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› [HAIBOXING 16890SA 1/16 Scale 4WD Brushless RC Truck Instruction Manual](#)

## **HAIBOXING 16890SA**

# **HAIBOXING 16890SA 1/16 Scale 4WD Brushless RC Truck Instruction Manual**

Model: 16890SA | Brand: HAIBOXING

## **INTRODUCTION**

This manual provides essential information for the setup, operation, and maintenance of your HAIBOXING 16890SA 1/16 Scale 4WD Brushless RC Truck. Please read this manual thoroughly before operating the vehicle to ensure proper function and safety.



Image: The HAIBOXING 16890SA 1/16 Scale 4WD Brushless RC Truck.

## SAFETY INFORMATION

### Important Safety Precautions:

- Disconnect and remove the battery pack from the vehicle when not in use. This prevents potential damage from a leaking rechargeable battery pack.
- To prolong battery life, avoid completely draining the battery. Fully charge the battery pack before each use.
- Do not leave the battery pack uncharged for extended periods.
- Store the battery pack in a dry, clean, and cool environment.
- This is a model-grade product. Read the user manual carefully before use to avoid potential damage, loss of control, or safety hazards.

## WHAT'S IN THE Box

Verify that all components are present upon unboxing:

- Remote Control
- 7.4V (2S) 1200mAh Li-Po Batteries (Two included; one pre-installed in vehicle, one in box)
- Product Manual
- USB Charging Cables (Two included)

- Screwdriver
- Paddle Tires (x4)
- Body Decals
- Wheelie Bar
- Small Cross Wrench
- Wheel Hex. Pins (x6)
- M4 Lock Nuts (x6)
- Body Clips (x4)
- Bind Plug



Image: Overview of the HAIBOXING 16890SA RC Truck and its included accessories.

## COMPONENTS OVERVIEW

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### Brushless Motor and Drivetrain

The HAIBOXING 16890SA is equipped with a 2840 3800KV brushless motor, providing efficient power delivery. The drivetrain features premium powdered metallurgy gears, metal universal driveshafts, and reinforced PA material for durability and high-speed performance.



Image: The HAIBOXING 16890SA RC Truck demonstrating its speed, highlighting the brushless motor and 4x4 off-road capabilities.

### Chassis and Suspension

The refined 4WD chassis includes front and rear independent suspension and full-metal oil-filled shocks for superior handling across various terrains. Ball bearings and metal ball studs are integrated throughout the drivetrain and moving joints for smooth operation.

# STUNNING 4WD DRIVE TRAIN

Reach new heights of power, traction, and speed.

## ELEVATED TO:

- Aluminum Body Threaded Oil Filled Shocks
- High Hardness Steel Spur Gear, Diff. Gears and Pinions
- Metal Drive Shafts, Metal Wheel Shafts, and Metal Outdrive Cups
- Rubber Sealed Ball Bearings Throughout
- Precise radio performance with separate brushless ESC and receiver.

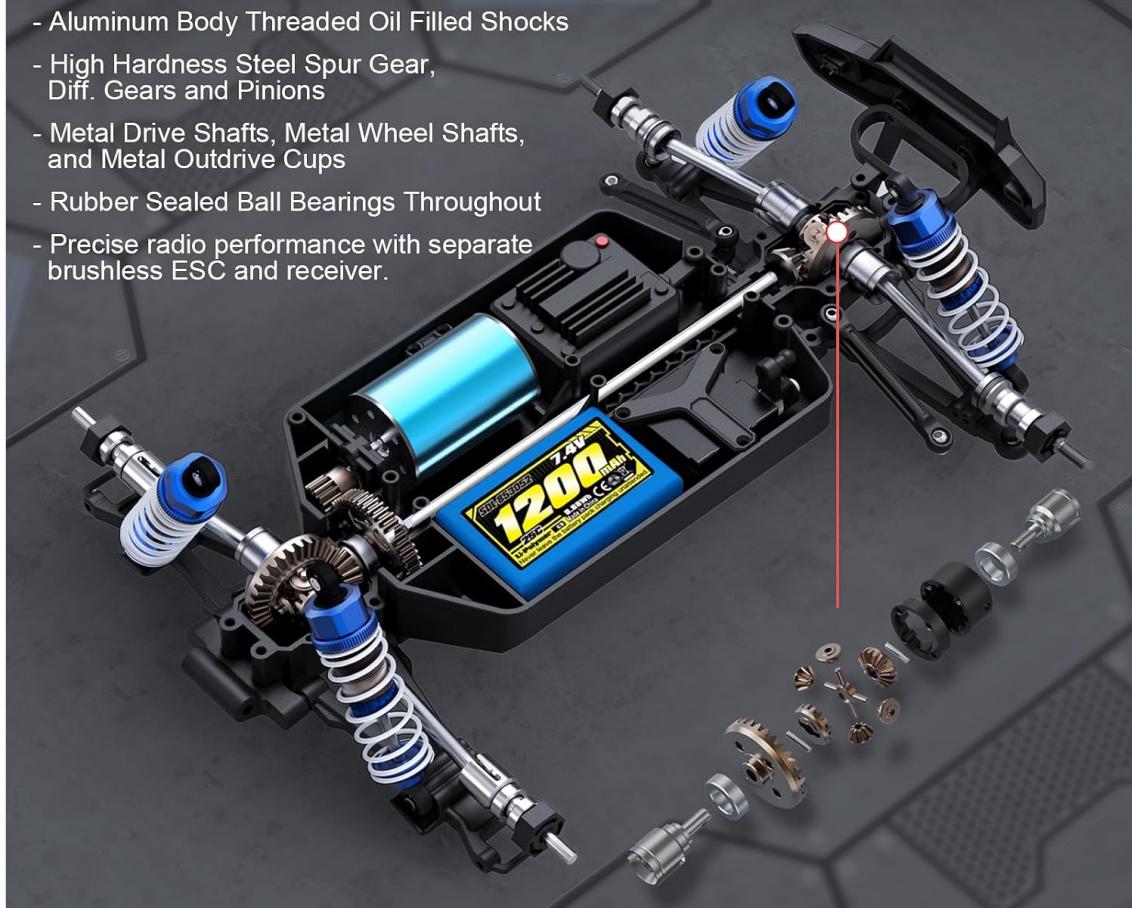


Image: Detailed view of the HAIBOXING 16890SA's internal components, showcasing the 4WD drivetrain, aluminum body threaded oil-filled shocks, and metal gears.

## Electronic System

The 2.4GHz remote control system provides a range of up to 330 feet. The electronic system features a separate receiver and a Hobbywing brushless ESC (Electronic Speed Controller) with water-resistant and thermal protection. It also includes motor anti-jam safeguards and low voltage alert indication.

## Body and Tires

The vehicle features a flexible 1mm thick PVC body and includes animated DIY decals for customization. It comes with sponge-inserted off-road tires and optional paddle tires, suitable for snowy and sandy surfaces. A wheelie bar is provided to enhance stability during rapid acceleration.

# DISTINCTIVE DETAILS

## Exquisite Parts



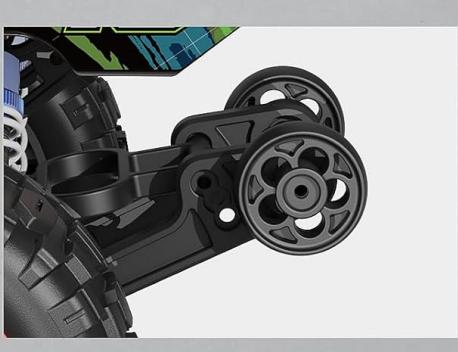
-Enhanced Performance With Separate ESC And Receiver.



-Paddle Tires Conquering The Challenging Sandy Terrain



-Aluminum Body Treaded Oil Fill Shocks Provide Excellent Suspension Performance.



-Optional Wheelie Provided For Thrilling Stunt And Perfect Balance

Image: Close-up details of the HAIBOXING 16890SA, showing the separate ESC and receiver, paddle tires for sand, aluminum oil-filled shocks, and the optional wheelie bar.

## SETUP

### Battery Installation

**Vehicle Battery:** The HAIBOXING 16890SA uses a 7.4V (2S) 1200mAh Li-Po battery. One battery is typically pre-installed. Ensure it is securely connected.

**Remote Control Batteries:** The remote control requires AA batteries (not included). Open the battery compartment on the remote and insert the batteries according to the polarity indicators.

### Charging Batteries

Use the provided USB charging cables. Connect the cables to a compatible USB power adapter (rated at 5V, 2A or lower, not included). Connect the other end to the Li-Po batteries. The two included USB cables allow for simultaneous charging of both batteries.

#### Caution:

- Always supervise batteries during charging.
- Do not charge damaged or swollen batteries.
- Charge batteries on a non-flammable surface away from combustible materials.

## Throttle Range Calibration (ESC Setup)

To ensure the ESC (Electronic Speed Controller) matches the throttle range of your transmitter, calibration is necessary. This procedure should be performed when using a new ESC, a new transmitter, or after adjusting EPA/ATV parameters.

1. **Transmitter Preparation:** Switch off the ESC. Turn on the transmitter. Set the throttle channel direction to "forward" and "reverse". Disable the "ABS" brake function on your transmitter.
2. **Enter Calibration Mode:** Hold the "SET" button on the ESC. While holding, switch on the ESC. Release the "SET" key immediately once the red LED begins to flash.
3. **Set Three Points:** Follow the visual cues from the ESC's LED indicators to set the three throttle points:
  - **Neutral Point:** With the throttle trigger at neutral, press the "SET" button. The green LED will flash once.
  - **End Point of Forward Direction:** Pull the throttle trigger to its maximum forward position, then press the "SET" button. The green LED will flash twice.
  - **End Point of Backward Direction:** Push the throttle trigger to its maximum backward position, then press the "SET" button. The green LED will flash three times.
4. **Completion:** Once the calibration process is finished, the motor will start after 3 seconds.

### Note:

If you do not release the "SET" key after the red LED begins to flash, the ESC will enter program mode. In such a case, switch off the ESC and re-calibrate the throttle range from step A to D.



Image: Visual guide for calibrating the ESC throttle range, showing transmitter positions and corresponding LED feedback.

## OPERATING INSTRUCTIONS

### Basic Controls

- **Throttle Trigger:** Pull the trigger towards you to accelerate forward. Push the trigger away from you to brake, and push again for reverse.
- **Steering Wheel:** Turn the steering wheel left or right to control the vehicle's direction.

### Driving Tips

- Start with gentle throttle inputs to familiarize yourself with the vehicle's response.
- Practice steering in open areas before attempting more complex maneuvers.
- The vehicle is designed for all terrains. Adjust your driving style based on the surface (e.g., loose dirt, grass, sand).

### Speed Performance

With the included 7.4V (2S) Li-Po batteries, the truck can reach speeds over 28 mph (45 km/h). For increased performance, equipping the vehicle with a 3S battery (not included) can enable speeds surpassing 40 mph (64 km/h).

## MAINTENANCE

### Cleaning

- After each use, especially in dirty or wet conditions, clean the vehicle to remove dirt, dust, and debris.
- Use a soft brush or compressed air to clean hard-to-reach areas.
- Wipe down the body and chassis with a damp cloth. Ensure all electronic components are dry before storage or next use.

### Inspecting Components

- Regularly check for loose screws, damaged parts, or worn tires.
- Inspect the suspension components, driveshafts, and gears for any signs of wear or damage.
- Ensure battery connectors are clean and free from corrosion.

### Storage

- Store the vehicle in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries from both the vehicle and the remote control before long-term storage.
- Store Li-Po batteries at a storage voltage (typically around 3.8V per cell) to maintain their health.

## TROUBLESHOOTING

| Problem                             | Possible Cause   | Solution  |
|-------------------------------------|--|---|
| Vehicle does not respond to remote. | Low battery in vehicle or remote.<br>Vehicle and remote not paired.<br>Power switch off. | Charge/replace batteries.<br>Perform pairing procedure (refer to remote control manual).<br>Ensure power switches are ON. |
| Reduced speed or run time.          | Battery not fully charged.<br>Battery degradation.<br>Motor/drivetrain friction.         | Fully charge battery.<br>Consider replacing old batteries.<br>Clean and lubricate moving parts.                           |
| Steering issues.                    | Steering trim incorrect.<br>Damaged steering servo.<br>Obstruction in steering linkage.  | Adjust steering trim on remote.<br>Inspect and replace servo if necessary.<br>Clear any obstructions.                     |

## SPECIFICATIONS

- **Product Dimensions:** 12 x 8.6 x 4.5 inches
- **Item Weight:** 1.92 pounds
- **Item Model Number:** 16890SA
- **Manufacturer Recommended Age:** 8 years and up
- **Batteries:** 1 Lithium Polymer battery required (included, 7.4V 1200mAh)
- **Motor:** 2840 3800KV Brushless Motor
- **ESC:** Hobbywing Brushless ESC (water-resistant, thermal protection)
- **Remote Control System:** 2.4GHz
- **Top Speed (2S Battery):** Over 28 mph (45 km/h)
- **Top Speed (3S Battery, not included):** Over 40 mph (64 km/h)



## READY TO RUN OUT OF BOX

ONLY BATTERIES FOR THE REMOTE NOT INCLUDED



Experience unrivaled excitement with smooth acceleration, immense traction, and all-terrain capability. Get ready for driving adventures that you have never had before. Embrace the thrill that awaits you.

Image: Dimensions of the HAIBOXING 16890SA RC Truck, showing its length, width, and height.

## WARRANTY AND SUPPORT

The HAIBOXING 16890SA includes a **3-Month Protection Plan** for factory-defective RC parts. For warranty claims or technical support, please contact the seller via Amazon Messages for prompt

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Manufacturer: Shantou Haiboxing Technology&Education Model Co., Ltd.

## Related Documents - 16890SA

|  |   |
|--|---|
|  | <p><a href="#"><u>Four Wheel Drive Electric Power Race Truck Instruction Manual</u></a></p> <p>Instruction manual for the Four Wheel Drive Electric Power Race Truck, model 903. Includes setup, operation, maintenance, and troubleshooting.</p>   |
|  | <p><a href="#"><u>Request for Confidentiality - Shantou Haiboxing Technology &amp; Education Model Co., Ltd.</u></a></p> <p>Request for confidentiality for FCC ID 2A2XW-LS113, submitted by Shantou Haiboxing Technology &amp; Education Model Co., Ltd. This document outlines the reasons for withholding specific attachments from public disclosure, citing proprietary information and competitive advantage.</p> |
|  | <p><a href="#"><u>Shantou Haiboxing Remote Control Car Test Report - RF Exposure Compliance</u></a></p> <p>This report details the RF exposure compliance testing for the Shantou Haiboxing remote control car, model LS-T3A-TBX and its variants, conducted according to FCC regulations.</p>  |
|  | <p><a href="#"><u>Haiboxing Toys Factory Agent Authorization Letter for FCC Applications</u></a></p> <p>Agent authorization letter from Haiboxing Toys Factory, designating Joey Leung of TÜV Rheinland Hong Kong Ltd. to act on their behalf for FCC applications, certifying compliance with federal benefit regulations.</p>   |