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› [JOYO California Sound JF-15 Overdrive Distortion Pedal Instruction Manual](#)

## JOYO JF-15

# JOYO California Sound JF-15 Overdrive Distortion Pedal Instruction Manual

Model: JF-15

## 1. INTRODUCTION

The JOYO California Sound JF-15 is an overdrive and distortion guitar effect pedal designed to simulate the tones of a Mesa Boogie MKII amplifier. It offers a wide range of rock tones, from subtle overdrive to rich, full distortion. This pedal features built-in cabinet emulation, allowing direct connection to a mixing desk, DAW, or computer, functioning as a direct input (DI) box.

This manual provides essential information for the proper setup, operation, and maintenance of your JOYO California Sound JF-15 pedal.

## 2. SETUP

Follow these steps to properly set up your JOYO California Sound JF-15 pedal:

- Power Connection:** The pedal requires a DC 9V power adapter with a center-negative polarity. An appropriate power adapter is not included and must be purchased separately. Ensure the power supply meets the working current requirements of the pedal to avoid unexpected noise. The pedal can also be powered by a 6F22 battery.
- Input Connection:** Connect your electric guitar to the "IN" jack (1/4-inch mono) on the right side of the pedal using a standard instrument cable.
- Output Connection:** Connect the "OUT" jack (1/4-inch mono) on the left side of the pedal to your guitar amplifier's input or directly to a mixing console/DAW if utilizing the built-in cabinet emulation.
- Ensure Full Connection:** Before activating the pedal, verify that all connections (guitar, pedal, amplifier/mixer, power) are secure to prevent signal loss or damage.

# DC 9V Powered & LED Indicator

① Power Supply: 6F22 Battery/DC 9V Power Adapter(Not included)  
Running Current: 6mA



② Output Jack—Single  $\frac{1}{4}$  inch (1KΩ)



③ Input Jack—Single  $\frac{1}{4}$  inch (1MΩ)



④ LED Indicator—working state



Image: Diagram illustrating the DC 9V power input, input jack, output jack, and LED indicator on the JOYO California Sound JF-15 pedal.

# Power Supply Note:

1. Keep the pedal fully connected with guitar and amp.
2. Powered with DC 9V adapter, central negative.
3. Recommended to choose JOYO original power adapter(**Not included**), or other reliable brands.



*Image: Important note regarding power supply requirements for the JOYO California Sound JF-15 pedal, emphasizing DC 9V and central negative polarity.*

## 3. OPERATING INSTRUCTIONS

The JOYO California Sound JF-15 pedal features six control knobs and a footswitch for engaging the effect. Understanding these controls is key to shaping your desired tone.

# Six Control Knobs:

- ① **LOW/MID/HIGH:** Low/Middle/High frequency.
- ② **VOICE:** Frequency response and the distortion. Adjust together with the DRIVE, it can simulate many kinds of Amplifier.
- ③ **DRIVE:** Gain control.
- ④ **LEVEL:** Output level.



Image: Diagram detailing the six control knobs on the JOYO California Sound JF-15 pedal and their functions.

- **LOW:** Adjusts the low-frequency (bass) response of the tone.
- **MID:** Adjusts the mid-frequency response of the tone.
- **HIGH:** Adjusts the high-frequency (treble) response of the tone.
- **VOICE:** Controls the frequency response and the character of the distortion. Adjusting this knob in conjunction with the DRIVE knob allows for simulating various amplifier types.
- **DRIVE:** Controls the amount of gain or distortion. Turning it clockwise increases the intensity of the overdrive/distortion effect.
- **LEVEL:** Controls the overall output volume of the pedal.
- **Bypass Footswitch:** Engages or disengages the effect. When the effect is engaged, the LED indicator will illuminate.

Experiment with the combination of these controls to achieve a wide array of rock tones, from subtle boosts to heavy distortion, mimicking classic Mesa Boogie MKII amplifier sounds.

## 4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your JOYO California Sound JF-15 pedal.

- **Cleaning:** Use a soft, dry cloth to wipe the pedal's surface. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and internal components.
- **Storage:** When not in use for extended periods, store the pedal in a dry, cool environment away from direct sunlight and extreme temperatures. If using a battery, remove it to prevent leakage.
- **Physical Protection:** The pedal features a durable aluminum alloy casing with a stoving varnish finish, offering good resistance to rust. However, avoid dropping the pedal or subjecting it to excessive force, which could damage internal circuitry or external controls.
- **Connections:** Periodically check all input and output jacks for debris or corrosion. Ensure cables are inserted and removed carefully to prevent damage to the jacks.



*Image: Close-up view of the JOYO California Sound JF-15 pedal, highlighting its stable and sturdy aluminum alloy casing and finish.*

## 5. TROUBLESHOOTING

If you encounter issues with your JOYO California Sound JF-15 pedal, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
No sound when pedal is engaged.	<ul style="list-style-type: none"><li>• Incorrect power supply.</li><li>• Loose or faulty cables.</li><li>• Pedal not engaged (LED off).</li><li>• Low battery (if applicable).</li></ul>	<ul style="list-style-type: none"><li>• Ensure DC 9V, center-negative power supply is used and connected securely.</li><li>• Check all instrument cables for proper connection and functionality.</li><li>• Press the footswitch to engage the effect; the LED should illuminate.</li><li>• Replace the 6F22 battery if using battery power.</li></ul>
Unexpected noise or hum.	<ul style="list-style-type: none"><li>• Improper power supply.</li><li>• Ground loop issues.</li><li>• Faulty cables.</li><li>• Interference from other electronics.</li></ul>	<ul style="list-style-type: none"><li>• Use a high-quality, regulated DC 9V center-negative power supply.</li><li>• Ensure all equipment is properly grounded. Try isolating the pedal's power.</li><li>• Test with different cables.</li><li>• Move the pedal away from power transformers or other noisy electronic devices.</li></ul>
LED indicator not lighting up.	<ul style="list-style-type: none"><li>• No power or incorrect power.</li><li>• Footswitch not pressed.</li></ul>	<ul style="list-style-type: none"><li>• Verify power supply connection and specifications (DC 9V, center-negative).</li><li>• Press the footswitch firmly.</li></ul>

If problems persist after following these steps, contact JOYO customer support or consult a qualified technician.

## 6. SPECIFICATIONS

<b>Model Number</b>	JF-15
<b>Brand</b>	JOYO
<b>Item Weight</b>	13.8 ounces (390 Grams)
<b>Product Dimensions</b>	4.72 x 2.17 x 3.82 inches (3.82" L x 2.17" W x 4.72" H)
<b>Body Material</b>	Aluminum
<b>Power Source</b>	Corded Electric, Battery Powered (6F22 Battery)
<b>Voltage</b>	9 Volts (DC)
<b>Compatible Devices</b>	Electric Guitar, Guitar Amplifier, Guitar Pedal
<b>Connector Type</b>	1/4-Inch Right Angle, 1/4-Inch Right Angle to Straight, 1/4-Inch Straight
<b>Hardware Interface</b>	1/4-inch Audio
<b>Signal Format</b>	Analog
<b>Musical Style</b>	Pop, Rock, Blues

## 7. WARRANTY AND SUPPORT

Warranty information for the JOYO California Sound JF-15 pedal is typically provided at the point of purchase or can be found on the official JOYO website. Please retain your proof of purchase for warranty claims.

For further assistance, technical support, or inquiries, please visit the official JOYO Store or contact their customer service channels. You can find more information at the [JOYO Official Store on Amazon](#).

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