

RTR 2323090

RTR Lionel Union Pacific LIONCHIEF Bluetooth 5.0 Steam Engine & Tender Model 2323090-E User Manual

Model: 2323090-E



1. INTRODUCTION

This manual provides essential instructions for the setup, operation, and maintenance of your RTR Lionel Union Pacific LIONCHIEF Bluetooth 5.0 Steam Engine and Tender, Model 2323090-E. Please read this manual thoroughly before operating your model train to ensure safe and optimal performance.

The Lionel Union Pacific LIONCHIEF Steam Engine is an O Gauge traditional scale electric locomotive featuring advanced control options including a dedicated LionChief remote, Bluetooth LionChief app, Lionel Voice Control (LVC), and Voice Streaming & Recording (VSR). It is equipped with RailSounds RC sound system, an operating headlight, a powerful maintenance-free motor, operating couplers, and a puffing smoke unit.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- RTR Lionel Union Pacific LIONCHIEF Steam Engine (0-8-0)
- Matching Union Pacific Tender
- LionChief Remote Control
- Owner's Manual (this document)



The RTR Lionel Union Pacific Steam Engine and tender on tracks, accompanied by its LionChief remote control and the printed owner's manual.

3. SETUP INSTRUCTIONS

3.1 Track Assembly

1. Assemble your O Gauge track layout on a flat, stable surface. Ensure all track sections are securely connected.
2. The minimum curve radius for this locomotive is O31. Ensure your layout adheres to this specification to prevent derailments.

3.2 Locomotive Placement

1. Carefully place the Steam Engine and Tender onto the track, ensuring all wheels are properly seated on the rails.
2. Connect the tender to the locomotive using the drawbar provided.



A side view of the RTR Lionel Union Pacific LIONCHIEF Steam Engine and its tender, both black with 'UNION PACIFIC' lettering, resting on model train tracks.

3.3 Power Connection

1. Connect your O Gauge power supply to the track as per the power supply's instructions.
2. Ensure the power supply is turned off before connecting.

3.4 Remote Control Batteries

1. The LionChief Remote Control requires three AAA alkaline batteries (not included).
2. Open the battery compartment on the back of the remote and insert the batteries, observing correct polarity.

4. OPERATION

4.1 LionChief Remote Control

The included LionChief remote provides direct control over your locomotive's speed and functions.

- **Forward/Reverse Knob:** Rotate the knob to control the locomotive's speed and direction.
- **Whistle Button:** Press to activate the locomotive's whistle sound.
- **Bell Button:** Press to activate the locomotive's bell sound.
- **Announcements Button:** Press to trigger user-activated announcements.



The LionChief remote control, black with a directional knob and three function buttons for whistle, bell, and announcements, positioned next to the model train.

4.2 Bluetooth LionChief App

For enhanced control, download the LionChief app on your smartphone or tablet. The app connects via Bluetooth 5.0.

- **Lionel Voice Control (LVC):** Use voice commands through the app to operate your locomotive.
- **Voice Streaming & Recording (VSR):** Record or live stream custom announcements directly through the app to be played by the locomotive.

5. KEY FEATURES

- **RailSounds RC Sound System:** Experience realistic steam chuffing, background sounds, whistle, and bell.
- **Operating Headlight:** The locomotive features a functional headlight for added realism.



A front-angle view of the RTR Lionel Union Pacific Steam Engine, showing the illuminated headlight, the number '4523', and the Union Pacific shield logo on the smokebox door.

- **Powerful Maintenance-Free Motor:** Designed for reliable and consistent performance.
- **Puffing Smoke Unit:** An integrated smoke unit produces realistic smoke effects. An On/Off switch is located on the locomotive.
- **Operating Couplers:** Functional couplers allow for easy attachment and detachment of rolling stock.

6. MAINTENANCE

Regular maintenance ensures the longevity and performance of your locomotive.

- **Cleaning:** Periodically wipe down the locomotive and tender with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals.
- **Track Cleaning:** Keep your track clean to ensure good electrical contact and smooth operation.
- **Smoke Unit:** If using the smoke unit, ensure it is filled with appropriate smoke fluid as per Lionel's recommendations. Do not overfill.
- **Storage:** When not in use, store the locomotive and tender in a dry, dust-free environment.

7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Locomotive does not move.	No power to track; remote batteries low; locomotive not properly on track.	Check power supply connection; replace remote batteries; re-seat locomotive on track.
Smoke unit not producing smoke.	Smoke fluid low; smoke unit switch off.	Refill smoke fluid; ensure smoke unit switch is in the 'On' position.
Sounds are not working.	Volume low; sound system off.	Adjust volume via remote/app; ensure sound system is enabled.
Bluetooth connection issues.	App not updated; device too far from locomotive.	Update LionChief app; ensure device is within Bluetooth range.

8. SPECIFICATIONS

Feature	Detail
Gauge	O Gauge
Scale Type	Traditional
Power	Electric
Engine Type	Steam (0-8-0)
Minimum Curve	O31
Product Dimensions	19.25 x 2.3 x 3.3 inches
Control Options	LionChief Remote, Bluetooth LionChief App (LVC, VSR)


9. WARRANTY AND SUPPORT

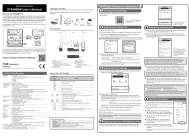


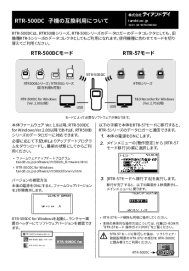
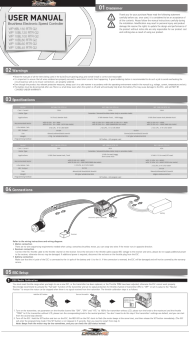
For detailed warranty information and customer support, please refer to the official Lionel website or contact RTR customer service. Specific warranty terms and conditions are typically included with your product packaging or available online.



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Related Documents - 2323090

	<p>RTR500BC Wireless Base Station User Manual T&D Corporation</p> <p>Comprehensive user manual for the T&D RTR500BC Wireless Base Station and Repeater, covering installation, software setup, remote unit registration, and wireless route configuration.</p>
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	<p>T&D RTR500BW Network Base Station User's Manual</p> <p>User's manual for the T&D RTR500BW Network Base Station, detailing setup, configuration via smartphone and PC, data monitoring, and software usage for wireless data logging.</p>
	<p>Benutzerhandbuch: Wasserfester Brushless ESC (RTR-Version) - Funktionen, Daten & Programmierung</p> <p>Umfassende Anleitung für den wasserfesten Brushless ESC (RTR-Version). Erfahren Sie mehr über Funktionen, technische Daten, Erstinstallation, Kalibrierung und Programmierung dieser leistungsstarken Regler für RC-Fahrzeuge.</p>
	<p>Water-Proof Brushless Speed Controller (RTR Version) User Manual</p> <p>User manual for the Water-Proof Brushless Speed Controller (RTR Version) ESC. Covers features, specifications, setup, programming, calibration, troubleshooting, and optional accessories for RC cars and trucks.</p>
	<p>RTR-500DC Compatibility and Usage Guide</p> <p>This document outlines the compatibility and usage of the TandD RTR-500DC with previous generations of TandD data loggers, including the RTR500B, RTR-500, and RTR-5 series. Users can switch the operating mode of the RTR-500DC to ensure compatibility with their specific data logger models.</p>
	<p>Dragon-RC ESC User Manual: WP Series Brushless Electronic Speed Controllers</p> <p>Comprehensive user manual for Dragon-RC WP Series Brushless Electronic Speed Controllers (ESC), including models WP 8BL150 RTR G2, WP 10BL120 RTR G2, WP 10BL100 RTR G2, WP 10BL80 RTR G2, WP 10BL60 RTR G2, and WP 12BL45 RTR G2. Covers specifications, connections, setup, programming, and troubleshooting.</p>