

manuals.plus /

> [wheelfun](#) /

> [Kabolite 1/14 RC Hydraulic Excavator K970-200 Instruction Manual](#)

wheelfun K970-200

Kabolite 1/14 RC Hydraulic Excavator K970-200 Instruction Manual

Model: K970-200 | Brand: wheelfun

1. INTRODUCTION

Thank you for choosing the Kabolite 1/14 RC Hydraulic Excavator K970-200. This high-quality, ready-to-run (RTR) metal RC construction vehicle model is designed for enthusiasts seeking a realistic and powerful remote-controlled experience. This manual provides essential information for the safe and effective operation, maintenance, and care of your excavator.



Image: The Kabolite 1/14 RC Hydraulic Excavator K970-200, showcasing its detailed design and robust construction.

2. WHAT'S IN THE BOX

Upon unpacking, please ensure all the following components are present:

- Remote Control
- Battery
- Charger
- Screwdriver
- Playmat
- Manual Book
- Sticker Set
- Light System (pre-installed)
- Sound System (pre-installed)





Image: The excavator as it appears when first removed from its protective packaging.

3. SETUP

Follow these steps to prepare your Kabolite K970-200 for operation:

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any visible damage.
2. **Battery Installation:** Locate the battery compartment, typically on the side or rear of the main body. Connect the provided battery to the excavator's power connector. Ensure a secure connection.
3. **Remote Control Preparation:** Install batteries into the PL18Ev Lite Radio remote control (batteries for the remote control may be sold separately).
4. **Initial Power-On:** Turn on the excavator first, then the remote control. This sequence helps establish a proper connection.
5. **Attachment of Accessories:** Attach any loose accessories such as handrails or mirrors using the provided screwdriver, if not already installed.



Image: A detailed side view of the excavator, highlighting the full metal body and track system.

Setup and Operation Video Guide

Your browser does not support the video tag.

Video: This official video demonstrates the unboxing, initial setup, battery installation, and basic operational functions of the Kabolite 1/14 RC Hydraulic Excavator K970-200.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the remote control functions before operating the excavator. The PL18Ev Lite Radio provides precise control over all movements.

4.1 Basic Movements

- **Forward/Backward:** Use the designated joystick or lever to move the excavator forward or backward.
- **Turning:** Control left and right turns using the appropriate controls, allowing for precise maneuvering.

- **Rotation:** The upper structure (cab and boom) can rotate 360 degrees. Use the dedicated control for rotation. The rotating disc has a driving torque of 60Kg and a rotating speed of 8Rpm.

4.2 Excavator Arm and Bucket Operation

The hydraulic system allows for realistic and powerful arm and bucket movements. The working pressure is approximately 3.5Mpa (35Kg), with a limit pressure of about 6-8Mpa.

- **Boom Control:** Raise and lower the main boom.
- **Arm Control:** Extend and retract the arm (dipper stick).
- **Bucket Control:** Open and close the bucket for digging and dumping.



Image: The excavator positioned with its bucket ready to engage with material.



Image: A detailed view of the excavator's robust metal bucket, designed for effective digging.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Kabolite K970-200.

- **Cleaning:** After each use, clean the excavator to remove dirt, dust, and debris. Pay special attention to the tracks, hydraulic cylinders, and moving parts. Use a soft brush and cloth.
- **Hydraulic System:** Periodically check the hydraulic fluid levels and inspect all brass tubes and connections for leaks. The oil cylinder is equipped with a guard plate for protection; ensure it is secure.
- **Track System:** Inspect the stainless steel drive system, including tracks, return rollers, and driving wheels, for wear or damage. Keep tracks free of obstructions.
- **Battery Care:** Always charge the battery using the provided charger. Do not overcharge or completely discharge the battery. Store batteries in a cool, dry place when not in use.
- **General Inspection:** Regularly check all screws and fasteners for tightness. Ensure all moving parts operate smoothly.



Image: Detailed view of the excavator's hydraulic cylinders and associated plumbing, critical for its operation.

6. TROUBLESHOOTING

If you encounter issues with your excavator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Excavator does not power on.	Battery not charged or improperly connected.	Ensure battery is fully charged and securely connected. Check power switch.
Remote control not responding.	Remote control batteries low or not installed correctly; binding issue.	Replace remote control batteries. Re-bind the remote control to the excavator as per its specific instructions.
Hydraulic functions are weak or unresponsive.	Low hydraulic fluid; air in the system; hydraulic pump issue.	Check hydraulic fluid level and refill if necessary. Consult technical support for bleeding air or pump issues.
Tracks are not moving smoothly.	Debris in tracks; track tension too tight/loose; motor issue.	Clear any debris from the tracks. Adjust track tension if possible. Contact support if motor issues are suspected.

If the item is damaged out of the box, please contact customer service for a free replacement part. For complex issues, our professional after-sales team and technical maintenance team can provide guidance in English through video or text for repairs.

7. SPECIFICATIONS

- **Model:** K970-200
- **Scale:** 1/14

- **Material:** Metal, Plastic
- **Color:** Yellow
- **Excavator Size:** 685 x 312 x 392 MM (26.97 x 12.28 x 15.43 inches)
- **Excavator Weight:** 30.5 KG (67.24 lbs)
- **Maximum Digging Depth:** 121.5 MM (4.78 inches)
- **Digging Power:** 20~50 KG
- **Hydraulic Working Pressure:** Approx. 3.5Mpa (35Kg)
- **Hydraulic Limit Pressure:** Approx. 6-8Mpa
- **Travel Drive Torque:** Approx. 80Kg
- **Travel Speed:** Approx. 46Rpm
- **Rotating Disc Driving Torque:** 60Kg
- **Rotating Disc Speed:** 8Rpm
- **Maximum Travel Speed:** 0.6 Km/H
- **Manufacturer Recommended Age:** 21 years and up

8. WARRANTY AND SUPPORT

Your Kabolite K970-200 is backed by our commitment to quality. In the event of damage upon arrival, we offer to resend a free replacement part. For any technical assistance, maintenance guidance, or repair inquiries, our professional after-sales and technical maintenance teams are available to provide support in English via video or text communication.

Please retain your purchase receipt for warranty claims. For further assistance, visit the official wheelfun store or contact customer service through the platform where you purchased the product.

Our mission is to provide fun and exploration opportunities of hydraulic principles for hobby-level players, inspiring interest in science, engineering, and technology through practical and interactive means.