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wheelfun 3938

wheelfun Heng Long 1/16 T90 RC Tank 3938 Instruction Manual

Model: 3938 Customized Version

1. Introduction

This manual provides essential information for the safe and effective operation, setup, and maintenance of your wheelfun Heng Long 1/16 T90 RC Tank, Model 3938. Please read this manual thoroughly before using the product to ensure proper function and longevity.



Image 1: Front-side view of the T90 RC Tank.

2. What's in the Box

Verify that all components are present before proceeding with setup:

- Tank (1)
- Radio Controller (1)
- BB Pellets (quantity as supplied)
- 360 Degree Turret Rotation Upgrade Parts (pre-installed or separate, refer to packaging)
- Infrared Combating Transmitter (1)
- Infrared Combating Receiver (1)
- Idle Smoking Generator (pre-installed)
- Smoke Liquid (1 bottle)
- 1800mAh Tank Battery (1)

- USB Universal Charger (1)
- Kits (various small parts for detailing/assembly)
- English Manual Book (1)

3. Setup

3.1 Battery Installation and Charging

1. Locate the battery compartment on the tank.
2. Connect the 1800mAh tank battery to the tank's power connector.
3. Securely close the battery compartment.
4. Before first use, fully charge the tank battery using the provided USB universal charger. Connect the charger to a compatible USB power source. The charging indicator will show the charging status.
5. Install batteries (not specified if included, typically AA) into the radio controller. Refer to the controller's specific instructions for battery orientation.

3.2 Smoking Unit Preparation

The tank features an idle smoking generator for realistic effects.

1. Locate the smoke liquid reservoir on the tank.
2. Carefully add **one drop** of the provided smoke liquid into the reservoir.*Do not overfill*, as this can damage the unit.
3. Ensure the cap is securely replaced after filling.

3.3 BB Pellet Loading

The tank is capable of shooting 6mm BB pellets.

1. Locate the BB loading hatch on the tank's turret.
2. Open the hatch and carefully load the 6mm BB pellets into the designated compartment.
3. Close the hatch securely.

Warning: Always ensure no one is in the firing path when loading or operating the BB shooting function. Do not aim at people or animals.



Image 2: Side view of the T90 RC Tank with barrel elevated.

4. Operating Instructions

The tank operates using a 2.4Ghz radio control system, allowing multiple tanks to combat without interference.

4.1 Basic Movement

- **Forward/Backward:** Use the left joystick (or equivalent control) on the radio controller to move the tank forward or backward.
- **Turning:** Use the right joystick (or equivalent control) to steer the tank left or right.

4.2 Turret and Barrel Control

- **Turret Rotation:** The tank features a 360-degree rotating turret. Use the designated controls on the radio controller to rotate the turret left or right.
- **Barrel Elevation:** Control the barrel to move up and down almost 30 degrees using the specific controls on the radio controller.

4.3 BB Shooting Function

- To fire 6mm BB pellets, press the designated firing button on the radio controller.
- The tank will exhibit a hull-recoil action and firing sound effect.
- The shooting range is approximately 20 meters.

4.4 Smoking Unit Activation

- Activate the smoking unit using the designated button on the radio controller.
- Smoke production increases as the tank runs faster.

4.5 Infrared Combating System

The infrared combating system allows multiple players to engage in tank battles.

- Ensure the infrared combating transmitter and receiver are properly installed and activated.
- Follow the specific instructions for infrared combat mode, usually involving aiming and firing infrared signals at opponent tanks.

4.6 Sound and Light Features

- The 7.0 mainboard provides two kinds of sound options.
- Each action is accompanied by mimic real tank mechanical sounds.
- Emulational tank lights (LED) are integrated for enhanced realism.

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Video 1: Demonstration of the Henglong RC Tank 3938, showcasing its movement, turret rotation, firing, and smoking functions.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your RC tank.

- **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 directly on electronic components.
- **Tracks and Wheels:** Periodically inspect the metal tracks, sprocket wheels, idler wheels, and road wheels for any obstructions or damage. Remove any tangled hair, string, or debris that may hinder movement.
- **Smoking Unit:** After using the smoking function, ensure the reservoir is empty and clean. Do not leave liquid in the unit for extended periods. Use only the specified smoke liquid.
- **Battery Care:** Always disconnect the battery when the tank is not in use. Store batteries in a cool, dry place. Do not overcharge or completely discharge the battery.
- **Storage:** Store the tank and controller in a dry, safe place away from direct sunlight and extreme temperatures.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Tank does not respond to controller.	Low battery in tank or controller; controller not paired; power switch off.	Charge tank battery; replace controller batteries; ensure both tank and controller are powered on.

Problem	Possible Cause	Solution
Smoking unit not producing smoke.	No smoke liquid; liquid reservoir overfilled; unit malfunction.	Add one drop of smoke liquid; ensure reservoir is not overfilled; contact support if issue persists.
BB pellets not firing.	No BB pellets loaded; firing mechanism jammed; low power.	Load BB pellets; check for obstructions in the barrel; ensure tank battery is charged.
Tank movement is sluggish or erratic.	Low tank battery; debris in tracks/wheels; motor issue.	Charge tank battery; clean tracks and wheels; contact support if issue persists.

If troubleshooting steps do not resolve the issue, please contact customer support.

7. Specifications

- **Brand Name:** wheelfun
- **Model Number:** TH17853-AMZUS2-1
- **Scale:** 1:16 Scale
- **Material Type:** Metal
- **Item Weight:** 14.3 Pounds
- **Item Dimensions:** 26.8 x 12 x 10.4 inches
- **Age Range Description:** Adult (Manufacturer Minimum Age: 265 months / 22 years)
- **Power Source:** Battery Powered
- **Battery Type:** Lithium-Ion (1 Lithium Polymer battery included)
- **Operation Mode:** Remote Control (2.4Ghz Radio Control System)
- **Additional Features:** Realistic Sound, Infrared Combating System, Smoking Unit, LED Lights, Metal Tracks, Full Metal Gearboxes, Steel Gears.
- **Assembly Required:** Yes (minor assembly for detailing/accessories)

8. Warranty and Support

8.1 Manufacturer Warranty

This product comes with a**1 Year Warranty Against Manufacturer Defects**. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For any questions, technical assistance, or maintenance services, please contact wheelfun customer support. Our professional after-sales and technical maintenance team can provide guidance in English through video or text for repairs. If an item is damaged out of the box, we can resend a free replacement part.
Visit the wheelfun Store on Amazon for more information or to contact support.

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