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› GoolRC 1:20 Scale RC Excavator Instruction Manual

GoolRC THF3172170592423WK

GoolRC 1:20 Scale RC Excavator Instruction Manual

Model: THF3172170592423WK

1. INTRODUCTION

Thank you for purchasing the GoolRC 1:20 Scale RC Excavator. This remote-controlled engineering vehicle is designed to provide a realistic and engaging play experience with its 11-channel functionality, lights, and sound effects. This manual provides essential information for the safe and proper setup, operation, maintenance, and troubleshooting of your RC excavator.



Image 1.1: GoolRC 1:20 Scale RC Excavator

2. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- 1 x GoolRC 1:20 Scale RC Excavator
- 1 x 2.4GHz Remote Control
- 1 x Rechargeable Lithium-Ion Battery (for Excavator)
- 1 x USB Charging Cable
- 2 x AA Batteries (for Remote Control)
- 1 x Screwdriver
- 1 x Instruction Manual (this document)



Image 2.1: Included components in the GoolRC RC Excavator package.

3. SAFETY INFORMATION

WARNING: Not suitable for children under 3 years due to small parts. Adult supervision is recommended for all users.

- Always operate the RC excavator in a safe environment, away from people, pets, and obstacles.
- Do not operate near water or in wet conditions to prevent electrical damage.
- Ensure batteries are inserted with correct polarity.
- Do not mix old and new batteries, or different types of batteries.
- Rechargeable batteries must only be charged under adult supervision.
- Remove batteries from the toy and remote control when not in use for extended periods.
- Do not attempt to modify or disassemble the product, as this may cause damage or injury.

4. SETUP

4.1 Battery Installation

1. Excavator Battery:

- a. Locate the battery compartment on the underside or rear of the excavator. Use the provided screwdriver to open the compartment.
- b. Connect the rechargeable Lithium-Ion battery to the excavator's power connector.
- c. Carefully place the battery inside the compartment and close the cover securely with the screwdriver.

2. Remote Control Batteries:

- a. Locate the battery compartment on the back of the remote control. Use the screwdriver to open it.
- b. Insert 2 x AA batteries, ensuring correct polarity (+/-).
- c. Close the compartment cover securely with the screwdriver.

4.2 Charging the Excavator Battery

1. Connect the rechargeable Lithium-Ion battery to the USB charging cable.
2. Plug the USB charging cable into a standard USB power adapter (e.g., phone charger, computer USB port).
3. The indicator light on the USB cable will show the charging status (e.g., red for charging, off or green for fully charged).
4. Charging typically takes 2-3 hours. Do not overcharge the battery.

4.3 Pairing the Remote Control

The excavator and remote control are usually pre-paired. If they do not connect automatically:

1. Ensure both the excavator and remote control have fresh batteries and are powered on.
2. Place the excavator on a flat surface.
3. Turn on the excavator, then turn on the remote control.
4. The remote control's indicator light should stop flashing and become solid, indicating a successful connection.

5. OPERATING INSTRUCTIONS

The GoolRC RC Excavator features an 11-channel 2.4GHz remote control for precise movements and functions. Familiarize yourself with the remote control layout:



Image 5.1: GoolRC RC Excavator Remote Control Functions

5.1 Basic Movements

- **Forward/Backward:** Use the left joystick (labeled 'Forward' and 'Backward').
- **Turn Left/Right:** Use the left joystick to turn while moving forward or backward.
- **Console Rotation:** Use the buttons below the left joystick to rotate the excavator's console 680 degrees left or right.

5.2 Arm and Bucket Control

- **Digging:** Use the right joystick to control the digging action of the bucket.
- **Unloading:** Use the right joystick to control the unloading action of the bucket.
- The excavator can imitate realistic digging and sand-moving actions.

5.3 Special Functions

- **One-Click Demo:** Press the 'One-Click Demo' button (top center of remote) to activate an automatic demonstration sequence of the excavator's functions.
- **Lights:** Press the 'Light' button to turn the excavator's lights on or off.

- **Sound:** Press the 'Sound' button to activate or deactivate the realistic operation sounds.

5.4 Operating Environment

The excavator is designed for various terrains, including sand, mountain roads, and grassland, providing a versatile play experience.



Image 5.2: Excavator operating on various terrains.

5.5 Product Video

Watch this video for a demonstration of the GoolRC RC Excavator's features and operation:

Video 5.1: GoolRC Remote Control Engineering Vehicles Demonstration. This video showcases the excavator's movements, digging capabilities, and interaction with other construction vehicles.

6. MAINTENANCE

- **Cleaning:** After use, especially in dusty or sandy environments, gently wipe the excavator with a dry or slightly

damp cloth. Avoid using harsh chemicals or excessive water.

- **Storage:** Store the excavator and remote control in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Always remove batteries from the remote control and excavator if not used for an extended period. Ensure the rechargeable battery is fully charged before long-term storage and recharged periodically to maintain its health.
- **Inspection:** Regularly check for any loose parts, damaged wires, or debris in the tracks or moving components.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Excavator does not move or respond.	Low battery in excavator or remote; not paired; power switch off.	Charge excavator battery; replace remote batteries; ensure both are powered on; re-pair if necessary.
Short operating time.	Battery not fully charged; old or worn-out battery.	Ensure battery is fully charged before use. Consider replacing the battery if it's old.
Interference during operation.	Operating near other 2.4GHz devices; too far from remote.	Move to an area with less interference; ensure excavator is within remote control range.
Arm/bucket not functioning correctly.	Debris in moving parts; mechanical obstruction.	Inspect and clear any debris from the arm and bucket mechanisms.

8. SPECIFICATIONS

- **Brand:** GoolRC
- **Model Name:** RC Excavator
- **Model Number:** THF3172170592423WK
- **Scale:** 1:20
- **Channels:** 11 Channel
- **Material:** ABS
- **Power Source:** Battery Powered
- **Excavator Battery:** Lithium-Ion (Rechargeable)
- **Remote Control Batteries:** 2 x AA (Included)
- **Operating Frequency:** 2.4GHz
- **Functions:** Forward, Backward, Turn Right/Left, Rise/Drop, One-Click Demo, Music, Light, 680° Console Rotation
- **Educational Objective:** Promote intellectual development and cultivate interest in various abilities
- **Assembly Required:** Yes (minor assembly)

9. WARRANTY AND SUPPORT

GoolRC products are manufactured to high-quality standards. For any questions, technical support, or warranty inquiries, please contact GoolRC customer service through your retailer or the official GoolRC website. Please retain your proof of purchase for warranty claims.

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