



Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (supplied on a separate sheet). After reading, keep the document(s) where it will be available for immediate reference.

Main Features

The AD-2 is a preamp designed specifically for acoustic-electric guitars.

It is equipped with an ACOUSTIC RESONANCE knob that adds the natural resonance of an acoustic guitar that's often lost by the pickup of an acoustic-electric guitar, an AMBIENCE knob that adds rich reverberation, and a NOTCH knob that suppresses acoustic feedback.

The AD-2 provides a LINE OUT jack (1/4-inch TRS phone type) that can output with optimal audio quality to a mixer or recorder. This can also be used as a balanced-output direct box.

Panel Descriptions


DC IN jack
Accepts connection of an AC Adaptor (PSA series; optional). By using an AC Adaptor, you can play without being concerned about how much battery power you have left.

- * Use only the specified AC adaptor (PSA series; sold separately), and connect it to an AC outlet of the correct voltage. Do not use any other AC adaptor, since this may cause malfunction.
- * If the AC adaptor is connected while a battery is installed, the power supply is drawn from the AC adaptor.
- * We recommend that you keep batteries installed in the unit even though you'll be powering it with the AC adaptor. That way, you'll be able to continue a performance even if the cord of the AC adaptor gets accidentally disconnected from the unit.

CHECK indicator
This indicator shows whether the effect is on or off, and also doubles as the battery check indicator. The indicator lights when the effect is on. This blinks when the output is muted.

- * If you're powering the unit with a battery and the CHECK indicator goes dim— or doesn't light at all—when you try to turn the effect on, the battery is near depletion and should be replaced. For instructions on changing the battery, refer to "Changing the Battery."
- * The CHECK indicator shows whether the effect is being applied or not. It does not indicate whether the power to the device is on or not.

AC Adaptor
(PSA series: optional)




ACOUSTIC RESONANCE knob
Adjusts the amount of resonance, adding the natural resonance that is characteristic of an acoustic guitar.

AMBIENCE knob
Adjusts the depth of reverberation (ambience).


NOTCH knob
Suppresses acoustic feedback by cutting a specific frequency region. Normally you should leave this in the "OFF" position. If acoustic feedback occurs, turn the knob to find the frequency at which feedback is reduced.

OUTPUT jack
Connect this output jack to an amp that's designed for acoustic-electric guitars.



Acoustic-electric guitar amplifier

INPUT jack
This jack accepts signals coming from an acoustic-electric guitar.




Acoustic-electric guitar

- * The INPUT jack doubles as the power switch. Power to the unit is turned on when you plug into the INPUT jack; the power is turned off when the cable is unplugged. To prevent unnecessary battery consumption, be sure to disconnect the plug from the INPUT jack when not using the effects unit.

LINE OUT jack
This is a balanced (TRS) type output jack. Connect it to your mixer or recorder.

- * This cannot be used as a headphone jack.
- * Pin assignment of the LINE OUT jack



Mixer
Recorder

Thumbscrew
When this screw is loosened, the pedal will open, allowing you to change the battery.

- * For instructions on changing the battery, refer to "Changing the Battery."

Pedal switch
This switch turns the effect on/off.

If you hold down the pedal switch for two seconds or longer, the CHECK indicator blinks and the output sound is muted. Press once again to cancel muting. This is convenient when tuning your instrument.

Outputting the reverberation (ambience) only to the OUTPUT jack

If you want to process the reverberation on your mixer, you can output the reverberant sound only from the OUTPUT jack; the reverberant sound is not output from the LINE OUT jack.

1. While holding down the pedal, turn on the power and continue holding down the pedal.

The CHECK indicator is lit.

2. Turn the AMBIENCE knob to specify the setting.

The reverberant sound is output only from the OUTPUT jack (the check indicator blinks)



The reverberant sound is output from both the OUTPUT jack and the LINE OUT jack (the check indicator blinks rapidly)

3. Release the pedal to complete the setting.

Precautions When Connecting

* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

* Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

When powering up: Turn on the power to your amp last.
When powering down: Turn off the power to your amp first.

* Immediately after the unit is powered-on, the effect is on.

Use of Battery

* A battery was installed in the unit before it left the factory. The life of this battery may be limited, however, since its primary purpose was to enable testing.

* If you handle batteries improperly, you risk explosion and fluid leakage. Make sure that you carefully observe all of the items related to batteries that are listed in "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (supplied on a separate sheet).

* When operating on battery power only, the unit's indicator will become dim when battery power gets too low. Replace the battery as soon as possible.

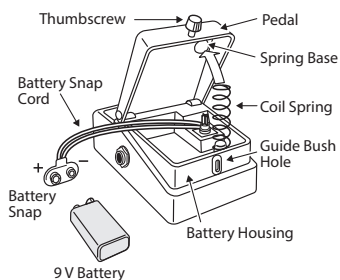
* Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.

* If operating this unit on batteries, please use alkaline batteries.

Changing the Battery

1. Hold down the pedal and loosen the thumbscrew, then open the pedal upward.

* The pedal can be opened without detaching the thumbscrew completely.



2. Remove the old battery from the battery housing, and remove the snap cord connected to it.

3. Connect the snap cord to the new battery, and place the battery inside the battery housing.

* Be sure to carefully observe the battery's polarity (+ versus -).

4. Slip the coil spring onto the spring base on the back of the pedal, and then close the pedal.

* Carefully avoid getting the snap cord caught in the pedal, coil spring, and battery housing.

5. Finally, insert the thumbscrew into the guide bush hole and fasten it securely.

Specifications

BOSS AD-2: Acoustic Preamp

Nominal Input Level	-20 dBu
Input Impedance	10 MΩ
Nominal Output Level	-20 dBu
Output Impedance	OUTPUT: 1 kΩ LINE OUT: 600 Ω
Recommended Load Impedance	OUTPUT: 10 kΩ or greater LINE OUT: 600 Ω or greater
Power Supply	DC 9 V: Alkaline battery (9 V, 6LR61)/ Carbon-zinc battery (9 V, 6F22), AC Adaptor (sold separately)
Current Draw	55 mA * Expected battery life under continuous use: Alkaline: Approx. 6 hours These figures will vary depending on the actual conditions of use.
Dimensions	73 (W) x 129 (D) x 59 (H) mm 2-7/8 (W) x 5-1/8 (D) x 2-3/8 (H) inches
Weight	450 g/1 lb (including battery)
Accessories	Owner's Manual, Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information"), Alkaline battery (9 V, 6LR61)
Option (sold separately)	AC adaptor (PSA series)

* 0 dBu = 0.775 Vrms

* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.