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TOUCAN RC HOBBY 3889

TOUCAN RC HOBBY Henglong 1/16 7.0 Leopard2A6 RC Tank Instruction Manual

Model: 3889

1. PRODUCT OVERVIEW

The TOUCAN RC HOBBY Henglong 1/16 7.0 Leopard2A6 RC Tank (Model 3889) is a highly detailed, hobby-grade remote-controlled tank designed for enthusiasts. It features realistic functions such as barrel recoil, smoke emission, and an infrared combating system, allowing for engaging multi-player tank battles. This model is equipped with durable metal components for enhanced performance and longevity.



Figure 1.1: The Henglong 1/16 Leopard2A6 RC Tank, showcasing its detailed exterior, the included radio controller, and the product packaging.



Figure 1.2: Side profile of the Leopard2A6 RC Tank, highlighting the length of its main gun and the detailed track system.



Figure 1.3: A dynamic front three-quarter view of the tank, emphasizing the turret's design and the robust front armor.

2. WHAT'S IN THE BOX

Upon opening the package, please verify that all the following components are present:

- Tank with barrel recoil function
- Radio controller
- BB pellets
- Smoke liquid (availability may vary by shipping regulations)
- 1800mah Tank battery
- Kits (likely small accessory parts)
- English manual book (note: the provided manual may contain inaccuracies, refer to this document for primary guidance)
- Infrared combating system components



Figure 2.1: The typical shipping box for the RC tank, indicating the product is securely packaged for transport.

3. SETUP GUIDE

1. **Battery Installation:** Locate the battery compartment on the tank. Connect the provided 1800mAh tank battery to the tank's power connector. Securely place the battery within the compartment and close the cover.
2. **Smoke Liquid Application:** The tank features an idle smoking function. Carefully locate the smoke liquid reservoir. *Only add one drop of smoke liquid at a time.* Overfilling can damage the smoke unit. Note that smoke liquid may not be shippable to all regions due to regulations.
3. **BB Pellets Loading:** Open the BB loading hatch, typically located on the turret. Carefully load the provided BB pellets into the magazine. Ensure the hatch is securely closed before operation.
4. **Power On:** The on-off switch for the tank is located under the turret. You will need to open a round cover on the hull beneath the turret to access it. Switch the tank to the "ON" position.
5. **Radio Controller Preparation:** Insert batteries (not specified, assume standard AA/AAA) into the radio controller. Power on the controller. The tank and controller should automatically pair. If not, refer to the specific pairing instructions in the included manual or contact support.



Figure 3.1: Top-down view of the tank's rear, highlighting the engine deck and exhaust grilles where smoke is emitted.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the radio controller's layout and functions before operating the tank.

- **Driving:** Use the left joystick (or equivalent) for forward/backward movement and the right joystick (or equivalent) for turning. The metal tracks with rubber pads provide excellent traction on various surfaces.
- **Turret Rotation:** The tank features 360-degree limitless turret rotation. Use the designated controls on the radio controller to rotate the turret left or right.
- **Barrel Recoil:** This model includes a realistic barrel recoil function. When firing, the barrel will simulate a recoil action.
- **Firing BBs:** Press the designated fire button on the controller to shoot BB pellets. Ensure the area is clear and safe before firing.
- **Smoke Function:** The tank produces smoke from its "engine" exhaust. The smoke output increases as the tank moves faster. Remember to add smoke liquid as described in the setup section.
- **Lights:** Emulational LED tank lights are integrated. These lights typically activate with the tank's power or can be controlled via the radio controller.
- **Infrared Combating System:** The tank is equipped with an infrared combating system, allowing multiple tanks to engage in simulated battles. Refer to the specific infrared battle instructions for detailed gameplay.
- **2.4Ghz Radio Control:** The 2.4Ghz radio control system ensures stable communication and allows multiple similar tanks to operate simultaneously without interference.



Figure 4.1: Detailed view of the tank's metal tracks, highlighting the individual links and rubber pads designed for improved grip and realism.

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Video 4.1: An official demonstration video showcasing the Henglong 1/16 Leopard2A6 RC Tank in action, highlighting its movement, turret rotation, and other features.

5. MAINTENANCE

As a hobby-grade product, regular maintenance is essential to ensure the longevity and optimal performance of your RC tank. The tank will experience wear and tear during operation.

- **Track and Wheel Cleaning:** After use, especially on dirty or dusty surfaces, clean the metal tracks, road wheels, driving wheels, and idler wheels to prevent debris buildup that can hinder movement and cause wear.
- **Gearbox Inspection:** Periodically inspect the full metal gearboxes and steel gears for any signs of wear or damage. Lubricate as necessary with appropriate RC-grade lubricants.
- **Smoke Unit Care:** If the smoke unit is not producing smoke or is producing less, ensure the reservoir has sufficient smoke liquid. If the unit appears clogged, consult specialized RC tank forums or the manufacturer for

cleaning procedures.

- **General Inspection:** Regularly check all screws, connections, and moving parts for looseness or damage. Tighten loose screws and replace damaged parts promptly.

6. TROUBLESHOOTING

If you encounter issues with your RC tank, consider the following common troubleshooting steps:

- **Tank Not Responding:**
 - Ensure both the tank and radio controller are powered on.
 - Check battery levels in both the tank and controller. Recharge or replace as needed.
 - Verify that the tank's on-off switch (under the turret) is fully engaged.
 - Confirm the tank and controller are properly paired.
- **Tracks Not Moving Smoothly:**
 - Inspect tracks and wheels for debris (dirt, hair, small objects) and clean thoroughly.
 - Check for any broken or damaged track links.
 - Ensure the gearbox is functioning correctly and not obstructed.
- **No Smoke Emission:**
 - Check if smoke liquid has been added to the reservoir.
 - Ensure only one drop of smoke liquid was added to prevent clogging.
 - Verify the smoke unit is not damaged or disconnected.
- **Barrel Recoil Not Functioning:**
 - Ensure the firing mechanism is not jammed by BB pellets.
 - Check for any visible obstructions or loose connections around the barrel recoil mechanism.

For persistent issues or complex repairs, it is recommended to seek assistance from experienced hobbyists or contact the TOUCAN RC HOBBY Store directly for specialized support.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	26 x 9 x 8 inches
Item Weight	15.5 pounds
Model Number	3889
Manufacturer Recommended Age	14 years and up
Manufacturer	Henglong
Scale	1/16
Track Type	Metal tracks with single side rubber pads
Gearbox	Full metal steel driving gearbox

Turret Rotation	360 limitless
Special Features	Barrel recoil, smoke function, LED lights, infrared combating system

8. SAFETY WARNINGS

Please read and adhere to the following warnings for safe operation and to ensure product satisfaction:

- This HengLong RC tank is a **hobby-grade product, not a toy**. It requires a certain level of technical understanding and maintenance capability.
- The tank will experience wear and may develop glitches during operation. Users are expected to be capable of learning how to maintain the tank and exchange parts as needed.
- This product is **not suitable for individuals without an interest in maintaining the tank or exchanging parts**.
- This product is **not suitable for individuals who are too busy to learn from the seller or other resources about how to maintain the tank**.
- Exercise caution when purchasing this hobby product, as lacking manipulative ability or willingness to maintain it may reduce your satisfaction.
- Always operate the tank in a safe environment, away from people, pets, and fragile objects.
- Do not aim the BB gun at eyes or faces. Always wear protective eyewear when operating or observing the tank during firing.
- Keep small parts and BB pellets out of reach of young children to prevent choking hazards.

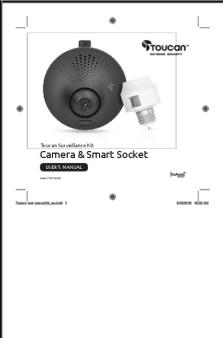
9. WARRANTY AND SUPPORT

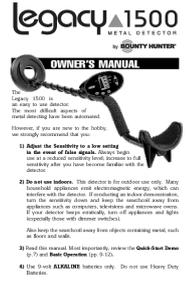
For any questions, technical support, or inquiries regarding parts and maintenance, please contact the TOUCAN RC HOBBY Store directly. They are committed to providing high-quality products and service.

While specific warranty details are not provided in this document, it is advisable to retain your purchase receipt and contact the seller for any warranty-related concerns.

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Related Documents - 3889

	<p>Toucan Surveillance Kit User Manual: Camera & Smart Socket</p> <p>Comprehensive user manual for the Toucan Surveillance Kit, detailing installation, features, specifications, and troubleshooting for the Toucan Camera and Smart Socket (Model TSK100KU).</p>
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	<p>HengLong Hobby 7.4V USB Charger Instruction Manual</p> <p>Comprehensive instruction manual for the HengLong Hobby 7.4V USB charger and lithium battery, covering charging procedures, safety precautions, and maintenance tips to ensure optimal performance and longevity.</p>
	<p>Fisher F4 Metal Detector Operating Manual</p> <p>Comprehensive operating manual for the Fisher F4 Hobby Metal Detector, covering setup, controls, search techniques, and troubleshooting. Learn how to use your F4 for effective metal detecting.</p>
	<p>KentokTool TX-4071 Underground Metal Detector User Manual</p> <p>Comprehensive user manual for the KentokTool TX-4071 underground metal detector, covering assembly, operation, features, troubleshooting, and maintenance.</p>
	<p>National Geographic Metal Detector Starter Kit User Manual</p> <p>User manual for the National Geographic Metal Detector Starter Kit. Includes assembly instructions, how to use, detecting tips, safety warnings, troubleshooting, code of ethics, and historical context of metal detecting.</p>
	<p>Bounty Hunter Legacy 1500 Metal Detector Owner's Manual</p> <p>Comprehensive owner's manual for the Bounty Hunter Legacy 1500 metal detector, covering assembly, operation, sensitivity adjustment, discrimination, troubleshooting, and warranty information. Learn how to use your metal detector effectively for treasure hunting.</p>