LEGO 60470

LEGO City Explorers' Arctic Polar Express Train Set 60470 User Manual

Model: 60470 | Brand: LEGO

Introduction | Safety Information | What's in the Box | Setup | Operating Instructions | Maintenance | Troubleshooting | Specifications | Warranty & Support

1. Introduction

Welcome to the world of Arctic exploration with your new LEGO City Explorers' Arctic Polar Express Train Set (Model 60470). This comprehensive building set allows you to construct a remote-controlled train, an Arctic research world with a mountain tunnel, an outpost, and a mining cave. Designed for ages 7 and up, this set provides an engaging building and play experience.

The set includes a motorized locomotive with a snowplow, a panoramic passenger car, a flatcar, and a snow tractor, along with 30 pieces of buildable track. Explore the Arctic with Johnny Thunder and 5 additional explorer minifigures, accompanied by 2 Arctic fox figures. The train can be operated using the included remote control or via the LEGO Powered Up app for enhanced interactive play.

2. Safety Information

WARNING: CHOKING HAZARD

- Contains small parts. Not suitable for children under 3 years.
- Contains small ball.
- Adult supervision is recommended during assembly and play, especially for younger children.
- Ensure all electrical components (batteries, motors) are handled according to instructions to prevent malfunction.

3. What's in the Box

Your LEGO City Explorers' Arctic Polar Express Train Set (60470) contains 1,517 LEGO building elements, organized into numbered bags for ease of assembly. Key components include:

- Motorized Locomotive with Snowplow
- Panoramic Passenger Car
- Flatcar
- Snow Tractor
- Mountain Tunnel with Rockfall Function
- Outpost Building
- Mining Cave
- 30 Pieces of Buildable Track
- 6 Explorer Minifigures (including Johnny Thunder)
- 2 Arctic Fox Figures
- Remote Control Unit
- Instruction Manuals (multiple booklets)
- Sticker Sheet



Image: An overview of the complete LEGO City Explorers' Arctic Polar Express Train Set, showing the train, track, mountain, outpost, and various minifigures and accessories.

4. Setup

4.1 Assembly

Follow the step-by-step instructions provided in the multiple instruction booklets. Each booklet corresponds to specific numbered bags of LEGO elements. It is recommended to open bags in numerical order as indicated in the manuals.

- **Booklet 1:** Focuses on the snow tractor and initial track sections.

- **Booklet 2 & 3:** Guide the construction of the outpost and additional track.
- **Booklet 4-7:** Detail the assembly of the mountain tunnel with its rockfall function and mining cave.
- **Booklet 8 & 9:** Cover the motorized locomotive and its features.
- **Booklet 10 & 11:** Instruct on building the panoramic passenger car and the flatcar.



Image: A young boy is seen playing with the fully assembled LEGO City Explorers' Arctic Polar Express Train Set, which includes the train, track, mountain, and outpost.

4.2 Battery Installation

The motorized train and remote control require batteries for operation. **10 AAA batteries are required and are not included in the set.**

1. Locate the battery compartment on the motorized locomotive.
2. Open the compartment using a small screwdriver (not included).
3. Insert the required number of AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment securely.

5. Repeat the process for the remote control unit.

Note: *For optimal performance and to reduce waste, consider using rechargeable AAA batteries.*

5. Operating Instructions

5.1 Remote Control Operation

The train can be controlled using the included remote control unit:

- **Power On:** Press the green button on the remote control to turn it on. The indicator light will illuminate.
- **Pairing:** Ensure the train's motor unit is also powered on. The remote and train should automatically pair. If not, refer to the specific pairing instructions in the main manual.
- **Movement:** Use the red levers on the remote to control the train's speed and direction.
    - Push a lever forward to increase speed in one direction.
    - Pull a lever backward to increase speed in the opposite direction.
    - Return the lever to the center to stop the train.
- **Emergency Stop:** Press the red button on the remote to immediately stop the train.

Your browser does not support the video tag.

Video: Official demonstration of the LEGO City Explorers' Arctic Polar Express Train 60470 in operation, showcasing its remote control features and movement on the track.

5.2 LEGO Powered Up App Control

For an enhanced interactive experience, download the LEGO Powered Up app on your smart device. The app allows for more precise control and additional features for your train set.

- Download the app from your device's app store.
- Follow the in-app instructions to connect to your train's motor unit via Bluetooth.
- Utilize the app interface to control speed, direction, and potentially activate sound effects or other interactive elements.

5.3 Interactive Features

- **Rockfall Function:** Drive the train through the mountain tunnel to activate the rockfall feature, adding dynamic play to your Arctic scene.



Image: A close-up of the mountain tunnel showing the rockfall function with boulders positioned to fall as the train passes through.

- **Zipline:** Attach a minifigure to the zipline and send them from the mountain outpost to the research station.



Image: A LEGO minifigure, representing an explorer, is shown sliding down a zipline from a snowy mountain structure towards another part of the set.

- **Snow Tractor & Flatcar:** Load and unload the snow tractor onto the flatcar using the crane at the outpost.



Image: The snow tractor is securely placed on the flatcar of the train, ready for transport across the Arctic landscape.

- **Mining Cave:** Discover hidden treasures within the mining cave, adding an element of discovery to your play.



Image: A detailed view inside the mining cave, showing small gold-colored elements and a barrel, suggesting hidden finds for explorers.

6. Maintenance

- **Cleaning:** Clean LEGO bricks with a mild soap solution and lukewarm water. Rinse thoroughly and air dry. Do not use hot water, as it may deform the plastic.
- **Storage:** Store LEGO elements in a cool, dry place away from direct sunlight to prevent discoloration and damage.
- **Battery Care:** Remove batteries from the train and remote control when not in use for extended periods to prevent leakage and damage.
- **Track Care:** Keep track pieces clean and free of dust or debris to ensure smooth train operation.

7. Troubleshooting

Problem	Possible Cause	Solution
Train does not move.	◦ Batteries are dead or incorrectly installed. ◦ Remote control not paired. ◦ Obstruction on the track.	◦ Replace batteries or check polarity. ◦ Ensure both train and remote are powered on and attempt re-pairing. ◦ Clear any debris from the track.
Train derails frequently.	◦ Track not properly connected. ◦ Train speed is too high on curves. ◦ Wheels are not properly aligned.	◦ Check all track connections for secure fit. ◦ Reduce train speed, especially on curved sections. ◦ Inspect train wheels and axles for correct assembly.
Remote control unresponsive.	◦ Remote batteries are low or dead. ◦ Interference from other devices.	◦ Replace remote batteries. ◦ Move away from other electronic devices that may cause interference.

8. Specifications

Brand:	LEGO
Model Name:	Explorers' Arctic Polar Express Train
Model Number:	60470
Number of Pieces:	1517
Age Range:	7+ years
Power Source:	10 AAA batteries (not included)
Material Type:	Plastic
Train Dimensions (with 2 cars):	Over 3 in. (8 cm) high, 27.5 in. (70 cm) long, and 2.5 in. (6 cm) wide
Special Features:	Motorized train, remote control, LEGO Powered Up app compatibility, mountain tunnel with rockfall, outpost, mining cave, zipline.

9. Warranty & Support

LEGO products are manufactured to high-quality standards. If you encounter any issues with missing or defective parts, please contact LEGO Customer Service. LEGO offers a replacement service for missing or broken parts due to manufacturing defects.
For further assistance, visit the official LEGO website or contact their customer support directly. Keep your purchase receipt as proof of purchase.

- **Online Support:** www.lego.com/service
- **Contact Information:** Refer to the contact details provided in your product packaging or on the official LEGO website for your region.

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Example: How do I reset this device or fix this error?

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