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› wheelfun 1/14 4x4 RC Hydraulic Wheeled Excavator LR914 Instruction Manual

**wheelfun LR914**

# **wheelfun 1/14 4x4 RC Hydraulic Wheeled Excavator LR914 Instruction Manual**

Model: LR914

## **1. INTRODUCTION**

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This manual provides essential information for the safe and effective operation, maintenance, and setup of your wheelfun 1/14 4x4 RC Hydraulic Wheeled Excavator LR914. Please read this manual thoroughly before operating the model to ensure proper function and longevity.



Figure 1: The wheelfun 1/14 4x4 RC Hydraulic Wheeled Excavator LR914, including the remote controller and battery.

## 2. PACKAGE CONTENTS

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### 2.1. Included in the Package:

- 1/14 RC Hydraulic Excavator Model LR914
- ESC (Electronic Speed Controller)
- Motor
- Servo
- Light System
- Sound System
- Hydraulic System with 8-ways Reversing Valve
- Integrated Pump and Oil Tank
- Manual Quick Release Coupler
- Single Color Rotating Warning Light
- Dual Color Rotating Warning Light
- Spotlights
- Cabin Roof Guard Rail
- Cabin Front Guard Rail
- Cabin Rear Roof Guard

- Front Dozer Blade Hook
- Flysky Paladin PL18EV Lite Remote Controller and Receiver
- Battery
- Tools

## **2.2. Not Included in the Package:**

- Charger
- Hydraulic Oil

## **3. SETUP**

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### **3.1. Initial Inspection**

Upon unpacking, carefully inspect all components for any signs of damage. Ensure all parts listed in the package contents are present. If any items are missing or damaged, contact customer support immediately.

### **3.2. Battery Installation and Charging**

1. Locate the battery compartment on the excavator.
2. Connect the included battery to the excavator's power connector.
3. Secure the battery within its compartment.
4. Charge the battery using a compatible charger (not included) before first use. Refer to the battery manufacturer's instructions for charging procedures.
5. The remote controller requires 1 D battery. Install this battery into the remote controller's battery compartment, observing correct polarity.

### **3.3. Hydraulic Oil Filling**

The hydraulic system requires hydraulic oil for operation. Since hydraulic oil is not included, you must purchase suitable hydraulic oil separately. Carefully fill the integrated oil tank according to the markings, ensuring not to overfill. Consult the hydraulic system diagram for the exact filling point.

### **3.4. Attaching Accessories**

Attach the cabin roof guard rail, cabin front guard rail, cabin rear roof guard, spotlights, and warning lights as indicated in the assembly diagrams (not provided in this text, but typically found in a physical manual). Ensure all connections are secure.



Figure 2: Detail of the excavator's cabin, showing the front guard rail and integrated spotlights.



Figure 3: Rear view detail, highlighting a spotlight and a warning light on the excavator.

## 4. OPERATING INSTRUCTIONS

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### 4.1. Powering On

1. Turn on the remote controller first.
2. Then, turn on the power switch on the excavator. The model should emit a startup sound and lights will activate.
3. Allow the remote controller and excavator to establish a connection.

### 4.2. Basic Controls (Flysky Paladin PL18EV Lite)

The Flysky Paladin PL18EV Lite remote controller provides precise control over the excavator's functions. Familiarize yourself with the joystick and switch assignments for various movements:

- **Driving:** Use the primary joysticks to control forward, backward, and steering movements.
- **Boom/Arm/Bucket:** The 8-way hydraulic valve allows for independent control of the main arm, middle arm, and bucket. Practice smooth, coordinated movements.
- **Dozer Blade/Support Legs:** Operate the front dozer blade and rear support legs using designated

switches or levers on the remote.

- **Lights & Sound:** Activate the light system, sound system, and warning lights via specific switches on the remote controller.



Figure 4: The excavator positioned for digging, showcasing its front-side profile.



Figure 5: Side profile of the excavator, demonstrating the full extension of its hydraulic arm.

### 4.3. Advanced Features

- **Hydraulic Front Axle Locking:** This function prevents the excavator from tilting during heavy operations, enhancing stability. Activate it as needed via the remote controller.
- **Differential Lock:** The differential lock balances flexibility and power, allowing for improved traction on varied terrains.
- **Tow Hook:** The support legs feature a tow hook for towing tasks.

### 4.4. Operational Videos

Your browser does not support the video tag.

Video 1: Demonstration of the wheelfun 1/14 4x4 RC Hydraulic Wheeled Excavator LR914 in action, showcasing its digging and loading capabilities.

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Video 2: Further demonstration of the 1/14 4x4 RC Hydraulic Wheeled Excavator LR914, highlighting the precision of its 8-way hydraulic valve system.

## 5. MAINTENANCE

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### 5.1. General Cleaning

After each use, especially when operating in dusty or dirty environments, clean the excavator thoroughly. Use a soft brush or compressed air to remove debris from moving parts, wheels, and the chassis. Avoid using water directly on electronic components.

### 5.2. Hydraulic System Check

Regularly check the hydraulic oil level in the integrated tank. Top up with appropriate hydraulic oil as needed. Inspect hydraulic lines and cylinders for any leaks or damage. Ensure all connections are tight.

### 5.3. Battery Care

Always disconnect the battery from the excavator when not in use. Store batteries in a cool, dry place. Do not overcharge or completely discharge the battery, as this can reduce its lifespan. If the model will not be used for an extended period, store the battery at approximately 50% charge.

## **5.4. Lubrication**

Periodically apply a small amount of appropriate lubricant to moving joints and pivot points to ensure smooth operation and prevent wear.

## **6. TROUBLESHOOTING**

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### **6.1. Model Not Responding**

- Ensure both the remote controller and excavator are powered on.
- Check battery levels in both the excavator and the remote controller. Replace or recharge as necessary.
- Verify that the remote controller and receiver are properly bound. Refer to the remote controller's manual for binding procedures.

### **6.2. Weak Hydraulic Movement**

- Check the hydraulic oil level and refill if low.
- Inspect for any air bubbles in the hydraulic system. Operate the system through its full range of motion several times to bleed air.
- Ensure the battery is fully charged, as low power can affect hydraulic performance.

### **6.3. Unusual Noises**

- Identify the source of the noise. It could be from the motor, gears, or hydraulic pump.
- Check for any obstructions or loose parts.
- If the noise persists, discontinue use and contact customer support.

## **7. SPECIFICATIONS**

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Feature	Specification
Manufacturer	wheelfun
Item Condition	New, Painted and Assembled
Material	Metal, Plastic (Most parts metal, cabin glass and some decorative parts plastic)
Net Weight	Approx. 9.3KG (20.5 lbs)
Scale	1/14
Axle Configuration	4x4, with Differential Lock
Hydraulic Valve	8-Channel
Remote Controller	Flysky Paladin PL18EV Lite
Product Dimensions	33.2 x 13.2 x 12.4 inches
Item Weight	29 pounds
Item Model Number	TH25199-AMZUS2-S
Recommended Age	21 years and up
Batteries Required	1 D battery (for remote controller)

## 8. WARRANTY AND SUPPORT

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For warranty information, technical support, or replacement parts, please contact wheelfun customer service through the retailer where the product was purchased. Keep your proof of purchase for warranty claims.