

JOYO JF-24, JA-02 II

JOYO JF-24 Line Selector Pedal & JA-02 II Mini Guitar Amplifier User Manual

Model: JF-24, JA-02 II

1. INTRODUCTION

This manual provides detailed instructions for the JOYO JF-24 Line Selector Guitar Pedal and the JOYO JA-02 II Mini Guitar Combo Amplifier. Please read this manual thoroughly before using the products to ensure proper operation and to maximize their performance.

2. SAFETY INFORMATION

- Do not expose the devices to water or excessive moisture.
- Avoid operating near heat sources or in direct sunlight.
- Use only specified power adapters and cables.
- Do not attempt to disassemble or modify the devices. Refer all servicing to qualified personnel.
- Keep out of reach of children.

3. PACKAGE CONTENTS

The package includes the following items:

- JOYO JF-24 Line Selector Guitar Pedal
- JOYO JA-02 II Mini Guitar Combo Amplifier
- Power adapter for JF-24 (if included, typically 9V DC)
- USB charging cable for JA-02 II (if applicable)
- User Manual (this document)

Note: Items may be shipped separately.

4. PRODUCT OVERVIEW

4.1 JOYO JF-24 Line Selector Guitar Pedal

The JF-24 Line Selector pedal provides two independent effect loops (A and B) and six looping modes for versatile signal routing. It allows you to switch between different effects chains or combine them.

JF-24 Line Selector guitar pedals

6 Mode Switch | A/B 2 Effect Loop | Independent Control

1.LINE A LEVEL Control Knob

controls line A's level.

2.LINE B LEVEL Control Knob

controls line B's level.

3.LINE Mode Selection Control Knob

selects the
multiple line mode.



Figure 4.1: JF-24 Line Selector Pedal Controls

This image displays the JOYO JF-24 Line Selector Pedal, highlighting its main controls: Line A Level knob, Line B Level knob, and the Line Mode Selection Control Knob. It also shows the input, output, DC9V power input, and Send/Return jacks for loops A and B.

- **1. Line A Level Control Knob:** Adjusts the output level of Line A.
- **2. Line B Level Control Knob:** Adjusts the output level of Line B.
- **3. Line Mode Selection Control Knob:** Selects one of the six available looping modes.

- **Input Jack:** Connect your guitar or previous effect pedal here.
- **Output Jack:** Connect to your amplifier or next effect pedal.
- **Send A / Return A:** Effect loop A connection points.
- **Send B / Return B:** Effect loop B connection points.
- **DC9V Input:** Power supply connection.
- **Footswitch:** Activates/deactivates the selected loop mode.

4.2 JOYO JA-02 II Mini Guitar Combo Amplifier

The JA-02 II is a portable 5W mini guitar amplifier featuring two effects channels (Clean and Overdrive) and Bluetooth 5.0 connectivity for audio playback. It is designed for practice and portability.



Figure 4.2: JA-02 II Mini Guitar Amplifier Controls

This image shows the front panel of the JOYO JA-02 II Mini Guitar Combo Amplifier, detailing its controls: Bluetooth button, B.T./AUX VOL knob, Volume knob, Tone knob, Clean/Overdrive switch, and Gain knob. The input jack is also visible.

- **Bluetooth Button:** Activates Bluetooth pairing mode.
- **B.T./AUX VOL Knob:** Adjusts the volume for Bluetooth or auxiliary input.
- **Volume Knob:** Controls the overall output volume of the guitar signal.
- **Tone Knob:** Adjusts the tonal characteristics (treble/bass).
- **Clean/Overdrive Switch:** Selects between clean and overdriven guitar tones.
- **Gain Knob:** Controls the amount of distortion/gain in Overdrive mode.
- **Input Jack:** Connect your guitar or effect pedal output here.
- **Charging Port:** (Typically on the back or side) For recharging the internal battery.

Mini size | Portable | High Volume



Figure 4.3: JA-02 II Mini Guitar Amplifier Dimensions

This image illustrates the compact dimensions of the JOYO JA-02 II amplifier, showing its approximate measurements as 5.8 inches (14.7 cm) wide, 9.8 inches (9.6 cm) high, and 3 inches (7.5 cm) deep.

5. SETUP

5.1 JOYO JF-24 Line Selector Pedal Setup

1. Connect a 9V DC power adapter (center negative) to the DC9V input jack of the JF-24.
2. Connect your guitar to the **INPUT** jack of the JF-24.
3. Connect the **OUTPUT** jack of the JF-24 to your amplifier's input or the input of another effect pedal.
4. To use effect loops:
 - For Loop A: Connect the **SEND A** jack to the input of your effect pedal(s) for Loop A. Connect the output of the last pedal in Loop A to the **RETURN A** jack.
 - For Loop B: Connect the **SEND B** jack to the input of your effect pedal(s) for Loop B. Connect the output of the last pedal in Loop B to the **RETURN B** jack.

JF-24 ORTHROS SELECTOR

Offering great versatility to your tone. You can switch among multiple devices and digital pedals via JF-24.



Figure 5.1: JF-24 Connection Example

This image demonstrates how the JOYO JF-24 Line Selector Pedal connects to a guitar and an amplifier, with cables plugged into the input, output, and showing the potential for send/return connections for external pedals.

5.2 JOYO JA-02 II Mini Guitar Amplifier Setup

1. Ensure the JA-02 II amplifier is charged. Connect the USB charging cable to the charging port and a suitable USB power source if the battery is low.
2. Connect your guitar (or the output of the JF-24 pedal) to the **INPUT** jack of the JA-02 II amplifier.
3. Turn on the amplifier using the power switch (often integrated with the Volume knob or a separate switch).

6. OPERATING INSTRUCTIONS

6.1 JOYO JF-24 Line Selector Pedal Operation

The JF-24 allows you to manage two independent effect loops and switch between various signal paths.

A/B: 2 Line Loops

1. Features 2 line loops, you can switch between them easily.
2. Line Loop A and Line Loop B have LEVEL Control Knobs respectively, delivering multiple output effects according to different modes.



Figure 6.1: JF-24 Two Line Loops

This image highlights the two independent line loops (A and B) on the JF-24 pedal, indicating their respective Send and Return jacks, and the level control knobs for each loop.

1. **Power On:** Once connected to power, the pedal is ready for use.
2. **Adjusting Levels:** Use the **A LEVEL** and **B LEVEL** knobs to set the output volume for each respective loop.
3. **Selecting Looping Modes:** Rotate the **Line Mode Selection Control Knob** to choose one of the six available modes. The selected mode determines how the loops are routed.
4. **Activating/Deactivating:** Press the footswitch to engage or bypass the selected effect loop configuration.

6.1.1 Looping Modes

6 Looping Mode

- 1.A/B: Switch between Line Loop A and Line Loop B.
- 2.A/BYPASS: Line Loop A or BYPASS.
- 3.B/BYPASS: Line Loop B or BYPASS.
- 4.A/B/BYPASS: Line Loop A, Line Loop B, BYPASS.
- 5.A+B/BYPASS: Mix Line Loop A and Line Loop B, BYPASS.
- 6.A/B/BYPASS: Line Loop A, Line Loop B, DIRECT.



Figure 6.2: JF-24 6 Looping Modes

This image details the six looping modes available on the JF-24 pedal, as indicated by the Line Mode Selection Control Knob. Each mode offers a different configuration for routing signals through Line A, Line B, or bypassing them.

- 1. **A/B:** Switches between Line Loop A and Line Loop B.
- 2. **A/BYPASS:** Switches between Line Loop A and a direct bypass.
- 3. **B/BYPASS:** Switches between Line Loop B and a direct bypass.

- **4. A/B/BYPASS:** Switches sequentially between Line Loop A, Line Loop B, and a direct bypass.
- **5. A+B/BYPASS:** Switches between mixing Line Loop A and Line Loop B, and a direct bypass.
- **6. A/B/OUT SELECT:** Switches between Line Loop A, Line Loop B, and a direct output (bypassing both loops).

6.2 JOYO JA-02 II Mini Guitar Amplifier Operation

The JA-02 II amplifier offers both clean and overdriven tones, along with Bluetooth audio playback.

1. **Power On/Off:** Rotate the **Volume** knob clockwise to turn on the amplifier. Rotate counter-clockwise until it clicks to turn off.
2. **Guitar Volume:** Adjust the **Volume** knob to control the overall loudness of your guitar.
3. **Tone Control:** Use the **Tone** knob to shape the sound of your guitar. Turn clockwise for brighter tones, counter-clockwise for warmer tones.
4. **Selecting Channels:** Use the **Clean/Overdrive** switch to select your desired guitar tone.
 - **Clean:** Provides a clear, un-distorted guitar sound.
 - **Overdrive:** Engages a distorted, rock-style tone.
5. **Adjusting Gain (Overdrive Mode):** When in Overdrive mode, use the **Gain** knob to control the amount of distortion. Higher gain settings result in more aggressive distortion.
6. **Bluetooth Pairing:**



Bluetooth 5.0 | 6 hrs working

Easily connect to phone and up to 6 hours of working.

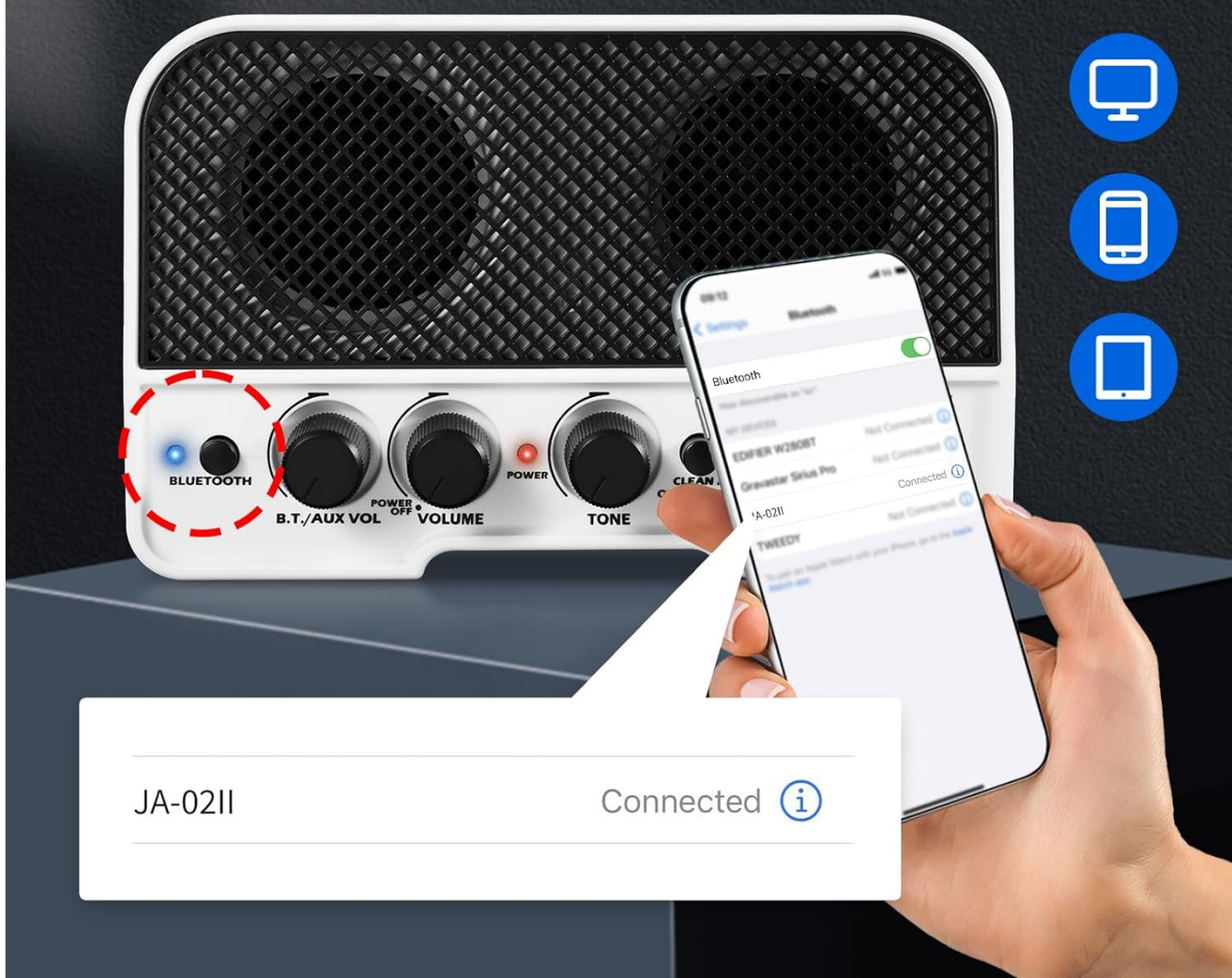


Figure 6.3: JA-02 II Bluetooth Pairing

This image shows the JOYO JA-02 II amplifier with its Bluetooth button illuminated, indicating pairing mode, and a smartphone screen displaying "JA-02II Connected" in its Bluetooth settings.

- Press the **Bluetooth Button** to activate pairing mode. The Bluetooth indicator light will typically flash.
- On your audio device (e.g., smartphone, tablet), search for Bluetooth devices and select "JA-02II".
- Once paired, the indicator light will become solid. You can now play audio through the amplifier.
- Adjust the playback volume using the **B.T./AUX VOL** knob on the amplifier and/or your audio device.

7. MAINTENANCE

- Clean the devices with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Store the devices in a dry environment, away from extreme temperatures and direct sunlight.
- For the JA-02 II amplifier, regularly charge the battery to maintain its lifespan, even if not in frequent use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from JF-24.	Incorrect power connection; cables not fully inserted; level knobs set to zero; incorrect mode selected.	Ensure power adapter is connected and functional. Check all audio cables. Adjust A/B Level knobs. Verify the selected looping mode.
No sound from JA-02 II.	Amplifier not powered on; low battery; guitar cable not connected; Volume knob set to zero.	Turn on the amplifier. Charge the battery. Connect guitar cable securely. Increase Volume knob.
Bluetooth not connecting on JA-02 II.	Amplifier not in pairing mode; device too far; incorrect device selected.	Press the Bluetooth button to enter pairing mode. Ensure your audio device is within range. Select "JA-02II" from your device's Bluetooth list.
Distorted sound (unexpected) from JA-02 II.	Overdrive channel selected unintentionally; Gain too high; input signal too strong.	Switch to Clean channel if desired. Reduce Gain knob. Lower the output volume from your guitar or preceding pedal.

9. SPECIFICATIONS

9.1 JOYO JF-24 Line Selector Pedal

- **Model:** JF-24
- **Effect Type:** Line Selector
- **Effect Loops:** 2 (A/B)
- **Looping Modes:** 6
- **Controls:** A Level, B Level, Mode Selection
- **Input/Output:** 1/4-inch Audio Jacks
- **Power Requirement:** 9V DC (center negative)
- **Signal Format:** Analog

9.2 JOYO JA-02 II Mini Guitar Combo Amplifier

- **Model:** JA-02 II
- **Output Wattage:** 5 Watts
- **Channels:** Clean, Overdrive
- **Controls:** Bluetooth, B.T./AUX VOL, Volume, Tone, Clean/Overdrive Switch, Gain
- **Connectivity:** Bluetooth 5.0, 1/4-inch Audio Input
- **Power Source:** Rechargeable Battery (USB charging)
- **Battery Life:** Up to 6 hours (approximate)
- **Dimensions:** Approximately 5.8in (14.7cm) W x 9.8in (9.6cm) H x 3in (7.5cm) D

10. WARRANTY AND SUPPORT

JOYO products are designed for reliability and performance. For warranty information, technical support, or service

inquiries, please refer to the warranty card included with your product or visit the official JOYO website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, you may contact JOYO customer support through their official channels.

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

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question