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HAIBOXING 18859, 18859A

HAIBOXING 1:18 Scale RC Car Bundle Instruction Manual

Models: 18859 (Brushed) & 18859A (Brushless)

1. INTRODUCTION

This manual provides essential information for the safe operation, setup, and maintenance of your HAIBOXING 1:18 Scale RC Car Bundle. This bundle includes two distinct models: the 18859 brushed truck and the 18859A brushless truck. Please read this manual thoroughly before operating your RC vehicles to ensure proper function and longevity.



Image: The HAIBOXING 18859 and 18859A RC trucks in action on an off-road surface.

2. SAFETY PRECAUTIONS

Operating remote control vehicles requires caution. Failure to follow safety guidelines can result in injury or damage to the product or property.

- Always operate the RC car in open areas, away from people, pets, and obstacles.

- Do not operate near public roads, power lines, or water bodies.
- Keep hands, hair, and loose clothing away from moving parts.
- Ensure batteries are charged correctly and handled according to their instructions. Improper battery use can lead to fire or explosion.
- Do not touch the motor or electronic speed controller (ESC) immediately after use, as they may be hot.
- Adult supervision is recommended for users under 14 years of age.
- The vehicles are splash-waterproof (IPX4), but not fully submersible. Avoid deep water.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- HAIBOXING 18859 Brushed RC Truck (1:18 Scale)
- HAIBOXING 18859A Brushless RC Truck (1:18 Scale)
- 2.4 GHz Remote Controller (for each truck)
- Rechargeable Li-Po Battery Packs (multiple included for extended runtime)
- USB Chargers (for Li-Po batteries)
- Additional Truck Shell (for customization, typically with brushless model)
- User Manual



Image: Overview of the HAIBOXING RC Car Bundle contents, including both trucks, remote controllers, batteries, and chargers.

4. PRODUCT OVERVIEW

The HAIBOXING RC Car Bundle offers two high-performance 1:18 scale 4WD off-road vehicles, each with distinct characteristics.

4.1. Model 18859 (Brushed Truck)

- **Motor:** High-torque 380 brushed motor
- **Speed:** Up to 36 KPH (22 mph)
- **Features:** Independent suspension, classic ball bearings, metal drivetrain components, high-grip off-road tires.

4.2. Model 18859A (Brushless Truck)

- **Motor:** 2435 KV3300 brushless motor
- **Speed:** Up to 48 KPH (30 mph)

- **Upgraded Features:** Enhanced Ackerman steering system, aluminum oil-filled shocks, full metal gears, 3-wire metal gear servo.

4.3. Common Features

- **Drive:** Full 4WD capability
- **Electronics:** IPX4 splash-waterproof ESC and receiver
- **Chassis:** Solid chassis design for stability
- **Control:** Proportional 2.4 GHz radio system
- **Durability:** Flexible yet strong PVC/PA66 bodies, built-in ESC protections (over-current, overheat, anti-block, low-voltage cutoff).

SHAFT DRIVE 4WD CHASSIS

380 Brushed Motor
M1828

Splash Waterproof ESC
M1829T

Metal Gear Servo
M1907

Spur Gear
M1812

High Grip Knobby Tires
M1820

Metal Shafts
M1817

Adjustable Shock Absorbers
M1810

Differential Complete
M1811

7.4V 850mAh Li-Po Battery
M1831

UPGRADE PARTS

- M1882 & 18HOP1
- M1901 & M1902
- M16150
- M1903 & M1885

Image: Detailed diagram of the shaft drive 4WD chassis, highlighting key components such as the 380 brushed motor, splash waterproof ESC, Li-Po battery, adjustable shock absorbers, and high-grip knobby tires.

Upgraded to Brushless Version

Highlighted Equipments:

- *Brushless ESC and Motor*
- *Full Aluminum Oil Shocks*
- *Steel Gear Diff./Spur Gears*
- *Steel Drive Shafts/Outdrive Cups*
- *3-Wire Metal Gear Servo*

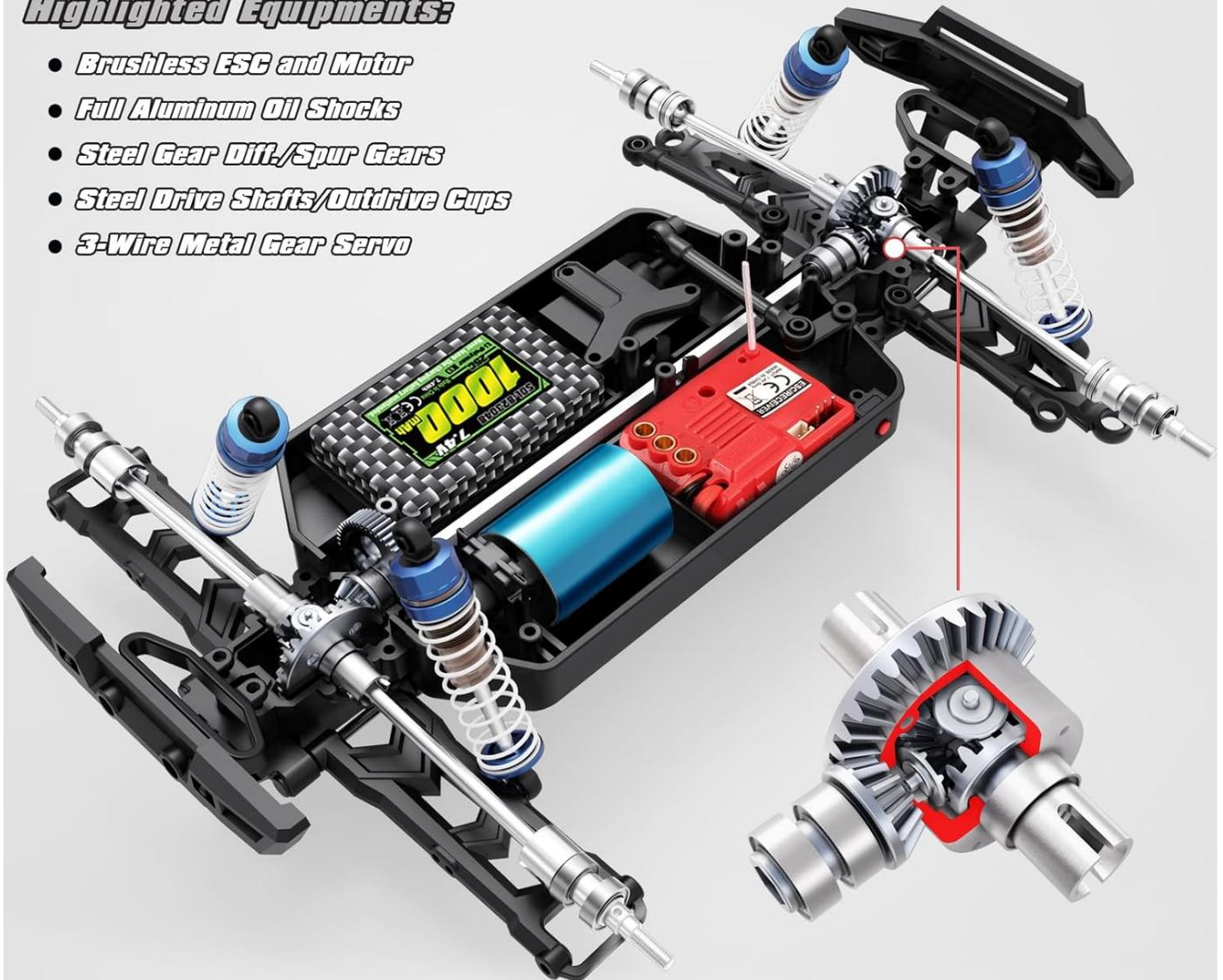


Image: Illustration of the upgraded components in the brushless version, including the brushless ESC and motor, full aluminum oil shocks, steel gear differential/spur gears, steel drive shafts, and a 3-wire metal gear servo.

5. SETUP

5.1. Charging the Li-Po Battery

1. Connect the Li-Po battery to the provided USB charger.
2. Plug the USB charger into a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. The charger's indicator light will show the charging status (refer to charger's specific instructions for light patterns).
4. Once fully charged, disconnect the battery from the charger. Do not overcharge.

5.2. Installing the Vehicle Battery

1. Remove the body shell from the RC truck.
2. Securely place the charged Li-Po battery into the battery compartment.

3. Connect the battery connector to the ESC connector. Ensure correct polarity.
4. Reattach the body shell.

5.3. Installing Transmitter Batteries

1. Open the battery compartment on the bottom of the remote controller.
2. Insert the required batteries (typically AA, not always included) according to the polarity markings.
3. Close the battery compartment cover.

5.4. Transmitter Overview and Binding

The 2.4 GHz transmitter provides proportional control. If the truck and transmitter are not already bound, follow these steps:

1. Turn on the transmitter.
2. Turn on the RC truck.
3. The transmitter and receiver should automatically bind. If not, refer to the specific binding instructions in the small manual included with the product.



2.4GHZ FULL-FUNCTION PROPORTIONALREMOTE CONTROL SYETEM

Slow/Fast
Speed Switch

22kph/36kph

Steering Reverse Switch

Steering Trim

Steering Wheel

Trigger

Power ON/OFF Switch

Battery Compartment



Image: The 2.4GHz full-function proportional remote control system, illustrating the steering wheel, trigger, power switch, battery compartment, and speed switch.



2.4Ghz Transmitter



Conducting a control range for over 350 feet



- | | | |
|------------------------------|-------------------------------------|---|
| 1 Steering Wheel | 5 Steering Reverse | 9 Speed Tuning |
| 2 Throttle Trigger | 6 Power Indicator(Low Power) | 10 Throttle Reverse |
| 3 Battery Compartment | 7 ON/OFF Power Switch | 11 Power Indicator(Full Pwer) |
| 4 Steering Trim | 8 Steering D/R | 12 Bind/Mode (Disabled for this car) |

Image: Detailed view of the 2.4GHz transmitter, labeling controls such as Steering Wheel (1), Throttle Trigger (2), Battery Compartment (3), Steering Trim (4), Steering Reverse (5), Power Indicator (Low Power) (6), ON/OFF Power Switch (7), Steering D/R (8), Speed Tuning (9), Throttle Reverse (10), Power Indicator (Full Power) (11), and Bind/Mode (12).

6. OPERATING INSTRUCTIONS

6.1. Basic Controls

- **Throttle Trigger:** Pull to accelerate forward. Push to brake, then push again for reverse.
- **Steering Wheel:** Turn left or right to steer the vehicle.
- **Speed Switch (on transmitter):** Adjusts the maximum speed of the vehicle. Use lower speeds for beginners or in confined spaces.

6.2. Driving Tips

- Start with slow speeds to get accustomed to the controls.

- Practice steering and throttle control in an open, clear area.
- Avoid sudden stops or turns at high speeds to prevent rollovers.
- Monitor battery levels. Performance will decrease as the battery drains.
- The IPX4 rating means the electronics are protected against splashes. Avoid driving through deep puddles or submerging the vehicle.



Image: The HAIBOXING RC truck demonstrating its off-road capability, highlighting the 2KG torque proportional metal gear servo and high-grip knobby tires.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your RC vehicles.

- **Cleaning:** After each use, especially off-road, clean dirt and debris from the chassis, suspension, and wheels using a soft brush or compressed air. Avoid using water directly on electronics.
- **Inspection:** Regularly check for loose screws, damaged parts, or worn tires. Tighten screws as needed.

- **Lubrication:** Periodically lubricate moving parts like universal joints and gears with RC-specific grease or oil.
- **Battery Care:** Store Li-Po batteries in a cool, dry place at a storage voltage (typically around 3.8V per cell) if not used for extended periods. Never fully discharge or overcharge Li-Po batteries.
- **Part Replacement:** All replacement parts are available for purchase. Refer to the parts diagram (if included) for specific part numbers.

8. TROUBLESHOOTING

If you encounter issues, refer to the common problems and solutions below:

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter.	Low battery in vehicle or transmitter; Not bound; Power switch off.	Charge vehicle battery; Replace transmitter batteries; Ensure both power switches are ON; Re-bind transmitter and receiver.
Vehicle runs slowly or has reduced range.	Low vehicle battery; Interference; Motor/ESC overheating.	Charge vehicle battery; Move to an area with less interference; Allow components to cool down.
Steering is erratic or unresponsive.	Steering trim incorrect; Damaged servo; Loose steering linkage.	Adjust steering trim on transmitter; Inspect servo and linkage for damage or looseness.
Motor stops or stutters.	Overheat protection activated; Low voltage cutoff; Debris in motor.	Allow motor/ESC to cool; Charge battery; Check motor for obstructions.

9. SPECIFICATIONS

Feature	HAIBOXING 18859 (Brushed)	HAIBOXING 18859A (Brushless)
Scale	1:18	
Drive System	4WD (Shaft Drive)	
Motor Type	380 Brushed Motor	2435 KV3300 Brushless Motor
Max Speed	36 KPH (22 mph)	48 KPH (30 mph)
Control System	2.4 GHz Proportional Radio	
Control Range	Up to 280 ft (85 meters)	Up to 330 ft (100 meters)
Waterproof Rating	IPX4 (Splash-waterproof electronics)	
Shocks	Plastic Oil-filled Shocks	Aluminum Oil-filled Shocks
Gears	Metal Drivetrain Components	Full Metal Gears
Battery Life	Up to 40 minutes (with multiple battery packs)	

10. WARRANTY AND SUPPORT

HAIBOXING products are designed for durability and performance. For any issues not covered in the troubleshooting section, or for inquiries regarding replacement parts, please contact HAIBOXING customer support. All replacement parts are generally available for purchase through authorized retailers.

Please retain your proof of purchase for any warranty claims.