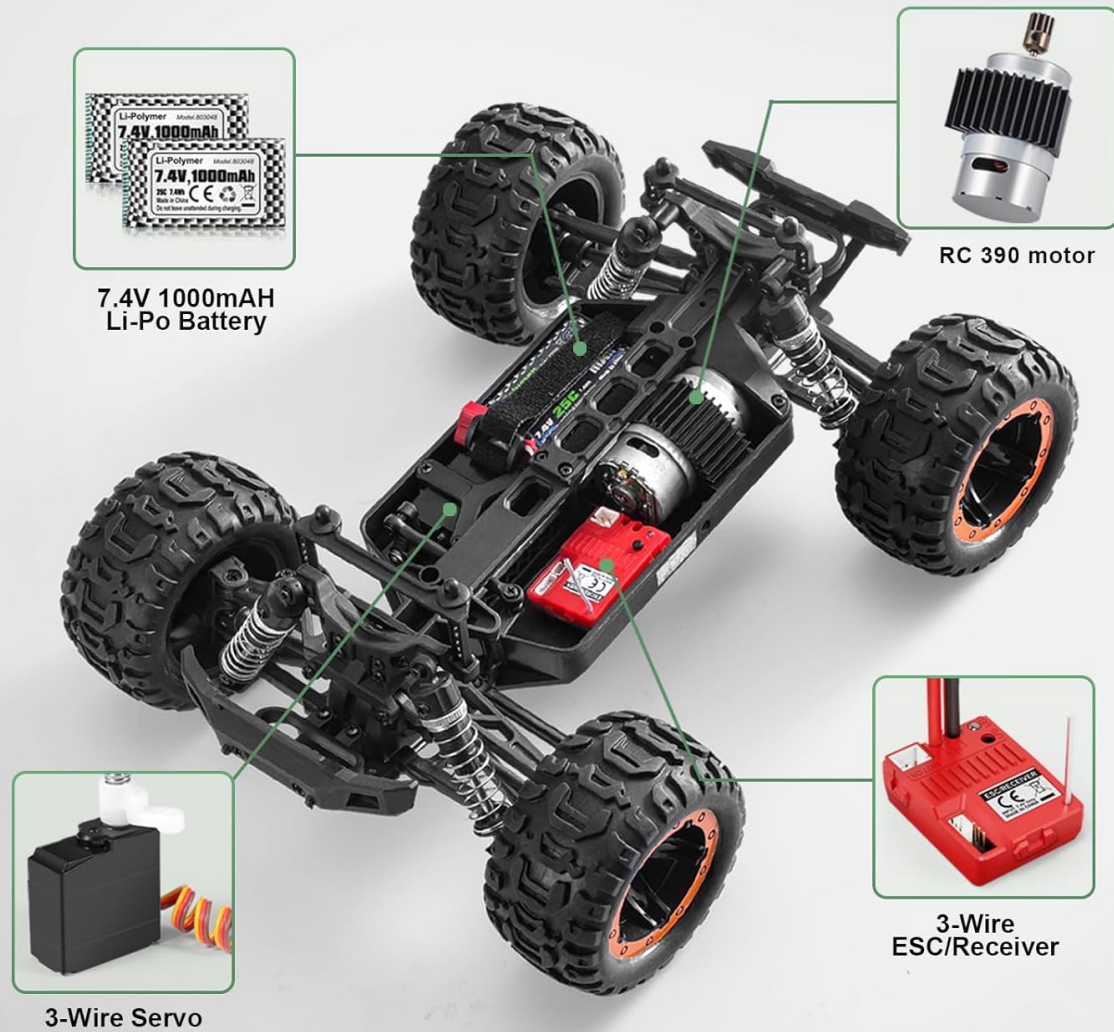


Image: An exploded view diagram highlighting the upgraded electronic components of the RC car. This includes the RC 390 motor, 7.4V 1000mAh Li-Po battery, 3-wire servo, and the 3-wire ESC/Receiver, all contributing to enhanced performance and control.

# 2.4Ghz Transmitter



Image: A detailed view of the 2.4GHz transmitter, illustrating its various controls. Key features include the steering wheel, trigger for acceleration/reverse, steering trim, power indicator, power ON/OFF switch, steering direction reverse switch, and an AUX. button. The diagram also indicates its anti-interference remote control capabilities.

## SETUP GUIDE

### 1. Charging the Battery

Before first use, fully charge the included Li-Po batteries. Connect the USB charger to a compatible USB power source (e.g., computer USB port, USB wall adapter). Connect the battery to the charger. The indicator light on the charger will show the charging status. Ensure the battery is fully charged before use for optimal performance and battery life.

### 2. Installing the Battery in the RC Car

1. Remove the body clips and lift the RC car body.
2. Locate the battery compartment.

3. Insert a charged 7.4V 1000mAh Li-Po battery into the compartment.
4. Connect the battery connector to the car's power connector.
5. Secure the battery within the compartment and reattach the car body with the body clips.

### 3. Installing Batteries in the Transmitter

The transmitter requires 3 AA batteries (not included). Open the battery compartment on the back of the transmitter and insert the batteries, observing correct polarity.

### 4. Pairing the Transmitter and Car

1. Ensure both the RC car and transmitter are turned off.
2. Turn on the transmitter. The power indicator light will blink.
3. Turn on the RC car. The car's indicator light will blink.
4. Wait a few seconds for the transmitter and car to automatically bind. Once successfully paired, both indicator lights will become solid.
5. If binding fails, turn off both devices and repeat the process.

## OPERATING INSTRUCTIONS

### Basic Controls

- **Steering Wheel:** Turn left or right to control the direction of the car.
- **Trigger:** Pull the trigger towards you to accelerate forward. Push the trigger away from you to brake or reverse.
- **Speed Selection Switch:** Adjust the speed mode (high/low) on the transmitter to suit your driving environment and skill level.
- **Steering Trim:** If the car does not drive straight when the steering wheel is centered, use the steering trim dial on the transmitter to fine-tune the steering.

### Driving Tips

- Always operate the RC car in an open area free from obstacles, people, and pets.
- Avoid driving in deep water or extremely muddy conditions despite the IPX4 rating, as prolonged exposure can damage electronics.
- Monitor battery levels. Reduced performance or erratic behavior may indicate a low battery.
- Practice gentle acceleration and braking to maintain control, especially at high speeds.

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Video: An official product video demonstrating the HAIBOXING 1/16 Scale RC Truck's high-speed capabilities and all-terrain performance. The video shows the truck navigating various outdoor environments, highlighting its agility and durability.

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Video: An official product video showcasing the HAIBOXING 16889 RC Truck in action. This clip highlights its speed and handling characteristics, providing a visual guide to its operational capabilities.

## MAINTENANCE

Regular maintenance will help prolong the life and performance of your HAIBOXING RC car:

- **Cleaning:** After each use, especially in dirty or wet conditions, clean the car to remove dirt, dust, and debris. Use a soft brush or compressed air for hard-to-reach areas. Avoid using water directly on electronics.
- **Inspecting Components:** Regularly check all screws, nuts, and bolts to ensure they are tight. Inspect the wheels, tires, suspension, and drivetrain for any signs of wear or damage.
- **Lubrication:** Periodically lubricate moving parts such as gears and bearings with appropriate RC-grade lubricant to reduce friction and wear.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge batteries. If storing for extended periods, charge them to approximately 50% capacity.
- **Part Replacement:** If any parts are damaged or worn out, replace them with genuine HAIBOXING spare parts to maintain optimal performance.

## TROUBLESHOOTING GUIDE

This section addresses common issues you might encounter with your HAIBOXING RC car.

### Quick Checks

Possible Causes	Solutions
Battery First	Always verify transmitter and vehicle battery power.
Binding	Ensure transmitter/receiver are paired (solid LED).
Listen/Inspect	Unusual noises or burnt smells indicate part failure.

If issues persist after these steps, focus on replacing the suspected faulty component (servo, ESC, motor, or drivetrain parts). Contact support if you need help diagnosing a specific part.

### Steering Not Working

Possible Causes	Solutions
Dead/Damaged Battery	Fully charge or replace the vehicle battery.
Incorrect Steering Trim	Adjust the steering trim until wheels are aligned.
Damaged Servo	If wheels don't turn but the car moves, replace the servo. Listen for grinding noises (indicating gear damage).

Possible Causes	Solutions
Broken Steering Components	Inspect and replace damaged parts (links, plates, servo arm, etc.).

The Car Doesn't Move

Possible Causes	Solutions
Transmitter Batteries Incorrect	Reinstall transmitter batteries properly.
Dead Vehicle Battery	Charge fully or replace. Check USB charger for damage.
ESC Low Voltage Cutoff	Let the battery cool, then recharge.
Not Bound to Transmitter	Rebind transmitter/receiver (LEDs should flash, then stay solid).
Loose/Damaged Wires or ESC	Check connections (servo, motor, ESC). Rebind or replace ESC if needed.
Motor Damage	Look for burns, broken wires, or debris. Replace if faulty.
Drivetrain Damage	Inspect gears, drive shafts, and outdrive cups. Replace damaged parts.

Loss of Control

Situation	Solutions
Vehicle moves on its own after powering on	Turn power off/on without moving trigger until binding complete. May need to replace ESC/receiver or transmitter if issue persists.
Vehicle suddenly loses control while driving.	Check for signal interference and sufficient battery power. Try driving in a new location. Replace ESC/receiver if issue persists.

SPECIFICATIONS

Attribute	Detail
Product Dimensions	11.69 x 10 x 6.5 inches
Item Weight	3.3 pounds
Country of Origin	China
Item Model Number	16889
Manufacturer Recommended Age	8 years and up
Batteries	2 Lithium Metal batteries required (included)
Manufacturer	HAIBOXING



## WARRANTY AND SUPPORT

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HAIBOXING stands behind its products and provides 24/7 after-sales service. If you encounter any problems with your product, please do not hesitate to contact us. We are committed to ensuring your satisfaction and will always stand behind our products.

For support, please refer to the contact information provided on the product packaging or the official HAIBOXING website.