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› [HOBAO](#) /

› [Hobao OFNA Hyper VS 1:8 RTR RC Buggy User Manual](#)

## HOBAO Hyper VS

# Hobao OFNA Hyper VS 1:8 RTR RC Buggy User Manual

Model: Hyper VS

## 1. INTRODUCTION

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The Hobao OFNA Hyper VS 1:8 RTR RC Buggy is a high-performance, ready-to-run remote-controlled vehicle designed for both club racing and off-road recreational use. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Hyper VS buggy. Please read this manual thoroughly before operating the vehicle to ensure proper handling and to prevent damage or injury.

## 2. SAFETY PRECAUTIONS

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Operating remote-controlled vehicles requires adherence to strict safety guidelines to prevent accidents and ensure the longevity of your product. Always prioritize safety.

- Always operate the RC buggy in open areas away from people, pets, and obstacles.
- Never operate the vehicle near public roads, water bodies, or in crowded areas.
- Ensure all batteries are fully charged and properly installed before use.
- Do not touch moving parts, such as wheels or gears, while the vehicle is powered on.
- Keep fingers, hair, and loose clothing away from rotating components.
- Turn off the vehicle and transmitter when not in use or when performing maintenance.
- Store the vehicle and batteries in a cool, dry place, away from direct sunlight and heat sources.
- Adult supervision is recommended for users under the age of 14.

## 3. PRODUCT OVERVIEW AND COMPONENTS

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Familiarize yourself with the main components of your Hobao Hyper VS buggy.



Figure 3.1: The Hobao Hyper VS 1:8 RTR RC Buggy, showcasing its blue and white body design and robust off-road tires.



Figure 3.2: Top-down view of the Hyper VS chassis with the body removed, revealing the internal layout including the battery tray, ESC, motor, and servo.



Figure 3.3: Side profile of the Hyper VS buggy, highlighting its sleek body lines and suspension system.

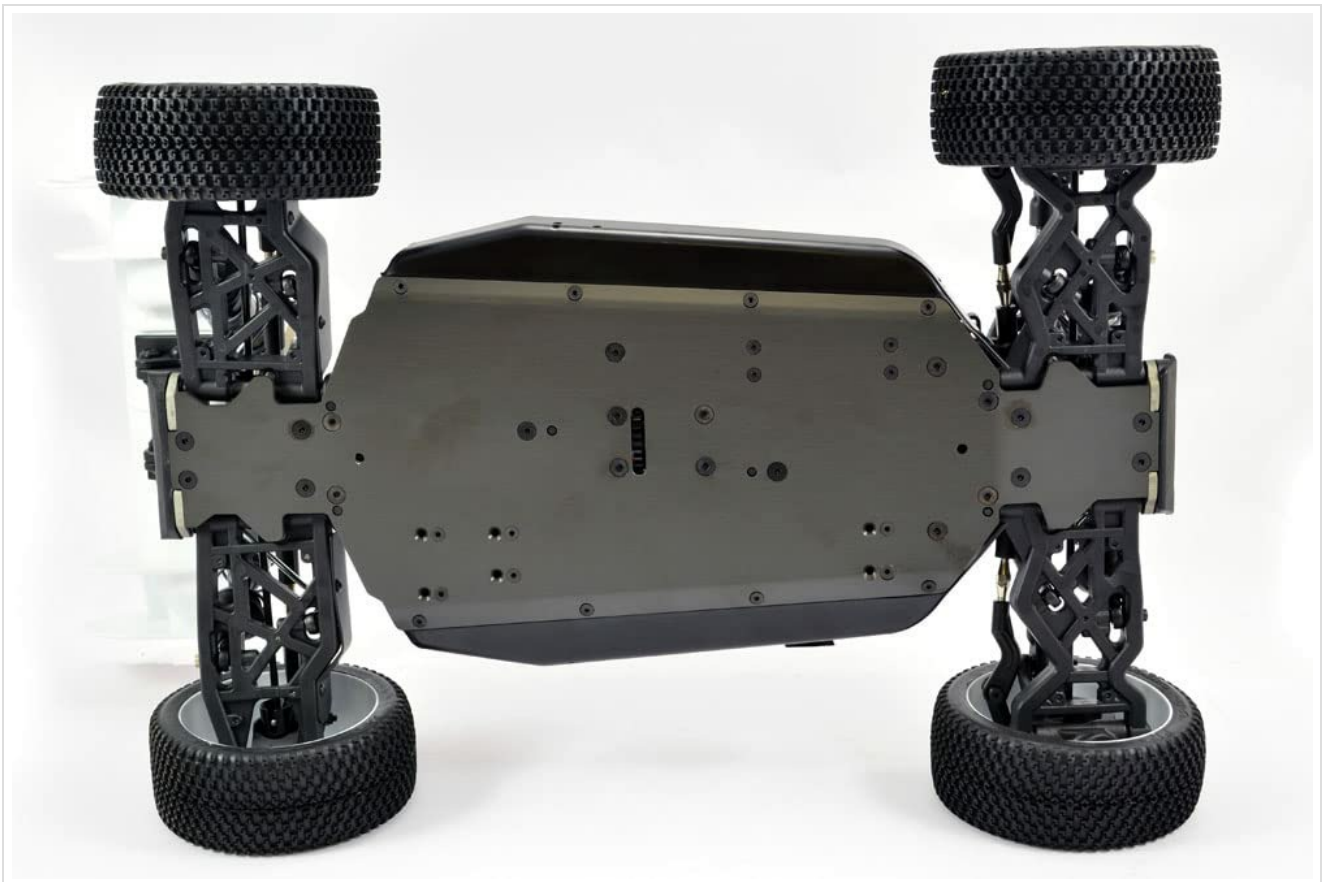


Figure 3.4: The durable aluminum chassis of the Hyper VS, viewed from underneath, showing its protective design.



Figure 3.5: Close-up view of the front suspension system, including the shocks and control arms, designed for absorbing impacts.

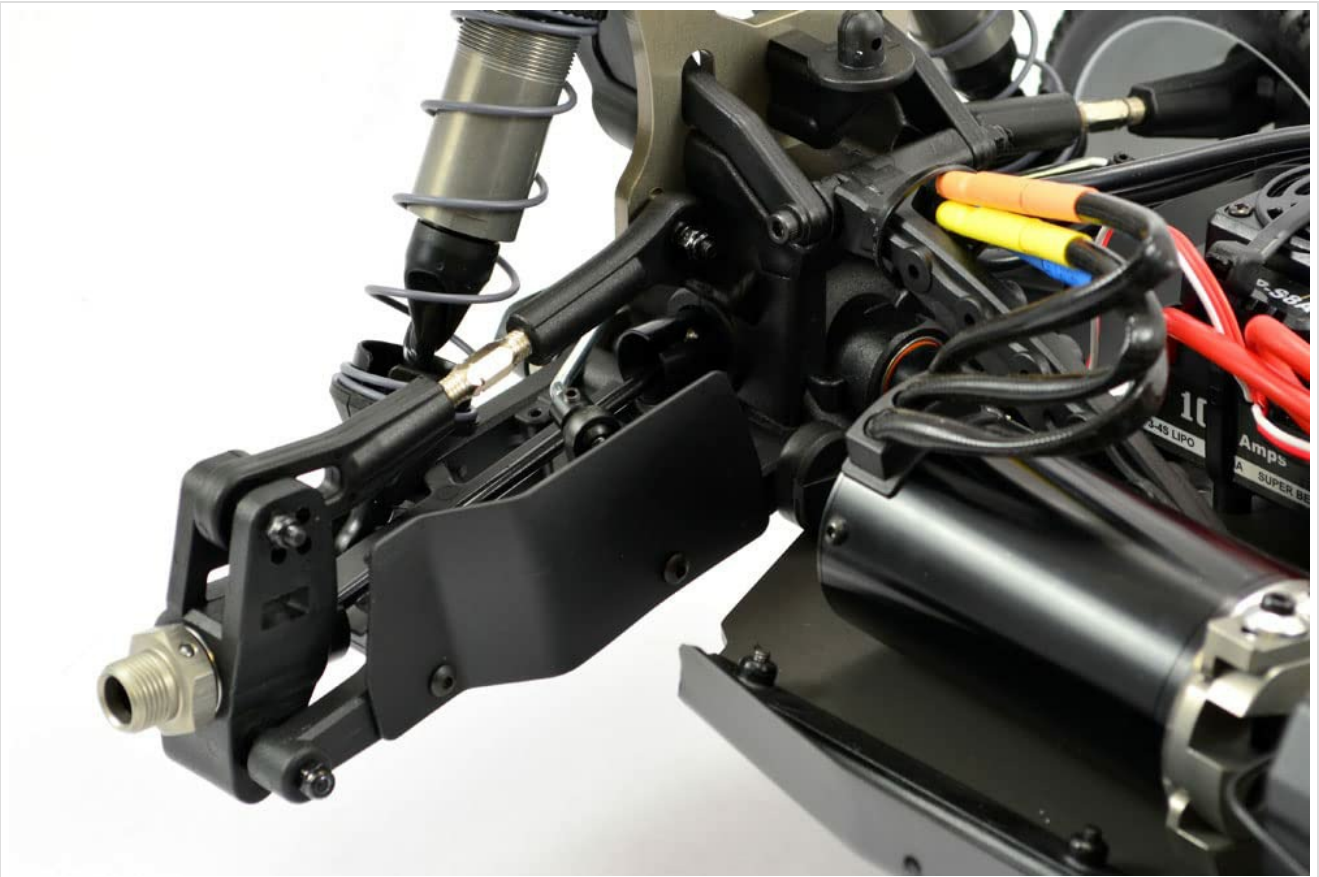


Figure 3.6: Detailed view of the rear section, highlighting the motor, drive shaft, and rear suspension components.



Figure 3.7: The robust front shock tower, a key component for structural integrity and suspension performance.



Figure 3.8: The 2.4GHz radio transmitter, providing precise control over the Hyper VS buggy.

## 4. SETUP

Follow these steps to prepare your Hyper VS buggy for its first run.

1. **Battery Installation (Vehicle):** The Hyper VS requires a compatible LiPo battery (not included). Carefully open the battery compartment, connect the battery to the ESC (Electronic Speed Controller) using the appropriate connector, and secure the battery with the provided Velcro straps. Ensure the battery is fully charged before installation.
2. **Transmitter Battery Installation:** Install the required batteries (typically AA size, not included) into the transmitter. Observe correct polarity.
3. **Binding (if necessary):** Your RTR (Ready-To-Run) model should come pre-bound. If not, refer to the separate transmitter manual for binding instructions.
4. **Initial Checks:** Before powering on, ensure all screws are tight, wheels are securely attached, and suspension moves freely. Check for any visible damage.

## 5. OPERATING INSTRUCTIONS

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Once set up, you are ready to operate your Hyper VS buggy.

- **Power On Sequence:** First, turn on the transmitter. Then, turn on the power switch on the vehicle's ESC.
- **Steering Control:** Use the steering wheel on the transmitter to control the direction of the buggy (left/right).
- **Throttle Control:** Use the trigger on the transmitter to control speed. Pull the trigger for forward motion, push for brake/reverse.
- **Driving Environment:** Operate the buggy on suitable surfaces such as dirt tracks, grass, or paved areas free of debris. Avoid water and extreme temperatures.
- **Power Off Sequence:** Always turn off the vehicle's ESC first, then turn off the transmitter. This prevents accidental acceleration.

## 6. MAINTENANCE

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Regular maintenance will extend the life and performance of your Hyper VS buggy.

- **Cleaning:** After each use, especially in dirty conditions, clean the buggy using a soft brush or compressed air to remove dirt and debris from the chassis, suspension, and drivetrain. Avoid using water directly on electronics.
- **Inspection:** Regularly inspect all screws, nuts, and bolts for tightness. Check the condition of tires, shocks, and suspension arms for wear or damage.
- **Lubrication:** Apply appropriate RC-specific lubricant to moving parts such as universal joints and gearboxes as needed. Avoid over-lubrication.
- **Battery Care:** Follow the manufacturer's guidelines for charging, discharging, and storing your LiPo batteries. Never overcharge or over-discharge.
- **Motor and ESC:** Keep the motor and ESC free from dirt and ensure proper ventilation to prevent overheating.

## 7. TROUBLESHOOTING

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Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Vehicle does not respond	Low battery in vehicle or transmitter; Not powered on; Not bound	Charge/replace batteries; Ensure both vehicle and transmitter are on; Re-bind transmitter and receiver.

Problem	Possible Cause	Solution
Poor range or intermittent control	Interference; Low transmitter battery; Antenna issues	Move to an open area; Replace transmitter batteries; Check antenna for damage.
Motor runs but wheels don't turn	Stripped gears; Loose driveshaft; Damaged differential	Inspect gears and driveshafts; Replace damaged components.
Vehicle pulls to one side	Steering trim incorrect; Damaged steering linkage; Uneven suspension	Adjust steering trim on transmitter; Inspect steering components; Check shock oil and spring tension.
ESC/Motor overheating	Overgeared; Continuous heavy load; Poor ventilation	Check gearing; Allow components to cool; Ensure proper airflow around ESC and motor.

## 8. SPECIFICATIONS

Key technical specifications for the Hobao Hyper VS 1:8 RTR RC Buggy.

Feature	Detail
Brand	HOBABO
Model Name	Hyper VS
Scale	1:8
Operation Mode	Remote Control
Main Material	Aluminum
Color	Blue
Item Weight	5 Kilograms
Manufacturer Recommended Age	14 years and up
Battery(s) / Cell(s) Required	Yes (Not Included)
Special Feature	2.4GHz Radio, High-End Brushless Motor
ESC	100A Waterproof Hobbywing Brushless System
Servo	Heavy-duty steering servo
Chassis	New hard anodized chassis design
Shock Towers	New 4mm front and 3mm rear towers
Suspension Arms	New reinforced front and rear arms

## 9. WARRANTY INFORMATION

This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for

any warranty claims. For detailed warranty information, refer to the documentation included with your product packaging or contact the retailer where the product was purchased.

## 10. SUPPORT

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For technical assistance, spare parts, or further inquiries regarding your Hobao Hyper VS 1:8 RTR RC Buggy, please contact your authorized Hobao dealer or the retailer from whom you purchased the product. They will be able to provide specialized support and guidance.