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› Heng Long 1/16 Scale German Panzer IV F2 RC Tank Model 3859 User Manual

## wheelfun TH17395-AMZUS2

# Heng Long 1/16 Scale German Panzer IV F2 RC Tank Model 3859 User Manual

Model: TH17395-AMZUS2

## 1. SAFETY INFORMATION

Please read all safety instructions carefully before operating the tank. Failure to follow these instructions may result in injury or damage to the product.

- **Age Recommendation:** This product is recommended for users 21 years and up.
- **Battery Safety:**
  - Use only the provided charger and battery.
  - Do not overcharge or short-circuit batteries.
  - Do not expose batteries to extreme temperatures or open flames.
  - Supervise charging and disconnect when complete.
- **BB Pellet Safety:**
  - Always wear protective eyewear when operating the tank, especially when firing BB pellets.
  - Do not aim or fire at people or animals.
  - Ensure the firing area is clear of obstacles and fragile items.
  - Use only the specified 6mm BB pellets.
- **Smoke Liquid:**
  - Use only the provided smoke liquid.
  - Do not ingest the smoke liquid. Keep out of reach of children.
  - Apply only one drop at a time to the smoke generator.
- **General Operation:**
  - Operate the tank in open areas, away from obstacles, water, and electrical hazards.
  - Avoid operating in wet conditions.
  - Keep fingers and loose clothing away from moving parts.

## 2. PACKAGE CONTENTS

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

- Heng Long RC Tank (German Panzer IV F2 Model 3859)
- 2.4G Radio Controller
- 6mm BB Pellets
- Infrared Combating Transmitter
- Infrared Combating Receiver
- Idle Smoking Generator
- Smoke Liquid
- 1800mAh Tank Battery
- USB Universal Charger
- Accessory Kits
- English Manual Book



Image 1: The Heng Long RC Tank, its remote controller, and the product packaging box.

### 3. SETUP GUIDE

#### 3.1. Battery Installation and Charging

##### 1. Tank Battery:

- Locate the battery compartment on the tank.
- Connect the 1800mAh tank battery to the tank's power connector.
- Securely close the battery compartment.
- To charge, connect the tank battery to the USB Universal Charger and plug it into a suitable USB power source. The charging indicator will show the charging status. Disconnect once fully charged.

##### 2. Radio Controller Batteries:

- Open the battery compartment on the back of the 2.4G Radio Controller.
- Insert the required batteries (not included, typically AA) according to the polarity markings.

- Close the battery compartment securely.

### 3.2. Smoke Liquid Filling

The tank features an idle smoking generator for realistic effects.

- Locate the smoke generator's filling port on the tank (refer to the detailed manual for exact location).
- Carefully apply **only one drop** of the provided smoke liquid into the port. Overfilling can cause damage.
- Wipe away any spills immediately.



Image 2: The RC tank demonstrating its smoke generation feature.

### 3.3. BB Pellet Loading

The tank is capable of shooting 6mm BB pellets.

- Ensure the tank's power is off before loading BB pellets.
- Locate the BB pellet loading port, typically on the turret.
- Carefully load the 6mm BB pellets into the designated compartment. Do not overfill.
- Always wear protective eyewear when handling or loading BB pellets.



Image 3: The tank's main gun, capable of firing BB pellets.

### 3.4. Infrared Combat System Setup

The tank supports infrared combat with other compatible tanks.

- Attach the Infrared Combating Transmitter and Receiver to their designated ports on the tank (refer to the detailed manual for specific locations).
- Ensure they are securely connected for optimal combat functionality.

## 4. OPERATING INSTRUCTIONS

## 4.1. Power On and Pairing

1. Ensure both the tank and the radio controller have charged batteries installed.
2. Turn on the tank's power switch.
3. Turn on the radio controller's power switch. The 2.4Ghz system should automatically pair. A successful pairing is usually indicated by a solid light on the controller or tank.

## 4.2. Driving Controls

The radio controller allows for precise movement and pivot steering.

- Use the left joystick for forward/backward movement.
- Use the right joystick for turning left/right and pivot steering.
- The tank features metal roadwheel suspension for improved terrain handling.



Image 4: The tank's suspension system allows it to navigate uneven surfaces.

## 4.3. Turret and Barrel Control

- The turret can rotate almost 340 degrees using the designated controls on the radio controller.
- The barrel can move up and down almost 30 degrees, also controlled via the radio controller.

## 4.4. BB Shooting and Infrared Combat

- **BB Shooting:** Press the designated button on the controller to fire 6mm BB pellets. The tank will exhibit a hull-recoil action and firing sound effect. The shooting range is approximately 20 meters. Always ensure safety precautions are followed.
- **Infrared Combat:** When engaged in infrared combat with other compatible tanks, the infrared transmitter sends signals, and the receiver detects hits. Refer to the specific combat rules in the full manual for detailed gameplay.

## 4.5. Smoking Generator and LED Lights

- **Smoking Generator:** Activate the smoking generator via the controller. The smoke output gradually increases as the tank runs faster. Remember to add only one drop of smoke liquid at a time.
- **LED Lights:** The tank features emulational LED lights, which can be controlled or are activated automatically during operation.



Image 5: The tank's front view, showing its operational LED lights.

#### 4.6. Sound Effects

The 7.0 mainboard provides two distinct sound options for a realistic experience. These can typically be switched via a button on the controller or through a specific sequence (refer to the full manual).

### 5. MAINTENANCE

- **Cleaning:**

- After each use, gently wipe down the tank with a dry, soft cloth to remove dust and debris.
- Avoid using water or chemical cleaners, as these can damage electronic components.
- Periodically check the tracks and wheels for any trapped debris and remove them carefully.

- **Battery Care:**

- Always disconnect and remove the tank battery when not in use.
- Store batteries in a cool, dry place.
- If storing for extended periods, charge the battery to approximately 50% capacity.

- **Smoke Generator:**

- Ensure the smoke generator is clean and free of residue.
- Only use the specified smoke liquid. Using other liquids may clog or damage the generator.

- **General Inspection:**

- Regularly inspect all moving parts, connections, and wiring for any signs of wear or damage.
- Tighten any loose screws if necessary.

### 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tank does not respond to controller.	Tank or controller not powered on. Low battery in tank or controller. Not paired correctly. Interference.	Ensure both devices are switched on. Charge/replace batteries. Turn both off, then on again to re-pair. Move to an area with less interference.
BB pellets do not fire or fire weakly.	No BB pellets loaded. Pellet jam. Low tank battery.	Load 6mm BB pellets. Clear any obstructions from the firing mechanism (ensure power is off). Charge the tank battery.
Smoke generator not producing smoke.	No smoke liquid or insufficient amount. Generator clogged.	Add one drop of smoke liquid. Refer to the full manual for cleaning instructions or contact support.
Crackling sound from speakers.	Speaker damage or loose connection.	Inspect speaker connections if accessible. If the issue persists, contact customer support for assistance.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	TH17395-AMZUS2
Scale	1/16
Radio System	2.4Ghz
Tank Battery	1800mAh (included)
BB Pellet Size	6mm
BB Shooting Range	Up to 20 meters
Turret Rotation	Approx. 340 degrees
Barrel Elevation	Approx. 30 degrees (up/down)
Mainboard Version	7.0 (with 2 sound options)
Product Dimensions	22.4 x 11.6 x 10.2 inches
Item Weight	8.8 pounds
Manufacturer Recommended Age	21 years and up
Manufacturer	wheelfun

## 8. WARRANTY AND SUPPORT

This product is manufactured by wheelfun. For any issues or inquiries, please contact our customer support.

- **Damage Upon Arrival:** If the item is damaged out of the box, 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 support, please visit the wheelfun Store on Amazon or contact the seller directly.