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HYPER GO H16DR

HYPER GO H16DR 1:16 Scale RC Car Instruction Manual

Model: H16DR | Brand: HYPER GO

INTRODUCTION

This instruction manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your HYPER GO H16DR 1:16 Scale Remote Control Car. Please read this manual thoroughly before operating the vehicle to ensure proper usage and to maximize its lifespan.



Figure 1: The HYPER GO H16DR RC car and its included accessories, including the remote control, batteries, and spare shocks.

SAFETY PRECAUTIONS

Operating remote control vehicles requires caution. Adhere to the following safety guidelines:

- Always operate the RC car in open areas, away from people, pets, and obstacles.
- Do not operate near public roads, water bodies, or electrical lines.
- Ensure the battery is fully charged before use and disconnect it when not in use.
- Use only the provided charging cable and LiPo batteries. Improper charging or battery types can cause fire or injury.
- Keep fingers, hair, and loose clothing away from moving parts.
- Adult supervision is recommended for users under 14 years of age.
- If the vehicle becomes stuck, do not force it. Turn off the remote and the vehicle, then retrieve it manually.
- The LiPo battery features a flame-retardant material shell for enhanced safety. Always store batteries in a cool, dry place.



Figure 2: The LiPo battery with flame-retardant casing, designed for enhanced safety during operation and storage.

WHAT'S IN THE BOX

Verify that all components are present upon unboxing:

- 1 x HYPER GO H16DR RC Truck (RE353 Smart ESC installed)
- 1 x T3A 2.4Ghz 3-Channel Radio Remote Control
- 2 x 2S 7.4V 1050mAh 25C LiPo Battery
- 1 x Head-up Wheel Kit
- 1 x USB Charging Cable
- 1 x Screwdriver
- 1 x Product Manual (this document)



Figure 3: Contents of the HYPER GO H16DR package, including the truck, remote, batteries, and essential tools.

SETUP GUIDE

1. Charging the LiPo Battery

Before first use, fully charge both LiPo batteries using the provided USB charging cable. Connect the USB cable to a compatible USB power source (e.g., computer USB port, USB wall adapter) and then to the battery. The charging indicator will show the charging status (refer to charger's specific light indicators).

- Charging time may vary depending on the power source.
- Do not leave batteries unattended while charging.
- Disconnect the battery once fully charged.

2. Installing the Battery in the RC Truck

Carefully open the battery compartment on the underside of the truck. Insert a charged LiPo battery, ensuring the

connectors align. Securely close the compartment.

3. Remote Control Setup and Pairing

Install 3x AA batteries (not included) into the remote control. Turn on the remote control first, then turn on the RC truck. The remote and truck should automatically pair. If pairing fails, refer to the troubleshooting section.

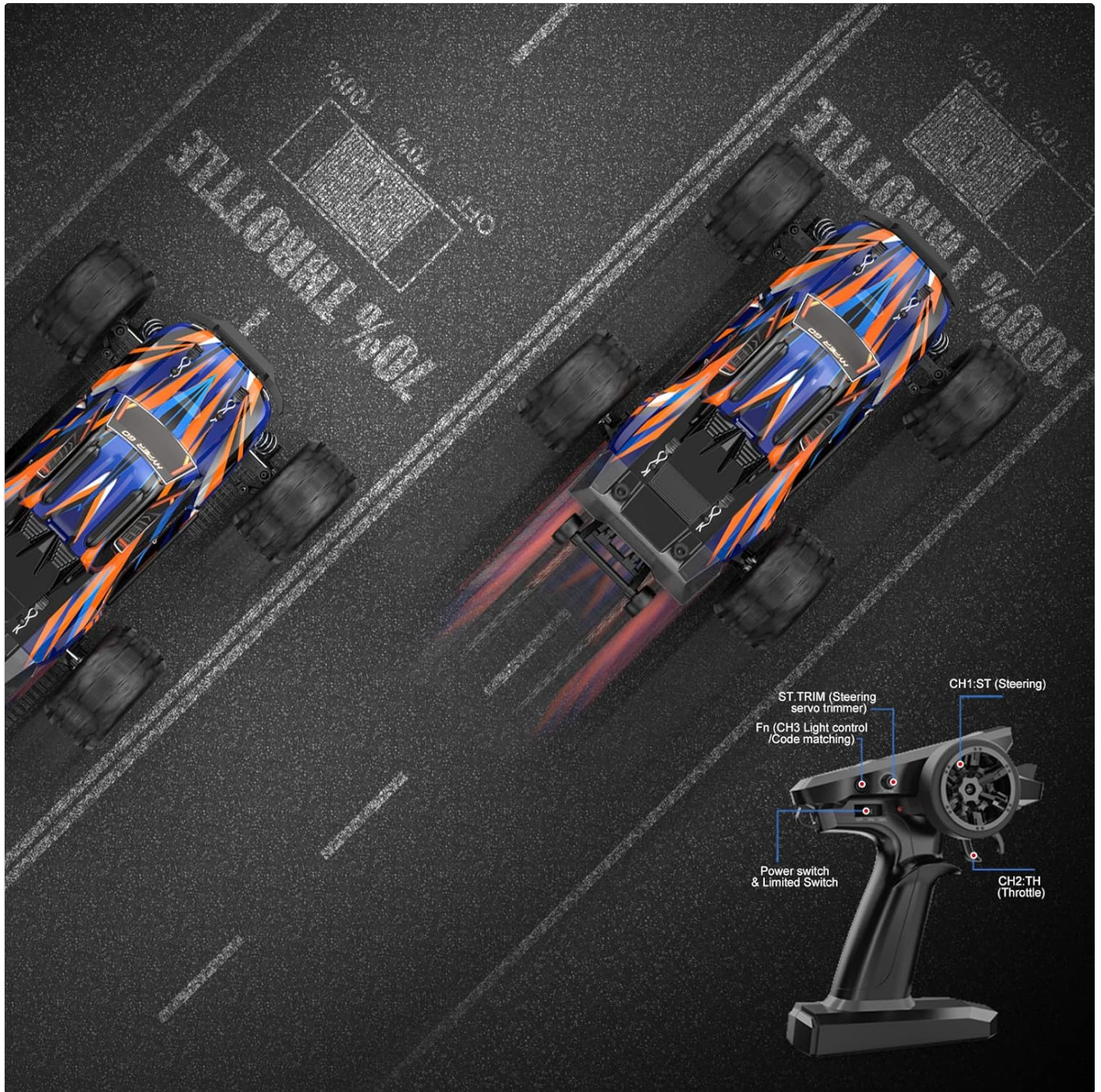


Figure 4: The remote control unit, highlighting the steering trim (ST.TRIM) and throttle (CH2.TH) controls, along with the 70% throttle limited switch.

OPERATING INSTRUCTIONS

Basic Controls

- **Throttle (CH2.TH):** Pull the trigger towards you to accelerate forward. Push the trigger away from you to brake or reverse.
- **Steering (CH1.ST):** Rotate the steering wheel left or right to turn the vehicle.

- **Steering Trim (ST.TRIM):** Adjust this dial if the vehicle pulls to one side when the steering wheel is centered.
- **Throttle Limited Switch:** This switch allows you to limit the maximum throttle output to 70%, which is ideal for beginners or younger users. For full speed, ensure this switch is set to 100%.



Figure 5: The HYPER GO H16DR demonstrating its jumping capability, supported by oil-filled shocks and a reinforced chassis for durability.

Driving Tips

- Start with the throttle limit switch engaged (70%) to get accustomed to the vehicle's handling.
- Practice smooth throttle and steering inputs for better control.
- The H16DR is designed for off-road terrain. Avoid driving on extremely rough surfaces that could damage components.
- The vehicle features IPX5 water resistance, allowing for operation in light splashes. Avoid submerging the vehicle.



Figure 6: The HYPER GO H16DR demonstrating its water resistance by driving through shallow water, highlighting its off-road capability.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your RC car.

General Cleaning

- After each use, especially in dirty or dusty conditions, clean the vehicle with a soft brush or compressed air to remove debris.
- Wipe down the chassis and body with a damp cloth. Avoid using harsh chemicals.
- Inspect the wheels and tires for embedded debris.

Battery Care and Storage

- Always disconnect the battery from the vehicle when not in use.

- Store LiPo batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not overcharge or over-discharge LiPo batteries.
- If a battery appears swollen or damaged, discontinue use immediately and dispose of it properly.

Component Inspection

- Regularly check the oil-filled shock absorbers for leaks or damage.
- Inspect the drive shafts, gears, and bearings for wear or damage. The H16DR features alloy steel drive shafts and metal ball bearings for durability.
- Ensure all screws and fasteners are tight.
- Check tire condition and ensure they are securely mounted. The tires are pre-mounted with soft sponge inserts for durability.



Figure 7: Internal view of the H16DR chassis, illustrating key components such as metal gears, differential assembly, and adjustable pull rods, which contribute to the vehicle's robust design.

TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Vehicle does not respond to remote.	Batteries in remote or truck are low/dead. Not paired correctly. Power switches off.	Replace/recharge batteries. Ensure remote is on first, then truck. Re-pair if necessary. Turn on all power switches.
Vehicle pulls to one side.	Steering trim needs adjustment. Damaged steering components.	Adjust the ST.TRIM dial on the remote. Inspect steering linkages and replace damaged parts.
Reduced speed or power.	Low battery charge. Throttle limit switch engaged. Motor/ESC overheating.	Recharge battery. Check the throttle limit switch on the remote. Allow vehicle to cool down.
Unusual noises during operation.	Debris in drivetrain. Worn or damaged gears/bearings.	Inspect and clean drivetrain components. Replace any worn or damaged parts.

SPECIFICATIONS

Feature	Detail
Model Number	H16DR
Scale	1:16
Product Dimensions	12.44 x 8.98 x 4.53 inches
Item Weight	3.53 ounces
Motor Type	390 Brushed Motor with Heatsink
ESC	RE353 Smart ESC, 35A, IPX5 Water Resistant
Battery	2S 7.4V 1050 mAh 25C LiPo (2 included)
Max Speed (2S LiPo)	20+ mph (GPS measured)
Max Speed (3S LiPo, optional)	27+ mph (45 kph)
Drive System	4WD, Alloy Steel Drive Shaft, Metal Ball Bearings, F/R Gear Differential
Shocks	Aluminum Capped Oil Filled Shock Absorbers
Recommended Age	14 years and up



Figure 8: Key electronic components: the 35A ESC and 390 motor with heatsink (left), and the IPX5 water-resistant ESC (right).

WARRANTY AND SUPPORT

HYPER GO products are designed for durability and performance. For warranty inquiries or technical support, please contact the manufacturer directly.

- **Manufacturer:** HYPER GO
- **Seller:** HYPER GO (via Amazon)
- Refer to your purchase documentation for specific warranty terms and contact information.
- For common issues, please consult the troubleshooting section of this manual.

The manufacturer is committed to customer satisfaction and provides support for product-related concerns.