



Before using this unit, carefully read "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (supplied on a separate sheet).

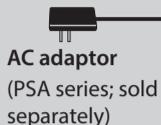
After reading, keep the document(s) where it will be available for immediate reference.

Panel Descriptions

DC IN jack

In addition to 9-volt battery operation, this unit can also operate on an AC adaptor (BOSS PSA series; sold separately).

- * Use only the specified AC adaptor (PSA series; sold separately), and connect it to an AC outlet of the correct voltage.
- * If the AC adaptor is connected while a battery is installed, the power supply is drawn from the AC adaptor.



+1OCT LEVEL knob

This knob adjusts the volume of the sound that is one octave above the direct sound.

DIRECT LEVEL knob

This knob adjusts the volume of the direct sound.

VINTAGE/POLY switch

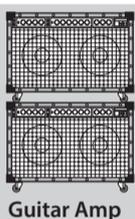
This switch selects the character of the sound.

VINTAGE <input type="radio"/> POLY <input type="radio"/>	Vintage sound that simulates the OC-2.
VINTAGE	Play (input) single notes.
VINTAGE <input type="radio"/> POLY <input type="radio"/>	Polyphonic mode that supports chordal input.
POLY	

OUTPUT jack, DIRECT OUT jack

Use this jack to connect to the input of your guitar amplifier or the input of additional effect unit.

- * Output may vary according to the connections.



Connection method	Sound that is output
Connect only to the OUTPUT jack	The direct sound and octave sound are mixed and output.
Connect to the OUTPUT jack and the DIRECT OUT jack	The octave sound is output from the OUTPUT jack, and the direct sound is output from the DIRECT OUT jack. When the effect is off, the sound is output only from the DIRECT OUT jack.

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."

CHECK indicator

The indicator lights when an effect is ON.

- * The brightness of the CHECK indicator (LED) will dim as the battery lowers. Replace the battery when the LED is dim or does not light. For instructions, refer to "Changing the Battery."
- * The CHECK indicator shows whether the effect is on or off.

-1OCT LEVEL knob

This knob adjusts the volume of the sound that is one octave below the direct sound.

GUITAR/BASS switch

This switch selects settings that are suitable for a guitar or a bass.



-2OCT/RANGE knob

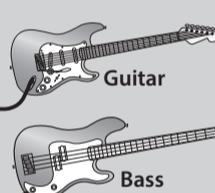
The operation depends on the setting of the VINTAGE/POLY switch.

Switch	Explanation
VINTAGE	Operates as the -2OCT LEVEL knob. This knob adjusts the volume of the sound that is two octaves below the direct sound.
POLY	Operates as the RANGE knob. Adjusts the bandwidth of the -1OCT effect. As you turn this knob toward the right, the effect applies to a wider range of frequencies from low to high. As you turn this knob toward the left, the effect is limited to the low-frequency range. If this knob is turned all the way to the left, the effect applies only to the lowest note of the chord.

Pedal switch
This switch turns the effects ON/OFF.

INPUT jack

This jack accepts input signals coming from a guitar (or bass).



- * The INPUT jack also serves as the power switch. Power is turned on whenever a plug is inserted into the INPUT jack, and is turned off when the plug is disconnected. When not using the unit, you should disconnect any cord connected to the INPUT jack.
- * If you're using this unit together with other effect units, connect this unit first in the chain (directly after the guitar). If guitar sound processed by an effect is input to this unit, it might not work correctly.

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 everything is properly connected, be sure to follow the procedure below to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.

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

- 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.

Use of Battery

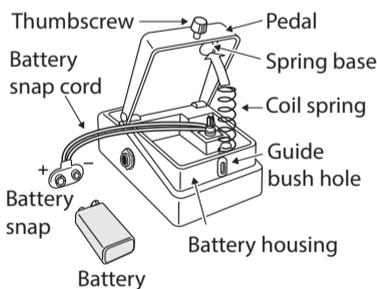
- If operating this unit on battery, please use alkaline battery.
- The life of the included battery may be limited as its primary purpose was for testing during assembly.
- When operating on battery power only, the unit's indicator will become dim when battery power gets too low. Replace the battery as soon as possible.
- 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).

Additional Precautions

- When disposing of the packing carton or cushioning material in which this unit was packed, you must observe the waste disposal regulations that apply to your locality.
- Do not use connection cables that contain a built-in resistor.

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 battery snap 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, hold down the pedal while tightening the thumbscrew into the guide bush hole.

Main Specifications

Nominal Input Level	-20 dBu
Input Impedance	1 MΩ
Nominal Output Level	-20 dBu
Output Impedance	1 kΩ
Recommended Load Impedance	10 kΩ or greater
Power Supply	Alkaline battery (9 V, 6LR61 or 6LF22) AC adaptor (PSA series; sold separately)
Current Draw	55 mA * Expected battery life under continuous use: Alkaline battery: Approx. 7 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 (including battery)	440 g 1 lb
Accessories	Owner's Manual, Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information"), Alkaline battery (9 V, 6LR61 or 6LF22)
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.
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