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› Heng Long 1/16 7.0 Customized Russia T90 RC Tank 3938 Instruction Manual

wheelfun 3938 Customized Version

Heng Long 1/16 7.0 Customized Russia T90 RC Tank 3938 Instruction Manual

Model: 3938 Customized Version | Brand: wheelfun

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective operation of your Heng Long 1/16 7.0 Customized Russia T90 RC Tank 3938. Please read this manual thoroughly before use to ensure proper setup, operation, and maintenance. Retain this manual for future reference.

2. PACKAGE CONTENTS

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

- Heng Long 1/16 7.0 Customized Russia T90 RC Tank
- 2.4Ghz Radio Controller
- BB Pellets
- 360 Degree Turret Rotation Upgrade Parts (if not pre-installed)
- Infrared Combating Transmitter
- Infrared Combating Receiver
- Idle Smoking Generator (if not pre-installed)
- Smoke Liquid
- 1800mAh Tank Battery
- USB Universal Charger
- Accessory Kits
- English Manual Book (this document)



Image: The Heng Long T90 RC Tank, its remote controller, and packaging box, illustrating the main components included.

3. SETUP GUIDE

3.1. Battery Installation and Charging

1. **Charge the Tank Battery:** Connect the 1800mAh tank battery to the USB universal charger. Plug the charger into a compatible USB power source. The charging indicator will show the charging status. Charge until fully indicated.
2. **Install Tank Battery:** Locate the battery compartment on the tank (refer to the diagram in the included physical manual for exact location). Open the compartment, connect the charged battery, and secure it. Close the compartment cover.
3. **Install Controller Batteries:** Insert appropriate batteries (not included, typically AA) into the radio controller's battery compartment. Ensure correct polarity.

3.2. Smoke Unit Preparation

The tank features an idle smoking generator. To activate this function:

- Locate the smoke unit reservoir on the tank (consult the physical manual for precise location).
- Carefully add **one drop** of the provided smoke liquid into the reservoir. **Do not overfill**, as this can damage the unit.

RUSSIANT-90

1:16 SCALE 2.4GHZ R/C MAIN BATTLE TANK



Product Brand: Heng Long

Product Name: Russian T-90

Product Scale: 1:16

Color: Camouflage Yellow

Product Material: Metal, Plastic

Remote Controller Technology: 2.4GHZ

Remote Control Distance: More Than 30 Meters

Battery: 7.4 V 1800mAh

Product Size: 65*23*18cm

Package Size: 65*24*28cm

The package includes: Tank, 2.4Ghz radio control system, USB universal Charger, 1800mah Tank battery

Image: A detailed view of the tank's rear deck, highlighting the area where the smoke unit is located and liquid is added.

3.3. BB Pellet Loading

To enable the BB shooting function:

- Locate the BB pellet loading port, typically near the turret.
- Carefully load the provided 6mm BB pellets into the port. Do not force pellets or overfill the magazine.
- Ensure the safety switch for the BB firing mechanism is in the "OFF" position during loading.

4. OPERATING INSTRUCTIONS

4.1. Power On and Pairing

1. Turn on the power switch on the tank.
2. Turn on the power switch on the 2.4Ghz radio controller. The controller and tank should automatically pair. An indicator light on the controller will confirm successful pairing.

4.2. Driving Controls

Use the joysticks on the radio controller to maneuver the tank:

- **Forward/Backward:** Push both joysticks forward or backward.
- **Turn Left/Right:** Push one joystick forward and the other backward, or push one joystick further than the other.
- **Pivot Turn:** Push one joystick forward and the other backward to turn in place.

4.3. Turret and Barrel Control

- **Turret Rotation:** Use the designated controls (buttons or joystick) on the controller to rotate the turret 360 degrees.
- **Barrel Elevation:** Use the designated controls to move the barrel up and down, approximately 30 degrees.



Image: A top-down perspective of the T90 RC Tank, showcasing the rotating turret and the main gun's elevation capability.

4.4. BB Shooting Function

Caution: Always ensure the area is clear and no people or animals are in the firing line. Wear protective eyewear.

1. Move the BB firing safety switch to the "ON" position.
2. Press the designated firing button on the controller to shoot 6mm BB pellets. The tank will exhibit a hull-recoil action and firing sound effect.
3. The shooting range is approximately 20 meters.

4.5. Infrared Combat System

The tank is equipped with an infrared combating system, allowing multiple tanks to engage in simulated battles without radio interference (using the 2.4Ghz radio control system).

- Ensure the infrared combating transmitter and receiver are properly installed and activated.
- Follow the specific combat rules and hit detection indicators outlined in the physical manual for detailed gameplay.

4.6. Smoke and Sound Effects

- **Smoke Unit:** Once smoke liquid is added, the smoke unit will activate, producing smoke, especially when the tank is in motion.
- **Sound Effects:** The 7.0 mainboard provides two selectable sound modes. Each action (driving, turret rotation, firing) is accompanied by realistic tank mechanical sounds.
- **LED Lights:** Emulational LED tank lights are integrated for enhanced realism.

5. MAINTENANCE

5.1. General Care

- Keep the tank clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the tank to moisture or extreme temperatures.
- Store the tank and controller in a dry, cool place when not in use.
- Remove batteries from both the tank and controller if storing for extended periods to prevent leakage.

5.2. Smoke Unit Maintenance

- Only use the provided smoke liquid or a manufacturer-approved alternative.
- Do not overfill the smoke liquid reservoir. One drop is typically sufficient for operation.
- If the smoke unit stops producing smoke, check the liquid level and ensure it is not clogged.

5.3. Track and Gearbox Inspection

Periodically inspect the metal tracks, sprocket wheels, idler wheels, and full metal gearboxes for any signs of wear or damage. The steel gears are designed for durability, but regular inspection ensures optimal performance.



Image: A side profile of the T90 RC Tank, highlighting the detailed metal tracks, road wheels, and suspension system.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tank does not power on.	Battery not charged or incorrectly installed. Power switch off.	Ensure battery is fully charged and correctly connected. Turn on the tank's power switch.
Controller not responding.	Controller batteries low or incorrectly installed. Not paired with tank.	Replace controller batteries. Ensure controller and tank are both powered on and paired.
Smoke unit not producing smoke.	No smoke liquid or reservoir is empty. Unit clogged.	Add one drop of smoke liquid. Ensure the unit is not clogged. Do not overfill.
BB pellets not firing.	Safety switch off. No pellets loaded. Jammed mechanism.	Ensure BB firing safety switch is ON. Load pellets. Check for obstructions in the firing mechanism.
Tank or turret movement is erratic.	Low battery in tank or controller. Interference.	Recharge tank battery, replace controller batteries. Move to an area with less radio interference.

7. SPECIFICATIONS

Product Name	Heng Long 2.4Ghz 1/16 Scale Russia T90 RTR RC Tank 3938 Model
Version	Customized Version (Metal driving wheel, Metal road wheel, Metal tracks, Metal idlers, Metal suspension, Metal driving gearbox)
Brand	wheelfun (Heng Long)
Scale	1:16
Product Dimensions	26.8 x 12 x 10.4 inches (68 x 30.5 x 26.4 cm)
Item Weight	14.3 pounds (6.49 kg)
Material	Metal, Plastic
Remote Control Technology	2.4GHz
Remote Control Distance	More Than 30 Meters
Tank Battery	7.4 V 1800mAh
Turret Rotation	360 degrees
Barrel Elevation	Approximately 30 degrees
BB Pellet Size	6mm
Item Model Number	TH17853-AMZUS2-1
Manufacturer Recommended Age	22 years and up



Image: A front view of the T90 RC Tank, demonstrating the main gun's elevation capability.

8. WARRANTY AND SUPPORT

8.1. Warranty Information

For issues such as damage upon arrival, the manufacturer offers to resend a free replacement part. Please contact customer support for assistance.

8.2. Customer Support

The manufacturer, wheelfun, provides a professional after-sales team and a technical maintenance team. Technicians can offer guidance in English through video or text for repairs and troubleshooting. For support, please refer to the contact information provided with your product packaging or visit the official wheelfun store on Amazon: [wheelfun Store](#).

9. IMPORTANT SAFETY INFORMATION

- This product is recommended for ages 22 years and up.
- Always operate the RC tank in a safe, open area, away from people, pets, and obstacles.
- Never aim the BB gun at people or animals. Always wear protective eyewear when operating the BB

shooting function.

- Do not modify the tank or its components, as this may void the warranty and create safety hazards.
- Keep small parts and BB pellets away from young children to prevent choking hazards.