HENG LONG 3908-1B

Henglong 1:16 US British Challenger 2 RTR RC Tank Instruction Manual

Model: 3908-1B | Brand: HENG LONG

Introduction

This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your Henglong 1:16 US British Challenger 2 RTR RC Tank. Please read this manual thoroughly before operating the tank to ensure proper function and longevity of the product.
The Challenger 2 RC tank is a 1:16 scale model featuring realistic smoke dischargers, a simulated cannon that fires 6mm plastic BBs, and an infrared battle system. It includes a 2.4 GHz radio control system and a version 6.0 PCB with an integrated speaker for realistic sound effects.

Safety Information

- **Age Recommendation:** This product is recommended for users aged 14 years and older. Adult supervision is advised for younger users.
- **Choking Hazard:** Contains small parts and 6mm plastic BBs. Keep away from small children.
- **Projectile Warning:** The tank fires plastic BBs. *Never aim at people or animals.* Always wear protective eyewear when operating the tank, especially when using the firing function.
- **Battery Safety:** Use only the specified Li-Ion battery. Do not overcharge, short-circuit, or expose batteries to extreme temperatures. Dispose of batteries responsibly.
- **Operating Environment:** Operate the tank in open, clear areas, away from obstacles, water, and public roads. Avoid operating in wet conditions.
- **Heat Warning:** The motor and other components may become hot during prolonged use. Allow the tank to cool down before handling after operation.

Package Contents

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

- Henglong 1:16 US British Challenger 2 RC Tank
- 2.4 GHz Remote Control

- Li-Ion 1800mAh Battery
- USB Charger (or similar charging device)
- Packet of 6mm Plastic BBs
- Smoke Oil (for smoke function)
- Instruction Manual (this document)

Setup

1. Charging the Tank Battery

The included Li-Ion 1800mAh battery must be fully charged before first use. Connect the battery to the provided charger and plug the charger into a suitable power source. The charging indicator light will typically show red during charging and turn green when fully charged. Charging time may vary, but usually takes 3-4 hours. *Do not leave batteries charging unattended.*

2. Installing the Tank Battery

1. Locate the battery compartment on the underside or rear of the tank.
2. Open the battery compartment cover.
3. Connect the fully charged Li-Ion battery to the tank's power connector, ensuring correct polarity.
4. Carefully place the battery inside the compartment and close the cover securely.



Image: Top-down view of the Henglong Challenger 2 RC Tank, showing the turret and main gun. This view highlights the overall design and proportions of the tank.

3. Installing Remote Control Batteries

The remote control typically requires AA batteries (not always included). Open the battery compartment on the back of the remote control and insert the required batteries, observing the correct polarity (+/-). Close the cover securely.

4. Filling the Smoke Generator

Locate the smoke oil reservoir, usually near the exhaust vents at the rear of the tank. Carefully add a few drops of the provided smoke oil using the dropper. *Do not overfill.*

5. Loading BBs (Optional)

If you intend to use the firing function, locate the BB loading port, usually on the top of the turret. Open the cover and carefully pour the 6mm plastic BBs into the magazine. Close the cover securely. *Always ensure the tank is powered off and pointed in a safe direction when loading BBs.*

Operating Instructions

1. Powering On

1. Turn on the remote control first.
2. Turn on the power switch on the tank. The tank will typically emit a startup sound and the indicator light will illuminate.
3. The remote control and tank should automatically pair. If not, refer to the remote control's specific pairing instructions (usually involving moving joysticks or pressing a bind button).

2. Basic Controls

Familiarize yourself with the remote control layout. Common controls include:

- **Left Joystick:** Controls tank movement (forward, backward, left turn, right turn).
- **Right Joystick:** Controls turret rotation (left/right) and gun elevation (up/down).
- **Fire Button:** Activates the main cannon to fire BBs.
- **Machine Gun Button:** Activates simulated machine gun sound.
- **Smoke Button:** Turns the smoke generator on/off.
- **Sound Buttons:** Adjusts volume or changes sound effects.



Image: Angled front-right view of the Henglong Challenger 2 RC Tank. This perspective showcases the front armor, tracks, and the detailed turret design, including the British flag decal.

3. Driving the Tank

Use the left joystick to control the tank's movement. Pushing both sticks forward moves the tank forward, pulling both back moves it backward. Moving one stick forward and the other backward will cause the tank to turn in place.

4. Turret and Cannon Operation

Use the right joystick to rotate the turret and elevate/depress the main gun. Press the fire button to launch 6mm BBs. Ensure the area is clear and safe before firing.

5. Smoke and Sound Effects

Activate the smoke function using the designated button on the remote. The tank's integrated speaker will produce realistic engine sounds, turret rotation sounds, and cannon firing sounds automatically or via specific buttons.

6. Infrared Battle System

The tank is equipped with an infrared battle system, allowing it to engage in simulated combat with other compatible RC tanks. Refer to the specific IR battle system instructions for detailed gameplay rules and hit detection mechanics.

Maintenance

- **Cleaning:** After use, gently wipe down the tank with a dry, soft cloth to remove dust and debris. Avoid using water or chemical cleaners.
- **Track Inspection:** Regularly check the tracks for any foreign objects, damage, or excessive wear.
- **Battery Care:** Always remove the battery from the tank and remote control when not in use. Store batteries in a cool, dry place. Do not fully discharge Li-Ion batteries; store them with a partial charge (around 50%).
- **Smoke Generator:** If the smoke output decreases, check the smoke oil level and refill if necessary. Clean any residue around the smoke outlet.
- **Storage:** Store the tank in a dry, cool environment, away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Tank does not respond to remote.	Low battery in tank or remote; tank/remote not paired; power switch off.	Charge tank battery; replace remote batteries; ensure both are powered on and paired.
Smoke generator not working.	No smoke oil; clogged nozzle; smoke function not activated.	Refill smoke oil; gently clean nozzle; activate smoke function on remote.
BBs not firing.	No BBs loaded; firing mechanism jammed; safety switch engaged.	Load BBs; clear any obstructions; ensure safety switch is off.
Tank moves slowly or erratically.	Low tank battery; debris in tracks; motor issue.	Recharge tank battery; clean tracks; contact support if motor issue persists.

Specifications

Model Name	Challenger 2
Model Number	3908-1B
Brand	HENG LONG
Scale	1:16
Material	Plastic
Weight	4.6 Kilograms
Battery Type	Li-Ion 1800mAh
Radio Frequency	2.4 GHz
Special Features	Realistic Sound, Smoke Dischargers, 6mm BB Firing, Infrared Battle System
Recommended Age	14+ years

Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the retailer directly. Keep your proof of purchase for any warranty claims.

For further assistance, you may also visit the official HENG LONG website or contact their customer service department.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question