

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [JOYO](#) /
- › [JOYO R-24, JF-21, and JF-20 Guitar Pedal Bundle Instruction Manual](#)

JOYO R24+JF21+JF20 Pedals

JOYO R-24, JF-21, and JF-20 Guitar Pedal Bundle Instruction Manual

High Gain Overdrive, Distortion, and Reverb Pedals

1. INTRODUCTION

This manual provides comprehensive instructions for the JOYO R-24 High Gain Overdrive Pedal (Rigel Preamp), JOYO JF-21 Distortion Pedal (Splinter), and JOYO JF-20 Reverb Pedal (Moist Reverb) bundle. Please read this manual carefully before using the pedals to ensure proper operation and to maximize your musical experience.



Image 1.1: The JOYO R-24 Rigel Preamp, JF-21 Splinter Distortion, and JF-20 Moist Reverb pedals.

2. PRODUCT OVERVIEW AND FEATURES

This bundle includes three distinct guitar effects pedals, each designed to enhance your sound in unique ways.

2.1 JOYO R-24 Rigel Preamp (High Gain Overdrive)

The JOYO R-24 Rigel Preamp is a high-gain preamp simulation pedal designed to emulate the characteristics of an amplifier head. It offers versatile tone shaping for various genres, particularly suited for metal guitarists.

Key Features:

- High gain preamp simulation.
- 3-band EQ (Bass, Middle, Treble) for precise tone control.
- VOL (Volume) knob to control output level.
- DRIVE knob for adjusting the amount of gain/overdrive.

- FEEL toggle switch to control tone tightness.
- MOD toggle switch offering 3 special head tones.
- BRIGHT toggle switch to add warmth to the original tone.

High Gain Preamp Analog Pedal

Simulate The Amplifier Head Greatly.
Modulate Clean And Futuristic Tones For Metalhead Guitarists.

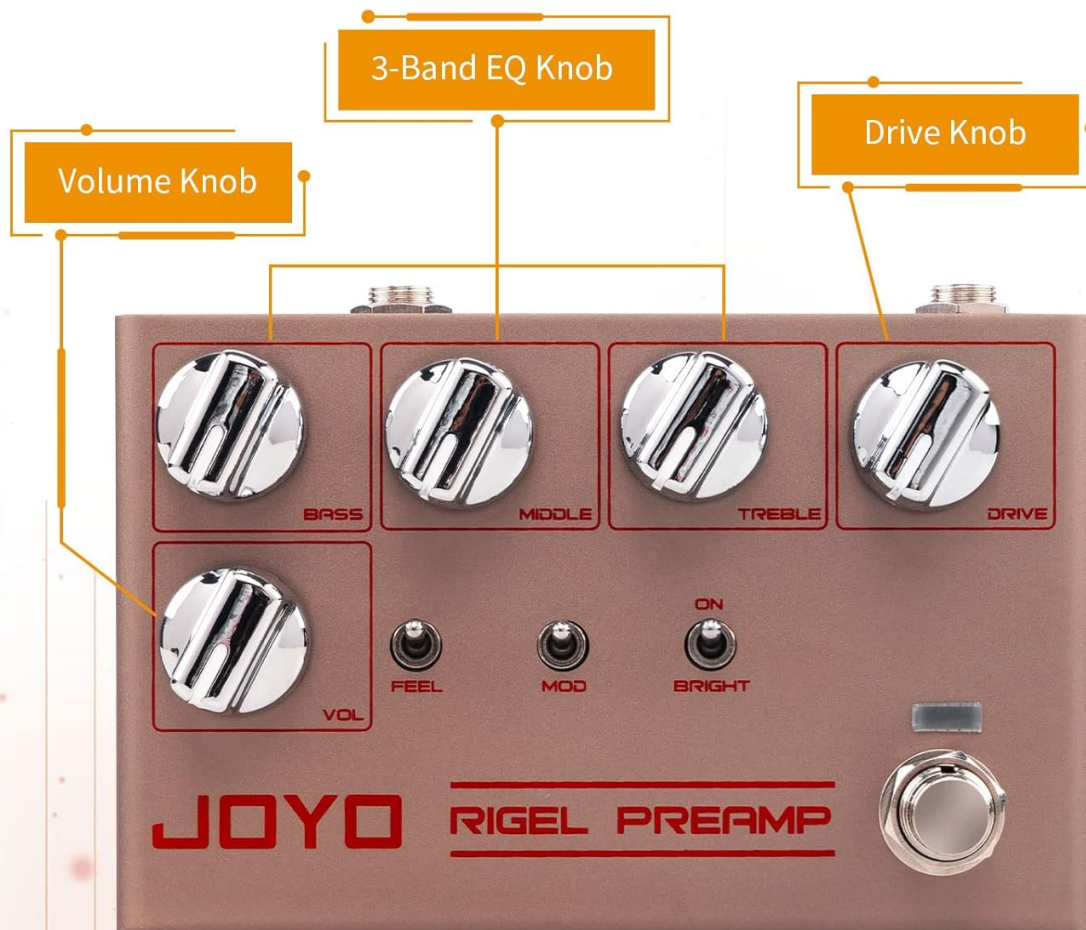


Image 2.1.1: JOYO Rigel Preamp with labeled control knobs.

Feel Toggle Switch
Control tone tightness.

Bright Toggle Switch
Add a little bit of warmth to the original sharp tone.

MOD Toggle Switch
Offer 3 special head tones.



Image 2.1.2: JOYO Rigel Preamp with labeled toggle switches.



Image 2.1.3: JOYO Rigel Preamp on a guitar.

2.2 JOYO JF-21 Splinter Distortion

The JOYO JF-21 Splinter is a classic distortion pedal that delivers unique tones resembling both fuzz and traditional distortion.

Key Features:

- DISTORTION knob for adjusting gain.
- FILTER knob for tone shaping.
- VOLUME knob for output level.
- STOCK/FAT toggle switch: STOCK for a dry, bright tone; FAT for a wet, thick tone.

DISTORTION PEDAL



Image 2.2.1: JOYO Splinter Distortion pedal.



Image 2.2.2: JOYO Splinter Distortion with STOCK/FAT switch explanation.

2.3 JOYO JF-20 Moist Reverb

The JOYO JF-20 Moist Reverb is a digital reverb pedal featuring a high-performance 32-bit DSP chip, offering three distinct reverb modes.

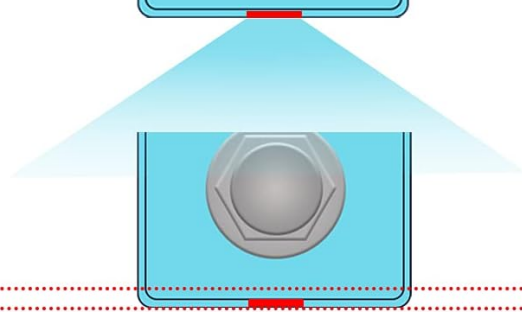
Key Features:

- 3 Reverb Modes: Studio, Church, and Plate.
- DECAY knob to control the length of the reverb tail.
- MIX knob to adjust the blend of wet (effected) and dry (original) signal.
- TONE knob to shape the timbre of the reverb.



Image 2.3.1: JOYO Moist Reverb pedal.

SHELL THICKNESS COMPARISON



JOYO JF-20 2.5mm

OTHER BRANDS 2.0mm

Image 2.3.2: JOYO Moist Reverb shell thickness comparison.



Image 2.3.3: JOYO Moist Reverb angled view.

3. SETUP GUIDE

Follow these steps to set up your JOYO pedals.

3.1 Power Connection

1. Ensure all pedals are powered off before connecting.
2. Connect a standard 9V DC power adapter (center negative) to the DC IN jack on each pedal.
3. Use a power supply with sufficient current capacity for all pedals if using a daisy chain.

3.2 Audio Connections

1. Connect your guitar to the IN jack of the first pedal in your signal chain (e.g., Rigel Preamp or Splinter Distortion).

2. Connect the OUT jack of the first pedal to the IN jack of the next pedal in your desired signal chain.
3. Connect the OUT jack of the last pedal in your chain (e.g., Moist Reverb) to your amplifier's input.
4. Ensure all cables are securely connected.

4. OPERATING INSTRUCTIONS

Each pedal features intuitive controls for shaping your sound.

4.1 JOYO R-24 Rigel Preamp Operation

- **VOL (Volume):** Controls the overall output level of the pedal. Start at a low setting and adjust to match your amplifier's volume.
- **BASS, MIDDLE, TREBLE (EQ):** Adjust these knobs to sculpt the low, mid, and high frequencies of your tone.
- **DRIVE:** Increases the amount of gain and overdrive. Higher settings produce more distortion and sustain.
- **FEEL Switch:** Toggles between different tone tightness characteristics. Experiment to find your preferred feel.
- **MOD Switch:** Selects between 3 unique head tones, offering distinct sonic flavors.
- **BRIGHT Switch:** Engages a bright boost, adding clarity and warmth to your sound.
- **Footswitch:** Engages or bypasses the effect. The LED indicates whether the effect is active.

4.2 JOYO JF-21 Splinter Distortion Operation

- **DISTORTION:** Controls the amount of distortion. Turn clockwise for more aggressive, saturated tones.
- **FILTER:** Acts as a tone control, shaping the overall brightness or darkness of the distorted sound.
- **VOLUME:** Adjusts the output level of the pedal.
- **STOCK/FAT Switch:** Selects between two distinct tonal characters. STOCK provides a drier, brighter tone, while FAT offers a thicker, wetter sound.
- **Footswitch:** Engages or bypasses the effect. The LED indicates whether the effect is active.

4.3 JOYO JF-20 Moist Reverb Operation

- **DECAY:** Controls the length of the reverb tail. Higher settings result in longer, more ambient reverb.
- **MIX:** Adjusts the balance between your dry (unaffected) guitar signal and the wet (reverb) signal.
- **TONE:** Shapes the brightness or darkness of the reverb effect itself.
- **Mode Switch (Studio/Church/Plate):** Selects one of the three reverb algorithms.
 - **Studio:** A natural, balanced room reverb.
 - **Church:** A large, expansive reverb simulating a church acoustic.
 - **Plate:** A classic, bright, and dense plate reverb sound.
- **Footswitch:** Engages or bypasses the effect. The LED indicates whether the effect is active.

5. MAINTENANCE

Proper care will ensure the longevity and optimal performance of your pedals.

- **Cleaning:** Use a soft, dry cloth to clean the pedal surfaces. Avoid abrasive cleaners or solvents.

- **Storage:** Store pedals in a cool, dry place away from direct sunlight and extreme temperatures.
- **Power:** Always disconnect power when not in use for extended periods.
- **Connections:** Periodically check all cable connections for wear and tear.

6. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No sound or weak signal.	Incorrect cable connections, dead power supply, pedal bypassed.	Check all input/output cables. Ensure power supply is working and connected. Press footswitch to engage effect (LED should be on).
Unwanted noise or hum.	Poor power supply, ground loop, faulty cables, interference.	Use a regulated, isolated power supply. Try different cables. Ensure proper grounding. Move away from other electronic devices.
Effect not working as expected.	Incorrect knob settings, wrong mode selected.	Refer to the Operating Instructions section for each pedal. Adjust knobs and switches (e.g., Moist Reverb mode, Splinter STOCK/FAT, Rigel MOD/BRIGHT/FEEL).

7. SPECIFICATIONS

Detailed specifications for the pedals in this bundle.

Feature	Specification
Brand	JOYO
Model (Bundle)	R24+JF21+JF20 Pedals
Signal Format	Analog (Rigel Preamp, Splinter Distortion), Digital (Moist Reverb)
Power Source	9V DC (Center Negative)
Controls Type	Knob, Toggle Switch, Footswitch
ASIN	B0C6CQL1G5
First Available	May 26, 2023

8. WARRANTY AND SUPPORT

JOYO is committed to providing high-quality products and customer satisfaction. For warranty information, technical support, or service inquiries, please refer to the official JOYO website or contact your authorized dealer.

You can visit the official JOYO store on Amazon for more information: [JOYO Official Store](#)

