



Manuals.plus /

› Heng Long /

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Model: 3898

1. INTRODUCTION

This manual provides detailed instructions for the operation, maintenance, and troubleshooting of your Heng Long 1/16 Scale M4A3 Sherman RTR RC Tank 3898. Please read this manual thoroughly before operating the tank to ensure safe and optimal performance.



Figure 1: Top-front view of the M4A3 Sherman RC Tank.

2. PRODUCT FEATURES

- Infrared combating system supports multiple players for tank battles.
- Scale appearance accurately replicates a real M4A3 Sherman tank.
- Features pivot steering for realistic maneuverability.
- Equipped with a 7.0 mainboard offering two sound options, with each action producing realistic tank mechanical sounds.
- Capable of shooting 6mm BB pellets with a cool hull-recoil action (not barrel recoil) and firing sound effects. Shooting range is approximately 20 meters.



Figure 2: Illustration of the tank's barrel and body recoil feature.

3. WHAT'S IN THE BOX

Upon unpacking, please ensure all the following items are present:

- 1x M4A3 Sherman RC Tank
- 1x Radio Controller
- 1x Pack of BB Pellets
- 1x Infrared Combat Transmitter
- 1x Infrared Combat Receiver
- 1x Idle Smoking Generator
- 1x Smoke Liquid bottle
- 1x 1800mAh Tank Battery
- 1x USB Universal Charger
- Various Kits (accessories for customization/assembly)
- 1x English Manual Book (this document)

4. SAFETY INFORMATION

- **Age Recommendation:** This product is recommended for users 18 years and up. It is not suitable for children under 15 years due to small parts and functional projectile firing.
- **Eye Protection:** Always wear appropriate eye protection when operating the tank, especially when firing BB pellets.
- **Firing Safety:** Never aim or fire BB pellets at people, animals, or fragile objects. Ensure a safe firing zone.
- **Battery Safety:** Use only the provided battery and charger. Do not overcharge or short-circuit batteries. Keep batteries away from heat and open flames.
- **Smoke Liquid:** Handle smoke liquid with care. Avoid contact with skin and eyes. Keep out of reach of children.
- **Operating Environment:** Operate the tank in open areas, away from obstacles, water, and electrical hazards.

5. SETUP

5.1. Battery Installation and Charging

1. **Tank Battery:** Locate the battery compartment on the tank. Connect the provided 1800mAh tank battery and secure it.
2. **Charging:** Use the USB universal charger to charge the tank battery. Connect the battery to the charger, then plug the charger into a suitable USB power source. The indicator light will show charging status (refer to charger instructions for details).
3. **Controller Batteries:** Install appropriate batteries (not specified, typically AA or AAA) into the radio controller. Ensure correct polarity.

5.2. Filling BB Pellets

1. Locate the BB pellet loading port on the tank's turret.
2. Carefully open the port and pour the 6mm BB pellets into the magazine. Do not overfill.
3. Close the loading port securely.

5.3. Adding Smoke Liquid

1. Identify the smoke generator reservoir on the tank.
2. Carefully add a few drops of the provided smoke liquid into the reservoir. Do not overfill.
3. Close the reservoir cap.

5.4. Controller Pairing

Turn on the tank and then the radio controller. The tank and controller should automatically pair. If not, refer to the specific pairing instructions in the included English manual book for your controller model.

6. OPERATING INSTRUCTIONS

6.1. Basic Movement

- **Forward/Backward:** Use the left joystick (or designated control) to move the tank forward or backward.
- **Turning:** Use the right joystick (or designated control) to steer the tank left or right. Pivot steering allows for realistic turns.



Figure 3: The M4A3 Sherman RC Tank demonstrating movement over obstacles.

6.2. Turret Control

- **Turret Rotation:** Use the designated buttons or joystick on the controller to rotate the turret left or right.
- **Barrel Elevation:** Use the designated buttons to raise or lower the main gun barrel.



Figure 4: The tank's barrel can be moved up and down.

6.3. Firing BB Pellets

Press the designated firing button on the controller to shoot 6mm BB pellets. The tank will exhibit hull-recoil action and emit firing sounds.

6.4. Smoke Generator

Activate the smoke generator using the designated button on the controller. The tank will emit smoke from its exhaust, simulating a real tank.

6.5. Infrared Combat System

The tank is equipped with an infrared combat system. When engaging in battles with other compatible RC tanks, aim your infrared transmitter at the opponent's receiver. Hits will be registered, and the tank may react with specific sounds or movements. Refer to the infrared combat system's specific rules for detailed gameplay.

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Video 1: Demonstrates the M4A3 Sherman RC Tank's infrared combat, BB airsoft firing, and general movement capabilities.

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Video 2: Shows the Heng Long 1:16 Sherman M4A3 Remote Control Tank in motion, highlighting its running performance.

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Video 3: Features the upgraded 1/16 Heng Long M4A3 Sherman RC Tank 3898 in an IR battle scenario.

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Video 4: Provides an overview of the Heng Long 1/16 M4A3 Sherman RTR RC Tank 3898 with metal tracks.

7. MAINTENANCE

7.1. Cleaning

- After each use, especially if operated outdoors, clean the tank's tracks and wheels to remove dirt, dust, and debris. Use a soft brush or cloth.
- Wipe down the tank's body with a dry, soft cloth. Avoid using water or harsh chemicals.

7.2. Track Maintenance

Regularly inspect the metal tracks for any damage or loose links. Ensure the tracks run smoothly around the drive wheels and idlers. Lubricate moving parts if necessary with RC-safe lubricant.

7.3. Battery Care

- Always disconnect the battery from the tank when not in use.
- Store batteries in a cool, dry place.
- Do not store fully charged or completely depleted batteries for extended periods. Charge them to approximately 50% for long-term storage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tank does not respond to controller	Low battery in tank or controller; Not paired; Power switch off.	Charge/replace batteries; Re-pair controller; Ensure power switches are ON.
BB pellets do not fire	No pellets loaded; Jammed mechanism; Firing safety engaged.	Load pellets; Clear any jams (ensure tank is off); Disengage safety.
Smoke generator not working	No smoke liquid; Clogged nozzle.	Add smoke liquid; Gently clean the nozzle (refer to specific instructions).
Tank moves slowly or tracks are stuck	Low tank battery; Debris in tracks; Damaged track links.	Charge tank battery; Clean tracks; Inspect and replace damaged links if necessary.

9. SPECIFICATIONS

- **Product Dimensions:** 14 x 6 x 8 inches
- **ASIN:** B07TTFPND6
- **Item Model Number:** 59a6ba75-1b15-47c6-8e8a-9cc99d3d97d7
- **Manufacturer Recommended Age:** 18 years and up
- **Batteries:** 1 Nonstandard Battery (included)
- **Manufacturer:** Hengong

10. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please refer to the contact details provided by your retailer or the manufacturer's official website. Keep your proof of purchase for any warranty claims.