

Origin Effects Cali76 FET

Origin Effects Cali76 FET Compressor Pedal User Manual

Model: Cali76 FET

Brand: Origin Effects

INTRODUCTION

This manual provides comprehensive instructions for the Origin Effects Cali76 FET Compressor Pedal. It covers setup, operation, maintenance, troubleshooting, and technical specifications to ensure optimal performance and longevity of your device.

PRODUCT OVERVIEW

The Cali76 FET Compressor Pedal is a studio-grade compression unit designed for electric guitar. It features six wide-ranging parameters, offering a variety of compression styles from subtle dynamic control to pronounced sustain. The pedal is based on an iconic FET compressor design, re-engineered for enhanced headroom and versatility.





Figure 1: Front view of the Origin Effects Cali76 FET Compressor Pedal. The top panel features three jacks labeled **AMP** (output), **9VDC** (power input), and **INSTR** (input). Below these are six control knobs labeled **DRY**, **OUT**, **IN**, **RATIO**, **ATTACK**, and **RELEASE**. LED indicators for gain reduction and a footswitch are located at the bottom of the pedal.

SETUP

1. **Power Connection:** Connect a standard 9V DC power supply (center-negative, 100mA minimum) to the **9VDC** input jack located at the top center of the pedal. Ensure the power supply meets these specifications to prevent damage.

2. **Instrument Input:** Connect your instrument (guitar, bass, etc.) to the **INSTR** input jack located at the top right of the pedal.
3. **Amplifier Output:** Connect the **AMP** output jack, located at the top left of the pedal, to your amplifier's input or the next pedal in your signal chain.
4. **Initial Settings:** For a starting point, set all control knobs (DRY, OUT, IN, RATIO, ATTACK, RELEASE) to their 12 o'clock position.

OPERATING THE CALI76 FET COMPRESSOR

The Cali76 FET Compressor features several controls to shape your sound. Experiment with these settings to achieve your desired compression characteristics.

- **DRY:** Controls the level of the uncompressed (dry) signal. Blending the dry signal with the compressed signal can help retain natural attack and dynamics while still benefiting from compression.
- **OUT:** Adjusts the overall output level of the pedal. Use this to match the volume with your bypassed signal or to provide a boost.
- **IN:** Controls the input gain, which determines how hard the compressor is driven. Higher input gain results in more compression.
- **RATIO:** Sets the compression ratio, from subtle (lower settings) to extreme limiting (higher settings). This determines how much the signal above the threshold is reduced.
- **ATTACK:** Controls how quickly the compressor reacts to incoming signals. Slower attack times allow initial transients to pass through, while faster attack times compress the initial peak.
- **RELEASE:** Determines how quickly the compressor returns to its uncompressed state after the signal falls below the threshold. Faster release times can lead to a "pumping" effect, while slower times provide smoother sustain.
- **Footswitch:** Engages or bypasses the compressor effect.
- **LED Indicators:** Multiple LEDs indicate gain reduction. The more LEDs that illuminate, the more compression is being applied.

Tips for Use:

- For subtle dynamic control, use lower Ratio settings and a blend of Dry signal.
- To increase sustain, try higher Ratio settings with a slower Attack and faster Release.
- Adjust the IN control to find the sweet spot where the compressor engages effectively without over-compressing or distorting.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid abrasive cleaners or solvents.
- **Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Power Supply:** Always use a compatible 9V DC (center-negative) power supply. Incorrect power can damage the unit.
- **Connections:** Ensure all cables are securely connected and in good condition to prevent signal loss or noise.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound when pedal is engaged.	Incorrect cable connection, no power, or output level too low.	Check all cable connections. Ensure power supply is connected and functional. Increase the OUT knob.
Pedal is noisy.	Poor power supply, faulty cables, or high input gain.	Use a high-quality, isolated power supply. Replace suspect cables. Reduce the IN knob.
Compression effect is too subtle or too extreme.	Incorrect control settings.	Adjust IN , RATIO , ATTACK , and RELEASE knobs. Experiment with the DRY blend.

SPECIFICATIONS

- **Model:** Cali76 FET
- **Brand:** Origin Effects
- **Item Weight:** 0.704 ounces
- **Product Dimensions:** 5.3 x 3.5 x 3.45 inches
- **Power Source:** Corded Electric
- **Voltage:** 9 Volts DC (center-negative)
- **Amperage:** 100 Milliamps minimum
- **Connector Type:** 1/4 inch (6.35mm) audio jack
- **Hardware Interface:** 1/4-inch Audio
- **Signal Format:** Analog
- **Color:** Silver

WARRANTY INFORMATION

Origin Effects products are designed and manufactured to the highest standards. For specific warranty details, please refer to the official Origin Effects website or contact their customer support. Keep your proof of purchase for any warranty claims.

SUPPORT

For further assistance, technical support, or product inquiries, please visit the official Origin Effects website or consult their authorized dealers. Online resources, FAQs, and contact information are typically available on their official support pages.