

## Line 6 Relay G50

# Line 6 Relay G50 Wireless Guitar System User Manual

Model: Relay G50

## 1. INTRODUCTION

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The Line 6 Relay G50 is a 12-channel digital wireless system designed for guitarists and bassists. It provides a pure, uncompressed signal with full bandwidth, offering clarity comparable to high-quality guitar cables. Operating over the 2.4GHz band, the system employs signal protection technology to minimize interference, ensuring reliable performance.

This manual provides essential information for setting up, operating, and maintaining your Relay G50 system to achieve optimal performance.



Image: The Line 6 Relay G50 Wireless Guitar System, showing the transmitter and receiver units.

## 2. SETUP

Setting up your Relay G50 system is straightforward. Follow these steps to connect your wireless system:

1. **Connect the Receiver:** Plug the G50 receiver unit into your existing pedalboard or directly into your amplifier's input.
2. **Power the Receiver:** Power the receiver using the included adapter or any standard 9V pedal power source.
3. **Select a Channel:** Set the receiver to any of the 12 available channels.
4. **Match the Transmitter Channel:** Set your transmitter to the same channel as the receiver.
5. **Connect Transmitter to Instrument:** Connect your instrument to the transmitter using the locking cable.

For a visual guide on the setup process, please refer to the video below:

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Video: An overview of the Line 6 Relay system, demonstrating the setup and key features.

## 3. OPERATING THE RELAY G50

The Relay G50 offers flexible operation modes to suit your preferences:

- **Normal Mode:** In this mode, the system transmits every nuance of your instrument's signal digitally,

ensuring no frequency loss. This provides a crystal-clear tone.

- **Cable Tone Simulation:** For players accustomed to the subtle frequency loss associated with long guitar cables, the Relay G50 features Cable Tone Simulation. This setting allows you to experience the frequency response characteristics of a traditional cable, providing a familiar feel.
- **Channel Selection:** The system supports up to 12 channels, all of which are always available. This allows multiple Relay systems to operate simultaneously on the same stage without interference.

## 4. MAINTENANCE

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To ensure the longevity and optimal performance of your Line 6 Relay G50 Wireless Guitar System, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the transmitter and receiver. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish or internal components.
- **Storage:** Store the system in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity when not in use.
- **Battery Care:** If using alkaline batteries, remove them from the transmitter if the system will not be used for an extended period to prevent leakage.
- **Cable Inspection:** Periodically check all cables for signs of wear or damage. Replace any damaged cables immediately to prevent signal issues.

## 5. TROUBLESHOOTING

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If you encounter issues with your Relay G50 system, consider the following troubleshooting steps:

- **No Signal/Intermittent Signal:**
  - Ensure both the transmitter and receiver are powered on.
  - Verify that the transmitter and receiver are set to the same channel.
  - Check the battery level of the transmitter. Replace batteries if low.
  - Ensure the instrument cable is securely connected to the transmitter and the receiver is connected to your amplifier/pedalboard.
  - Move closer to the receiver to check if the issue is range-related.
  - Try a different channel to avoid potential interference from other 2.4GHz devices (e.g., Wi-Fi routers, Bluetooth devices).
- **Poor Sound Quality:**
  - Check all cable connections for tightness.
  - Ensure the instrument's volume knob is not set too low.
  - If using Cable Tone Simulation, try switching to Normal Mode to see if the sound improves.
- **Power Issues:**
  - Verify the power adapter is correctly plugged into both the receiver and a working power outlet.
  - If using a 9V pedal power supply, ensure it meets the correct voltage and current requirements.

If these steps do not resolve the issue, please contact Line 6 customer support for further assistance.

## 6. SPECIFICATIONS

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| Feature                     | Specification  |
|-----------------------------|--|
| Brand                       | Line 6   |
| Model Name                  | Relay G50  |
| Model Number                | G50  |
| Range                       | 200-foot line-of-sight   |
| Frequency Response          | 10Hz – 20kHz   |
| Dynamic Range               | Up to 120dB  |
| Digital Conversion          | 24-bit A/D   |
| Battery Life                | 8 hours (AA alkaline batteries)                                    |
| Broadcast Band              | 2.4GHz   |
| Number of Channels          | 12   |
| Material                    | Metal (Receiver enclosure)   |
| Included Components         | Transmitter pack, receiver, locking cable, power supply, batteries |
| Item Weight                 | 2.65 Pounds  |
| Item Dimensions (D x W x H) | 10.88"D x 12.45"W x 3.2"H  |

## 7. WARRANTY INFORMATION

The Line 6 Relay G50 Wireless Guitar System comes with a **1-year limited warranty**. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the official Line 6 website or contact customer support.

## 8. SUPPORT

For additional support, frequently asked questions, software updates, or to register your product, please visit the official Line 6 website:

[www.line6.com/relay](http://www.line6.com/relay)

You can also contact Line 6 customer service for personalized assistance.