

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 BOSS CH-1, featuring stereo output system, creates spacious chorus effect.
- Provided with four controls, Effect Level, Equalizer, Rate and Depth, the CH-1 allows wide variety of chorus sounds.

Panel Descriptions

DC IN jack

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

- * 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.
- * Use only the specified AC adaptor (PSA-series).
- * If the AC adaptor is connected while power is on, the power supply is drawn from the AC adaptor.



E.LEVEL knob

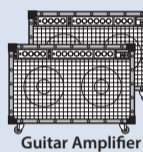
This sets the mixing level of the effect sound (whose pitch is changing) to the normal sound. Clockwise rotation increases the volume of the effect sound, while counterclockwise rotation decreases it.

EQ knob

This controls the tone of the effect sound. Clockwise rotation boosts higher frequencies and counterclockwise rotation cuts them.

OUTPUT A/B jacks

Connect an amplifier to these jacks. For monaural output, use only Output A.



Pedal Switch

This switch turns the effects ON/OFF.

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

This indicator shows whether an effect is ON/OFF, and doubles as the Battery Check indicator. The indicator lights when an effect is ON.

- * If this indicator goes dim or no longer lights while an effect is ON, the battery is near exhaustion and should be replaced immediately.

RATE knob

This sets the rate of the chorus effect. Clockwise rotation quickens the rate and counterclockwise rotation slows down.

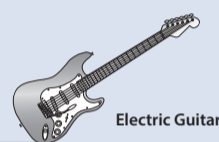
DEPTH knob

This sets the depth of the chorus effect. Clockwise rotation deepens the effect and counterclockwise rotation creates the opposite effect.

INPUT jack

This jack accepts input signals (coming from a guitar, some other musical instrument, or another effects unit).

- * The INPUT jack doubles as 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. When not using the effects unit, be sure to disconnect the plug from the INPUT jack.



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 guitar amp last.

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

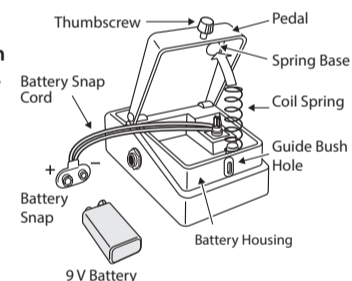
- Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.

Use of Battery

- 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.
- Batteries should always be installed or replaced before connecting any other devices. This way, you can prevent malfunction and damage.

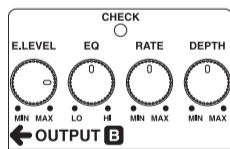
Changing the Battery

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.

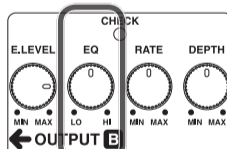


Operating the Unit

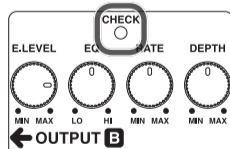
1. Make all the necessary connections, then set the control knobs on the panel as shown to the right.



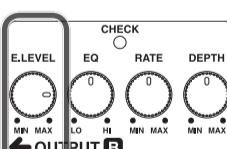
5. Adjust the tone of the effect sound with the EQ knob.



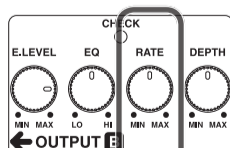
2. Make the CHECK indicator light up (if it is not lit, press the pedal switch).



6. Set the volume of the effect sound with E.LEVEL knob.



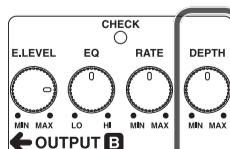
3. Set the desired rate with the RATE knob.



- For monaural output, use only OUTPUT A. OUTPUT A sends the mixture of the effect and normal sounds.
- When using the CH-1 in stereo output:

OUTPUT A: Only effect sound (whose pitch is changing) is output.
OUTPUT B: Only normal sound is output.

4. Set the desired depth with the DEPTH knob.



The CH-1 adopts the space compounding stereo system, therefore, the effect will vary depending on the distance between two speakers (L/R). Try playing the instrument to check how it actually sounds like. If you lower the equalizer or effect level, the pan will be moved to OUTPUT B.

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 (9V, 6LR61) AC adaptor (PSA series; 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	420 g / 15 oz (including battery)
Accessories	Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information") Alkaline battery (9V, 6LR61)
Options	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.