

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 CE-5 features two band filters that allow individual control of the bass and treble frequencies.
- By using two band filters, you can create various chorus effects, such as a chorus with a narrow frequency band, or a sharp chorus stretched to the upper frequency range.
- By cutting the lower frequency range using the Low Filter Control Knob, you can obtain a natural chorus effect with minimal sound interference between the direct signals and the processed signals.
- Two channel output jacks serve for creating deep chorus effects with the dimensional space chorus system.

## 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

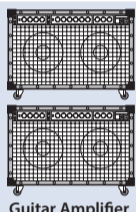
This knob adjusts the level of the effect sounds. Clockwise rotation increases the level of the effect sound and counterclockwise rotation decreases it.

### RATE knob

This knob adjusts the speed of the chorus effect. Clockwise rotation increases the rate and counterclockwise rotation decreases it.

### OUTPUT A/B jacks

Connect an amplifier or other effect units to these jacks. For monaural output, use Output Jack 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.

### DEPTH knob

This knob controls the depth of chorus effect. Clockwise rotation deepens the effect while counterclockwise rotation creates the shallower effect.

### HIGH FILTER knob

This knob controls the treble frequencies of the chorus sound. Rotating this knob clockwise widens the output band while rotating it counterclockwise narrows it.

### LOW FILTER knob

This knob controls the bass frequencies of the chorus sound. Rotating this knob clockwise widens the output while rotating it counterclockwise narrows it.

### 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.

## Notes Concerning Use of the CE-5

- For monaural output, use only OUTPUT A. OUTPUT A sends the mixture of the effect and normal sounds.

- When using the CE-5 in stereo output:

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

OUTPUT B: Only normal sound is output.

The CE-5 adopts the "dimensional space chorus system" for stereo output. That is, the depth of the effect varies depending on the distance between speakers. Note that lowering a filter control knob or effect level too much will shift the sound image to the Output B position, and therefore diminish the effect. Experiment with different settings as you play the instrument.

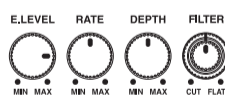
## Use of Battery

- 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.

## Operating the Unit

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

- \* Before connecting or disconnecting any instrument, make sure that the volume of the amplifier is turned down.



2. Press the Pedal Switch to turn the effect on (Make sure the CHECK Indicator lights up).



3. Adjust the rate of the effect using the RATE knob.



4. Adjusts the depth of the chorus effect using the DEPTH knob.



5. Using the HIGH FILTER knob and the LOW FILTER knob, adjust the tone of the effect sound.

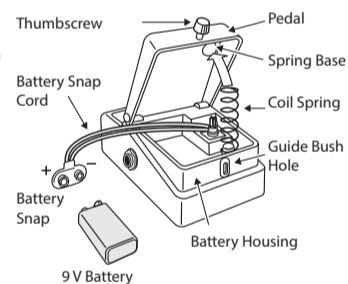


6. Adjust the volume of the processed sound using the E.LEVEL knob.



## 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.



## 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) AC adaptor (PSA series; sold separately)
Current Draw	55 mA * Expected battery life under continuous use: Alkaline: Approx. 6.5 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	425 g / 15 oz (including battery)
Accessories	Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information") Alkaline battery (9 V, 6LR61)
Options (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.