

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

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.

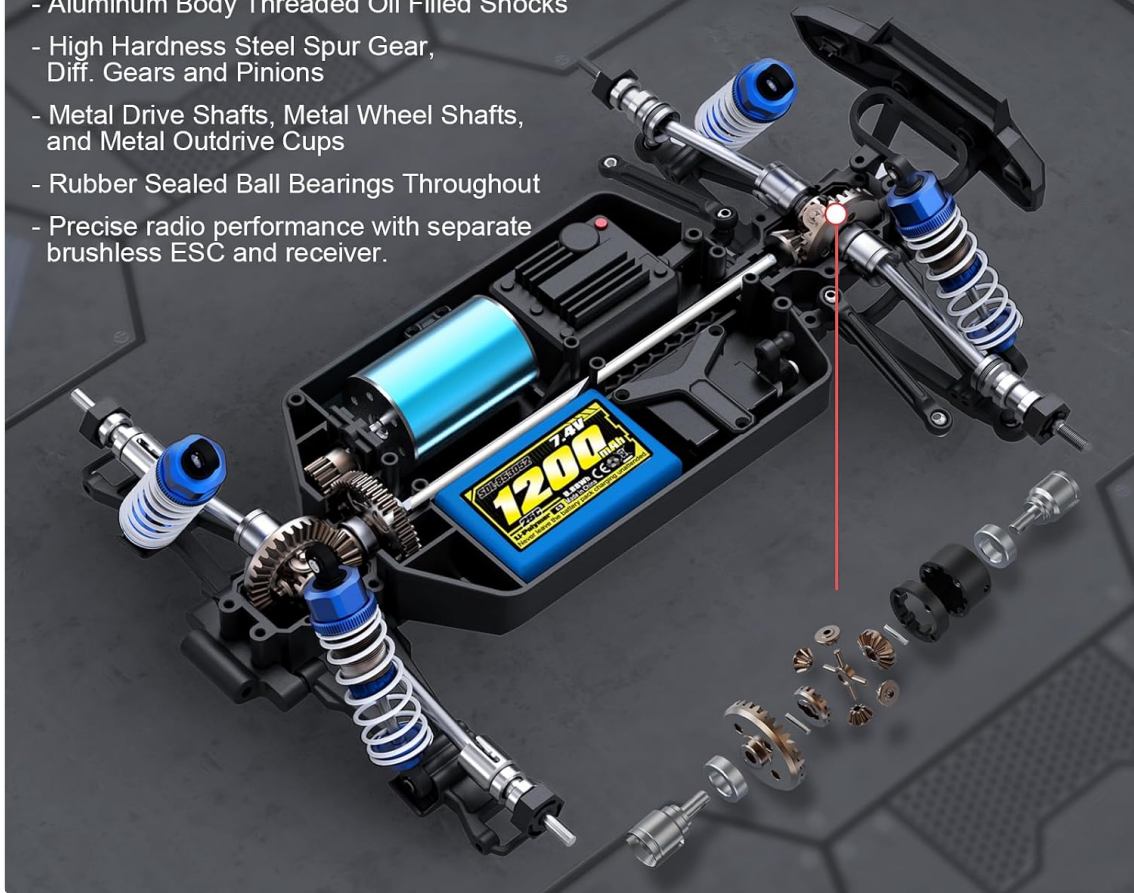


Image: Detailed view of the HAIBOXING 16890SA's internal components, showcasing the 4WD drivetrain, aluminum body threaded oil-filled shocks, and metal gears.

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

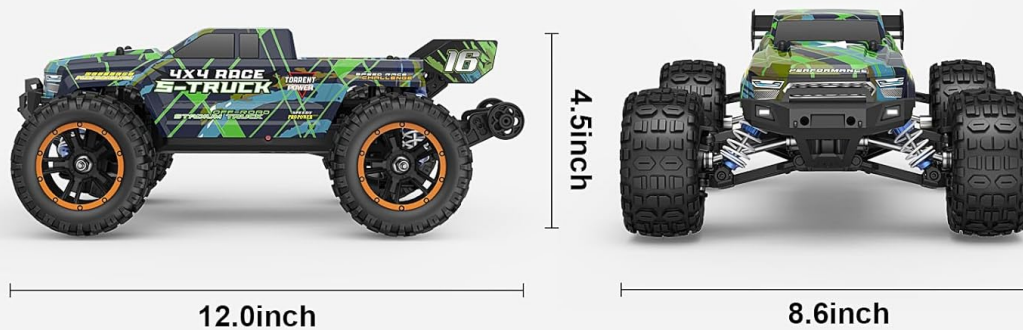
- Store the vehicle in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries from both the vehicle and the remote control before long-term storage.
- Store Li-Po batteries at a storage voltage (typically around 3.8V per cell) to maintain their health.

TROUBLESHOOTING

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

service.

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

Related Documents - 16890SA

	<p>Four Wheel Drive Electric Power Race Truck Instruction Manual</p> <p>Instruction manual for the Four Wheel Drive Electric Power Race Truck, model 903. Includes setup, operation, maintenance, and troubleshooting.</p>
	<p>Request for Confidentiality - Shantou Haiboxing Technology & Education Model Co., Ltd.</p> <p>Request for confidentiality for FCC ID 2A2XW-LS113, submitted by Shantou Haiboxing Technology & Education Model Co., Ltd. This document outlines the reasons for withholding specific attachments from public disclosure, citing proprietary information and competitive advantage.</p>
	<p>Shantou Haiboxing Remote Control Car Test Report - RF Exposure Compliance</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>Haiboxing Toys Factory Agent Authorization Letter for FCC Applications</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>