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Amewi 22431

Amewi 22431 ACV730 1:14 Scale RC Tracked Excavator Instruction Manual

Model: 22431

INTRODUCTION

Thank you for purchasing the Amewi 22431 ACV730 1:14 Scale RC Tracked Excavator. This sophisticated and high-quality replica of a heavy tracked excavator offers a realistic operating experience with high fidelity to detail and premium materials. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure you get the most out of your model.



Image: The Amewi ACV730 RC Tracked Excavator, showcasing its detailed design and robust construction.

SAFETY WARNINGS

- **Age Recommendation:** This product is suitable for children aged 8 years and older. Adult supervision is recommended.
- **Battery Safety:** Use only the specified Li-Ion battery (7.4V, 1200mAh, JST-BEC plug). Do not mix

old and new batteries, or different types of batteries. Always remove batteries when not in use for extended periods.

- **Charging:** Charge batteries using the provided USB charging cable only. Do not overcharge.
- **Operating Environment:** The model is designed for outdoor use with splash water protection. Avoid operating in heavy rain or extreme wet conditions. Keep away from water bodies.
- **Moving Parts:** Keep fingers, hair, and loose clothing away from moving parts such as tracks and the excavator arm to prevent injury.
- **Interference:** The 2.4 GHz control system minimizes interference, but avoid operating near other radio-controlled devices to ensure optimal control.
- **Overload Protection:** The transmission parts in the arms are equipped with overload protection. Do not force movements if resistance is encountered.

PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- Amewi ACV730 RC Tracked Excavator (1:14 Scale)
- 2.4 GHz Remote Control (European standard)
- USB Charging Cable
- Instruction Manual (German/English)

Note: The 7.4V Li-Ion 1200mAh battery for the excavator and batteries for the remote control are not included and must be purchased separately.

SETUP

1. Battery Installation (Excavator)

1. Locate the battery compartment on the excavator, typically under a removable cover on the chassis or rear.
2. Open the battery compartment cover.
3. Connect the 7.4V Li-Ion 1200mAh battery (JST-BEC plug) to the excavator's power connector. Ensure correct polarity.
4. Carefully place the battery inside the compartment and close the cover securely.



Image: The 7.4V Li-Ion 1200mAh battery pack with its JST-BEC connector, used to power the excavator.

2. Battery Installation (Remote Control)

1. Locate the battery compartment on the back of the remote control.
2. Open the battery compartment cover.
3. Insert the required batteries (e.g., AA or AAA, refer to remote control markings) into the compartment, observing the correct polarity (+/-).
4. Close the battery compartment cover securely.



Image: The 2.4 GHz remote control for the Amewi ACV730 excavator, showing its dual joysticks and control buttons.

3. Charging the Excavator Battery

1. Connect the JST-BEC plug of the excavator battery to the USB charging cable.
2. Plug the USB charging cable into a suitable USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator on the USB cable will show the charging status (e.g., red for charging, green for fully charged).
4. Charging typically takes a few hours. Do not leave unattended during charging.

OPERATING INSTRUCTIONS

1. Power On/Off

- Turn on the remote control first using its power switch.
- Turn on the excavator using its power switch (usually located near the battery compartment or under the cabin).
- The remote control and excavator should automatically pair. An indicator light on both devices will confirm successful pairing.
- To power off, turn off the excavator first, then the remote control.

2. Basic Controls (European Standard)

The remote control features a European standard control layout, similar to real excavators, allowing for precise and independent control of various functions.

- **Left Joystick:** Controls the movement of the tracks (forward, backward, left, right). Tracks are

individually controllable for realistic maneuvering.

- **Right Joystick:** Controls the excavator arm and bucket movements (up, down, extend, retract, scoop, dump).
- **Turret Rotation:** Use dedicated buttons or a specific joystick input to rotate the turret 360 degrees.
- **Light and Sound:** Activate realistic light and sound effects using designated buttons on the remote control.
- **Other Functions:** Explore the 22 available functions through various button combinations or additional controls on the remote. Refer to the remote control diagram in the included manual for specific button assignments.



Image: Top-down view of the excavator's cabin and arm, illustrating the range of motion and detailed components.



Image: Close-up of the excavator arm's hydraulic-like mechanism, demonstrating its articulation.

MAINTENANCE

1. Cleaning

- After each use, especially outdoors, gently wipe down the excavator with a soft, dry cloth to remove dirt and dust.
- For stubborn dirt, a slightly damp cloth can be used, but ensure no water enters electronic components.
- Clean the tracks regularly to prevent debris from hindering movement.

2. Storage

- Store the excavator and remote control in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove all batteries from both the excavator and the remote control if storing for an extended period to prevent leakage.

TROUBLESHOOTING

- **Excavator not responding:**
 - Ensure both the excavator and remote control are powered on.
 - Check if batteries in both devices are fully charged and correctly installed.
 - Verify that the remote control and excavator are properly paired.
- **Weak performance or short runtime:**
 - The excavator battery may need recharging.
 - Remote control batteries may be low and need replacement.
- **Arm or bucket not moving correctly:**
 - Check for any obstructions in the arm or bucket mechanism.
 - Ensure the overload protection has not been triggered. Reduce the load if attempting to lift heavy objects.
- **Interference during operation:**
 - Move to an area away from other radio-controlled devices or strong electromagnetic sources.

SPECIFICATIONS

Feature	Detail
Model Number	22431
Brand	Amewi

Scale	1:14
Dimensions (L x W x H)	61 x 34.5 x 24 cm
Weight	2.33 kg (with battery)
Material	Plastic (with metal shovel)
Control System	2.4 GHz European Standard
Functions	22 functions, 360° turret rotation, realistic light and sound
Max Speed	Approx. 5 km/h
Excavator Battery	7.4V Li-Ion, 1200 mAh, JST-BEC plug (approx. 20 min runtime)
Charging	Via USB cable
Age Recommendation	8 years and up

WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts inquiries, please contact Amewi customer service directly. Refer to the contact details provided on the product packaging or the official Amewi website. Please have your model number (22431) and proof of purchase ready when contacting support.