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› Heng Long RC Tank 2.4G 1/16 7.0 Plastic Challenger II RTR Model Instruction Manual

## wheelfun 3908

# Heng Long RC Tank 2.4G 1/16 7.0 Plastic Challenger II RTR Model Instruction Manual

Brand: wheelfun | Model: 3908

## 1. INTRODUCTION

Thank you for purchasing the Heng Long 2.4G 1/16 7.0 Plastic Challenger II RC Tank. This Ready-To-Run (RTR) model is designed for enthusiasts aged 14 and up, offering realistic features such as a smoking unit, infrared combat system, BB shooting, and a rotating turret. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and enjoyment of your RC tank.

## 2. SAFETY INFORMATION

- **Age Recommendation:** This product is suitable for users aged 14 years and up. Adult supervision is recommended for younger users.
- **BB Pellets:** This tank shoots 6mm BB pellets. Always wear protective eyewear when operating the tank, especially during BB firing. Do not aim at people or animals.
- **Smoke Unit:** The tank features an idle smoking unit. Use only the recommended smoke liquid. Add only one drop at a time to prevent damage. Keep smoke liquid out of reach of children.
- **Battery Safety:** Use only the provided battery and charger. Do not overcharge or short-circuit the battery. Disconnect the battery when not in use.
- **Operating Environment:** Operate the tank in open areas, away from obstacles, water, and electrical hazards.
- **Maintenance:** Always turn off the tank and remote control before performing any maintenance or adjustments.

## 3. PACKAGE CONTENTS

Your package should include the following items:

- Heng Long 1/16 Challenger II RC Tank (Plastic Version)
- 2.4Ghz Remote Control
- Rechargeable Nonstandard Battery
- Battery Charger
- 6mm BB Pellets
- Smoke Liquid (availability may vary by region)
- Accessory parts (e.g., tank commander figure, decals)
- English Instruction Manual

## 4. PRODUCT OVERVIEW

The Heng Long Challenger II RC Tank is a highly detailed 1/16 scale model featuring advanced functionalities for an immersive experience.



*Figure 1: Side view of the Heng Long Challenger II RC Tank, showcasing its detailed exterior and track system.*



*Figure 2: Front view of the tank, highlighting the main gun and front armor details.*



Figure 3: Rear view of the tank, showing the exhaust and external fuel drums.

## Key Features:

- **2.4Ghz Radio Control System:** Allows multiple tanks to operate simultaneously without interference.
- **Infrared Combat System:** Supports multi-player tank battles.
- **BB Shooting:** Fires 6mm BB pellets with hull-recoil action and firing sound effects. Shooting range up to 20m.
- **Turret Control:** Turret rotates approximately 340 degrees.
- **Barrel Movement:** Barrel moves up and down approximately 30 degrees.
- **Smoking Unit:** Realistic idle smoking function. Smoke output increases with tank speed.
- **Sound Effects:** 7.0 mainboard provides two sound options and emulational battle sounds.
- **LED Lights:** Emulational tank lights.
- **Pivot Steering:** Enables realistic tank maneuvers.
- **Metal Roadwheel Suspension:** Enhances durability and realism.

## 5. SETUP

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### 5.1 Battery Installation

1. Locate the battery compartment on the tank (usually under a hatch on the bottom or rear).
2. Connect the tank's battery connector to the battery.
3. Securely place the battery inside the compartment and close the hatch.
4. Ensure the battery is fully charged before first use.

### 5.2 Remote Control Setup

1. Install the required batteries (not always included, check package) into the remote control.
2. Turn on the remote control, then turn on the tank. The remote and tank should automatically pair. If not, refer to the specific pairing instructions in the included manual.

### 5.3 Loading BB Pellets

1. Locate the BB loading port on the tank's turret (often under a small hatch).
2. Carefully pour 6mm BB pellets into the loading port. Do not overfill.
3. Close the loading port securely.

### 5.4 Adding Smoke Liquid

1. Locate the smoke unit reservoir on the tank (refer to the included manual for exact location).
2. Using the provided dropper, add **only one drop** of smoke liquid into the reservoir. Overfilling can damage the unit.
3. Close the reservoir cap.

## 6. OPERATING INSTRUCTIONS

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Familiarize yourself with the remote control layout and functions before operating the tank.

### 6.1 Driving the Tank

- Use the left joystick for forward/backward movement.
- Use the right joystick for left/right steering (pivot steering).

### 6.2 Turret and Barrel Control

- Use the designated buttons/joystick on the remote to rotate the turret left or right.
- Use other buttons to move the main barrel up or down.

### 6.3 Firing BB Pellets

- Ensure BB pellets are loaded and safety precautions (protective eyewear) are in place.
- Press the designated firing button on the remote control to shoot 6mm BB pellets. The tank will simulate hull recoil and emit a firing sound.

### 6.4 Smoke Function

- Activate the smoke function using the dedicated button on the remote.
- The smoke unit will produce idle smoke, with increased output when the tank is moving.

### 6.5 Infrared Combat

- The infrared combat system allows for battles with other compatible RC tanks.
- Refer to the included manual for detailed rules and scoring of infrared combat.

**Your browser does not support the video tag.**

*Video 1: Demonstration of the Heng Long RC Tank 1/16 7.0 Plastic Challenger II 3908 in action, showcasing its movement, turret rotation, and firing capabilities.*

## 7. MAINTENANCE

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- **Cleaning:** Wipe the tank's exterior with a soft, dry cloth after each use. Avoid using water or harsh chemicals.
- **Battery Care:** Store the battery in a cool, dry place. Do not leave it connected to the tank or charger for extended periods.
- **Track Maintenance:** Regularly inspect the tracks for debris or damage. Clean any obstructions to ensure smooth operation.
- **Smoke Unit:** If the smoke unit is not producing smoke, ensure there is sufficient smoke liquid. Clean the smoke outlet if it appears clogged.
- **Storage:** When not in use, store the tank and remote control in a dry, safe place, away from direct sunlight and extreme temperatures.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tank does not respond to remote.	Low battery in tank or remote; not paired.	Charge tank battery; replace remote batteries; re-pair remote and tank.
BBs not firing.	No BBs loaded; BBs jammed.	Load BBs; clear any jams (ensure tank is off).
No smoke from unit.	No smoke liquid; smoke unit clogged.	Add one drop of smoke liquid; gently clean smoke outlet.
Tank moves slowly or tracks are stuck.	Low tank battery; debris in tracks.	Charge tank battery; remove debris from tracks.

## 9. SPECIFICATIONS

- **Product Dimensions:** 26.8 x 12 x 10.4 inches
- **Item Weight:** 10.56 pounds
- **Item Model Number:** TH17734-AMZUS2
- **Scale:** 1/16
- **Radio System:** 2.4Ghz
- **Mainboard Version:** 7.0
- **Turret Rotation:** Approximately 340 degrees
- **Barrel Elevation:** Approximately 30 degrees
- **BB Caliber:** 6mm
- **BB Shooting Range:** Up to 20m
- **Battery:** 1 Nonstandard Battery (included)
- **Recommended Age:** 14 years and up

## 10. WARRANTY AND SUPPORT

wheelfun is committed to providing excellent product service. If you encounter any issues or require assistance with your Heng Long RC Tank, please contact our professional after-sales team. Our technical maintenance team can provide guidance in English through video or text for repairs and troubleshooting.

For support, please refer to the contact information provided with your purchase or visit the official wheelfun store on Amazon.