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## Line 6 Relay G30

# Line 6 Relay G30 Wireless Guitar System User Manual

Model: Relay G30 | Brand: Line 6

### INTRODUCTION

The Line 6 Relay G30 redefines the wireless experience for guitarists and bassists. It offers superior sound quality, professional dependability, and refreshing simplicity, setting it apart from other wireless systems. This manual provides comprehensive instructions for setting up, operating, and maintaining your Relay G30 system to ensure optimal performance.

The system features a durable polycarbonate stompbox-style design, convenient side-mounted 1/4-inch inputs and outputs on the receiver, and internal antennas for a clean setup. It operates with a 10Hz-20kHz frequency response, supports 6 compatible channels, and provides a transmission range of up to 100 feet line-of-sight. The 24-bit Delta Sigma, 128 times oversampling ensures high-fidelity audio. The transmitter offers approximately 8 hours of battery life using 2 AA batteries.

### SETUP GUIDE

Follow these steps to set up your Line 6 Relay G30 Wireless Guitar System:

- Unpack Components:** Carefully remove the transmitter, receiver, power supply, and necessary cables from the packaging.
- Connect Receiver:** Plug the Relay G30 receiver unit into your existing pedalboard or directly into your amplifier's input. The receiver features side-mounted 1/4-inch ins and outs for easy integration.
- Power the Receiver:** Power the receiver using the included 9VDC power adapter or any standard 9-volt pedal power source.
- Install Transmitter Batteries:** Open the battery compartment on the TBP06 transmitter and insert two AA batteries. Ensure correct polarity. The transmitter has an approximate 8-hour battery life.
- Select Channel:** Set the channel switch on the receiver to any of the six available channels (1-6).
- Match Transmitter Channel:** Set the channel switch on the TBP06 transmitter to the *same channel number* as selected on the receiver.

7. **Connect Guitar to Transmitter:** Plug your guitar cable into the input jack on the TBP06 transmitter.
8. **Verify Connection:** Once both units are powered on and channels are matched, the status indicators on both the transmitter and receiver should show a successful connection.



Image: The Line 6 Relay G30 receiver (left) and TBP06 transmitter (right), showing their compact design and channel selection switches.



Image: Close-up view of the Line 6 Relay G30 TBP06 transmitter, highlighting the channel selector switch and input jack.

### [Setup Video](#)

Your browser does not support the video tag.

Video: An overview of the Line 6 Relay G30 system, demonstrating its features and ease of setup. This video highlights the digital technology, interference-free operation, and simple plug-and-play functionality.

## **OPERATING INSTRUCTIONS**

The Relay G30 is designed for straightforward operation, allowing you to focus on your performance.

### **Channel Selection**

The system offers 6 compatible channels. Ensure both the transmitter and receiver are set to the same channel for proper operation. This allows multiple Relay G30 systems to be used in close proximity without interference.

## Cable Tone Simulation

The Relay G30 features a Cable Tone Simulator, allowing you to match the sound of your wireless system to the sound of a traditional guitar cable. This is particularly useful for players who are accustomed to the subtle frequency loss associated with long cables. You can switch between a crystal-clear normal mode (no frequency loss) and two EQ settings that simulate typical guitar cable frequency responses.

## Battery Life

The TBP06 transmitter provides approximately 8 hours of continuous use with two AA alkaline batteries. Monitor the battery status indicator on the receiver to ensure you have sufficient power for your performance. It is recommended to carry spare batteries or use rechargeable ones for extended sessions.

## KEY FEATURES AND TECHNOLOGY

- **Superior Sound:** The Relay G30 delivers a pure signal with full bandwidth and zero compression, rivaling the clarity of high-quality guitar cables. Guitars retain high-end sparkle and basses maintain low-end punch.
- **Professional Dependability:** Operates over the 2.4GHz band, avoiding interference common in UHF bands. It employs exclusive signal protection technology, broadcasting an encrypted data stream on six channels simultaneously for enhanced security.
- **Refreshing Simplicity:** A low-profile system with a lightweight transmitter and a rugged receiver that can be placed on an amp or pedalboard. Easy-to-read LEDs display power, status, and battery life.
- **VWT (Virtual Wire Transmission) Technology:** Ensures full-range frequency response, excellent transient response, and wide dynamic range, mimicking a high-quality guitar cable.
- **Compander-Free Design:** Unlike analog wireless systems that use compressors (which can degrade tone), the Relay G30 is compander-free, preserving the natural sparkle and punch of your instrument.
- **DCL (Digital Channel Lock) Technology:** Automatically locks out all sources of interference, ensuring only your instrument's sound is transmitted without static or unwanted signals.
- **2.4GHz Broadcast:** Utilizes the 2.4GHz band to avoid interference from TV stations, public safety broadcasts, and cell phone towers. Uniquely addressed and encoded digital transmission technology prevents interference from Wi-Fi networks and Bluetooth devices.
- **Consistent Performance:** Maintains full frequency response, superior dynamic range, and 24-bit A/D conversion regardless of your distance from the receiver (up to 100 feet).
- **Always Available Channels:** All six channels are always available, eliminating the need to scan for open frequencies.

## SPECIFICATIONS

Feature	Detail
Brand	Line 6
Model Number	Relay G30

Feature	Detail
Item Weight	1.8 pounds
Product Dimensions	10.29 x 12.45 x 3.36 inches
Batteries	2 AA batteries required (Alkaline)
First Available	July 16, 2004
Color Name	Assorted Colors
Compatible Devices	Guitar
Connector Type	Quick Connect
Material Type	Polycarbonate
Output Wattage	3 Watts
Power Source	Battery Powered
Transmission Range	100 feet line-of-sight (may vary with local conditions)
Frequency Response	10Hz-20kHz
Dynamic Range	Up to 120dB
A/D Conversion	24-bit
Channels	6 compatible channels

## TROUBLESHOOTING

If you encounter issues with your Relay G30 system, consider the following common troubleshooting steps:

- **No Signal/Audio:**

- Ensure both the transmitter and receiver are powered on.
- Verify that the channel switch on both units is set to the exact same number.
- Check the battery level of the transmitter. Replace batteries if low.
- Ensure all cables (guitar to transmitter, receiver to amp/pedalboard) are securely connected.
- Confirm your amplifier or pedalboard is correctly configured and powered.

- **Interference/Dropouts:**

- Try switching to a different channel on both the transmitter and receiver.
- Ensure there are no large metal objects or other 2.4GHz devices (like Wi-Fi routers, cordless phones) directly between the transmitter and receiver that could block the signal.
- Maintain line-of-sight between the transmitter and receiver whenever possible.

- Move closer to the receiver if you are at the edge of the 100-foot range.

- **Poor Sound Quality:**

- Check if the Cable Tone Simulation setting is appropriate for your preference. Try switching between normal mode and the cable tone settings.
- Ensure your guitar's output level is not excessively high, which could cause clipping.
- Verify that your amplifier and pedal settings are optimized for your instrument.

## MAINTENANCE

To ensure the longevity and optimal performance of your Line 6 Relay G30 system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of both the transmitter and receiver. Avoid using abrasive cleaners, solvents, or waxes.
- **Battery Care:** Remove batteries from the transmitter if the unit will not be used for an extended period to prevent leakage and damage.
- **Storage:** Store the system in a cool, dry place away from extreme temperatures, humidity, and direct sunlight.
- **Cable Inspection:** Periodically inspect all cables for signs of wear, fraying, or damage. Replace any damaged cables immediately.
- **Handle with Care:** While the receiver has a rugged polycarbonate shell, avoid dropping or subjecting the units to excessive physical shock.

## WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Line 6 website or contact their customer service. Keep your proof of purchase for any warranty claims.

You can visit the official Line 6 store on Amazon for more products and information [Line 6 Store](#)

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### Related Documents - Relay G30

	<p><a href="#">Line 6 Relay G30: Handleiding voor de Piloot</a> Beknopte handleiding voor de Line 6 Relay G30 draadloze gitaarsysteem, met uitleg over basisbediening, indicatoren en aansluitingen.</p>
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	<p><a href="#">Line 6 Relay G30 Digital Wireless System Pilot's Handbook</a></p> <p>User guide for the Line 6 Relay G30 digital wireless system, covering basic operation, component descriptions, LED indicators, and setup instructions. Learn how to connect, power, and manage your wireless system.</p>
	<p><a href="#">Line 6 G90 Wireless Receiver Pilot's Handbook and User Guide</a></p> <p>Comprehensive guide to the Line 6 G90 Wireless Receiver, covering setup, operation, safety, troubleshooting, and technical specifications for musicians.</p>
	<p><a href="#">Line 6 Relay G10TII/G10/G10S Pilot's Guide</a></p> <p>This pilot's guide provides essential information for setting up and using the Line 6 Relay G10TII, G10, and G10S wireless guitar systems. It covers system overview, what's in the box, getting started, transmitter and receiver details, LED status indicators, and important operational information.</p>
	<p><a href="#">Line 6 POD Go and POD Go Wireless Owner's Manual</a></p> <p>Explore the features and operation of the Line 6 POD Go and POD Go Wireless guitar multi-effects processors with this comprehensive owner's manual. Learn about setup, tone creation, wireless connectivity, and USB audio interface capabilities.</p>
	<p><a href="#">Line 6 Relay G10S Pilot's Guide</a></p> <p>A guide to the Line 6 Relay G10S wireless guitar system, covering system overview, setup, transmitter and receiver details, and storage.</p>