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- > HAIBOXING 3100A 1:14 Scale 4WD Brushless RC Short-Course Truck Instruction Manual

#### **HAIBOXING 3100A**

# HAIBOXING 3100A 1:14 Scale 4WD Brushless RC Short-Course Truck Instruction Manual

Model: 3100A

## 1. Introduction

This manual provides essential information for the safe and effective operation and maintenance of your HAIBOXING 3100A 1:14 Scale 4WD Brushless RC Short-Course Truck. This high-performance remote control vehicle is designed for off-road enthusiasts, featuring a powerful brushless motor, durable components, and versatile terrain capabilities. Please read this manual thoroughly before operating the vehicle.



Image 1.1: The HAIBOXING 3100A RC Short-Course Truck, including the remote control and two Li-Po batteries.

# 2. SAFETY INFORMATION

To ensure safe operation and prolong the life of your RC truck, observe the following safety guidelines:

- Always disconnect and remove the battery pack from the vehicle when not in use to prevent damage from battery discharge or leakage.
- Avoid completely draining the battery pack during use, as this can shorten its lifespan.
- 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 product is recommended for RC players aged 14 or above.

# 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Remote Control Transmitter
- HAIBOXING 3100A RC Short-Course Truck

- Two 7.4V 1200mAh Li-Po Batteries (one installed, one spare)
- Two USB Charging Cables
- Screwdriver
- Instruction Manual

# 4. PRODUCT OVERVIEW

The HAIBOXING 3100A is engineered for robust off-road performance. Key features include:

- Brushless Motor System: Equipped with a 2840 KV3800 brushless motor and a Hobbywing Brushless ESC for high speed and efficiency.
- **Durable Construction:** Features powdered metallurgy gears, metal drive shafts, and aluminum oil shocks for enhanced durability across various terrains.
- Advanced Suspension: Traditional short-course truck structural design with front independent suspension and a rear axle, complemented by an anti-roll sway bar for stability.
- **Realistic Design:** Full rear roll cage with two authentic spare tires and illuminating front and taillights for a realistic appearance and nighttime visibility.
- **High-Grip Tires:** Off-road tires with foam sponges inserted, paired with a thickened PVC truck body for aggressive driving.

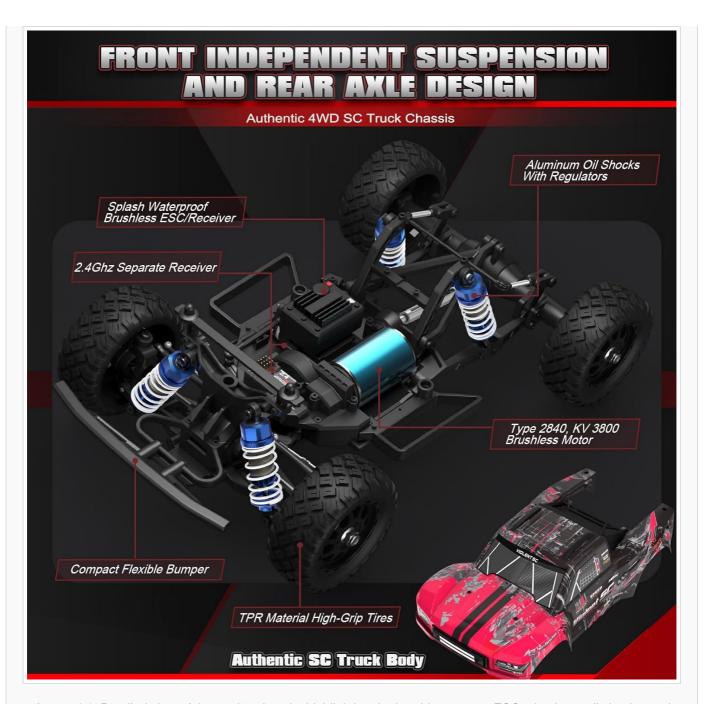


Image 4.1: Detailed view of the truck's chassis, highlighting the brushless motor, ESC, aluminum oil shocks, and high-grip tires.

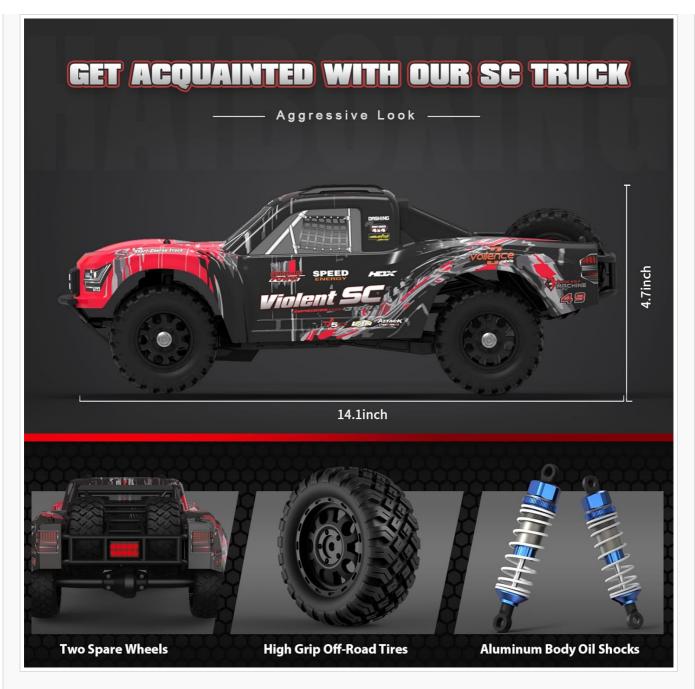


Image 4.2: Side profile of the HAIBOXING 3100A, illustrating its dimensions, rear roll cage with spare tires, and aluminum oil shocks.

# 5. SETUP

# **5.1 Battery Charging**

The HAIBOXING 3100A includes two 7.4V 1200mAh Li-Po batteries and two USB charging cables. Use a smartphone adapter (rated at 5V, 2A or lower) to charge the batteries. The charging process allows for simultaneous charging of both batteries.

- 1. Connect the USB charging cable to a compatible USB power source.
- 2. Connect the battery to the charging cable.
- 3. The indicator light on the USB cable will show the charging status. Refer to the charger's instructions for specific light indications (e.g., red for charging, green for fully charged).

# **5.2 Battery Installation**

For the Vehicle:

- 1. Remove the body clips and lift the truck body to access the battery compartment.
- 2. Place a charged 7.4V 1200mAh Li-Po battery into the enlarged battery compartment.
- 3. Secure the battery and reattach the truck body with the body clips.

#### For the Remote Control Transmitter:

- 1. Open the battery compartment cover on the back of the transmitter.
- 2. Insert the required batteries (typically AA, not included) according to the polarity markings.
- 3. Close the battery compartment cover.

## 5.3 Transmitter Overview and Binding

The 2.4GHz remote control system provides a range of up to 330 feet.



Image 5.1: The 2.4GHz transmitter with labeled components including steering wheel, throttle trigger, and various trim/D/R adjustments.

#### **Transmitter Controls:**

• Steering Wheel: Controls left and right steering.

- Throttle Trigger: Controls forward, brake, and reverse.
- Steering Trim (ST.TRIM): Adjusts the neutral steering position.
- Steering D/R (ST.D/R): Adjusts the maximum steering angle.
- Throttle Trim (TH.TRIM): Adjusts the neutral throttle position.
- Throttle Reverse (TH.REV): Reverses throttle direction.
- Power Indicator: Shows battery status (low power indicated by blinking).
- ON/OFF Power Switch: Turns the transmitter on or off.

#### **Binding Procedure:**

Typically, the truck and transmitter come pre-bound. If re-binding is necessary:

- 1. Ensure both the truck and transmitter are powered off.
- 2. Turn on the transmitter.
- 3. Turn on the truck. The indicator lights on both devices should show a successful connection (refer to the specific manual for light patterns).
- 4. If binding fails, repeat the steps or consult the detailed instruction manual for your specific model.

## 6. OPERATION

#### **6.1 Basic Controls**

- Forward/Brake/Reverse: Pull the throttle trigger towards you to accelerate forward. Push it away from you for braking, and push it again for reverse.
- Steering: Turn the steering wheel left or right to control the direction of the truck.

## **6.2 Driving Tips**

The HAIBOXING 3100A is designed for versatile off-road performance:

- Off-Road Terrain: The robust suspension and high-grip tires make it suitable for sandy areas, off-road gravel, and even cement roads.
- **Speed:** Achieve speeds of 38mph (60km/h) with a compatible 3S Li-Po battery pack. With the included 2S battery, it reaches 42 km/h.
- Night Driving: Utilize the illuminating front and taillights for visibility during low-light conditions.



Image 6.1: The HAIBOXING 3100A demonstrating its off-road capability on a sandy terrain.



Image 6.2: The HAIBOXING 3100A navigating through shallow water, highlighting its splash-waterproof electronics.

#### 6.3 Official Product Videos

#### HAIBOXING 1/14th Scale Brushless RC Cars Violent SC 3100A

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Video 6.1: An overview of the HAIBOXING 3100A, showcasing its features and performance in various environments.

Equipped with a 2840 KV3800 brushless motor, separate receiver, Hobbywing Brushless ESC, and an enlarged battery compartment, this aggressive offroad 4WD truck can reach an impressive top speed of 38mph (60km/h) when paired with a compatible 3S Li-Po battery pack.

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# 7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your HAIBOXING 3100A:

- Cleaning: After each use, especially after driving in dirt or wet conditions, clean the truck to remove debris. Use a soft brush or compressed air.
- Component Check: Periodically inspect the metal drive shafts, powdered metallurgy gears, and aluminum oil shocks for any signs of wear or damage. Ensure all screws are tight.
- Battery Care: Follow the safety guidelines in Section 2 for proper battery handling, charging, and storage.

# 8. TROUBLESHOOTING

If you encounter issues with your HAIBOXING 3100A, consider the following:

#### • No Power/Unresponsive:

- Ensure both the vehicle and transmitter batteries are fully charged and correctly installed.
- Verify the truck and transmitter are properly bound (refer to Section 5.3).

#### · Limited Range:

- Check for interference from other 2.4GHz devices.
- Ensure the transmitter's power indicator is not blinking, indicating low battery.

#### · Motor Issues:

 The Hobbywing brushless ESC includes motor anti-jam safeguards. If the motor stops, check for obstructions or overheating.

#### Low Voltage Alert:

• If the truck exhibits a low voltage alert indication, immediately stop operation and charge the battery.

#### • Physical Damage:

 Collisions can occasionally lead to unexpected damage. For technical support regarding repairs or replacement parts, please contact the seller.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	3100A
Scale	1:14
Drive System	4WD
Motor Type	2840 KV3800 Brushless Motor

ESC	Hobbywing Brushless ESC (Water-resistant, Thermal Protection)
Max Speed (with 2S Battery)	42 km/h (approx. 26 mph)
Max Speed (with 3S Battery)	60 km/h (approx. 38 mph)
Batteries Included	Two 7.4V 1200mAh Li-Po batteries
Remote Control Frequency	2.4GHz
Remote Control Range	Up to 330 feet
Product Dimensions	11.2 x 8.4 x 4.1 inches
Item Weight	1.92 pounds
Recommended Age	14 years and up
Manufacturer	Shantou Haiboxing Technology&Education Model Co., Ltd.

# 10. WARRANTY AND SUPPORT

For technical assistance, warranty claims, or inquiries regarding replacement parts, please contact the seller directly. Provide your product model number (3100A) and a detailed description of the issue to facilitate support.

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#### **Related Documents - 3100A**



#### Four Wheel Drive Electric Power Race Truck Instruction Manual

Instruction manual for the Four Wheel Drive Electric Power Race Truck, model 903. Includes setup, operation, maintenance, and troubleshooting.



#### Request for Confidentiality - Shantou Haiboxing Technology & Education Model Co., Ltd.

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.



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MATRIX TECHNOLOGY INC. offers a comprehensive product manual detailing their range of DC linear power supplies, AC power sources, electronic loads, digital multimeters, oscilloscopes, and other precision test and measurement instruments.