

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

- This is a "WAZA CRAFT series" effect unit featuring analog circuitry painstakingly designed in every detail for the best possible sound.
- It is a vibrato unit featuring a unique effect that uses a carefully selected BBD.
- In addition to the sound of the original VB-2, you'll enjoy a custom tone that's been fully tuned-up by BOSS engineers.

## 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 supply is drawn from the AC adaptor.
- \* 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.

**AC Adaptor**  
(PSA series: optional)

**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."

**RATE knob**  
Adjusts the modulation speed of the vibrato effect.

**DEPTH knob**  
Adjusts the modulation depth of the vibrato effect.

**RISE TIME knob**  
Adjusts the time until the maximum vibrato effect is reached.

**MODE knob**  
Switches the function of the pedal.

UNLATCH	The vibrato effect is on only while you hold down the pedal.
BYPASS	The vibrato effect turns on/off each time you press the pedal. Turning the vibrato effect off bypasses the BBD so that the audio signal does not pass through it.
LATCH	The vibrato effect turns on/off each time you press the pedal.

- \* When the vibrato effect is turned off in UNLATCH or LATCH mode, the audio signal passes through the BBD so that the effect can begin smoothly.

**Standard/Custom switch**  
Switches the tonal character.

S (standard)	The original tone of the VB-2.
C (custom)	A custom tone with emphasized modulation, in which the frequency response also changes.

**OUTPUT jack**  
Connect this jack to your amp or to the input of another effect unit.

**Pedal switch**  
This switch turns the effect 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."

**INPUT jack**  
This jack accepts signals coming from a guitar or other musical instrument, or another effects unit.

- \* The INPUT jack doubles as the 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. To prevent unnecessary battery consumption, be sure to disconnect the plug from the INPUT jack when not using the effects unit.

**DEPTH jack**  
If an expression pedal is connected, you can use the pedal to control the depth of modulation.

- \* Refer to "Caution When Using the DEPTH Jack."

**Cable:**  
Stereo 1/4" phone type

## 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.
- Due to the characteristics of its analog circuitry, this unit's CHECK indicator may be lit (effect on) or unlit (effect off) when you turn the power on.

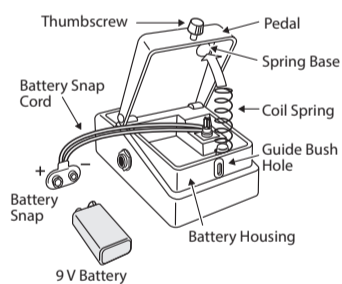
## Use of Battery

- 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.

## 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.

## Caution When Using the DEPTH Jack

- Use only the specified expression pedal (BOSS FV-500H, FV-500L, Roland EV-5; sold separately). By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit.
- You can use the DEPTH knob to adjust the amount of modulation that occurs when the pedal is in the maximum position.
- You can use the minimum volume control of the EV-5 to adjust the amount of modulation that occurs when the pedal is in the minimum position.

## 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) (9 V, 6F22) or Carbon-zinc battery AC adaptor (PSA series: sold separately)
Current Draw	35 mA  * Expected battery life under continuous use: Alkaline: 22 hours Carbon: 4 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 / 1lb 1 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) Expression pedal (BOSS FV-500H, FV-500L, Roland EV-5)

\* 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.