

BOSS HR-2

BOSS HR-2 Harmonizer Guitar Effects Pedal

User Instruction Manual

1. INTRODUCTION

The BOSS HR-2 Harmonizer is a compact guitar effects pedal designed to add intelligent harmonies to your guitar signal. It can generate one or two additional voices, pitched above or below the original note, based on a selected key and scale. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your HR-2 pedal.

For optimal performance and to ensure safe operation, please read this manual thoroughly before using the pedal.



Figure 1: Front view of the BOSS HR-2 Harmonizer pedal, showing the control knobs and footswitch.

2. SETUP

2.1 Power Supply

The HR-2 can be powered by a 9-volt battery or an optional AC adapter (BOSS PSA series recommended). Ensure the power supply meets the specified voltage and amperage requirements (9 Volts, 150 Milliamps).

2.1.1 Battery Installation

1. Loosen the thumbscrew on the front of the pedal and open the pedal cover.
2. Remove the old battery (if present) and disconnect its snap connector.
3. Connect a new 9-volt battery to the snap connector.
4. Place the battery inside the battery compartment and close the pedal cover, securing it with the thumbscrew.

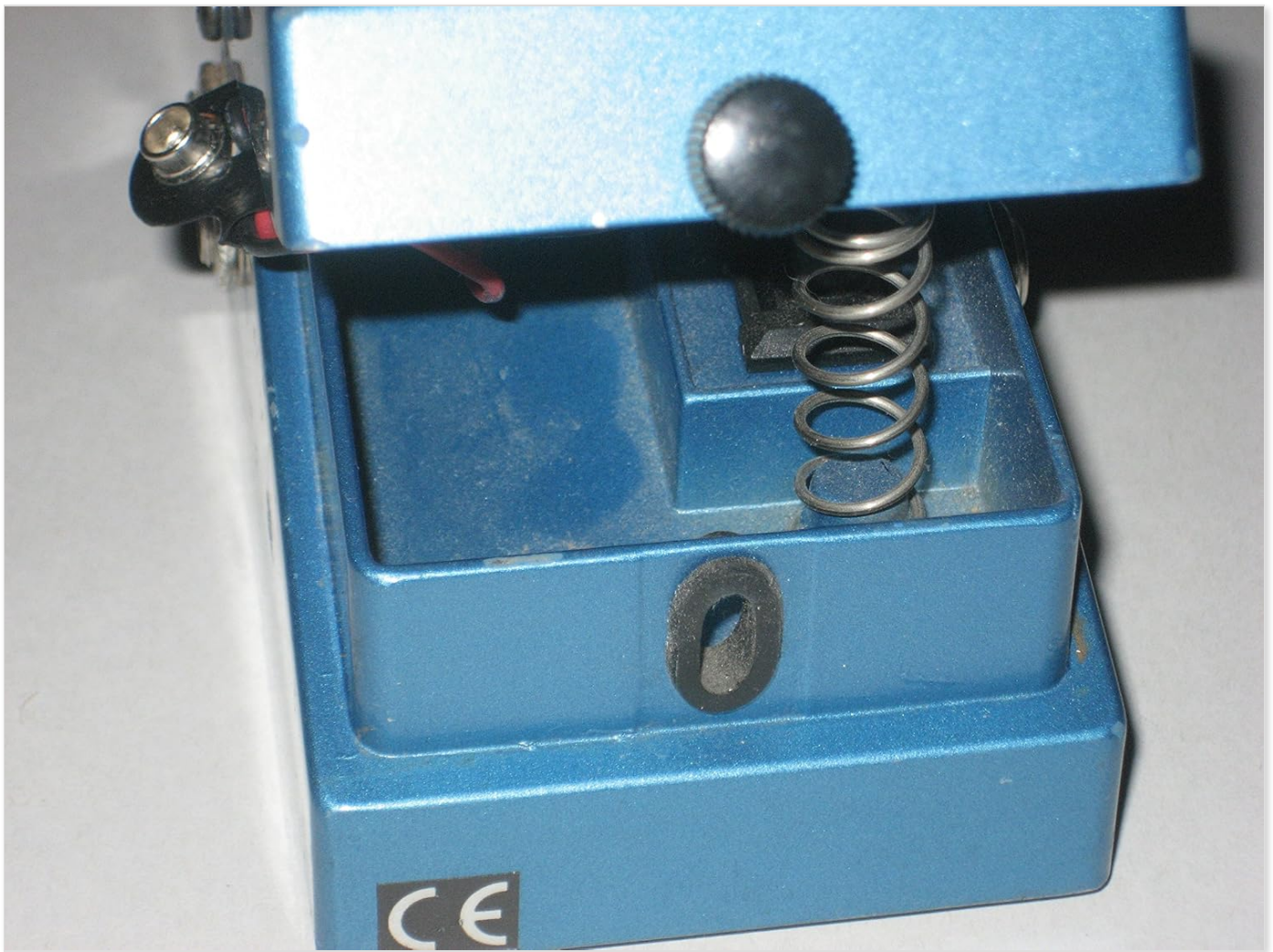


Figure 2: View of the HR-2 pedal with the battery compartment open.



Figure 3: Close-up view of the 9-volt battery connected inside the HR-2 pedal.

2.2 Connecting the Pedal

Connect your guitar to the **INPUT** jack. Connect the **OUTPUT A (MONO)** jack to your amplifier or the next pedal in your signal chain. If using a stereo setup or two harmonized voices, connect **OUTPUT B** as well. The **DETECTOR IN** jack is used for external key detection, typically from a keyboard or another instrument, to ensure accurate harmony generation.



Figure 4: Side view of the HR-2 pedal, highlighting the input, output, and detector jacks.

3. OPERATING THE HR-2 HARMONIZER

The HR-2 features intuitive controls for shaping your harmonized sound. Press the footswitch to toggle the effect on/off. The **CHECK** indicator light will illuminate when the effect is active.

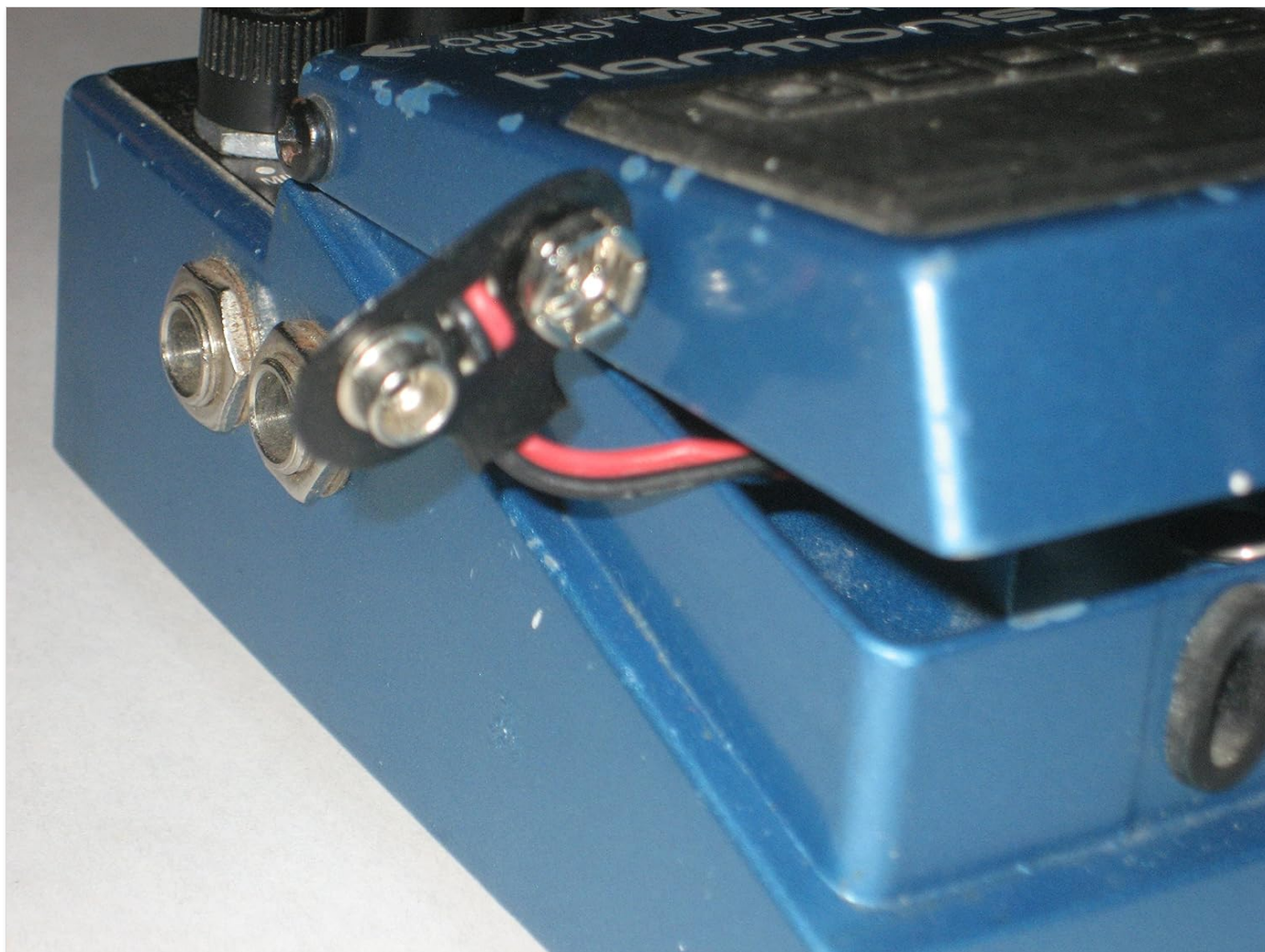


Figure 5: Detailed view of the HR-2's control knobs.

3.1 Control Knobs

- **E.LEVEL (Effect Level):** Adjusts the volume of the harmonized sound relative to the direct (unaffected) sound. Turn clockwise to increase the effect level.
- **VOICE A:** Selects the interval for the first harmonized voice. Options typically include various intervals like +OCT (octave up), -OCT (octave down), +DT (detune up), -DT (detune down), and specific intervals like 3rd, 5th, etc.
- **VOICE B:** Selects the interval for the second harmonized voice. This knob functions similarly to VOICE A, allowing for complex two-voice harmonies.
- **KEY:** Selects the musical key (e.g., C, G, D, A, E, B, F, Bb, Eb, Ab, Db, Gb) and mode (Major/Minor) for the harmony generation. Accurate key selection is crucial for musically correct harmonies.

3.2 Harmony Generation

The HR-2 analyzes the incoming guitar signal and generates harmonies based on the selected KEY and VOICE A/B settings. For best results, ensure your playing is clean and articulate, especially when playing single notes or chords that clearly define the harmony.

- **Single Voice Harmony:** Set VOICE B to its minimum or off position, and use VOICE A to add a single harmonized voice.
- **Two Voice Harmony:** Utilize both VOICE A and VOICE B to create rich, two-part harmonies. Experiment with different interval combinations.
- **Detune Effect:** Some settings on VOICE A or B may offer a detune effect, which creates a subtle chorus-like thickening of the sound without adding a distinct harmony note.

4. MAINTENANCE

4.1 Cleaning

Wipe the pedal with a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents, as these can damage the finish and internal components.

4.2 Battery Care

If the pedal will not be used for an extended period, remove the battery to prevent leakage and potential damage to the unit. Always replace the battery when the **CHECK** indicator dims or fails to light when the effect is engaged.

4.3 Storage

Store the pedal in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. Avoid placing heavy objects on the pedal.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound or weak sound when effect is ON.	- Low battery. - Incorrect cable connections. - E.LEVEL knob set too low.	- Replace battery or use AC adapter. - Check all cables are securely connected to the correct jacks. - Increase E.LEVEL knob setting.
Harmonies sound incorrect or out of key.	- Incorrect KEY setting. - Input signal is unclear or noisy.	- Ensure the KEY knob matches the song's key. - Use a clean guitar signal. Avoid excessive distortion or complex chords that might confuse the harmony detection.
CHECK indicator does not light.	- No power (dead battery or unplugged AC adapter). - Footswitch malfunction.	- Check power supply. Replace battery or ensure AC adapter is connected. - If power is confirmed, contact BOSS service for repair.

6. SPECIFICATIONS

Model: HR-2 Harmonizer

Brand: BOSS

Style: Harmonizer

Color: Black, Light Blue

Voltage: 9 Volts DC

Amperage: 150 Milliamps

Controls: E.LEVEL, VOICE A, VOICE B, KEY knobs; Footswitch

Indicators: CHECK indicator

Connectors: INPUT jack, OUTPUT A (MONO) jack, OUTPUT B jack, DETECTOR IN jack, AC adapter jack

Power Supply: 9V battery (6F22/6LR61) or AC adapter (PSA series, sold separately)

**Specifications are subject to change without notice.*

7. WARRANTY AND SUPPORT

This BOSS product is covered by a manufacturer's warranty. For detailed warranty information, service, or technical support, please refer to the warranty card included with your product or visit the official BOSS website.

Official BOSS Website: www.boss.info

Always ensure you are using genuine BOSS accessories and power supplies to maintain product integrity and warranty validity.

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Product design and specifications are subject to change without notice.

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.

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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