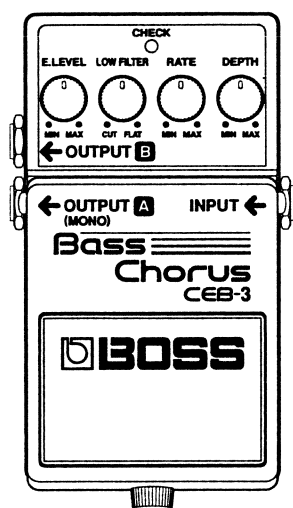


CEB-3 Bass Chorus

Owner's Manual



For the U.K.

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL

BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

For Germany

Bescheinigung des Herstellers/Importeurs

Hiermit wird bescheinigt, daß der/die/das

Roland Bass Chorus CEB-3

.....
(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der BMPT-AmtsblVfg 243/1991 funk-entstört ist. Der vorschriftsmäßige Betrieb mancher Geräte (z. B. Meßsender) kann allerdings gewissen Einschränkungen unterliegen. Beachten Sie deshalb die Hinweise in der Bedienungsanleitung.

Dem Zentralamt für Zulassungen im Fernmeldewesen wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf die Einhaltung der Bestimmungen eingeräumt.

Roland Corporation

4-16 Dojimahama 1-Chome Kita-ku Osaka 530 Japan

.....
(Name und Anschrift des Herstellers/Importeurs)

Thank you, and congratulations on your choice of BOSS CEB-3 Bass Chorus.
To ensure proper operation, and years of trouble-free service, please take the time to read through this Owner's Manual before starting out.

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.

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IMPORTANT NOTES

When using an AC adaptor, use only the specified device (PSA Series). Use of any other AC adaptor could result in damage, malfunction or electric shock.

POWER SUPPLY

The power requirement for this unit is indicated on its nameplate (rear panel). Ensure that the voltage in your installation meets this requirement.

If the unit is to remain unused for an extended period of time, unplug the power cord.

PLACEMENT

Do not subject the unit to temperature extremes (eg., direct sunlight in an enclosed vehicle). Avoid using or storing the unit in dusty or humid areas, or areas that are subject to high levels of vibration.

ADDITIONAL PRECAUTIONS

Protect the unit from strong impact.

Should a malfunction occur, or if you suspect there is a problem, discontinue use immediately. Contact qualified service personnel as soon as possible.

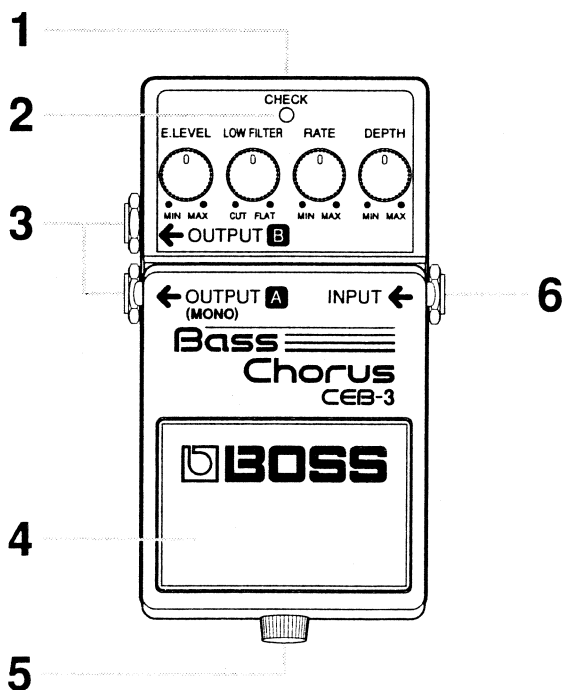
To avoid the risk of electric shock, do not open the unit.

CHANGING BATTERY

Remove the battery whenever the unit is to remain unused for an extended period of time.

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PANEL DESCRIPTIONS



1. AC Adaptor Jack

Accepts connection of an AC Adaptor (optionally available BOSS PSA-Series). By using an AC Adaptor, you can play without being concerned about how much battery power you have left.

** You may find that it is a good idea to keep a battery installed in the unit even while using an adaptor. That way your playing won't be disrupted even if the adaptor is accidentally disconnected.*

** If you are going to use an AC adaptor, be sure to use the specified unit (BOSS PSA-Series). Use of any other adaptor may result in damage, malfunction or electric shock. Also, if you are not going to be using it for an extended period of time, disconnect the AC adaptor from the AC outlet.*

2. CHECK Indicator

This indicator shows whether an effect is ON/OFF, and also 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.

3. OUTPUT Jack A(MONO)/B

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

*** For monaural output, use Output jack A. Both the dry and processed signals are output.**

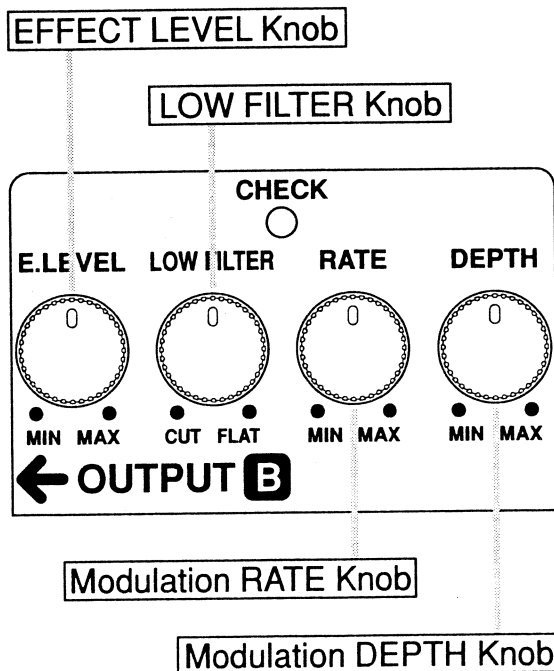
*** For stereo use:**

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

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therefore diminish the effect. Experiment with different as you play the instrument.

4. Pedal Switch

This switch turns the effects ON/OFF.

5. Thumbscrew

This thumbscrew is loosened to open the pedal, allowing battery replacement. For instructions on how to replace the battery, please refer to "CHANGING THE BATTERY".

6. INPUT Jack

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

*** 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.**

EFFECT 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.

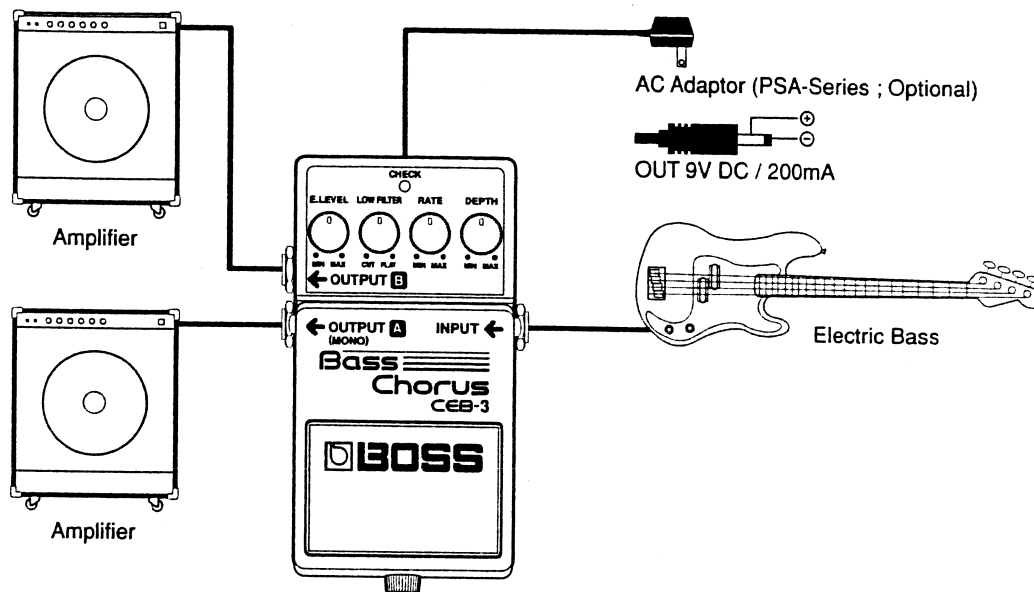
Moduration RATE Knob

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

Modulation DEPTH Knob

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

MAKING THE CONNECTIONS



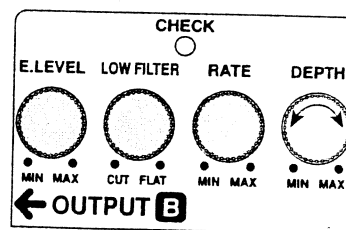
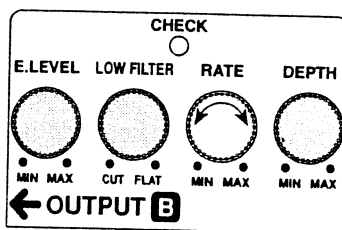
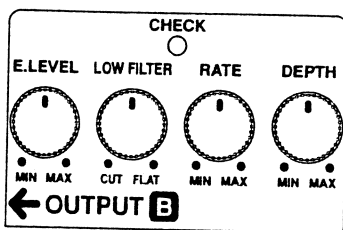
** Inserting a plug into the Input Jack will automatically switch the unit on.*

** Before connecting or disconnecting any patch cords, be sure all the volume controls in your system are set to minimum. This will help prevent any damage to system components.*

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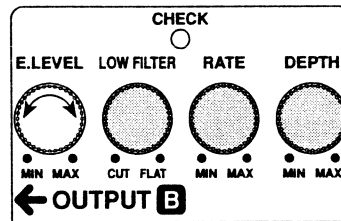
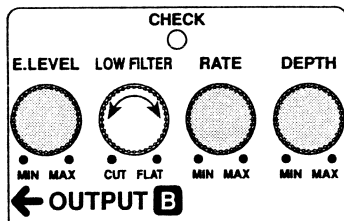
OPERATING THE UNIT

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 Modulation RATE Knob.
4. Adjust the depth of the chorus effect using the Modulation 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 Effect LEVEL Knob.

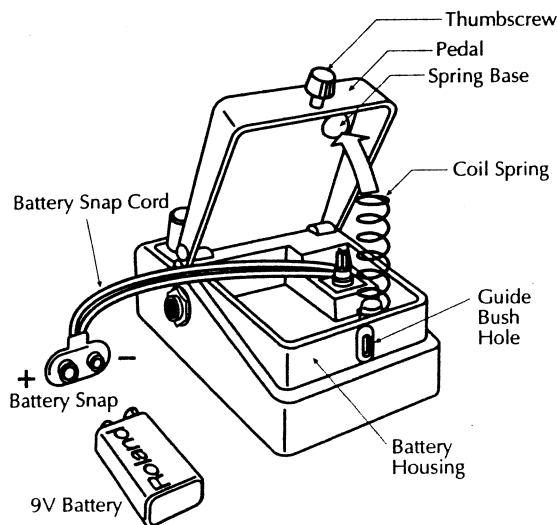


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CHANGING THE BATTERY

When the indicator goes dim or no longer lights while an effect is on, it means that the battery is nearly dead and must be replaced.

Replace the battery following the steps below.



1. Loosen the thumbscrew at the front of the pedal, then lift the pedal upwards to open the unit.

*** The thumbscrew can be left in the pedal while changing the battery.**

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, then close the pedal.

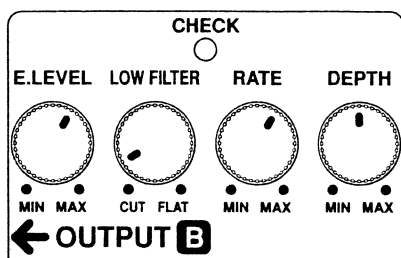
*** Carefully avoid getting the snap cord caught in the coil spring.**

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

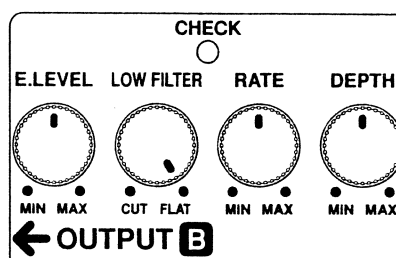
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SAMPLE SETTING

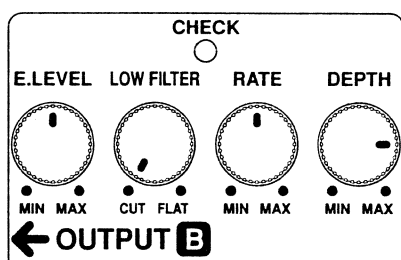
Clear Chorus



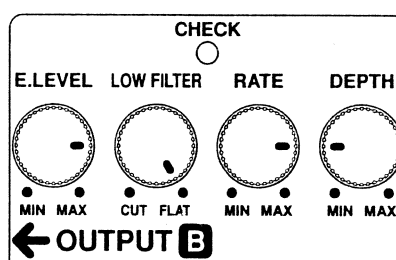
Modern Chorus



Slapping Play



Vibrato



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SPECIFICATIONS

CEB-3 : Bass Chorus

Nominal Input Level-20 dBm
 Input Impedance 1 M Ω
 Nominal Output Level-20 dBm
 Output Impedance 1 k Ω
 Recommended Load Impedance ... 10 k Ω or greater
 Residual Noise Level-86 dBm (IHF-A, Typ.)

Controls Pedal Switch, Effect LEVEL Knob, LOW FILTER Knob,
 Modulation RATE Knob, Modulation DEPTH Knob
 Indicator CHECK Indicator (serves also as battery check indicator)
 Connectors INPUT Jack, OUTPUT Jack A(MONO)/B,
 AC Adaptor Jack (9 V DC)
 Power Supply 9 V DC : Dry Battery 9 V type (6F22/9 V), AC Adaptor
 Current Draw 18 mA (9 V DC)

** Expected battery life under continuous use :*

Carbon : 12 hours

These figures will vary depending on the actual conditions of use.

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Dimensions 70 (W) x 125 (D) x 55 (H) mm
 2-3/4 (W) x 4-15/16 (D) x 2-3/16 (H) inches
Weight 450 g / 1 lb (including battery)
Accessories Owner's Manual, Dry Battery 9 V type (6F22/9 V)
Options AC Adaptor PSA-Series

* 0 dBm = 0.775 V rms

* *In the interest of product development, the specifications and/or appearance of this unit are subject to change without prior notice.*

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For the USA

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
 This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

CLASS B

NOTICE

This digital apparatus does not exceed the Class B limits for radio noise emissions set out in the Radio Interference Regulations of the Canadian Department of Communications.

CLASSE B

AVIS

Cet appareil numérique ne dépasse pas les limites de la classe B au niveau des émissions de bruits radioélectriques fixés dans le Règlement des signaux parasites par le ministère canadien des Communications.



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 Roland®

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 **BOSS**