

Heng Long 3818

Heng Long 1/16 Scale German Tiger I RC Tank (Model 3818) Instruction Manual

Brand: Heng Long | Model: 3818

1. INTRODUCTION

Thank you for purchasing the Heng Long 1/16 Scale German Tiger I RC Tank. This remote-controlled tank is designed for hobby enthusiasts, featuring realistic functions and detailed construction. Please read this manual thoroughly before operating the tank to ensure safe and optimal performance.

1.1 Safety Precautions

- This product is not a toy. It is intended for users aged 14 and above.
- Always operate the tank in a safe environment, away from people, pets, and obstacles.
- Do not operate near water or in wet conditions to prevent electrical damage.
- Keep fingers and loose clothing away from moving parts, such as tracks and turret.
- Use only the specified batteries and charging equipment.
- Do not ingest smoke liquid. Keep out of reach of children.

2. FEATURES

- 2.4Ghz radio control system for multi-tank combat without interference.
- Plastic version with metal roadwheel suspension.
- Realistic pivot steering.
- Barrel moves up and down approximately 30 degrees.
- Emulational smoke function from the 'engine' (requires smoke liquid, one drop per use).
- Emulational tank lights with LED.



Figure 2.1: Top view of the tank, highlighting the engine deck and turret details.

3. PACKAGE CONTENTS

Please inspect the package contents upon receipt to ensure all items are present and undamaged:

- Heng Long 1/16 Scale German Tiger I RC Tank (Model 3818)
- 2.4Ghz Remote Controller
- Rechargeable Battery Pack for Tank
- USB Charger
- Smoke Liquid (availability may vary by region)
- Accessory Kit (e.g., commander figure, small tools)
- Instruction Manual (this document)



Figure 3.1: The German Tiger I RC Tank, its remote control, and packaging.



Figure 3.2: The shipping box for the RC tank.

4. SETUP

4.1 Battery Installation

1. **Tank Battery:** Locate the battery compartment on the underside of the tank. Open the compartment cover, connect the tank's rechargeable battery pack, and secure it. Close the cover.
2. **Remote Controller Batteries:** Open the battery compartment on the back of the remote controller. Insert the required batteries (typically AA, not always included) according to the polarity markings. Close the cover.

4.2 Charging the Tank Battery

Connect the tank's rechargeable battery pack to the provided USB charger. Plug the charger into a suitable USB power source. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged). Do not overcharge the battery.

4.3 Adding Smoke Liquid

If your model includes the smoke function and smoke liquid:

1. Locate the smoke generator's filler cap on the tank's engine deck (refer to Figure 2.1).
2. Carefully open the cap.
3. Using the provided dropper, add **only one drop** of smoke liquid into the smoke generator. Overfilling can cause damage.
4. Securely close the filler cap.



Figure 4.1: Close-up of the tank's turret, showing details relevant for setup.

5. OPERATING INSTRUCTIONS

5.1 Powering On and Pairing

1. Turn on the tank using the power switch (usually located near the battery compartment).
2. Turn on the remote controller. The controller and tank should automatically pair. An indicator light on the controller will confirm successful pairing.

5.2 Driving Controls

The remote controller typically features two joysticks for driving:

- **Forward/Backward:** Push both joysticks forward or backward.
- **Turning (Pivot Steering):** Push one joystick forward and the other backward to turn in place. Push one joystick further than the other to make a gradual turn.



Figure 5.1: Side view of the tank, illustrating the track system for driving.

5.3 Turret and Barrel Control

- **Turret Rotation:** Use the designated buttons or joystick on the remote to rotate the turret left or right (up to 340 degrees).
- **Barrel Elevation:** Use the designated buttons to move the main gun barrel up or down (approximately 30 degrees).



Figure 5.2: The tank demonstrating its 340-degree turret rotation capability.

5.4 Smoke and Lights

- **Smoke Function:** Activate the smoke function using the dedicated button on the remote. Smoke output increases with tank speed. Remember to add only one drop of smoke liquid per use.
- **Lights:** The tank features emulational LED lights. These typically activate automatically when the tank is powered on or can be controlled via a button on the remote.

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Video 5.1: Demonstration of the Heng Long German Tiger I RC Tank's features, including lights, smoke, turret movement, and driving capabilities.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the tank to remove dust, dirt, and debris from the tracks, wheels, and body. Use a soft, dry cloth. Avoid using water or chemical cleaners, as they can damage electronic components.

6.2 Storage

When not in use, store the tank and remote controller in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries from both the tank and the remote controller if storing for extended periods to prevent leakage.

6.3 Battery Care

- Always fully charge the tank battery before use.
- Do not leave batteries charging unattended.
- If the battery becomes hot during charging or operation, discontinue use immediately.
- Dispose of old or damaged batteries according to local regulations.

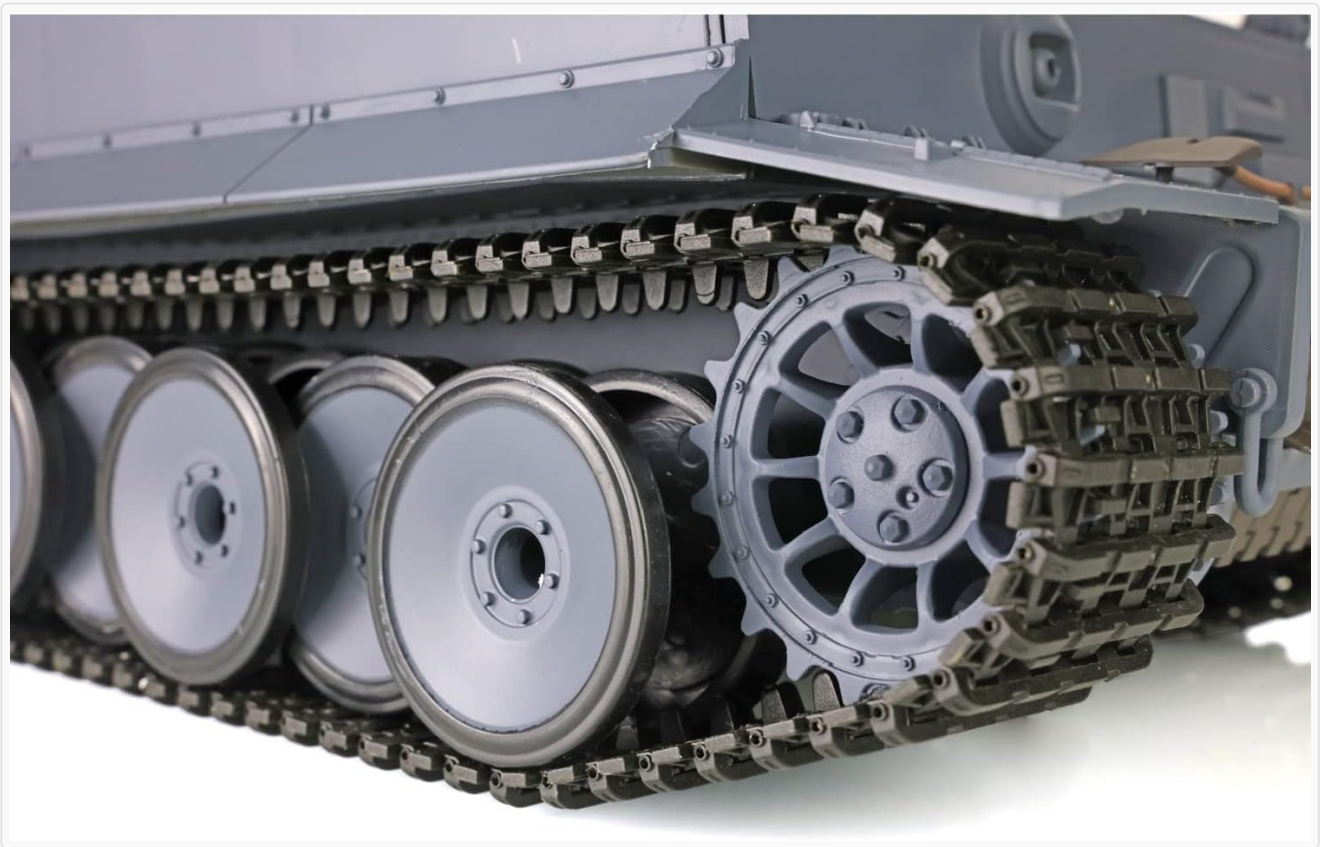


Figure 6.1: Detail of the tank's tracks and roadwheels, important areas for cleaning and inspection.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tank does not power on.	Battery not charged or incorrectly installed.	Ensure battery is fully charged and correctly connected. Check power switch.
Tank does not respond to remote.	Not paired, remote batteries low, or interference.	Re-pair tank and remote. Replace remote batteries. Move to an area with less interference.
Smoke function not working.	No smoke liquid or smoke generator clogged.	Add one drop of smoke liquid. Ensure the smoke generator is clear.
Tracks are stuck or not moving smoothly.	Debris in tracks or damaged track links.	Inspect and clean tracks. Check for damaged links.

8. SPECIFICATIONS

- **Product Dimensions:** 20.6 x 9 x 7 inches
- **Item Weight:** 8 pounds
- **Model Number:** 3818
- **Scale:** 1/16
- **Radio System:** 2.4Ghz
- **Manufacturer:** Hengong
- **Recommended Age:** 14 years and up



Figure 8.1: Rear view of the tank, providing a perspective on its dimensions.

9. WARRANTY AND SUPPORT

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