Hogokids 13019

HOGOKIDS Remote Controlled Dragon Toy - Model 13019 User Manual

1. Introduction

Thank you for choosing the HOGOKIDS Remote Controlled Dragon Toy, Model 13019. This 485-piece construction set allows you to build an interactive dragon that can be controlled via a 2.4 GHz remote control or a dedicated mobile application. This manual provides detailed instructions for assembly, setup, operation, maintenance, and troubleshooting to ensure a rewarding experience.

2. Product Overview

The HOGOKIDS Dragon Toy is designed to offer an engaging building and play experience. It features a highly flexible body with movable head, jaw, legs, neck, wings, and a tail that can be positioned dynamically. The toy supports dual control methods, including a physical remote and an app with advanced modes like path control, voice control, gravity detection, and STEM programming.



Image 2.1: Fully assembled HOGOKIDS Remote Controlled Dragon Toy.



Image 2.2: Diagram highlighting the dragon's movable parts: cool wings, moving tail, posable head and jaw, and flexible limbs.

2.1 Package Contents

The package includes all necessary components for building and operating your dragon toy:

- Building Blocks (485 pieces)
- Instruction Manual
- Motor Package (with rechargeable battery)
- Stickers for detailing
- USB Charging Cable
- 2.4 GHz Remote Control

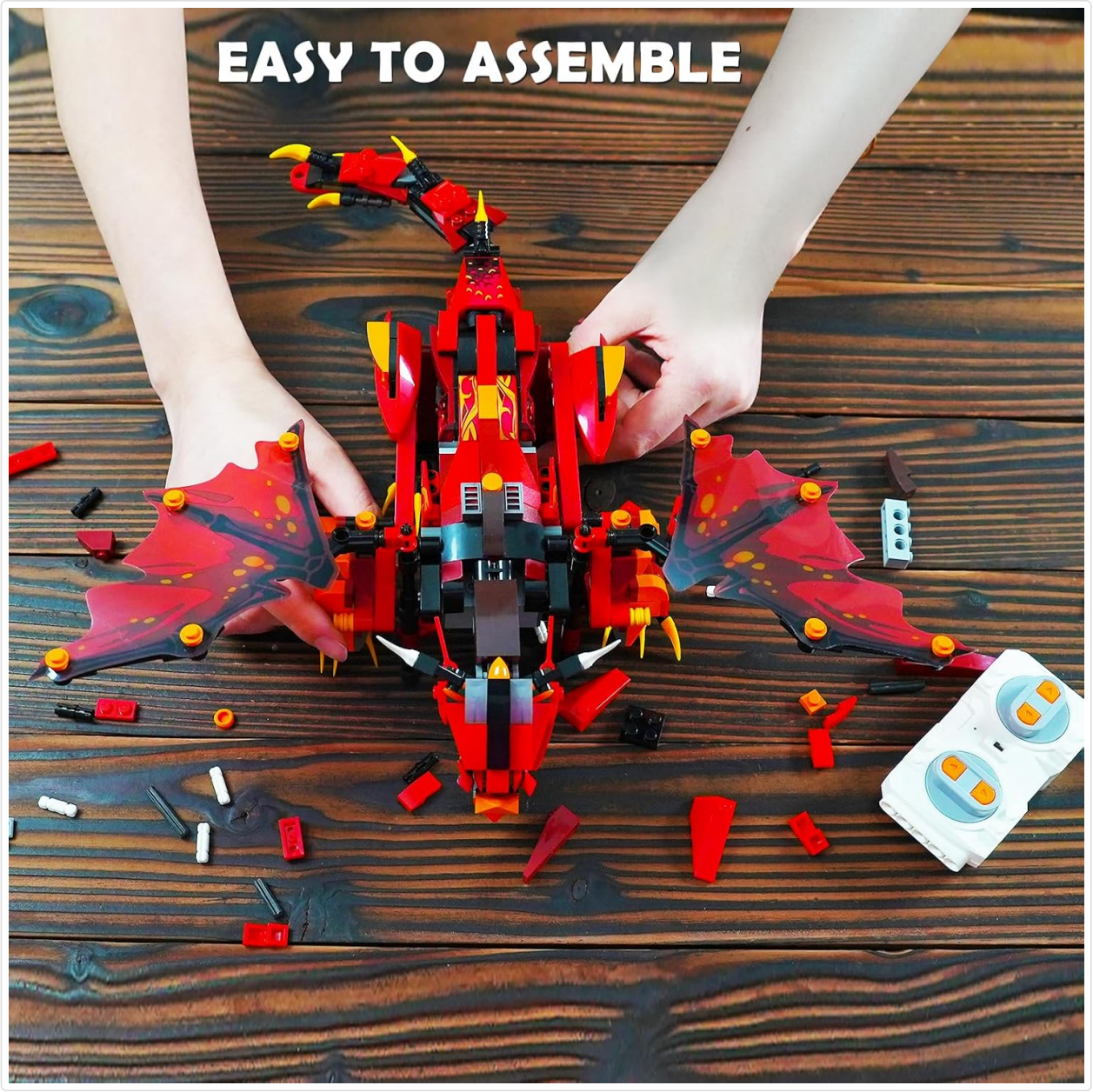


Image 2.3: Contents of the HOGOKIDS Dragon Toy package.

3. Assembly Instructions

The HOGOKIDS Dragon Toy is designed for straightforward assembly. Please follow the step-by-step instructions provided in the dedicated instruction manual included in your package. Ensure all 485 pieces are accounted for before beginning assembly.

1. Unpack all components and verify against the parts list in the included manual.
2. Follow the visual and textual steps in the instruction manual carefully.
3. Connect the motor package as indicated in the manual during the assembly process.
4. Apply the decorative stickers once the main structure is complete, as per the manual's guidance.



Image 3.1: Hands demonstrating the assembly process of the dragon toy.

4. Setup

4.1 Remote Control Battery Installation

The 2.4 GHz remote control requires **2 x AAA batteries** (not included). To install:

1. Locate the battery compartment on the back of the remote control.
2. Open the battery compartment cover.
3. Insert 2 AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

4.2 Motor Package Charging

The dragon's motor package contains a rechargeable battery. Use the included USB charging cable to charge it.

1. Locate the USB charging port on the motor package (refer to Image 4.1).
2. Connect one end of the USB charging cable to the motor package.

3. Connect the other end of the USB charging cable to a standard USB power source (e.g., computer USB port, USB wall adapter).
4. The charging indicator light will show the charging status. A full charge typically takes approximately **90 minutes**.
5. Once fully charged, disconnect the cable. A full charge provides approximately **40 minutes** of play time.



Image 4.1: Location of the USB charging port on the motor package.

4.3 App Download and Installation

For app control, download the free application to your mobile device.

1. Scan the QR code provided on the product packaging or in the included manual.
2. Alternatively, visit the official app download link: https://yx.fdtown.com/api/Apps/RobotApp
3. Follow the on-screen instructions to install the app on your smartphone or tablet.
4. Ensure your device's Bluetooth is enabled to connect with the dragon toy.



Image 4.2: App control interface and QR code for app download.

5. Operating Instructions

The HOGOKIDS Dragon Toy offers two primary control methods: the 2.4 GHz remote control and the mobile app.

5.1 Remote Control Operation

The remote control allows for basic movement and stunts. The maximum control distance is approximately**20 meters**.

- **Forward/Backward:** Use the designated joystick or buttons to move the dragon forward or backward.
- **Left/Right:** Use the designated joystick or buttons to steer the dragon left or right.
- **360-Degree Rotation:** Specific button combinations or joystick movements can initiate a 360-degree rotation stunt. Refer to the remote control diagram in the included manual for exact controls.

5.2 App Control Operation

The mobile app provides enhanced control features and programming capabilities.

- **Remote Control Mode:** Mimics the physical remote control for basic movements.
- **Path Control Mode:** Draw a path on your device screen, and the dragon will follow it.
- **Voice Control Mode:** Control the dragon using voice commands (ensure your device's microphone is enabled).
- **Gravity Detection Mode:** Tilt your mobile device to control the dragon's movement.
- **STEM Programming Mode:** Use block-based coding to program custom movement sequences and actions, fostering logical thinking and problem-solving skills.

6. Maintenance

Proper maintenance will extend the lifespan of your HOGOKIDS Dragon Toy.

- **Cleaning:** Wipe the toy with a dry, soft cloth to remove dust and dirt. Avoid using water or harsh cleaning agents, as they may damage electronic components.
- **Storage:** Store the toy in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Regularly charge the motor package battery. If storing for an extended period, charge the battery to approximately 50% and recharge every few months to maintain battery health. Remove AAA batteries from the remote control if not in use for a long time to prevent leakage.
- **Inspection:** Periodically check for any loose or damaged building blocks. Reassemble or replace as necessary.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Dragon does not move.	Motor package battery is low or uncharged. Remote control batteries are dead. Connection issue.	Charge the motor package battery. Replace AAA batteries in the remote control. Ensure the remote/app is properly paired with the dragon.
Remote control not responding.	Remote control batteries are dead or incorrectly inserted. Out of range. Interference.	Replace remote control batteries. Ensure correct polarity. Move closer to the dragon (within 20m). Avoid operating near other 2.4 GHz devices.
App control not connecting.	Bluetooth is off on mobile device. App not updated. Dragon is off.	Enable Bluetooth on your mobile device. Ensure the dragon's motor package is powered on. Update the app to the latest version. Restart both the app and the dragon.
Dragon moves erratically.	Loose connections in assembly. Low battery.	Check all building block connections, especially around the motor and movable joints. Charge the motor package battery.

8. Specifications

- **Brand:** Hogokids
- **Model Number:** 13019
- **Number of Pieces:** 485

- **Material:** ABS Plastic
- **Dimensions (Assembled):** Approximately 10 cm (Height) x 38 cm (Length) x 34 cm (Width)
- **Control Type:** 2.4 GHz Remote Control, Mobile App Control
- **Remote Control Range:** Up to 20 meters
- **Motor Package Battery:** Rechargeable Lithium Ion (included)
- **Remote Control Batteries:** 2 x AAA (not included)
- **Charging Time:** Approximately 90 minutes
- **Play Time:** Approximately 40 minutes (per full charge)
- **Recommended Age:** 8-14 years



Image 8.1: Dimensions of the assembled dragon toy.

9. Warranty and Support

For warranty information, product support, or to inquire about replacement parts, please refer to the contact details provided on the product packaging or visit the official Hogokids website. Keep your purchase receipt as proof of purchase for any warranty claims.