



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ROLAND VE-20. You'll find the answers to all your questions on the ROLAND VE-20 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

- User manual ROLAND VE-20
- User guide ROLAND VE-20
- Operating instructions ROLAND VE-20
- Instructions for use ROLAND VE-20
- Instruction manual ROLAND VE-20

VOCAL PERFORMER **VE-20**
VOCAL PROCESSOR

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 understanding 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

- **A versatile array of vocal effects, controlled by a single knob**
 - Thirty different sounds are ready for immediate use
 - Just turn the knob to select an effect, and you'll hear it immediately
- **Numerous high-quality effects**
 - "Reverb" and "Delay" add spaciousness and depth to your voice
 - Two-part "Double/Harmony" adds beautiful resonance and warmth to your voice
 - "Dynamics" makes the volume consistent, and "Pitch Correct" ensures accurate pitch
 - Use unique effects like "Distortion" or "Radio" to create distinctive performances
- **Pedal functions for live performance**
 - Phrase Loop lets you repeatedly overdub your voice to create a vocal ensemble in real time as you perform
 - You can use the HARMONY pedal to turn the Harmony effect on/off in realtime

- English
- Deutsch
- Français
- Italiano
- Español
- Português
- Nederlands



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Manual abstract:

Contents Main Features

.....
.....
.....

... 1 Installing Batteries

.....
.....

..... 3 Quick Start ..

.....
.....
.....
.....

..... 4 1. Getting ready...

.....
.....
.....

.....
.....
.....

.....4 2. Sing..

.....
.....
.....
.....

.....
.....
.....
.....

.....5 3. Switching sounds ..

.....
.....
.....

.....
.....
.....

5 4. Using the HARMONY pedal

.....
.....6 5.

Turning the power off.....

.....
.....
.....

....6 Convenient Functions .

.....

..... 14 Using the HARMONY pedal to turn effects other than Harmony on/off

.....

. 14 Using the pedals to switch sounds....

..... @ 15 Saving a sound as a different User Sound ...

15 Exchanging sounds.....

.....
.....
.....

.....
@@@16 Cutting unwanted low frequencies
... @16 Making the Connections.
.....

..... 7 Using the VE-20 live

.....
.....
.....

.....
.....
..7 Panel Descriptions ...
.....

.....
.. 8 Front panel...
.....
.....
.....
.....
.....

.....
.8 Rear panel....
.....
.....
.....
.....
.....

.....
..9 Sounds and Effects ...
.....
.....

.....10 What is a "sound"?

.....
.....
.....

.....
.....
.. 10 What is an "effect"?...
.....
.....
.....

..... 10 Adjusting the level of the Reverb effect..

.... 11 Adjusting the level of the Delay effect.... 11 Adjusting the Harmony effect..

.....
.....
.....

..... 11 Editing the effects..

.....
.....
.....
.....

.....
. 12 Naming your sound

the discharge from the battery compartment. Then install new batteries. To avoid inflammation of the skin, make sure that none of the battery discharge gets onto your hands or skin. Exercise the utmost caution so that none of the discharge gets near your eyes. Immediately rinse the affected area with running water if any of the discharge has entered the eyes.

· Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc. · When installing or replacing batteries, always turn off the power on this unit and disconnect any other devices you may have connected. This way, you can prevent malfunction and/or damage to speakers or other devices. · Batteries are supplied with the unit. The life of these batteries may be limited, however, since their primary purpose is to enable testing.

· If you're using the VE-20 only on batteries, the POWER indicator will become dim as the batteries run down, and will then go out. Replace the batteries as soon as possible. You'll need six AA batteries. · If you'll be using the VE-20 for an extended time, we recommend that you use an AC adaptor. If you prefer to use a battery, we recommend an alkaline battery.

Continuous usage time under battery power is about 8 hours with alkaline batteries and about 2 hours with carbon batteries. (This may vary according to usage conditions.) Italiano Español Português Nederlands 3 Quick Start 1. Getting ready 1 Connect your mic to the INPUT jack, and connect the OUTPUT jacks to your mixer or recorder. · If you're using batteries, insert them before you continue. "Installing Batteries" (p. 3) · If you're using an AC adaptor (BOSS PSA-series; optional), connect it to the DC IN jack. Before you make connections, make sure that the input gain or volume of your mixer or recorder is turned down. · If you use a condenser mic that requires phantom power, set the Phantom Power parameter to the On. "Using a condenser mic (Phantom Power)" (p.

16) · If you're using headphones, connect them to the PHONES/LINE jack. 2 Move the rear-panel POWER switch to the ON position. (The power will turn on.) Lit When you turn on the power, a screen like the following will appear. This is called the "Play screen." 3 Adjust the input sensitivity. In order to use the VE-20 optimally, you'll need to adjust the input sensitivity. 1. Press the MENU button. 2.

Press the cursor button () to select MicSens. 3. Turn the SOUND knob to adjust MicSens. At the ideal setting, the meter will occasionally reach the far right (as shown below) when you sing loudly. If your voice sounds distorted, lower the MicSens setting.

Meter The MicSens setting is stored in memory even after the power is turned off, so you won't need to adjust it again unless you want to use a different mic or a different vocalist. 4 Quick Start 4 5 Press the EXIT button to return to the Play screen. Gradually raise the input gain or volume of your mixer or recorder.

2. Sing English 1 Go ahead and sing.

Use the ON/OFF pedal to switch the effect on/off, and hear the difference it makes. The ON/OFF indicator lights when the VE-20's effect is on. Deutsch Lit Français Italiano 3. Switching sounds 1 Turn the central SOUND knob to switch between different sounds. Each sound has a name that is descriptive of its character. You can also refer to the "Sound List" (p. 17) when selecting a sound. Español Português Nederlands For details on the sounds, refer to "What is a "sound"?" (p. 10). 5 Quick Start 4.

Using the HARMONY pedal 1 Press the HARMONY pedal; the Harmony effect will be applied. The HARMONY indicator will light. Lit · For details on adjusting the harmony effect, refer to "Adjusting the Harmony effect" (p. 11). · You can use the HARMONY pedal to apply effects other than Harmony. @@ (14) 5. @@@@ @@@@ · Some connection cables contain resistors. @@@@ @@@@ · This unit is equipped with a protection circuit. @@@@ This will allow them to make sure that necessary equipment such as connection cables are available, and will help the rehearsal and the actual performance go smoothly.



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Português Nederlands Caution when making connections Numerous types of PA equipment are used in a live event.

Unexpectedly breaking a connection can produce high-volume noise, and may even damage equipment. Before you turn the VE-20's power on/off, or connect or disconnect the cables, be sure to check with a staff member and obtain their permission. 7 Panel Descriptions Front panel Display This shows the sound number and name. In sound or function editing screens, it shows the parameters and values being edited. * Never strike or apply strong pressure to the display.

PHRASE LOOP Indicator This lights when the Phrase Loop function is on. MENU Button Use this to make settings for sounds and functions. PHRASE LOOP Button This turns the Phrase Loop function on/off. "Using Phrase Looping the type of output (Stereo or Mono/Dry)" (p. 16), "Output" (p.

19) Português PCS-31L (optional) Nederlands 9 Sounds and Effects What is a "sound"? On the VE-20, a "sound" is a combination of effects that determine the overall tonal character of a vocal that is processed with the unit. Each effect in a sound modifies a specific vocal characteristic, such as volume, tone, pitch, or ambience. A vocalist can instantly change their entire tonal character by selecting one of the 30 different sounds in the VE-20. Sound number 0130 Preset sounds Sound type Explanation These are read-only. If you've modified the settings of a preset Sound and want to preserve the result, you can save it as a user Sound (p. 15). These settings can be edited and saved. 3180 User sounds What is an "effect"? An "effect" modifies a specific component of a sound: volume, tone, pitch, or ambience. The VE-20 contains six different effects. Each can be switched on/off independently and various parameters can be adjusted.

For details on how to edit an effect, refer to "Editing the effects" (p. 12). For details about each effect, refer to "Parameter guide" (p. 18). Effects DYNAMICS PITCH CORRECT Explanation Makes the volume more consistent. Corrects inaccuracies in the pitch. With certain settings, Pitch Correct can make the pitch change in a coarse "stair-step" fashion to produce a mechanical vocal tone. Adjusts the tonal cha 1. Hold down the HARMONY pedal for two seconds or longer. The sound number will blink.

Blinking 3. Press cursor button (). 4. Turn the SOUND knob to select DELAY. 5.

Press the EXIT button to return to the Play screen. Now, DELAY will toggle on/off each time you press the HARMONY pedal. 2. Press the ON/OFF pedal or the HARMONY pedal to switch sounds. Each pedal performs the following function.

Pedal ON/OFF pedal HARMONY pedal Function Switches to the preceding sound number. Switches to the next sound number. Example 2) Turning multiple effects on/off simultaneously 1. Press the MENU button. 2. Turn the SOUND knob to select CONTROL PEDAL. 3. Hold down the HARMONY pedal for two seconds or longer. The sound number changes back to steadily lit, and the pedals return to their usual function. 3.

Press cursor button (). 4. Turn the SOUND knob to select CUSTOM. 5. Press cursor button () to select the effect that you want to turn on/off. 6. Turn the SOUND knob to choose the "o" setting. 7. Repeat steps 56 for each effect that you want to turn on/off. 14 Convenient Functions 4.

@@Press the MENU button. 2. Press the cursor button (LoopType. @.@5. Press the ON/OFF pedal.

@.@Turn the SOUND knob to select Check. Deutsch 4. Press the EXIT button to return to the Play screen. @.@.@.@.@.@.@.@Press the MENU button. 3. @.@.@.@Press the cursor button () to select EXCHANGE. The REC indicator blinks, and the Exchange screen appears. @.@Turn the SOUND knob to select the other Português 1. Press the MENU button. 2. Turn the SOUND knob to select WRITE. Sound name of the exchange destination Sound number of the exchange destination 3. Press cursor button (). The REC indicator blinks, and the Write screen appears. If you decide not to execute the Exchange operation, press the EXIT button to return to the previous screen.

Nederlands 6. Press the ON/OFF pedal. The sounds are exchanged. * Never turn off the power before the display indicates "COMPLETED!". 15 Convenient Functions Specifying the type of output (Stereo or Mono/Dry) If you want the VE-20's sound to be output in stereo or as mono/dry signals, make the following setting. Cutting unwanted low frequencies If you want to cut unwanted low-frequency content, turn on the LowCut parameter. 1. Press the MENU button. 2.

Press cursor button (Output.

) to select the 1. Press the MENU button. 2. Press cursor button (Cut.) to select the Low 3.

Turn the SOUND knob to select Stereo or Mono/Dry. Here, Stereo is selected. 3. Turn the SOUND knob to select On. 4.

Press the EXIT button to return to the Play screen. To learn more about the parameters, refer to "Output"(p. 19). Adjusting the screen's legibility (Contrast) 1.

Press the MENU button. 2. Press cursor button (Contrast.) to select the 4. Press the EXIT button to return to the Play screen. Using a condenser mic (Phantom Power) If you're using a condenser mic that requires phantom power, turn phantom power on as described below.

3. Turn the SOUND knob to adjust the Contrast. 4. Press the EXIT button to return to the Play screen. 1. Press the MENU button. 2. Press cursor button (Phantom Power.) to select the 3. Turn the SOUND knob to select On.

4. Press the EXIT button to return to the Play screen. 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) 16 Appendix Restoring the factory settings (Factory Reset) Here's how to restore the VE-20's settings to their factory-set condition. Sound List No. 01 02 03 04 05 06 07 08 Category STANDARD POP BALLAD OLDIES ROCK JAZZ ECHO ARENA CATHEDRAL HIP HOP VOICE PERC HARMONICA DOUBLE DOUBLE VOICE TRIPLE VOICE Sound Name HARD ROCK 1. Press the MENU button. 2. Turn the SOUND knob to select FACTORY RESET. English 3. Press cursor button (). The REC indicator will blink, and the Factory reset screen appears. 09 10 11 12 13 14 Deutsch Français 4. Turn the SOUND knob to specify the extent of the factory reset. Value ALL SOUND SETUP 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 SFX HARMONY 6 VOICE 5th HARMONY 3rd HARMONY 5th + DOUBLE 3rd + DOUBLE Data to be initialized All settings Settings for all user sounds Setup parameters Italiano 3rd + 5th LOW 3rd + 5th 3rd + 5th HIGH DISTORTION RADIO STROBE CHORUS FLANGER PitchCorrect CHROMATIC If you decide not to execute the Factory Reset, press the EXIT button to return to the previous screen.



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Español 5. Press the ON/OFF pedal. The settings you specified will return to their factory-set state.

* Never turn off the power before the display indicates "COMPLETED!". Portuguese ROBOT Netherlands 17 Appendix Parameter Drive *2 Tone *2 Speed *3 Depth *4 *1 *2 *3 *4 Explanation Adjusts the degree of distortion. Adjusts the tonal character. Specifies the speed. Adjusts the depth of CHORUS. Parameter guide Sound parameters These are the effects parameters than you can edit within each sound. DYNAMICS Parameter On, Off Depth Enhance Explanation Switches DYNAMICS on/off. Adjusts the depth of DYNAMICS. Adjusts the depth of the Enhance effect. Higher settings will give the sound sharper definition. Available if Type is set to PREAMP. Available if Type is set to DISTORTION. Available if Type is set to STROBE or FLANGER. Available if Type is set to CHORUS. Explanation Switches DOUBLE/HARMONY on/off.

Off Double Turns the part off. Produces a double-tracking effect. If you've specified the key of your song (p. 11), harmony that is suitable for that key will be added at the interval you specify here. By changing the vocal character, this produces the impression that another person is singing the same melody along with you.

DOUBLE/HARMONY Parameter On, Off Part1 (2) Type PITCH CORRECT Parameter On, Off Type Explanation Switches PITCH CORRECT on/off. Soft Hard Electric Robot Scale *1 The pitch will be corrected smoothly. The pitch will be corrected quickly. Corrects pitch variation to a stair-step change. Corrects the pitch to the specified note. -1+1 oct Unison Part1 (2) Dbl *1 Adjusts the intensity of the Double effect in three levels (Light / Normal / Deep). Part1 (2) Lev *2 Adjusts the volume of the part. Part1 (2) Gender *2 Part1 (2) Pan Key *2 Transforms the voice by giving it a masculine or feminine character. @@@@Specifies the amount by which the pitch will change. Specifies the key of the song you're singing (p.

11). @@11). *1 Available if Type is set to Double. @@Adjusts the delay time (14000 ms). Adjusts the amount of delayed sound that is repeated. Adjusts the volume of the delayed sound. *1 Available if Type is set to Soft, Hard, or Electric. *2 Available if Scale is set to Maj(Min). *3 Available if Type is set to Robot. TONE/SFX Parameter On, Off Type Explanation Switches TONE/SFX on/off.

PREAMP DISTORTION RADIO STROBE CHORUS FLANGER Gain *1 Bass *1 Middle *1 Middle f *1 Treble *1 Adjusts the tonal character. Produces a distorted voice. Produces a radio voice. Finely slices the voice. Adds richness to the voice.

Adds a "swooshing" modulation. DelayLevel REVERB Parameter On, Off Type Explanation Switches REVERB on/off. Ambience Produces a sense of spatial depth. Room Hall 1 Hall 2 Produces warm reverberation. Produces clear and spacious reverberation.

Produces mild and understated reverberation. @@Adjusts the tone quality of the low-frequency range. Adjusts the tone quality of the mid-frequency range. Adjusts the frequency affected by the Middle parameter. Adjusts the tone quality of the high-frequency range. @@@@14). Switches each effect on/off (p. @@ Replace them with new batteries (p. 3). * The batteries included with the VE-20 are meant only to confirm that the unit is functional at the factory.

MASTER Parameter Level NoiseThres Explanation Specifies the volume of the sound. Adjust this according to the noise level. Set this to a larger value if the noise level is high, or to a lower value if the noise level is low. Specifies the key of the song you're singing (p. 11). Is the specified AC adaptor (PSA series; optional) connected correctly? Check the connections again (p. 7). Never use any AC adaptor other than the adaptor specified. Could the POWER switch be OFF? Turn the POWER switch ON (p. 4).

English No sound/volume is low Is the other equipment connected correctly? Check the connections again (p. 7). Could the volume or input gain of the connected mixer or recorder be lowered? Check the settings of the connected device. Could the Phantom Power parameter be set to Off? If you're using a condenser mic that requires phantom power, set the Phantom Power parameter to the On (p. 16). Could the MicSens or Volume settings be too low? Adjust these to appropriate values (p. 4). Have the batteries run down? Replace them with new batteries (p. 3). * The batteries included with the VE-20 are meant only to confirm that the unit is functional at the factory.

Key Deutsch System parameters These parameters are applied to the entire VE-20. SETUP Parameter MicSens PhantomPower Output Explanation Adjusts the input sensitivity. On, Off Mono Stereo Turns on/off the supply of phantom power to the INPUT jack. Mono output from OUTPUT connectors L (MONO) and R. Stereo output from the OUTPUT connectors. Français Italiano Mono output from OUTPUT connector L (MONO) and Dry sound from Mono/Dry connector R. * This setting also applies to the L and R signals of the PHONES/LINE jack. LowCut LoopType Perform Check Contrast On, Off Cuts unwanted low-frequency content. Select this if you want to use the Phrase Loop function to overdub (p. 13).

Select this if you want to perform a sound check (p. 15). The POWER indicator has gone dim Is the specified adaptor (PSA series; optional) properly connected? Check the connection once more (p. 7). * Never use any AC adaptor other than one specified for use with the VE-20. Have the batteries run down? Replace them with new batteries (p. 3). * * When the indicator goes dim or no longer lights while the effect is on, it means that the batteries must be replaced. The batteries included with the VE-20 are meant only to confirm that the unit is functional at the factory. Español Adjusts the display contrast (legibility).

Sound is distorted Portuguese Is the MicSens setting appropriate? Adjust the setting appropriately (p. 4). Is the output from another effects processor connected to the INPUT jack? Connect your mic directly to the INPUT jack. FACTORY RESET Parameter ALL SOUND SETUP Explanation All settings will be initialized. All user sound settings will be initialized.

Setup parameter settings will be initialized. Can't store the recorded phrase Netherlands It is not possible to store a recorded phrase in the VE-20. Can't overdub using Phrase Loop Could the Phrase Loop parameter be set to Check? Overdubbing is not possible if this is set to Check. If you want to overdub, set the Phrase Loop parameter to Perform (p. 15).

19 Main Specifications VE-20: Vocal Processor Nominal Input Level INPUT: -20 dBu (MicSens=40) Input Impedance Nominal Output Level Output Impedance Sound INPUT: 4 k ohms OUTPUT: -20 dBu PHONES/LINE: -4 dBu OUTPUT: 600 ohms PHONES/LINE: 66 ohms 30 (Preset) + 50 (User) Dimensions Weight Accessories Power Supply DC 9 V: Dry battery LR6/R6 (AA) type x 6, AC Adaptor (PSA series) * Duration of continuous use with battery operation: Carbon: 2 hours, Alkaline: 8 hours These figures will vary depending on the actual conditions of use.



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*Current Draw 180 mA (9 V max.) 173 (W) x 158 (D) x 57 (H) mm 6-13/16 (W) x 6-1/4 (D) x 2-1/4 (H) inches 1.1 kg / 2 lbs 7 oz (including batteries) Owner's Manual Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information") Dry battery LR6 (AA) type (Alkaline) x 6 AC Adaptor: PSA series Maximum Recording 38 seconds Time (Monaural only) Display Connectors 16 characters, 2 lines (backlit LCD) INPUT jack (XLR type (balanced, phantom power +48 V), 1/4 inch TRS phone type (balanced)) OUTPUT jacks (XLR type) PHONES/LINE jack (Stereo 1/4 inch phone type) DC IN jack (DC 9 V) Option ** 0 dBu = 0.775 Vrms In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice. .*



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