

## JOYO R-05

# JOYO Maximum R-05 Overdrive Pedal Instruction Manual

Brand: JOYO | Model: R-05

## 1. INTRODUCTION

The JOYO Maximum R-05 is a versatile dual-channel overdrive pedal designed for electric guitar. It offers two distinct overdrive tones: a pure and clean drive channel without compression, and a wild boost channel with independent control for extended sustain. This pedal also features two toggle switches for adjusting mid-frequency brightness and selecting between MOSFET and diode clipper circuit clippings. Its robust aluminum alloy casing and unique LED lighting enhance both durability and aesthetic appeal.

## 2. SAFETY INFORMATION

- Use only a DC 9V (center minus) power adapter. Ensure the adapter meets the pedal's current requirements (30mA).
- Avoid using non-original power adapters to prevent unexpected noise or damage.
- Do not disassemble or modify the pedal.
- Keep the pedal away from water, moisture, and extreme temperatures.
- Clean with a dry, soft cloth.

## 3. PACKAGE CONTENTS

- JOYO Maximum R-05 Overdrive Pedal (Power supply not included)
- User Manual

## 4. CONTROLS AND FUNCTIONS



## Maximum Overdrive Dual Channel Pedal

Two fabulous overdrive tones are created by the dual channel, the Drive channel features pure and clean overdrive tone without compression. While Boost Channel delivers wild overdrive effect and long sustain by its independent BOOST Control Knob.

Image: Front view of the JOYO Maximum R-05 Overdrive Pedal, highlighting its dual-channel design and control knobs.

- **VOL (Volume):** Controls the overall output volume of the pedal.
- **TONE:** Adjusts the brightness or darkness of the overdrive tone.
- **GAIN:** Controls the amount of overdrive/distortion for the Drive channel.
- **BOOST:** Controls the amount of boost for the Boost channel.
- **DRIVE Footswitch:** Activates/deactivates the Drive channel.
- **BOOST Footswitch:** Activates/deactivates the Boost channel.
- **Mid-Frequency Toggle Switch (Left):** Adjusts the brightness of the mid-frequency (3 positions: HD.CLIP, FLAT, SMOOTH).
- **Circuit Clipping Toggle Switch (Right):** Switches between different circuit clippings (MOSFET clipper mode and diode clipper mode).

# Optimal Circuit & True Bypass Design

- The left toggle switches for adjusting the brightness of Mid-frequency.
- The right toggle switches for switching between different circuit clippings.
- True Bypass designed minimizes tone loss and keeps a clean signal path.



Image: Close-up of the pedal's toggle switches, illustrating the optimal circuit and true bypass design.

The left toggle switch adjusts the brightness of the mid-frequency, offering three distinct positions for tonal shaping. The right toggle switch allows you to select between MOSFET clipper mode and diode clipper mode, providing different characteristics of circuit clipping. The true bypass design minimizes tone loss when the pedal is disengaged, ensuring a clean signal path.

## 5. SETUP

1. Connect your guitar to the 'INPUT' jack on the right side of the pedal.
2. Connect the 'OUTPUT' jack on the left side of the pedal to your amplifier or next pedal in the signal chain.
3. Connect a DC 9V (center minus) power adapter to the DC 9V input.
4. Ensure all connections are secure before powering on your amplifier.





**\*Note:**

Keep the pedal fully connected with guitar and amp before playing.



Make sure it meets the working current and adapter requirement of the pedal.



We recommend that you purchase a JOYO original power adapter(not included), or choose other reliable brands.

Image: Diagram showing proper connection of the pedal to a guitar and amplifier, along with power supply details.

For optimal performance and to avoid unexpected noise, ensure the pedal is fully connected with your guitar and amplifier before playing. It is highly recommended to use a JOYO original power adapter or another reliable brand that meets the DC 9V (center minus) and 30mA current requirements.

## 6. OPERATING THE PEDAL

### Dual Channel Overdrive

The R-05 pedal features two distinct overdrive channels:

- **Drive Channel:** Provides a pure and clean overdrive tone without compression. Use the GAIN knob to adjust the intensity.
- **Boost Channel:** Delivers a wild overdrive effect with long sustain. Use the independent BOOST knob to control the level of boost.

### Tonal Shaping

Utilize the TONE knob to fine-tune the overall brightness of your sound. Experiment with the two toggle switches to further sculpt your tone:

- The left toggle switch allows you to adjust the mid-frequency brightness, offering three distinct settings.
- The right toggle switch lets you choose between MOSFET and diode clipping modes, each providing a unique overdrive character.

Video: Demonstration of the JOYO R-Series Maximum Overdrive Pedal's features and sound. This video showcases the pedal's capabilities and various tonal options.

Video: Detailed overview of the JOYO Maximum Overdrive Pedal. This video provides an in-depth look at the pedal's controls and sound characteristics.

Video: Review of the JOYO Maximum Overdrive Dual Channel Pedal (R05). This video offers insights into the pedal's performance and versatility.

Video: Tone demo of the JOYO Maximum Dual Channel Overdrive. This video highlights the different tones achievable with the pedal's dual channels.

## 7. SPECIFICATIONS

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Feature	Specification
Input Impedance	1MΩ
Output Impedance	100Ω
Working Voltage	DC 9V (center minus)
Rated Current Consumption	30mA
Item Weight	386 Grams (13.6 ounces)
Product Dimensions	12.5cm L x 7.85cm W x 4.8cm H (4.92"L x 3.09"W x 1.89"H)
Material Type	Alloy, Aluminum, Carbon Fiber, Stainless-Steel
Signal Format	Analog

The pedal's compact and sturdy design, featuring an aluminum alloy casing, ensures durability and good resistance to rust.



Image: Detailed diagram showing the dimensions and key specifications of the JOYO Maximum R-05 Overdrive Pedal.

8. MAINTENANCE

- Regularly inspect cables and connections for wear and tear.
- Keep the pedal clean and free from dust and debris.
- Store the pedal in a dry, cool place when not in use.
- Avoid dropping the pedal or subjecting it to strong impacts.

## 9. TROUBLESHOOTING

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- **No Sound:** Check all cable connections (guitar, pedal, amplifier). Ensure the power adapter is correctly connected and functioning. Verify that the pedal is engaged (LED indicator on).
- **Weak or Distorted Sound:** Check the battery (if applicable) or power supply. Ensure all knobs are set appropriately and not at extreme positions that might cause unwanted distortion.
- **Excessive Noise:** Use a high-quality, isolated power supply. Ensure all cables are shielded. Avoid placing the pedal too close to power sources or other electronic devices that might cause interference.
- **Pedal Not Engaging:** Ensure the footswitch is pressed firmly. Check power supply.

## 10. WARRANTY AND SUPPORT

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For warranty information, technical support, or service inquiries, please refer to the official JOYO website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.