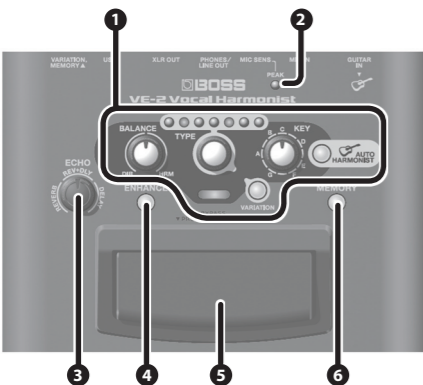


**Main Features**

Simply plug in a mic and play your guitar. That's all it takes to add beautiful harmony, resonance, and spaciousness to your singing. The compact body of the VE-2 contains functions such as generating professional-quality harmony in a variety of harmony types, adding echo, improving the consistency of your volume and pitch, and sharpening the definition of your voice, all without any need for complex settings. The VE-2 supports your vocals in any situation, from street live performances to studio recording.

**Panel Description**

**Top panel**

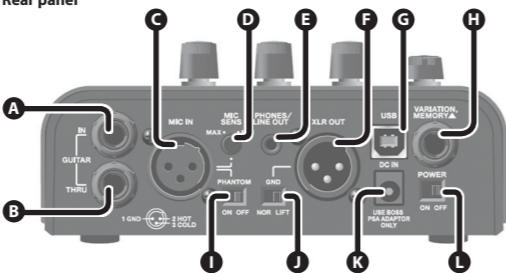


Number	Name	Explanation												
	<b>HARMONY section</b>	You can adjust the harmony.												
	<b>[BALANCE] knob</b>	Here you can adjust the harmony that is added to your voice (the direct sound). Turning this to the left of center reduces the harmony that is added; turning it to the right of center cuts the vocal (the direct sound).												
	<b>[TYPE] knob</b>	Selects the type of harmony. ➔ Refer to "Harmony Settings"												
	<b>HARMONY TYPE indicator</b>	The indicators light to show the type of harmony that's selected by the [TYPE] knob. ➔ Refer to "TYPE indication"												
	<b>[VARIATION] button</b>	Causes the harmony selected by the [TYPE] knob to be a thicker harmony.												
	<b>[KEY] knob</b>	Set this to the key of the song that you're singing. ➔ Refer to "Specifying the key of your song"												
<b>1</b>	<b>Status indicator</b>	The color of the indicator shows the harmony on/off status and BYPASS (outputting the mic input without change). ➔ Refer to "Turning the Harmony On/Off and Status indicator" *When the remaining battery power runs low, the Status Indicator will blink. If this is on, harmony will be added to your voice according to what you play on the connected guitar. *If a guitar is connected to the GUITAR IN jack, AUTO HARMONIST (FULL) automatically turns on.												
	<b>[AUTO HARMONIST] button</b>	<table border="1"> <thead> <tr> <th>Setting</th> <th>Button</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>Unlit</td> <td>Harmony is added according to the key specified by the [KEY] knob.</td> </tr> <tr> <td>FULL</td> <td>Red</td> <td>Harmony is added according to the chord progression played on the guitar.</td> </tr> <tr> <td>HYBRID</td> <td>Green</td> <td>Harmony is added according to the key specified by the [KEY] knob and according to the chords played on the guitar.</td> </tr> </tbody> </table>	Setting	Button	Explanation	OFF	Unlit	Harmony is added according to the key specified by the [KEY] knob.	FULL	Red	Harmony is added according to the chord progression played on the guitar.	HYBRID	Green	Harmony is added according to the key specified by the [KEY] knob and according to the chords played on the guitar.
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<b>2</b>	<b>PEAK indicator</b>	Indicates the mic input level.												
<b>3</b>	<b>[ECHO] knob</b>	This knob selects the echo type and adjusts its depth. Turn this knob to REVERB, REV+DLY, or DELAY to switch to that effect.												
<b>4</b>	<b>[ENHANCE] button</b>	This button lets you improve the definition of your voice by making the input volume more consistent (ENHANCE) or by making the pitch more accurate (PITCH CORRECT). <table border="1"> <thead> <tr> <th>Setting</th> <th>Button</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>Unlit</td> <td>No correction is applied.</td> </tr> <tr> <td>ENHANCE</td> <td>Red</td> <td>The input volume is made more consistent.</td> </tr> <tr> <td>ENHANCE + PITCH CORRECT</td> <td>Green</td> <td>The input volume and the pitch are made more consistent.</td> </tr> </tbody> </table>	Setting	Button	Explanation	OFF	Unlit	No correction is applied.	ENHANCE	Red	The input volume is made more consistent.	ENHANCE + PITCH CORRECT	Green	The input volume and the pitch are made more consistent.
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<b>5</b>	<b>Pedal</b>	Depending on how you step on this pedal, you can turn harmony on/off or select BYPASS (only the input sound is heard). ➔ Refer to "Turning the Harmony On/Off and Status Indicator"												
<b>6</b>	<b>[MEMORY] button</b>	Three different sets of knob and button settings can be saved and recalled. ➔ Refer to "Switching or Saving the Knob and Button Settings (MEMORY Function)"												

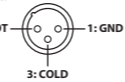
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- ASIO is a trademark and software of Steinberg Media Technologies GmbH.
- This product contains eCROS integrated software platform of eSOL Co., Ltd. eCROS is a trademark of eSOL Co., Ltd. in Japan.

**Rear panel**



This instrument is equipped with balanced (XLR) type jacks. Wiring diagrams for these jacks are shown below. Make connections after first checking the wiring diagrams of other equipment you intend to connect.



Number	Name	Explanation
<b>A</b>	<b>GUITAR IN jack</b>	Connect a guitar here. If AUTO HARMONIST is on, harmony is added to your vocal according to your guitar performance.
<b>B</b>	<b>GUITAR THRU jack</b>	Connect this to your guitar effects or guitar amp. The input to the GUITAR IN jacks is output from here without change.
<b>C</b>	<b>MIC IN jack</b>	Connect a mic here.
<b>D</b>	<b>[MIC SENS] knob</b>	Adjusts the input sensitivity of the mic connected to the MIC IN jack.
<b>E</b>	<b>PHONES/LINE OUT jack</b>	Connect headphones or a speaker here. This jack outputs the same audio signal as the XLR OUT jack. *The audio input signal of the guitar is not output from here.
<b>F</b>	<b>XLR OUT jack</b>	Connect a mixer or monitor amp here. This jack outputs the same audio signal as the PHONES/LINE OUT jack. *The audio input signal of the guitar is not output from here.
<b>G</b>	<b>USB port</b>	Use a USB cable to connect this to your computer. This connection lets you record your voice into the computer, or to listen to the computer play back via the VE-2. ➔ Refer to "Connecting the VE-2 to a Computer"
<b>H</b>	<b>VARIATION, MEMORY jack</b>	Connect a footswitch here. You can use the footswitch to switch the VARIATION or the MEMORY. ➔ Refer to "Connecting a Footswitch"
<b>I</b>	<b>[PHANTOM] switch</b>	Turns phantom power on/off. ➔ Refer to "Precautions concerning use of phantom power supply"
<b>J</b>	<b>[GND] switch</b>	Use this if a ground loop causes noise. Setting this to the "LIFT" position may reduce noise in some cases. Normally you should leave this in the "NOR" position.
<b>K</b>	<b>DC IN jack</b>	This jack is for connecting an AC adaptor (PSA series; sold separately). *Use only the specified AC adaptor (PSA series), and connect it to an AC outlet of the correct voltage.
<b>L</b>	<b>[POWER] switch</b>	This switches the power on and off.

**USING THE UNIT SAFELY**

**WARNING**

To completely turn off power to the unit, pull out the plug from the outlet. Even with the power switch turned off, this unit is not completely separated from its main source of power. When the power needs to be completely turned off, turn off the power switch on the unit, then pull out the plug from the outlet. For this reason, the outlet into which you choose to connect the power cord's plug should be one that is within easy reach and readily accessible.

**Handle batteries carefully**

- If used improperly, you risk the dangers of fluid leakage, overheating, combustion, explosion, etc. Carefully observe the following:
  - Do not heat, disassemble, or toss them into a fire or water.
  - Do not expose them to sunlight, flame, or any other source of extreme heat.
  - Do not attempt to charge a dry cell battery.
- When using a rechargeable battery and a charger, make sure to use only the combination of rechargeable battery and charger that has been specified by the battery manufacturer. Also, be sure to read all of the precautions that were supplied with the rechargeable battery and charger, and abide by them when using the battery/charger.

**CAUTION**

**Precautions concerning use of phantom power supply**  
Always turn the phantom power off when connecting any device other than condenser microphones that require phantom power. You risk causing damage if you mistakenly supply phantom power to dynamic microphones, audio playback devices, or other devices that don't require such power. Be sure to check the specifications of any microphone you intend to use by referring to the manual that came with it. (This instrument's phantom power: 48 V DC, 10 mA Max)

**IMPORTANT NOTES**

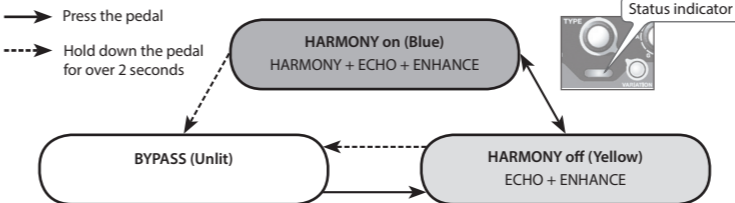
- Power Supply: Use of Batteries**
  - The use of an AC adaptor is recommended as the unit's power consumption is relatively high.
  - If operating this unit on batteries, please use the alkaline batteries, rechargeable Ni-MH batteries, or if operating this unit on batteries, please disconnect the AC adaptor from this unit.
  - 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.
  - 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" (leaflet "USING THE UNIT SAFELY" and Owner's Manual).
  - When turning the unit over, be careful so as to protect the buttons and knobs from damage. Also, handle the unit carefully; do not drop it.
- Repairs and Data**
  - When we carry out repairs, in some cases, such as when the memory section is physically damaged, restoration of the stored content may be impossible. Roland assumes no liability concerning the restoration of any stored content that has been lost.

**Turning the Power On/Off**

- Once everything is properly connected, be sure to follow the procedure below to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.
- Turn on the power of the VE-2.**
    - If you're using batteries, install four AA batteries, taking care that their polarity is correct.
      - 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.
      - This unit is equipped with a protection circuit. A brief interval (a few seconds) after turning the unit on is required before it will operate normally.
  - Power-on any equipment that is connected to the PHONES/LINE OUT jack or the XLR OUT jack.**
    - When turning the power off, minimize the volume of all devices connected to the VE-2, turn off their power, and finally turn off the power of the VE-2.
      - To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

**Turning the Harmony On/Off and Status indicator**

When harmony is turned on, the settings of the HARMONY section, the [ECHO] knob, and the [ENHANCE] button are used; when harmony is turned off, the settings of the [ECHO] knob and the [ENHANCE] button are used. If you want to hear the sound that is being input from the mic (the direct sound), select the BYPASS setting. The status indicators show the harmony on/off and BYPASS status.



**Adding Harmony**

- Connect a mic to the MIC IN jack.**
  - If you're using a condenser mic, turn the [PHANTOM] switch "ON".
- Press the pedal to make the status indicator light blue.**
  - Adjust the sensitivity so that the PEAK indicator lights orange. If the input level is too high, the PEAK indicator lights red.
    - You must adjust the input sensitivity accurately.
    - When inputting audio via a mic, input the voice of only one person. If multiple voices are being input, harmony and echo cannot be added correctly.
- If you're using a guitar, connect your guitar to the GUITAR IN jack.**
  - When you connect a guitar to the GUITAR IN jack, AUTO HARMONIST automatically turns on.
- Press the pedal to make the status indicator light blue.**
- Specify the harmony type and balance as described in "Harmony Settings."**
  - If you did not connect a guitar in step 3, you should also specify the key.
- While playing your guitar, vocalize into the mic.**
  - Your vocalization is output with added harmony.

\* Acoustic feedback could be produced depending on the location of microphones relative to speakers. This can be remedied by:
 

- Changing the orientation of the microphone(s).
- Relocating microphone(s) at a greater distance from speakers.
- Lowering volume levels with [MIC SENS] knob.

**Harmony Settings**

Use the [TYPE], [KEY], and [BALANCE] knobs and buttons to adjust the harmony.

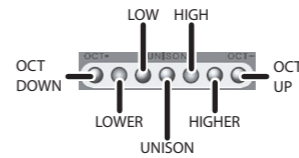
**Selecting the harmony**

Use the [TYPE] knob to select the type of harmony. Depending on the type, harmony notes of different pitches are added to your voice.

Order of changing	TYPE	Order of changing	TYPE	Order of changing	TYPE
1	UNISON	5	HIGH & HIGHER	9	LOW & LOWER
2	HIGH	6	LOW & HIGH	10	OCT DOWN
3	HIGHER	7	OCT UP & DOWN	11	LOWER
4	OCT UP	8	LOWER & HIGHER	12	LOW

**TYPE indication**

The HARMONY indicators light according to the type of harmony that's selected by the TYPE knob.



\* For combinations of two harmonic notes, such as HIGH&HIGHER, the HIGH and HIGHER indicators will both light.

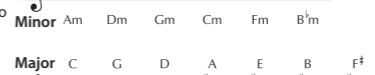
**Specifying the key of your song**

Use the [KEY] knob to specify the key of the song that you're singing, referring to "Song key and key signature" as necessary.

(Example)

If you're singing a song in A minor, set the [KEY] knob to "C," which is the relative key.

**Song key and key signature (♯, ♭)**



**Adjusting the balance between the vocal and the harmony**

Use the [BALANCE] knob to adjust the balance between the vocal (direct sound) and the harmony.

**Switching or Saving the Knob and Button Settings (MEMORY Function)**

You can save three sets of the VE-2's knob and button settings, and switch between them as your song progresses.

**Switching Memories**

You can switch memories by pressing the [MEMORY] button or the pedal.

**Using the [MEMORY] button to switch memories**

Press the [MEMORY] button to select the desired memory (color).

Memory	Button
A	Red
B	Orange
C	Green
Normal	Unlit

**Using the pedal to switch memories**

- Hold down the pedal for two seconds or longer to BYPASS the VE-2.
- Hold down the pedal once again.

The [MEMORY] button blinks slowly, alternating through memories A–C at intervals of one second.

- When the [MEMORY] button reaches the color of the desired memory, take your foot off the pedal.

The [MEMORY] button lights, and the corresponding memory is selected.

**Saving a Memory**

- Long-press the [MEMORY] button.

The button blinks slowly.

- Press the [MEMORY] button to specify the destination memory (color) in which you want to save the settings.

The button blinking rapidly, and then remains lit.

- Once again, long-press the [MEMORY] button to save the settings.

The button blinking rapidly, and then remains lit.

\*The [MEMORY] button blinks if you modify the settings of a saved memory. If you want to save the modified settings, save the memory as described in "Saving a Memory."

\* Any data stored within the unit can be lost as the result of equipment failure, incorrect operation, etc.

\* Roland assumes no liability concerning the restoration of any stored content that has been lost.

Memory	Button
A	Red
B	Orange
C	Green
Normal	Unlit

**Connecting the VE-2 to a Computer**

If you use a commercially available USB 2.0 cable to connect the VE-2 to your computer, you'll be able to do the following.

- Audio from a mic connected to the VE-2, together with harmony, can be recorded into the computer (NORMAL mode).
  - The audio input from the guitar cannot be recorded into the computer.
- Audio from a mic connected to the VE-2, together with harmony, can be mixed with audio playback from the computer, and re-recorded or streamed on the computer (LOOP BACK mode).
- The VE-2 can apply harmony to the audio playback from the computer, and output the result (INPUT mode).

**\*You must install the USB driver before connecting the VE-2 to your computer.**

Download the USB driver from the Roland website.

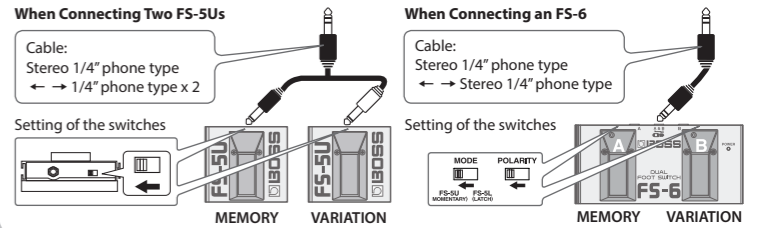
For details, refer to Readme.htm which is included in the download.

➔ <http://www.roland.com/support/>

**Connecting a Footswitch**

If a footswitch (FS-5U x 2, FS-6: sold separately) is connected to the VARIATION, MEMORY jack, you can use the footswitch to turn the [VARIATION] button on/off or to switch memories.

- If you've connected a single FS-5U, you can use it to turn VARIATION on/off. You'll need a 1/4" phone plug cable.



**Settings of the VE-2**

**Sleep function**

If ten hours elapse without any pedal or knob being operated, or any input to the INPUT jack, the VE-2 will enter Sleep mode (power conservation state: only the sound of the GUITAR THRU jack is output). If you operate the pedal while the VE-2 is in Sleep mode, it will return to normal operation.

**Pedal operation (Harmony on/off)**

You can specify how the pedal will operate when turning harmony on/off.  
\*If the VE-2's pedal is set to MOMENTARY operation, you can't use the pedal to turn BYPASS on/off or to switch memories. However, you can use a footswitch to switch memories using either the LATCH or the MOMENTARY setting.

**USB connection mode**

You can specify how the unit will operate when connected to a computer via a USB cable.

**Standard pitch setting**

Specify the standard pitch to match the tuning of your guitar.

**Setting Procedure**

To change a function or setting of the VE-2, turn on the power while long-pressing the corresponding button, and then change the setting.

Setting to be changed	Button to hold down at power-on	Change/Finalize	Parameters	Button status	Default settings
Sleep function	AUTO HARMONIST Pedal	AUTO HARMONIST/ Pedal	ON	Blink in green	√
		OFF	Blink in red		
Pedal operation	ENHANCE/ Pedal	ENHANCE/ Pedal	LATCH	Blink in red	√
		MOMENTARY	Blink in green		
USB connection mode	MEMORY Pedal	MEMORY/ Pedal	NORMAL	Blink in red	√
		LOOP BACK	Blink in orange		
Standard pitch setting	VARIATION Pedal	INPUT	Blink in green		
		437 Hz (Left)			
		437 Hz	Blink in red		
		438 Hz	(The HARMONY TYPE indicators light to show the selected pitch).		
		439 Hz			
		440 Hz (Center)	√		
441 Hz					
442 Hz					
443 Hz (Right)					

**Main Specifications BOSS VE-2: Vocal Harmonist**

<b>Power Supply</b>	Rechargeable Ni-MH Battery (AA, HR6) or Alkaline (AA, LR6) x 4, AC Adaptor (PSA series; sold separately)		
<b>Current Draw</b>	200 mA Max. (9V)		
<b>Expected battery life under continuous use</b>	Rechargeable Ni-MH battery (AA, HR6):	Approx. 12 hours (phantom power: OFF)	
	Alkaline (AA, LR6):	Approx. 8 hours (phantom power: ON)	
		Approx. 11 hours (phantom power: OFF)	
		Approx. 7 hours (phantom power: ON)	
	* These figures will vary depending on the specifications of the batteries and the actual conditions of use.		
<b>Dimensions</b>	156 (W) x 116 (D) x 64 (H) mm	6-3/16 (W) x 4-5/8 (D) x 2-9/16 (H) inches	
<b>Weight</b>	600 g	1 lb 6 oz	
<b>Accessories</b>	Owner's Manual, Leaflet "USING THE UNIT SAFELY", Alkaline Battery (AA, LR6) x 4		
<b>Options (sold separately)</b>	AC adaptor (PSA series), Footswitch (FS-5U, FS-6)		

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

**DECLARATION OF CONFORMITY Compliance Information Statement** For the USA

Model Name : VE-2  
Type of Equipment : Signal Processor  
Responsible Party : Roland Corporation U.S.  
Address : 5100 S. Eastern Avenue, Los Angeles, CA 90040-2938  
Telephone : (323) 890-3700