Heng Long 3898

Heng Long 1/16 M4A3 Sherman RC Tank User Manual

Model: 3898 - Customized Pro Version 7.0

1. Introduction

Thank you for purchasing the Heng Long 1/16 M4A3 Sherman RC Tank. This highly detailed and functional remote-controlled tank offers an immersive experience with features like barrel recoil, idle smoking, 360° rotating turret, infrared combat, and BB shooting. This manual will guide you through the setup, operation, and maintenance to ensure optimal performance and enjoyment of your model.

2. Safety Information

- This product is not suitable for children under 14 years of age due to small parts and potential hazards. Adult supervision is recommended for all users.
- Always operate the tank in a safe environment, away from people, pets, and obstacles.
- Do not aim the BB gun at people or animals. Always wear protective eyewear when operating the BB shooting function.
- Ensure the battery is correctly installed and charged according to instructions to prevent damage or injury.
- Use only the provided charger and battery. Do not attempt to charge non-rechargeable batteries.
- Keep the smoke liquid away from eyes and mouth. Use only one drop at a time to prevent damage to the smoke unit.
- Turn off the tank and remote control when not in use.

3. Package Contents

The package includes the following items:

- 1x Heng Long 1/16 M4A3 Sherman RC Tank (Customized Pro Version 7.0)
- 1x 2.4Ghz Radio Control System (Remote Controller)
- 1x USB Universal Charger
- 1x 7.4V 1800mAh Tank Battery

- BB Pellets (6mm)
- Smoke Liquid (availability may vary by region)
- Accessory parts (e.g., tank commander figure, machine gun, tools, spare track links)



Image: Top view of the M4A3 Sherman RC Tank with included accessories.

4. Setup

4.1 Battery Installation and Charging

1. Locate the battery compartment on the underside of the tank.
2. Carefully open the compartment cover.
3. Connect the 7.4V 1800mAh tank battery to the tank's power connector.
4. Place the battery inside the compartment and close the cover securely.
5. To charge the battery, connect it to the USB universal charger and plug the charger into a suitable USB power source. The indicator light on the charger will show charging status.

Video: Demonstrates battery installation and initial setup for a Heng Long 7.0 tank, similar to the M4A3 Sherman.

4.2 Remote Control Setup

1. Install 6 AA batteries (not included) into the remote control.
2. Turn on the remote control. The indicator light should flash.
3. Turn on the tank using the power switch (usually located under a hatch or on the underside). The tank and remote control should automatically pair. A successful connection is indicated by a solid light on the remote and an audible confirmation from the tank.

4.3 Smoke Liquid Filling

1. Locate the smoke unit filling port on the tank (often under a small hatch near the engine deck).
2. Carefully add **one drop** of the provided smoke liquid into the port. Overfilling can damage the smoke unit.
3. Replace the cap securely.

5. Operating Instructions

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

5.1 Basic Movement

- Use the left joystick for forward and backward movement.
- Use the right joystick for turning left and right.
- The tank features omnidirectional movement for realistic maneuverability.



Image: Front view of the M4A3 Sherman RC Tank, showcasing its detailed design.

5.2 Turret and Barrel Control

- The turret can rotate 360° limitlessly using the designated controls on the remote.
- The main barrel can be elevated and lowered approximately 30° for aiming.

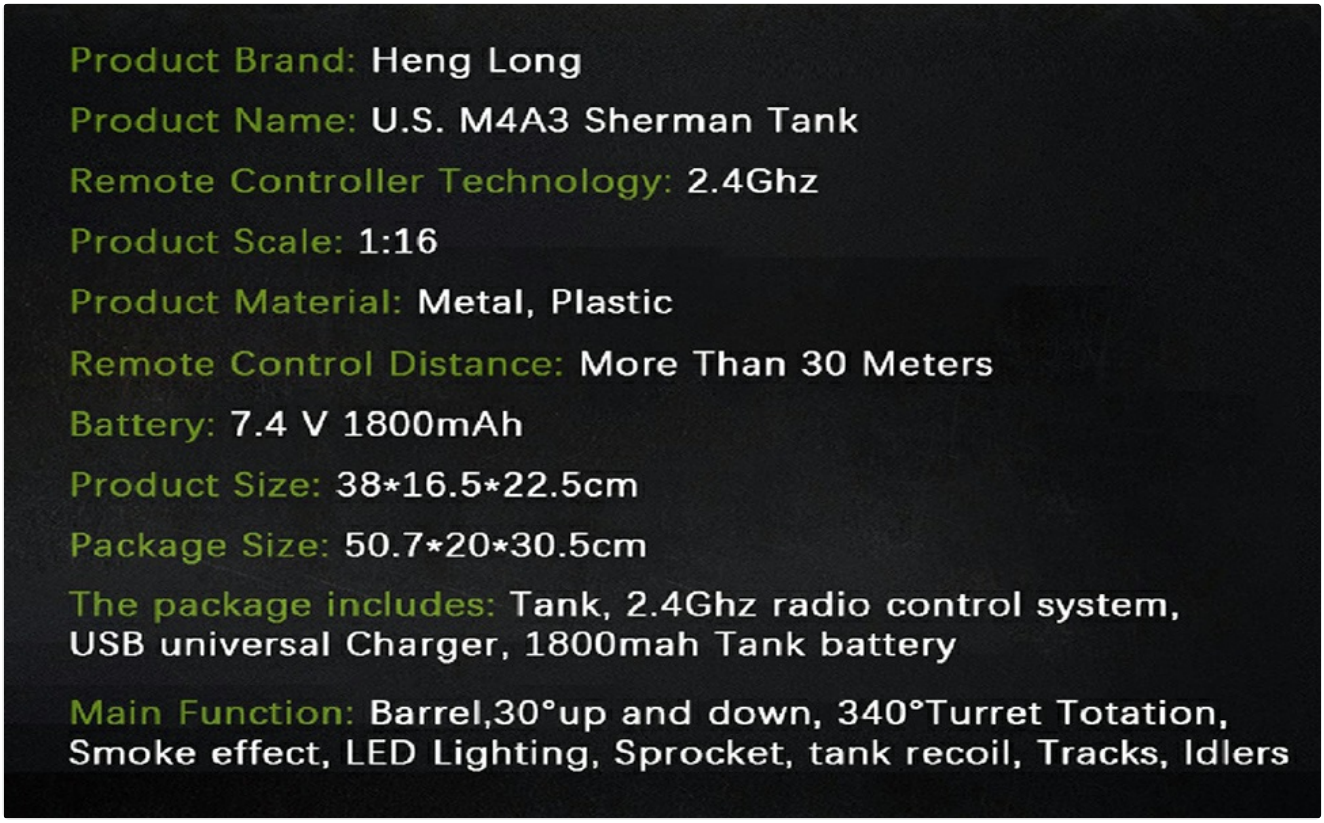


Image: Visual representation of the tank's movement capabilities including turret rotation and barrel elevation.

5.3 BB Shooting and Recoil

- Load 6mm BB pellets into the designated loading port (refer to the remote control diagram for the firing button).
- When firing, the tank features a cool hull-recoil action and firing sound effect. The barrel also retracts and expands.
- The shooting range is approximately 20 meters.

5.4 Smoke and Sound Effects

- Activate the smoke generator using the remote control. The smoke output increases as the tank moves faster.
- The 7.0 mainboard provides two selectable sound modes. Each action, such as movement or firing, is accompanied by realistic mimic tank mechanical sounds.

5.5 Infrared Combat System

- The tank is equipped with an infrared combating system, allowing multiple players to engage in tank battles.
- The 2.4Ghz radio control system supports multiple tanks combating together without radio interference.

Video: Demonstrates the M4A3 Sherman RC Tank's movement, firing, smoke, and sound features.

Video: A short demonstration of the infrared combat and BB airsoft firing features of a Heng Long 7.0 tank.

6. Maintenance

- **Cleaning:** Regularly wipe down the tank with a soft, dry cloth to remove dust and debris. Avoid using water or harsh chemicals.
- **Battery Care:** Always fully charge the battery before storage and recharge it every 3 months if not in use to

prolong its lifespan. Disconnect the battery from the tank when storing.

- **Smoke Unit:** Ensure the smoke unit is clean and only use the recommended smoke liquid. Do not overfill.
- **Tracks and Wheels:** Periodically inspect the metal tracks, sprocket wheels, idler wheels, and road wheels for any debris or damage. Clean as necessary to ensure smooth operation.
- **Storage:** Store the tank and remote control in a cool, dry place away from direct sunlight and extreme temperatures.

7. Troubleshooting

If you encounter any issues with your tank, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tank does not respond to remote control.	Low battery in tank or remote; not paired; power switch off.	Charge tank battery, replace remote batteries, ensure both are powered on and paired.
BB gun not firing or weak firing.	No BBs loaded; low tank battery; BBs jammed.	Load BBs, charge tank battery, clear any jams (ensure tank is off before clearing).
No smoke effect.	No smoke liquid; smoke unit clogged; low tank battery.	Add one drop of smoke liquid, clean smoke unit, charge tank battery.
Tracks not moving smoothly or making unusual noise.	Debris in tracks; damaged track links; drive wheel clearance issue.	Clean tracks, inspect for damage, ensure proper clearance for drive wheels (shimming may be required in some cases).
Decals not sticking.	Surface not clean; old decals.	Clean the surface thoroughly before applying. Use a small amount of model adhesive if necessary.

8. Specifications

Feature	Detail
Product Model Number	3898 (TH17682-AMZUS2)
Scale	1:16
Product Dimensions	21.2 x 13.6 x 8.8 inches (38 x 16.5 x 22.5 cm)
Item Weight	11.66 pounds
Material	Metal, Plastic (Metal Tracks, Sprocket Wheels, Idler Wheels, Road Wheels, Gearboxes, Steel Gears)
Remote Control Technology	2.4Ghz
Remote Control Distance	More Than 30 Meters
Battery	1x 7.4V 1800mAh Nonstandard Battery (included)
Manufacturer Recommended Age	22 years and up

Feature	Detail
Main Functions	Barrel 30° up/down, 360° Turret Rotation, Smoke Effect, LED Lighting, Tank Recoil, BB Shooting, Infrared Combat

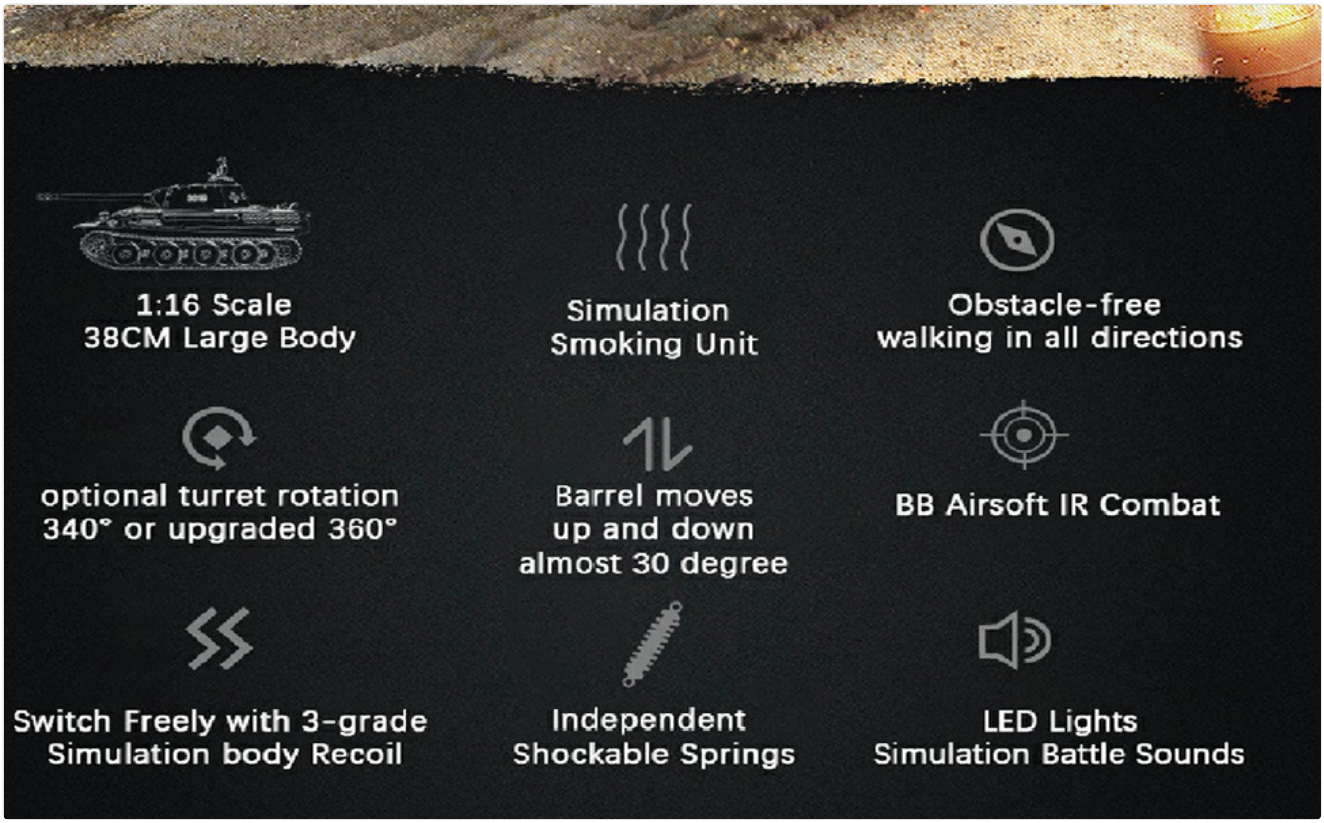


Image: Detailed product parameters and features of the M4A3 Sherman RC Tank.

9. Warranty and Support

Your Heng Long M4A3 Sherman RC Tank comes with dedicated support to ensure your satisfaction.

- **Damage Out of Box:** If your item arrives damaged, a free replacement part can be resent.
- **Technical Support:** A professional after-sales and technical maintenance team is available to provide guidance in English through video or text for repairs and troubleshooting.
- For any inquiries regarding merchandise or support, please contact a Wheelfun RC Hobby team member.

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

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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