

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 CEB-3 is a chorus unit that is specifically designed for electric bass guitar.
- The CEB-3 allows you to select the frequency band to which the chorus effect will apply. That is, you can have the effect applied to the overall sound, or only a specific frequency range if you wish.
- Using the two channel outputs, deeper chorus effects can be created with the "Space synthesis 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 sound (in relation to the input signal). Rotating the knob clockwise increases the level of the effect sound.

LOW FILTER knob

This knob controls the lower frequencies of the effect sound. As you rotate the knob clockwise, the chorus effect will be applied to a wider range of lower frequencies. Conversely, rotating the knob counterclockwise will cut lower frequencies, causing only the upper frequencies to take on the chorus effect.

OUTPUT A (MONO)/OUTPUT B jacks

The output jacks are used to connect the unit to amplifiers or other devices.

- * For mono output, use OUTPUT A jack. Both the dry and processed signals are output.
- * For stereo use:
OUTPUT A :
Only the processed signal (pitch modulated sound) is output. The dry (unprocessed) signal is not output.
OUTPUT B :
Only the dry signal is output.
The CEB-3 adopts the "Space synthesis 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 setting as you play the instrument.

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 (Modulation rate) knob

This knob adjusts the speed of the chorus effect. Rotating the knob clockwise increases the speed.

DEPTH (Modulation depth) knob

This knob adjusts the depth of the chorus effect. Rotating the knob clockwise deepens the effect.

INPUT jack

This jack accepts input signals (coming from a bass guitar, some other musical instrument, or another effect 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.

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."

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 bass amp last.
When powering down: Turn off the power to your bass 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.

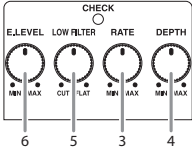
Use of Battery

- A battery is supplied with the unit. 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.

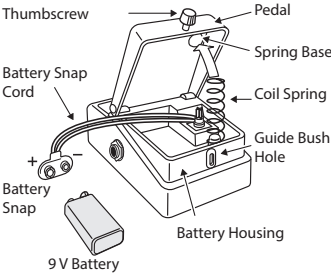
Main Specifications

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: 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 (9 V, 6LR61)
Options (sold separately)	AC adaptor (PSA-series)

Operating the Unit

1. When you have made the necessary connections, set the knobs as shown in the illustration.
2. Depress the pedal switch to turn the effect on. (Make sure that the CHECK Indicator lights.)
3. Adjust the speed of the chorus effect using the RATE knob.
4. Adjust the depth of the chorus effect using the DEPTH knob.
5. Using the LOW FILTER knob, adjust the frequency band to which the chorus effect should be applied.
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.

- * 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.