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### LESU THZH1507-AMZUS2-S

# LESU 1/14 RC Hydraulic Dumper Truck with Crane Instruction Manual

MODEL: THZH1507-AMZUS2-S

## 1. OVERVIEW

This manual provides essential information for the safe operation, setup, and maintenance of your LESU 1/14 scale RC Hydraulic Dumper Truck with Crane. This hobby-grade model is an advanced remote-controlled construction vehicle featuring an 8x8 drive system, hydraulic dumper bed, and a functional hydraulic crane.

## Product Features

- Advanced 8x8 drive system with lockable differentials for varied terrain.
- Hydraulic dumper bed capable of self-unloading and full unloading actions.
- Integrated hydraulic crane for lifting and positioning.
- 2-speed metal gearbox with 540 27T brushed motor and 320A ESC.
- Realistic sound system with V8, V6, and L6 engine sounds.
- Functional light system.
- Flysky Paladin PL18Ev remote controller and receiver included.

## Package Contents

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

- 1/14 LESU RC 8x8 Dumper Truck
- Metal Crane
- Servo (pre-installed)
- Motor (pre-installed)
- ESC (pre-installed)
- Hydraulic System (pre-installed)
- Sound System (pre-installed)
- Light System (pre-installed)
- Flysky Paladin PL18Ev Remote Controller
- Receiver (pre-installed)

- Battery
- Charger



Image: The LESU 1/14 RC Hydraulic Dumper Truck with its remote control, battery, and charger.

## 2. SAFETY INFORMATION

Operating this advanced RC model requires attention to safety to prevent injury or damage. Please read and understand all safety instructions before use.

- **Recommended Age:** This product is recommended for users 21 years and up due to its complexity and operational requirements.
- **Moving Parts:** Keep hands, hair, and loose clothing clear of all moving parts, including wheels, dumper bed, and crane mechanisms, during operation.
- **Hydraulic System:** The hydraulic system operates under pressure. Do not attempt to modify or tamper with the hydraulic lines or cylinders. Ensure hydraulic oil is handled safely and kept away from children and pets.
- **Battery Safety:** Always use the provided charger and battery. Do not overcharge, puncture, or expose batteries to extreme temperatures. Disconnect the battery when not in use.
- **Operating Environment:** Operate the model in open areas, away from people, pets, and obstacles. Avoid operating near water or in adverse weather conditions.
- **Supervision:** Adult supervision is recommended, especially for new operators.

## 3. SETUP

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### Initial Inspection

Upon unboxing, carefully inspect the truck and all components for any signs of damage during transit. Ensure all pre-assembled parts are securely fastened.

### Battery Charging

1. Connect the included charger to a power outlet.
2. Connect the battery to the charger. Observe the charger's indicator lights for charging status.
3. Once fully charged, disconnect the battery from the charger. Never leave batteries unattended while charging.

### Remote Controller Setup (Flysky Paladin PL18Ev)

The Flysky Paladin PL18Ev remote controller is pre-bound to the truck's receiver. Refer to the separate PL18Ev manual for detailed instructions on its features and advanced settings. Ensure the remote controller's battery is charged before use.

### Hydraulic System Preparation

The hydraulic system requires hydraulic oil, which is **not included** in the package. Obtain suitable hydraulic oil for RC models. Carefully fill the hydraulic reservoir according to the instructions provided with the hydraulic system or refer to the manufacturer's guidelines. Ensure no air bubbles are present in the system after filling.

## 4. OPERATING INSTRUCTIONS

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### Basic Vehicle Control

- **Power On:** Turn on the remote controller first, then connect the battery to the truck.
- **Movement:** Use the appropriate joystick on the remote controller to control forward, reverse, and steering.
- **Gear Shifting:** The 2-speed metal gearbox allows for different speeds. Consult the PL18Ev manual for the specific control assigned to gear shifting.
- **Differential Lock:** The truck features lockable differentials for improved traction on challenging terrain. Use the designated control on the remote to engage or disengage the differential lock. This allows all wheels to maintain the same speed or different speeds as needed.

### Dumper Bed Operation

The hydraulic dumper bed can perform two actions: self-unloading and full unloading. These actions are controlled by the hydraulic system's 4 cylinders and the 7-way reversing valve.

- **Self-Unloading:** This action typically involves raising the front of the dumper bed to allow material to slide out.
- **Full Unloading:** This action involves raising the entire dumper bed to a steeper angle for complete material discharge.

Refer to your PL18Ev remote controller manual for specific joystick or switch assignments for dumper bed control.



Image: The dumper bed in a raised position for unloading.

## Crane Operation

The integrated metal crane is controlled by the hydraulic system and multiple servos. It can be extended, rotated, and articulated for precise lifting and placement tasks.

- **Stabilizers:** Before operating the crane, deploy the front stabilizers (outriggers) for increased stability, especially when lifting heavy loads.
- **Crane Movement:** Use the designated controls on your PL18Ev remote to operate the crane's various functions, including rotation, main arm extension, and secondary arm articulation.
- **Load Capacity:** The hydraulic system is designed to lift approximately 20kg. Do not exceed this capacity to prevent damage to the crane or truck.



Image: The hydraulic crane extended to its full reach.



Image: Front view of the truck with stabilizers deployed for crane operation.

## Sound and Light System

The truck is equipped with a realistic sound system offering V8, V6, and L6 engine sounds, and a functional light system. Controls for these features are typically assigned to switches or buttons on the remote controller. Refer to the PL18Ev manual for specific assignments.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RC dumper truck.

### General Cleaning

- After each use, clean the truck to remove dirt, dust, and debris. Use a soft brush or compressed air for hard-to-reach areas.
- Avoid using water directly on electronic components. If cleaning with a damp cloth, ensure all parts are dry before reconnecting the battery.

## Hydraulic System Maintenance

- Periodically check the hydraulic oil level and top up as needed.
- Inspect hydraulic lines and connections for leaks or damage. Address any leaks immediately to maintain system pressure and prevent component failure.
- Ensure the brass oil cylinders remain clean and free of obstructions.



Image: Detail of the crane's hydraulic lines and components.

## Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, charge batteries to approximately 50% capacity.
- Never fully discharge batteries, as this can reduce their lifespan.

## Motor and ESC Care

- Ensure adequate ventilation around the motor and ESC during operation to prevent overheating.
- Keep the motor free of debris that could impede its rotation.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your RC dumper truck.

- **Vehicle Not Responding:**

- Check if the remote controller and truck are powered on.
- Ensure the battery is charged and properly connected.
- Verify the remote controller is bound to the receiver.

- **Hydraulic System Weak/Not Operating:**

- Check hydraulic oil level in the reservoir.
- Inspect for any leaks in the hydraulic lines or cylinders.
- Ensure the hydraulic pump motor is functioning.

- **Loss of Control/Erratic Behavior:**

- Check for interference from other radio sources.
- Ensure the remote controller's battery is not low.
- Inspect for any loose wiring or damaged servos.

- **Motor Not Running:**

- Check battery connection and charge.
- Ensure ESC is properly connected and calibrated with the remote controller.
- Inspect motor wiring for damage.

If you encounter issues not covered here or require further assistance, please contact LESU customer support.

## 7. SPECIFICATIONS

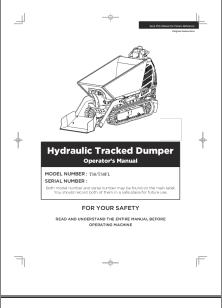
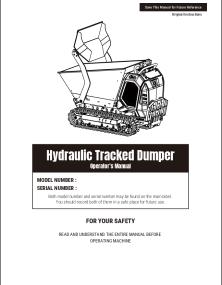
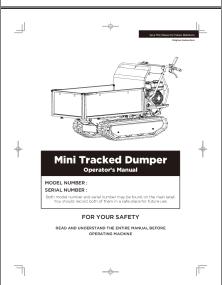
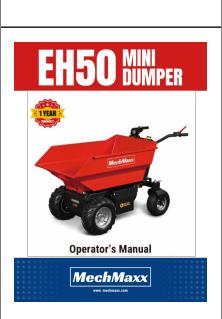
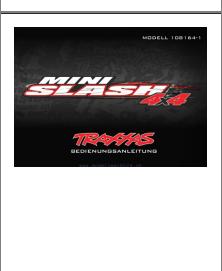
Specification	Detail
Manufacturer	LESU
Model Number	THZH1507-AMZUS2-S
Scale	1/14
Product Dimensions	19.2 x 13.6 x 37.6 inches
Material	Stainless Steel, Aluminum Alloy, Plastic, Rubber
Truck Color	Dark Blue
Crane Color	Red & Black
Recommended Age	21 years and up
Hydraulic Lift Capacity	Approx. 20kg

## 8. WARRANTY AND SUPPORT

For any questions, concerns, or technical support regarding your LESU 1/14 RC Hydraulic Dumper Truck with Crane, please contact LESU customer service. Refer to your purchase documentation for specific warranty details.

You can also visit the official LESU store for more information and products:[LESU Store on Amazon](#)

## Related Documents - THZH1507-AMZUS2-S

	<p><a href="#">Crytec T50/T50FL Hydraulic Tracked Dumper Operator's Manual</a></p> <p>Operator's manual for the Crytec T50/T50FL Hydraulic Tracked Dumper, covering safety, specifications, operation, maintenance, and troubleshooting. Includes detailed parts lists and assembly instructions.</p>
	<p><a href="#">MechMaxx T80 Hydraulic Tracked Dumper Operator's Manual</a></p> <p>Comprehensive operator's manual for the MechMaxx T80 Hydraulic Tracked Dumper, detailing specifications, safety guidelines, operational procedures, maintenance schedules, and troubleshooting steps.</p>
	<p><a href="#">Mini Tracked Dumper Operator's Manual - Safety, Operation, and Maintenance Guide</a></p> <p>Comprehensive operator's manual for the Mini Tracked Dumper, covering safety guidelines, detailed operation instructions, assembly procedures, maintenance schedules, troubleshooting tips, and a complete parts list. Learn how to safely and effectively use your tracked dumper.</p>
	<p><a href="#">Venturo ET18KX(P) Parts and Installation Manual</a></p> <p>This comprehensive manual from Venco Venturo Industries LLC details the installation, operation, maintenance, and parts for Venturo ET18KX and ET18KXP electric hydraulic telescopic service cranes, emphasizing safety and performance.</p>
	<p><a href="#">MechMaxx EH50 Mini Dumper Operator's Manual</a></p> <p>Comprehensive operator's manual for the MechMaxx EH50 Mini Dumper, covering specifications, safety guidelines, assembly, operation, maintenance, troubleshooting, and parts list. Learn to safely and effectively use your electric wheelbarrow.</p>
	<p><a href="#">Traxxas Mini Slash 4x4 Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für den Traxxas Mini Slash 4x4 RC-Truck, inklusive Sicherheitshinweisen, Setup-Anleitungen, Wartungstipps und Radio-System-Informationen. Erfahren Sie mehr über Leistung, Haltbarkeit und Betrieb.</p>