

JOYO R-15

JOYO R-15 Preamp House Cabinet Simulator Pedal Instruction Manual

MODEL: R-15 | BRAND: JOYO

Overview	Features	Controls	Setup	Operating	Specifications	Maintenance	Troubleshooting	Warranty
----------	----------	----------	-------	-----------	----------------	-------------	-----------------	----------

1. PRODUCT OVERVIEW

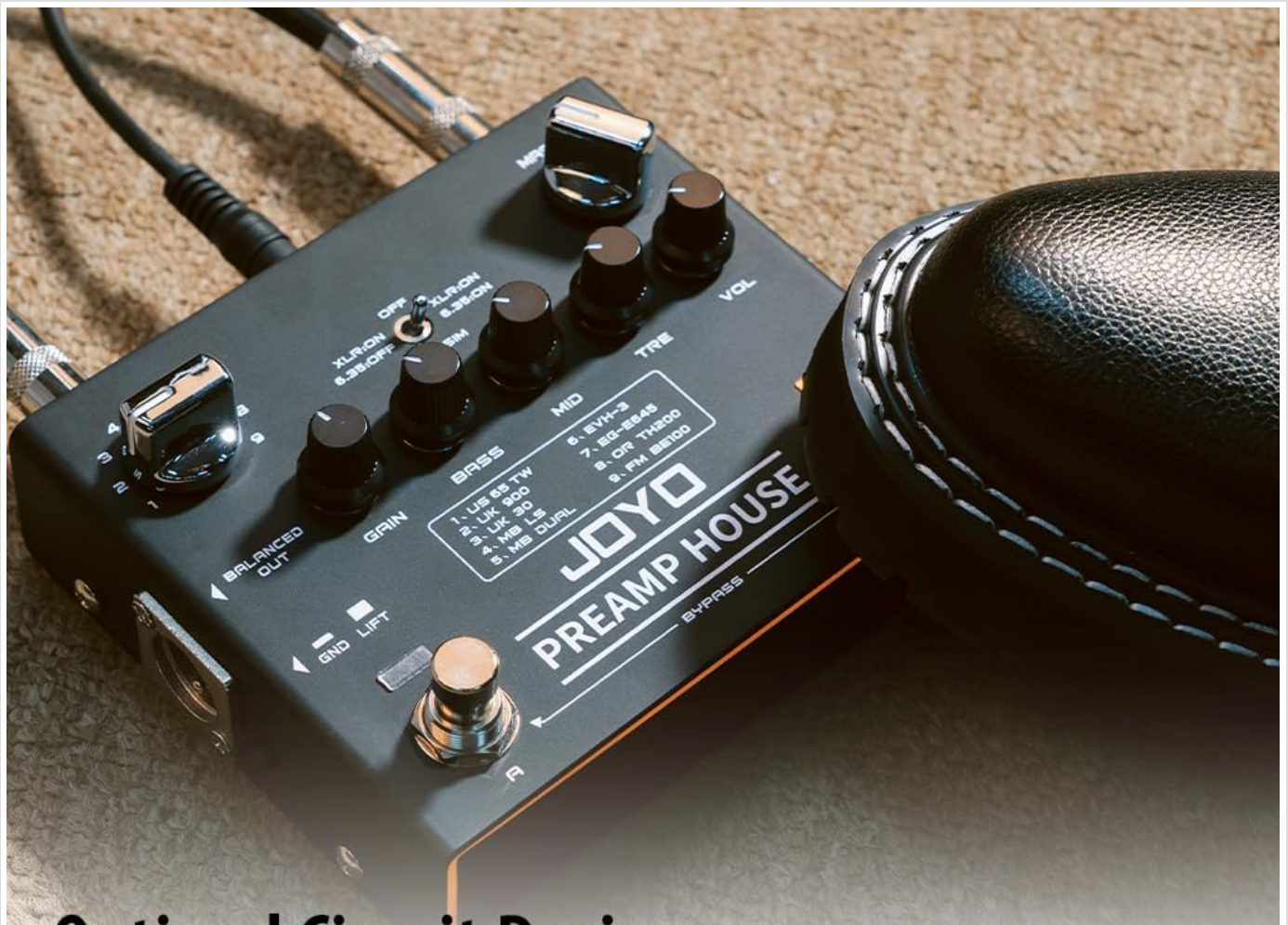
The JOYO R-15 Preamp House is a versatile cabinet simulator pedal designed for electric guitar effects. It integrates 9 classic and high-gain amplifier preamps, each offering both Clean and Distortion channels, totaling 18 distinct tones. This pedal is part of the R series, featuring a robust aluminum alloy casing and iconic ambience lights. It is engineered to provide a wide range of tones suitable for various musical styles including pop, rock, blues, jazz, and metal.



Image: JOYO R-15 Preamp House Pedal, showcasing its compact design and controls.

2. KEY FEATURES

- **9 Built-in Preamps:** Offers 9 distinct amp models, each with Clean and Distortion channels (18 tones total).
- **Dual Footswitches:** Allows seamless switching between Clean and Distortion channels.
- **Integrated FX LOOP:** Features SEND and RETURN jacks for connecting external effects pedals.
- **Cabinet Simulation:** Includes a CAB SIM toggle switch for XLR and 1/4-inch outputs.
- **Balanced XLR Output:** For direct connection to a mixer or audio interface.
- **Headphone Output:** A 1/8-inch jack for silent practice.
- **Durable Construction:** Built with aluminum alloy casing for stability and longevity.
- **Ambience Lights:** Unique LED lighting design for visual appeal, with ON/OFF/SYNC modes.



Optimal Circuit Design

- 9 amps' preamps in one pedal(18 tones in all).
- 2 Footswitches for the control of Clean Channel and Distortion Channel, you can switch easily between Fender's Clean and Marshall's Distortion!
- FX LOOP interface for external FX pedal, balanced Output.

Image: Top view of the JOYO R-15 pedal, highlighting the control knobs and footswitches.

3. CONTROLS AND FUNCTIONS

3.1. Control Knobs

- **GAIN:** Adjusts the amount of gain/distortion.
- **BASS:** Controls the low-frequency response.
- **MID:** Controls the mid-range frequency response.
- **TRE:** Controls the high-frequency response.
- **VOL:** Adjusts the output volume of the selected channel.
- **MASTER:** Overall master volume control for the pedal.

3.2. Amp Model Selection

The pedal features a rotary switch to select from 9 different amp models. Each model has a Clean and Distortion channel accessible via the footswitches.

1. US 65 TW (Based on Fender '65 Twin Reverb)

2. UK 900 (Based on Marshall JCM900)
3. UK 30 (Based on Vox AC30)
4. MB LS (Based on Mesa Boogie Lonestar)
5. MB DUAL (Based on Mesa Boogie Dual Rectifier)
6. EVH-3 (Based on EVH 5150 III)
7. EG-E645 (Based on ENGL Powerball E645)
8. OR TH200 (Based on Orange Thunderverb 200)
9. FM BE100 (Based on Friedman BE100)

3.3. Footswitches and Toggles

- **A/B Footswitches:** Selects between the Clean (A) and Distortion (B) channels for the active amp model. Long press to save current knob settings for the selected channel.
- **CAB SIM Toggle:** Controls cabinet simulation for the outputs. Options: OFF, XLR:ON/6.35:OFF, XLR:ON/6.35:ON.
- **GND LIFT Switch:** Helps eliminate ground loop hum when using the balanced XLR output.



Image: Detailed view of the control knobs and switches on the JOYO R-15 pedal.

4. SETUP AND CONNECTIONS

4.1. Power Supply

The JOYO R-15 requires a DC 9V power supply (center minus, 400mA current). For optimal performance and to avoid unexpected noise, it is recommended to use an original JOYO power adapter or another reliable brand that meets the specifications.

4.2. Basic Connections

- Connect your guitar to the **INPUT** jack.
- Connect the **OUTPUT** jack to your amplifier's input or a power amp.
- For direct recording or PA systems, use the **BALANCED OUT (XLR)** jack.
- For silent practice, connect headphones to the **HEADPHONE** jack.

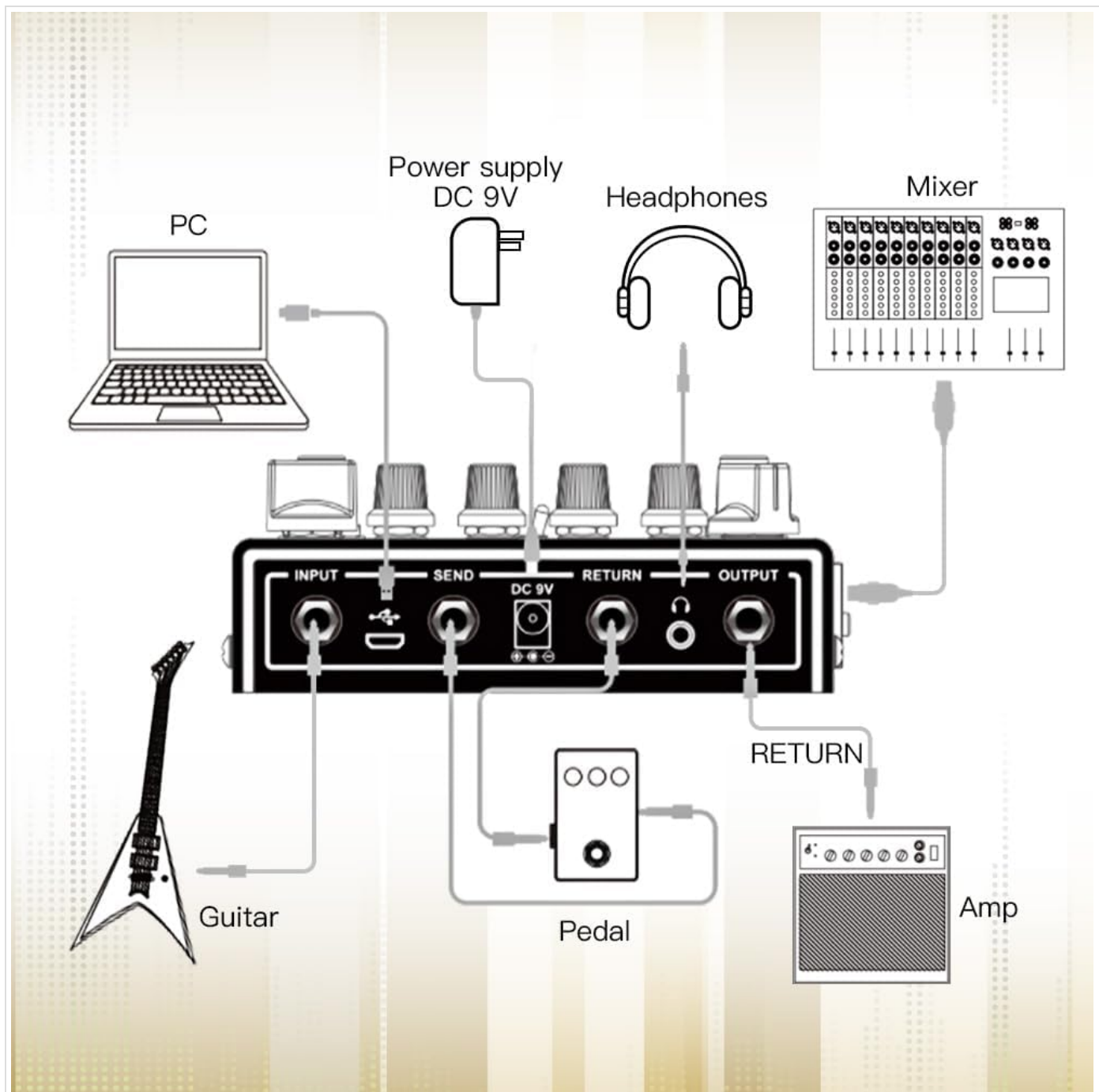


Image: Rear panel of the JOYO R-15 showing input, output, FX loop, power, and XLR connections.

4.3. FX LOOP Connection

To integrate external effects pedals (e.g., time-based or modulation effects) into the signal chain after the preamp, use the SEND and RETURN jacks:

- Connect the **SEND** jack to the input of your external effects pedal.
- Connect the output of your external effects pedal to the **RETURN** jack.

4.4. Connection Diagram



Image: Comprehensive diagram illustrating various connection possibilities for the JOYO R-15 pedal, including guitar, amplifier, external pedals, PC, mixer, and headphones.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

Ensure all connections are made before powering on. The pedal powers on automatically when connected to a power supply. To turn off, disconnect the power supply.

5.2. Selecting Amp Models and Channels

- Use the 9-position rotary switch to select your desired amp model.
- Press the **A footswitch** for the Clean channel or the **B footswitch** for the Distortion channel.

5.3. Saving Settings

To save the current knob settings for an active channel (A or B) of a specific amp model, long-press the corresponding footswitch (A or B) until the ambience lights blink, indicating the settings have been saved.

5.4. Adjusting Tone

Use the GAIN, BASS, MID, TRE, VOL, and MASTER knobs to fine-tune your sound. Experiment with different settings to achieve your desired tone.

5.5. Using Cabinet Simulation

The CAB SIM toggle switch allows you to apply cabinet simulation to your outputs. This is particularly useful when connecting directly to a mixer or audio interface for a more polished, amp-like sound without needing a physical cabinet.

5.6. Ambience Lights

The pedal features ambience lights that can be configured via a small switch on the side:

- **SYNC mode:** Lights flicker in sync with the panel indicator when tone parameters change.
- **ALWAYS mode:** Lights are always on.
- **OFF mode:** Lights are off.



Iconic exquisite appearance
Aluminum alloy casing
Stable And Sturdy
Stoving varnish finish
Good resistance to rust

Sci-fi & Retro LED Neon Lights Designed

Image: Side view of the JOYO R-15 pedal, illustrating the LED ambience lights.

5.7. Product Videos

Watch these official product videos to see the JOYO R-15 Preamp House in action and hear its various tones.

Video: JOYO PreAmp House Preamp Simulator Effect Pedal (R15) - Official demonstration of the pedal's features and sound.

Video: JOYO Preamp House R-15 Dual Channel Cabinet Simulator Pedal - Customer review and sound demo.

Video: JOYO Preamp House - High Gain Tones - Metal Test - Customer demonstration of high-gain capabilities.

Video: Nice preamp sounds amazing when settings are right - Customer review and sound demonstration.

6. TECHNICAL SPECIFICATIONS

Item Weight	15.9 ounces (450 Grams)
Product Dimensions	5.12 x 1.97 x 4.33 inches

Input	1/4' mono audio jack x1 (impedance: 1MΩ)
Output	1/4' mono audio jack x1 (impedance: 600Ω)
Headphone Output Impedance	32Ω
XLR Output Impedance	600Ω
RETURN Input Impedance	1MΩ
SEND Output Impedance	600Ω
Working Voltage	DC 9V (center minus)
Current	400mA
Sample Resolution	24bit
Sample Rate	44.1K
Body Material	Aluminum, Stainless-Steel, Alloy, Carbon Fiber

Specifications

Input: 1/4' mono audio jack x1 (impedance: 1M Ω)

Output: 1/4' mono audio jack x1 (impedance: 600 Ω)

Headphone Output Impedance: 32 Ω

XLR output impedance: 600 Ω

RETURN input impedance: 1M Ω

SEND output impedance: 600 Ω

Item Weight: 1 lb/15.87 ounces

Sample resolution: 24bit

Working Voltage: DC 9V (center minus)

Current: 400mA

Sample rate: 44.1K



Image: JOYO R-15 pedal with key dimensions labeled.

7. MAINTENANCE AND CARE

- Keep the pedal clean by wiping it with a soft, dry cloth.
- Avoid exposing the pedal to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or modify the pedal, as this will void the warranty.
- Ensure proper power supply is used to prevent damage.

8. TROUBLESHOOTING

8.1. No Sound

- Check all cable connections (guitar, input, output, power).
- Ensure the power adapter meets the DC 9V, center minus, 400mA requirements.

- Verify that your amplifier or mixer is powered on and correctly configured.
- If using the FX LOOP, ensure external pedals are powered and connected correctly.

8.2. Unexpected Noise/Hum

- Use the GND LIFT switch to eliminate ground loop hum, especially with XLR connections.
- Ensure all cables are in good condition and properly shielded.
- Verify the power supply is stable and free from interference.

8.3. Pedal Getting Warm

It is normal for the pedal to generate some heat during operation. If the pedal becomes excessively hot, ensure it has adequate ventilation and is not covered. If the issue persists, discontinue use and contact customer support.

9. WARRANTY AND SUPPORT

JOYO products typically come with a manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official JOYO website. If you encounter any product issues, please contact the seller or JOYO customer support directly for assistance.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Email

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details.](#)

Question

Details

Submit question