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Heng Long Tk7.0

Heng Long 2.4G 1/16 Tk7.0 RC Tank User Manual

German King Tiger - Model Tk7.0

INTRODUCTION

Thank you for purchasing the Heng Long 2.4G 1/16 Tk7.0 RC Tank. This highly detailed replica of the German King Tiger offers an immersive remote-controlled experience with advanced features. Equipped with a 7.0 mainboard, it provides realistic sound effects and supports an infrared combating system for multi-player tank battles. The 2.4Ghz radio control system ensures stable operation without interference, allowing multiple tanks to battle simultaneously. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure optimal performance and enjoyment of your RC tank.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Heng Long 1/16 Scale RC Tank (German King Tiger)
- 2.4G Radio Controller
- BB Pellets
- Infrared Combating Transmitter
- Infrared Combating Receiver
- Idle Smoking Generator
- Smoke Liquid (availability may vary by shipping regulations)
- 1800mAh Tank Battery
- USB Universal Charger
- Accessory Kits (various small parts for detailing)



Image: The complete package including the tank, remote controller, and product box.

SETUP GUIDE

1. Charging the Tank Battery

1. Connect the 1800mAh tank battery to the USB universal charger.
2. Plug the USB charger into a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. Allow the battery to charge fully. The indicator light on the charger will change color or turn off when charging is complete. Refer to the charger's specific instructions for details.
4. **Caution:** Do not overcharge the battery. Always supervise charging.

2. Installing the Tank Battery

1. Locate the battery compartment on the underside or rear of the tank.
2. Open the battery compartment cover.
3. Carefully insert the charged battery, ensuring correct polarity.
4. Securely close the battery compartment cover.

3. Preparing the Radio Controller

The radio controller requires 8 AA batteries (not included).

1. Open the battery compartment on the back of the controller.
2. Insert 8 AA batteries, observing the correct polarity (+/-).
3. Close the battery compartment.



Image: Side profile of the Heng Long German King Tiger RC Tank, showing its detailed tracks and road wheels.

OPERATING INSTRUCTIONS

1. Powering On and Pairing

1. Ensure the tank's power switch is in the OFF position.
2. Turn on the radio controller.
3. Turn on the tank's power switch. The tank and controller should automatically pair. A sound or light indicator on the tank will confirm successful pairing.

2. Driving the Tank

The tank features realistic pivot steering for authentic 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. For pivot steering, move one track forward and the other backward simultaneously.

3. Turret and Cannon Control

- **Turret Rotation:** Use the designated controls on the remote to rotate the turret left or right.
- **Cannon Elevation:** Use the designated controls to raise or lower the cannon barrel.
- **BB Bullet Firing:** Load BB pellets into the designated compartment. Press the firing button on the controller to shoot BB pellets. **Always ensure no people or animals are in the firing line. Wear eye protection.**

4. Sound Effects and Smoke Generator

- **Sound Effects:** The 7.0 mainboard provides realistic engine sounds, firing sounds, and other operational

noises. Use the designated buttons on the controller to activate or change sound modes.

- **Smoke Generator:** Fill the smoke liquid reservoir (if included and shipped) according to the instructions. Activate the smoke generator via the controller for realistic exhaust smoke.

5. Infrared Combating System

The tank is equipped with an infrared combating system, allowing for multi-player tank battles.

- Ensure both the Infrared Combating Transmitter and Receiver are properly installed on your tank.
- When engaging in combat with other compatible tanks, aim your cannon at the opponent's receiver.
- Successful hits will register on the opponent's tank, often indicated by lights, sounds, or simulated damage.
- Refer to the specific combat system instructions for detailed rules and gameplay.



Image: Frontal view of the Heng Long German King Tiger RC Tank, highlighting its main gun and detailed front armor.

MAINTENANCE

- **Cleaning:** After use, gently wipe down the tank with a dry, soft cloth to remove dust and debris. Avoid using water or harsh chemicals.
- **Storage:** Store the tank and controller in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries from both the tank and controller if storing for extended periods to prevent leakage.
- **Track Maintenance:** Periodically check the tracks for any foreign objects or damage. Clean as necessary.
- **BB Pellet Chamber:** Ensure the BB pellet chamber is clear of debris.
- **Smoke Generator:** If using the smoke generator, ensure it is cleaned according to its specific instructions to prevent clogging.



Image: Detailed close-up of the tank's turret, showing intricate components and the commander's hatch.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tank does not power on.	Battery not charged or incorrectly installed. Tank power switch off.	Ensure battery is fully charged and correctly inserted. Turn on tank power switch.
Controller does not respond.	Controller batteries low or incorrectly installed. Controller power switch off.	Replace controller batteries. Ensure batteries are correctly inserted. Turn on controller power switch.
Tank not pairing with controller.	Incorrect power-on sequence. Interference.	Turn on controller first, then tank. Move to an area with less radio interference.
BB pellets not firing.	No pellets loaded. Jammed mechanism.	Load BB pellets. Check for obstructions in the firing mechanism and clear carefully.
Smoke generator not working.	No smoke liquid. Clogged nozzle.	Add smoke liquid. Refer to smoke generator instructions for cleaning.

SPECIFICATIONS

Model: Tk7.0

Scale: 1/16

Radio System: 2.4Ghz

Mainboard: 7.0 Version

Battery: 1800mAh (included)

Product Dimensions: 27 x 12 x 11 inches

Manufacturer: Heng Long

Recommended Age: 21 years and up

Metal Parts: Barrel

Non-Metal Parts: Tank body, Driving Gearbox, Road wheels, Tracks, Sprockets and idler wheels

SAFETY INFORMATION

- This product is recommended for users aged 21 years and up.
- Always operate the RC tank in a safe, open area, away from people, pets, and obstacles.
- Never aim or fire BB pellets at people or animals. Always wear eye protection when operating the tank, especially when firing.
- Keep small parts and BB pellets away from young children to prevent choking hazards.
- Do not modify or disassemble the tank or controller. Unauthorized modifications may cause damage or injury and void the warranty.
- Use only the provided charger and battery, or approved replacements.
- Do not expose the tank or electronic components to water or moisture.
- Dispose of batteries responsibly according to local regulations.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided by your retailer or the manufacturer's official website. Keep your purchase receipt as proof of purchase.