

Owner's Manual



Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (supplied on a separate sheet). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, this manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

Main Features

This is a vocoder for guitar or bass that provides unique and high-impact vocoder sound just as if you were playing a keyboard instrument.

TALK BOX mode lets you use your yoice to create a variety of performance expressions without having to keep a hose gripped in your mouth; simply connect a mic and your guitar or bass You can also use CHOIR mode to add spaciousness and depth to your playing without connecting a mic.

Panel Descriptions

DC IN jack

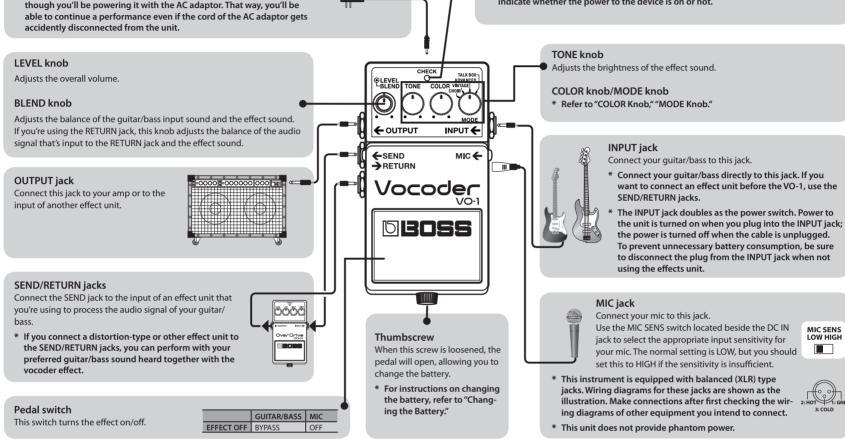
Accepts connection of an AC Adaptor (PSA series; optional). By using an AC Adaptor, you can play without being concerned about how much battery power you have left.

- * Use only the specified AC adaptor (PSA series; optional), and connect it to an AC outlet of the correct voltage. Do not use any other AC adaptor, since this may cause malfunction.
- * If the AC adaptor is connected while a battery is installed, the power AC Adaptor supply is drawn from the AC adaptor. (PSA series: optional)
- 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

CHECK indicator

This indicator shows whether the effect is on or off, and also doubles as the battery check indicator. The indicator lights when the effect is on

- If you're powering the unit with a battery and the CHECK indicator goes dim— or doesn't light at all—when you try to turn the effect on, the battery is near depletion and should be replaced. For instructions on changing the battery, refer to "Changing the Battery."
- * The CHECK indicator shows whether the effect is being applied or not. It does not indicate whether the power to the device is on or not.



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.

* Immediately after the unit is powered-on, the effect is on.

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.
- * If operating this unit on battery, please use alkaline battery.

MODE Knob

Switches the vocoder mode.		
MODE	Explanation	
VINTAGE	Produces a unique vocoder effect as if you were playing a keyboard instrument.	
ADVANCED	Produces a new vocoder effect with greater clarity than VINTAGE.	
TALK BOX	Produces a talk-box sound without requiring a hose.	
CHOIR	Automatically adds voices that are matched to your playing, adding spaciousness and depth to your sound. You can also use this without connecting a mic.	

COLOR Knob

Adjusts the following, depending on the mode that's selected.		
MODE	Explanation	
VINTAGE ADVANCED	Turning the knob toward the left makes the effect sound more masculine; turning it toward the right makes the effect sound more feminine.	
TALK BOX	Adjusts the amount of distortion for the effect sound.	
CHOIR	Adjusts the character of the voices that are added.	

Playing the Vocoder

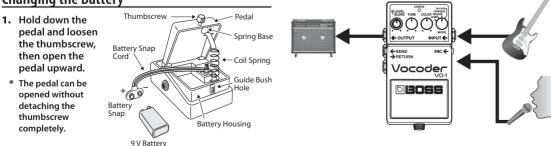
While playing your guitar, vocalize into the connected mic.

Specifications

BOSS VO-1: Vocode

B033 VO-1. V0C0del	
Nominal Input Level	INPUT, RETURN: -20 dBu MIC: -40 dBu (MIC SENS: LOW)
Input Impedance	INPUT, RETURN: 1 ΜΩ MIC: 4 kΩ
Nominal Output Level	OUTPUT, SEND: -20 dBu
Output Impedance	OUTPUT, SEND: 1 kΩ
Recommended Load Impedance	10 kΩ or greater
Power Supply	DC 9 V: Carbon-zinc battery (9 V, 6F22)/ Alkaline battery (9 V, 6LR61), AC Adaptor (sold separately)
Current Draw	65 mA * Expected battery life under continuous use: Alkaline: Approx. 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	450 g/1 lb (including battery)
Accessories	Owner's Manual, Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information"), Alkaline battery (9 V, 6LR61)
Option (sold separately)	AC adaptor (PSA series)

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, 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.
- * In modes other than CHOIR, you won't hear any effect sound unless you're vocalizing into the mic.

* 0 dBu = 0.775 Vrms