

Boss RE-2

Boss RE-2 Space Echo Delay and Reverb Effects Pedal User Manual

Model: RE-2

1. INTRODUCTION

The Boss RE-2 Space Echo Delay and Reverb Effects Pedal is designed to reproduce the authentic sound and behavior of the legendary Roland RE-201 Space Echo in a compact pedal format. This manual provides essential information for setting up, operating, and maintaining your RE-2 pedal.




Image 1.1: The Boss RE-2 Space Echo pedal, highlighting its authentic sound reproduction and compact design.

2. KEY FEATURES


- Authentic Tape Delay and Spring Reverb Effects
- 11 Sound Combinations via Mode Selector

- Easy-to-Use Controls for intuitive sound shaping
- Stereo Signal Path for expansive soundscapes
- Tap Tempo functionality
- Footswitch/Expression Pedal Input for external control
- Wow & Flutter control to simulate tape wavering




The Authentic Space Echo Experience in a Compact Pedal.

Backed by intensive R&D and our latest innovations, the RE-2 delivers the coveted magic of the RE-201 in a pedalboard-friendly footprint—realized in flawless detail by the company that designed the original.




Authentic Space Echo Sound

Bringing you the sound and behavior of the legendary Roland RE-201 Space Echo in a compact pedal.



11 Sound Combinations

Includes a vintage RE-201 spring reverb with modern stereo operation, plus Wow & Flutter control.




Easy-to-Use Controls

The classic BOSS design provides simple, user-friendly controls, great for any player.

Image 2.1: The Boss RE-2 pedal, emphasizing its advanced features for the next generation of Space Echo effects.

3. CONTROLS AND FUNCTIONS

The RE-2 pedal features intuitive controls to dial in your desired Space Echo sounds. Familiarize yourself with each knob and switch for optimal performance.



A Masterpiece Reborn.

Everything that influences the RE-201's sound has been recreated with all-new algorithms, including the tape path, record/playback mechanism, motor variations, preamp coloration, spring reverb character, and more.

Journey to Deep Space.

The 11 position mode selector lets you dial in different virtual tape heads with or without spring reverb, and you can balance the echo/reverb blend with independent level knobs.




Image 3.1: Detailed diagram of the Boss RE-2 pedal's controls, including ECHO, REVERB, INTENSITY, TONE, REPEAT RATE, WOW & FLUTTER, and MODE.

- **ECHO:** Adjusts the echo volume.
- **REVERB:** Adjusts the volume of the reverb.
- **INTENSITY:** Adjusts the echo volume (amount of feedback).
- **TONE:** Turns the dial to emphasize frequencies.
- **REPEAT RATE:** Adjusts the tape speed.
- **WOW & FLUTTER:** Adjusts the wavering in tape speed.
- **MODE:** The 11-position mode selector combines three different playback heads and reverb types, offering 11 types of echo.
- **PEDAL SWITCH:** Turns effects on/off. Set Tempo: Hold for tap tempo.

4. CONNECTIONS

The RE-2 offers versatile connectivity options for various setups.

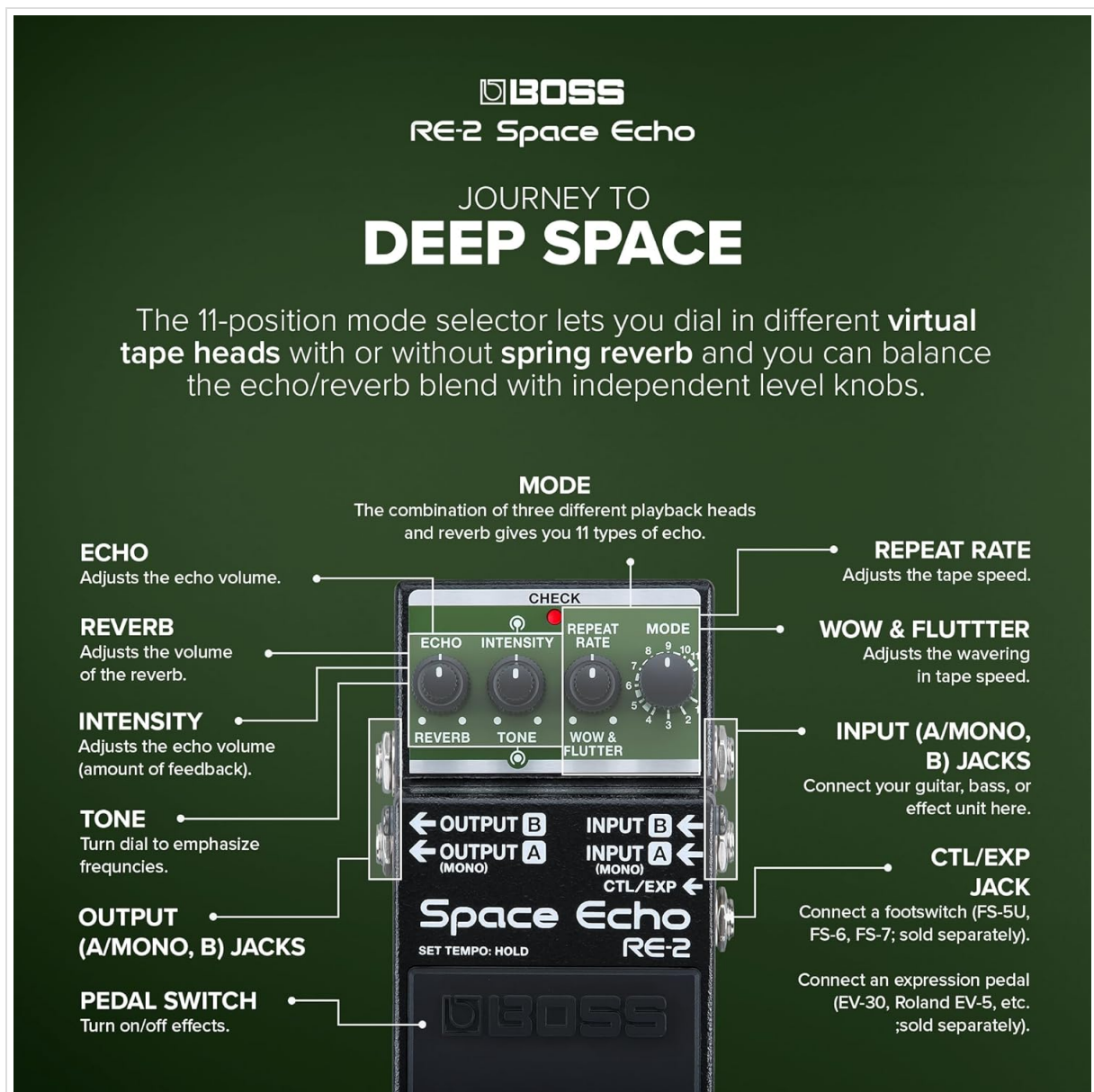


Image 4.1: Rear view of the Boss RE-2 pedal, illustrating the input and output jacks.

- **INPUT (A/MONO, B) JACKS:** Connect your guitar, bass, or other effect units here. Input A supports mono input.

- **OUTPUT (A/MONO, B) JACKS:** Connect to your amplifier or other devices. Output A supports mono output.
- **CTL/EXP JACK:** Connect an optional footswitch (FS-5U, FS-6, FS-7; sold separately) for additional control, or an expression pedal (EV-30, Roland EV-5, etc.; sold separately) for continuous parameter changes.

5. POWER SUPPLY

The RE-2 pedal can be powered by a 9V alkaline battery or an optional AC adapter (PSA series; sold separately).

- **Battery Installation:** To install the battery, loosen the thumbscrew on the pedal's front, open the pedal, and connect the 9V battery to the snap connector. Ensure correct polarity.
- **AC Adapter:** For extended use, it is recommended to use a Boss PSA series AC adapter. Connect the adapter to the DC IN jack.

6. BASIC OPERATION

Follow these steps for basic setup and operation:

1. Connect your instrument to the INPUT A jack.
2. Connect the OUTPUT A jack to your amplifier.
3. Ensure your amplifier's volume is set to a low level before turning on the pedal.
4. Press the PEDAL SWITCH to turn the effect ON/OFF. The CHECK indicator will light up when the effect is on.
5. Adjust the ECHO, REVERB, INTENSITY, TONE, REPEAT RATE, and WOW & FLUTTER knobs to achieve your desired sound.
6. Use the MODE selector to choose different echo types.

7. ADVANCED OPERATION AND MODES

The RE-2 offers advanced features for deeper sound exploration.

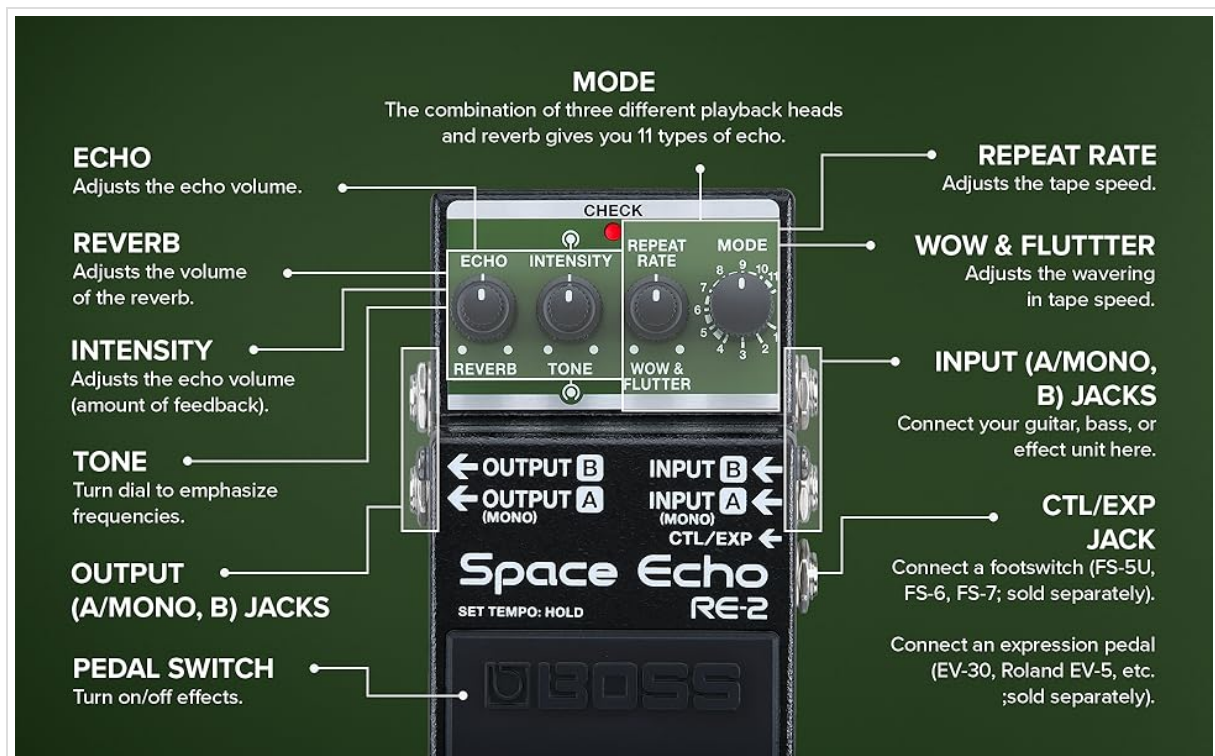


Image 7.1: The Boss RE-2 pedal in a performance setup, demonstrating its integration for modern players.

- **Tap Tempo:** Hold down the PEDAL SWITCH for two seconds to activate Tap Tempo. Tap the switch multiple times to set the delay time.
- **Tape Simulations:** The RE-2 accurately simulates both 'New' and 'Aged' tape characteristics, offering variations in sound degradation and flutter.
- **Multi-Head Modes:** Explore the 11 different modes, which emulate various combinations of the original Space Echo's playback heads.
- **Preamp Tone Options:** The RE-2 includes preamp tone options, adding to the authentic Space Echo experience.

8. TROUBLESHOOTING

If you encounter any issues with your RE-2 pedal, refer to the following common problems and solutions:

- **No Sound:** Check all cable connections, ensure the power supply is correctly connected, and verify that your instrument and amplifier are working correctly.
- **Weak or Distorted Sound:** Adjust the E.LEVEL, TONE, and other effect knobs. Ensure your instrument's output level is appropriate for the pedal's input.
- **Effect Not Engaging:** Check the battery level or AC adapter connection. Ensure the PEDAL SWITCH is functioning correctly.
- **Unwanted Noise:** Ensure all cables are properly shielded and away from power sources. Try using a different power outlet or AC adapter.

If the problem persists, please contact Boss customer support.

9. SPECIFICATIONS

- **Model:** RE-2
- **Nominal Input Level:** -20 dBu
- **Input Impedance:** 1 M ohm

- **Nominal Output Level:** -20 dBu
- **Output Impedance:** 1 k ohm
- **Recommended Load Impedance:** 10 k ohms or greater
- **Controls:** PEDAL SWITCH, E.LEVEL knob, TONE knob, REPEAT RATE knob, INTENSITY knob, MODE selector, WOW & FLUTTER knob.
- **Indicators:** CHECK indicator (serves as battery check indicator)
- **Connectors:** INPUT A (MONO) jack, INPUT B jack, OUTPUT A (MONO) jack, OUTPUT B jack, CTL/EXP jack, DC IN jack
- **Power Supply:** Alkaline battery (9V, 6LR61) or AC adapter (PSA series, sold separately)
- **Current Draw:** 75 mA
- **Expected Battery Life (Alkaline):** Approximately 3.5 hours (varies depending on actual use conditions)
- **Dimensions (W x D x H):** 73 mm x 129 mm x 59 mm (2-7/8 x 5-1/8 x 2-3/8 inches)
- **Weight (including battery):** 450 g (1 lb)

10. WHAT'S IN THE BOX

Your Boss RE-2 Space Echo Delay and Reverb Effects Pedal package includes the following items:

- Boss RE-2 Space Echo Delay and Reverb Effects Pedal
- Alkaline Battery (9V)
- Owner's Manual (this document)



Space Echo
RE-2

WHAT'S IN THE BOX

- RE-2
- 9v Battery



Image 10.1: The Boss RE-2 pedal with its dimensions and a list of included items.

11. SAFETY INFORMATION

To ensure safe operation and prevent damage to the unit, always observe the following precautions:

- Do not attempt to repair the unit yourself. Refer all servicing to qualified service personnel.
- Do not use or store the unit in places subject to extreme temperatures, humidity, or direct sunlight.
- Avoid strong impacts or dropping the unit.
- Use only the specified AC adapter (Boss PSA series).
- Keep the unit out of reach of small children.

12. WARRANTY AND SUPPORT

This Boss product is covered by a limited warranty. Please refer to the warranty card included in the package for detailed terms and conditions. For technical support, service, or inquiries, please visit the official Boss website or contact your local authorized Boss dealer.

13. RELATED VIDEOS

BOSS Space Echo RE-2

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Video 13.1: An official product video showcasing the features and sound of the BOSS Space Echo RE-2 pedal.

NUX NDD-7 TAPE ECHO Delay Effects Pedal

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Video 13.2: A demonstration of the NUX NDD-7 TAPE ECHO Delay Effects Pedal, offering insights into similar tape echo functionalities.

BOSS DD-200 Product Video

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Video 13.3: An official product video for the BOSS DD-200, a related delay pedal from the same manufacturer.