

Lionel 2217050

Lionel The Polar Express FlyerChief Bluetooth 5.0 Electric S Gauge Train Set Instruction Manual

Model: 2217050

INTRODUCTION

This manual provides essential instructions for the safe and proper assembly, operation, and maintenance of your Lionel The Polar Express FlyerChief Bluetooth 5.0 Electric S Gauge Train Set. Please read all instructions carefully before use to ensure optimal performance and longevity of your product.

IMPORTANT SAFETY INFORMATION

- **CHOKING HAZARD:** Small parts. Not for children under 3 years of age.
- **CAUTION - ELECTRIC TOY:** Not recommended for children under 14 years of age. As with all electric products, precautions should be observed during handling and use to prevent electric shock.
- **WARNING:** This product can expose you to chemicals including lead, which is known in the State of California to cause cancer, birth defects, or other reproductive harm.

SET CONTENTS

Your Lionel The Polar Express FlyerChief Bluetooth 5.0 Electric S Gauge Train Set includes the following components:

- 1x 2-8-4 Berkshire steam locomotive and tender
- 1x Coach Car
- 1x Abandoned Toy Car
- 1x Observation Car
- 3x AF FasTrack 10" straight track sections
- 12x AF FasTrack R20 curve track sections
- 1x AF FasTrack 10" terminal track
- 1x 54W 18VDC Wall Pack Power Supply
- 1x FlyerChief remote control
- 1x The Polar Express Bell



Figure 1: Complete Lionel The Polar Express FlyerChief Bluetooth 5.0 Electric S Gauge Train Set.



Figure 2: Packaging for the Lionel The Polar Express FlyerChief Bluetooth 5.0 Electric S Gauge Train Set, illustrating included components.

SETUP INSTRUCTIONS

1. Track Assembly

Assemble the AF FasTrack sections to form your desired layout. Ensure all track pieces are securely connected to provide continuous electrical contact. The set includes three 10" straight sections, twelve R20 curve sections, and one 10" terminal track.

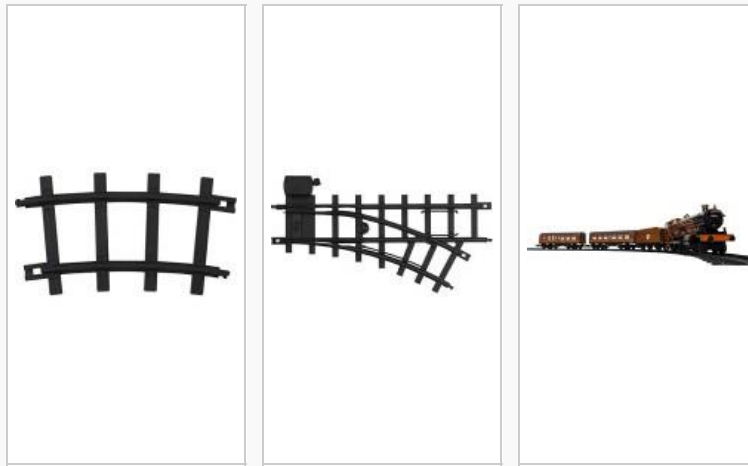


Figure 3: Examples of FasTrack sections: straight, curved, and terminal.

2. Power Connection

Connect the 54W 18VDC Wall Pack Power Supply to the AF FasTrack 10" terminal track. Plug the power supply into a standard electrical outlet. Ensure the power supply is easily accessible for disconnection if needed.

3. Locomotive and Car Placement

Carefully place the 2-8-4 Berkshire steam locomotive and its tender, followed by the Coach Car, Abandoned Toy Car, and Observation Car, onto the assembled track. Ensure all wheels are properly seated on the rails. The cars feature operating couplers for easy connection.



Figure 4: Side view of the 2-8-4 Berkshire steam locomotive and tender.



Figure 5: Side view of a passenger coach car with illuminated interior.



Figure 6: Side view of the observation car, featuring character silhouettes in the windows.

OPERATING INSTRUCTIONS

1. FlyerChief Remote Control

The FlyerChief remote control requires three AAA batteries (not included). Insert batteries according to polarity markings. The remote features a speed control knob for forward and reverse movement, and three buttons to activate the whistle, bell, and announcements.

2. Lionel Voice Control (LVC) and App Operation

The locomotive supports Lionel Voice Control (LVC) via the LionChief App, allowing you to operate the train by speaking commands into your phone. The app also provides additional control options for sound, smoke, and speed settings. Ensure your device's Bluetooth is enabled and paired with the train set.

3. Locomotive Features

- **Operation Modes:** User-selected operation modes include Conventional AC transformer mode or FlyerChief wireless remote control (with AC or DC power) or the downloadable app.
- **AF Speed Control:** Maintains a steady constant speed on inclines, declines, or flat terrain.
- **On/Off Switches:** Separate switches for sound, smoke, and transformer/remote operation mode.
- **RailSounds RC Sound System:** Features steam chuffing while in motion, realistic background sounds, whistle, and bell, all triggered by the remote.
- **Lighting:** Operating headlight and directional LED on the tender (rear light).
- **Couplers:** Operating coupler on the rear of the tender.
- **Smoke Unit:** Fan-driven smoke unit.
- **Motor:** Powerful, maintenance-free motor with two traction tires for added grip.
- **Aesthetics:** Large "Polar" pilot and headlight lens shield.

4. Passenger Car Features

- **Interior Illumination:** All passenger cars feature interior lighting.
- **Couplers:** Operating couplers on the front and rear of each car.
- **Power Pickup:** Dual rail collector and flicker-free lighting.
- **Observation Car:** Decorated drumhead and rounded viewing platform.
- **Window Silhouettes:** Silhouettes of characters in windows.
- **Detailing:** Underbody detail and simulated snow on the roof.

MAINTENANCE

To keep your train set in optimal condition, wipe it with a soft cloth occasionally to clean. Refer to the specific instructions for the smoke unit for maintenance related to smoke fluid.

TROUBLESHOOTING

If you encounter issues with your train set, consider the following common solutions:

- **No Power/Train Not Moving:**
 - Ensure the power supply is securely plugged into both the track and a working electrical outlet.

- Check all track connections for tightness and proper alignment.
 - Verify that the locomotive's wheels are correctly seated on the rails.
 - Confirm the remote control has fresh batteries and is properly paired with the locomotive.
- **Intermittent Operation/Flickering Lights:**
 - Clean the track and locomotive wheels to remove any dirt or debris that may be interfering with electrical contact.
 - Ensure all track sections are firmly connected.
 - **Smoke Unit Not Producing Smoke:**
 - Check the smoke unit's on/off switch.
 - Ensure there is sufficient smoke fluid in the reservoir.
 - **Remote Control Issues:**
 - Replace the AAA batteries in the FlyerChief remote control.
 - Re-pair the remote control with the locomotive if connection is lost.

For further assistance, please refer to the official Lionel support resources or contact customer service.

SPECIFICATIONS

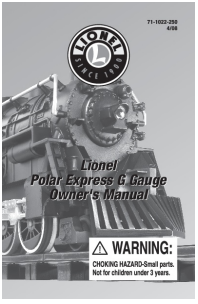
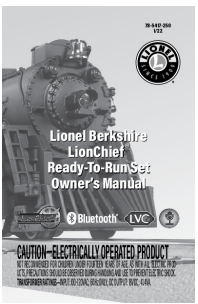
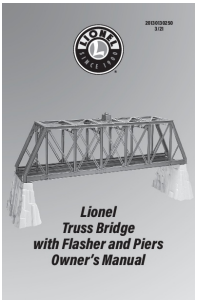

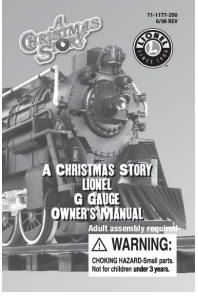
Feature	Detail
Product Dimensions	18 x 16.25 x 5.5 inches
Item Weight	13.25 pounds
Manufacturer	Lionel Racing
ASIN	B0BM4Y1WBZ
Item Model Number	2217050
Batteries Required	Yes (3 AAA batteries for remote)
Battery Type	Alkaline
Assembly Required	No (referring to the main product, track assembly is required)
Gauge Details	Lionel S Gauge (approx. 1:64 scale), American Flyer compatible, two-rail AF FasTrack system.

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or replacement parts, please visit the official Lionel website or contact their customer service department. You can also visit the [Lionel Store on Amazon](#) for additional products and information.



Related Documents - 2217050

	<p>Lionel Polar Express G Gauge Owner's Manual</p> <p>Comprehensive owner's manual for the Lionel Polar Express G Gauge train set, covering setup, operation, maintenance, and troubleshooting. Includes inventory, FCC statement, and warranty information.</p>
	<p>Lionel Berkshire LionChief Ready-To-Run Set Owner's Manual</p> <p>Comprehensive guide to setting up, operating, and maintaining the Lionel Berkshire LionChief Ready-To-Run O Gauge train set, including remote control and app usage, troubleshooting, and warranty information.</p>
	<p>Lionel Truss Bridge with Flasher and Piers: Owner's Manual and Assembly Guide</p> <p>Comprehensive owner's manual for the Lionel Truss Bridge with Flasher and Piers (model 20130130250). Provides detailed instructions for assembly, powering the flasher, replacing the lamp, and information on Lionel's limited warranty and service policy.</p>
	<p>Lionel Chessie System Merger Special Freight Set Owner's Manual</p> <p>Comprehensive owner's manual for the Lionel Chessie System Merger Special Freight Set Ready-to-Run Set, covering setup, operation, maintenance, and warranty information for the CW-80 Transformer and FasTrack system.</p>
	<p>A Christmas Story Lionel G Gauge Owner's Manual</p> <p>Owner's manual for the A Christmas Story Lionel G Gauge train set, providing instructions on assembly, operation, maintenance, and troubleshooting.</p>



[Lionel North Pole Central Lines Ready-to-Play Train Set \(7-11729\) - User Manual and Product Information](#)

User guide for the Lionel North Pole Central Lines Ready-to-Play battery-powered train set (model 7-11729). Includes features, set contents, track layout, battery requirements, safety warnings, FCC compliance, and warranty information.