BOSS

V-GUITAR PROCESSOR

VG-800

Reference Manual

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Overview

Overview of the VG-800

The VG-800 is a modeling processor that's compatible with serial GK-type divided pickups (GK-5/GK-5B: sold separately).

INST (instrument) block

This is a sound generator that plays sounds based on the performance data from the divided pickup or from the input sound of a guitar/bass guitar.

In addition to modeled sounds like electric and acoustic guitar, an alternate tuning function is available to independently change the pitch for each string.
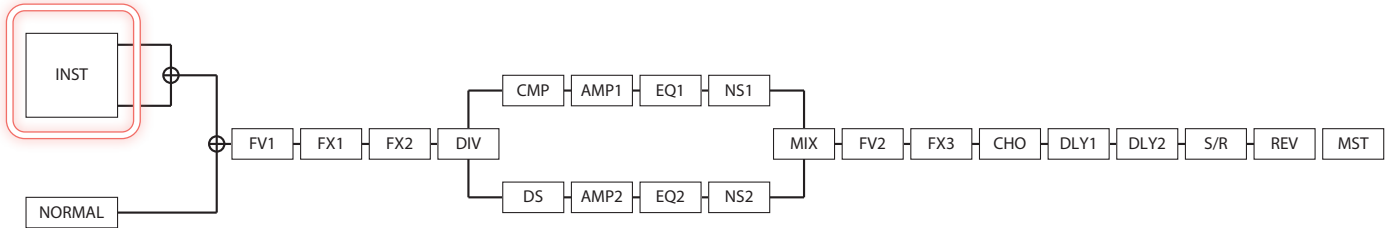
EFFECT (effect) block

The VG-800 features high-quality effects.

You can chain together and reorder these effects as you like.
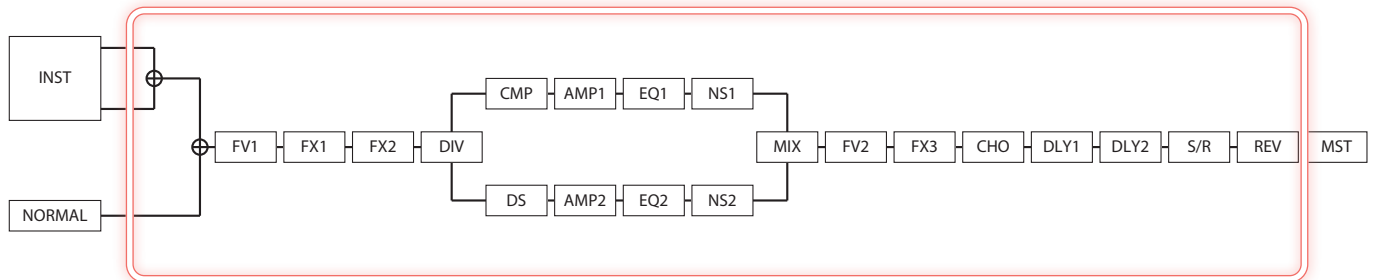
Memory

The settings for the INST section, effects, control/assign and GUITAR/BASS TO MIDI are saved as memories.

You can save the performance state you like, including the settings for each block together as a memory. This is useful for saving your memory settings beforehand, so that you can switch between them while you're playing.

What is "serial GK"?

Serial GK is a technology for transmitting divided pickup signals to/from a compatible device.

*   A dedicated serial GK cable is required for this.

The divided pickup signal that's input to the GK IN jack of the first unit is sent to the GK IN jack of the second unit. You can also send the sounds you created using the first unit (stereo output) to the second unit. For details, refer to "Using serial GK to transmit/receive audio signals (GK AUDIO)" (p. 18).

[Connection example]

Divided pickup

GK-5/GK-5B (sold separately) or similar

Divided pickup signals

GK IN OUT

GK IN OUT

First unit

Second unit
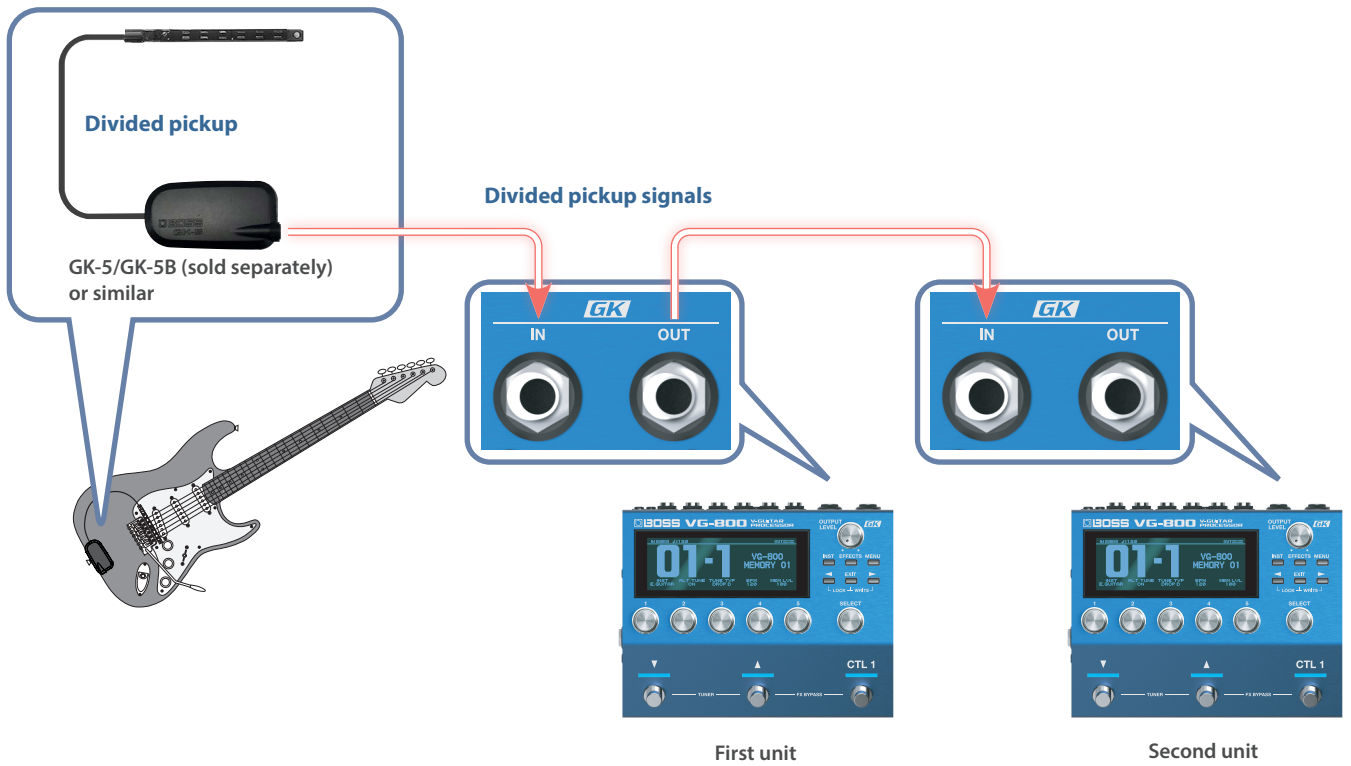
Panel descriptions

Front panel

1 Display

Shows various information for the VG-800.

2 [OUTPUT LEVEL] knob

Adjusts the overall volume.

3 [INST] button

Sets the INST (modeling) tone that's used.

4 [EFFECTS] button

Configures the effect settings and signal chain (the order in which the effects are connected).

5 [MENU] button

Switches to the MENU screen.

6 [◄] [►] (PAGE) buttons

Switches between pages.

7 [EXIT] button

Press this to return to the previous screen or to undo an operation.

*   Press the [EXIT] and [◄] buttons at the same time to switch the KNOB LOCK function on/off.

    When this is on, knob operations are disabled on the play screen (p. 12).

*   Press the [EXIT] and [►] buttons at the same time to save or copy the memory.

8 [1] [2] [3] [4] [5] [SELECT] knob

Use these knobs to select and edit the parameter values that are shown is the display.

9 [▼] [▲] switches

Use these to switch between memories.

*   Press the [▼] and [▲] switches at the same time to show the tuner screen.

10 [CTL 1] switch

Controls the functions that are set for each memory.

*   When you press the [▲] and [CTL 1] switches at the same time, you can make only the INST (modeling) sound be heard (p. 12).

Rear panel/side panel (connecting your equipment)

* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

11 GK IN jack

12 GK OUT jack

15 OUTPUT jacks

Guitar amplifier   Headphones   Mixer

20 MIDI (OUT/IN) jacks

13 GUITAR INPUT jack

14 SEND/RETURN jacks

18 **17**

19 ⌁ (USB COMPUTER) port

Computer

16 CTL 2, 3/EXP 1 jack and CTL 4, 5/EXP 2 jack

When used as the EXP 1/EXP 2 jacks

Connect an expression pedal here.

When used as the CTL 2, 3 and CTL 4, 5 jacks

Connect a footswitch to these jacks.

FS-5U x 1	FS-5U x 2	FS-6	FS-7
1/4" phone type ↑ ↓ 1/4" phone type	Stereo 1/4" phone type ↑ ↓ 1/4" phone type × 2	Stereo 1/4" phone type ↑ ↓ Stereo 1/4" phone type	Stereo 1/4" phone type ↑ ↓ Stereo 1/4" phone type

CTL 2
CTL 4

CTL 3
CTL 5

CTL 2
CTL 4

CTL 3
CTL 5

CTL 2
CTL 4

CTL 3
CTL 5

CTL 2
CTL 4

* Use only the specified expression pedal (EV-30, FV-500L, FV-500H, or EV-5: sold separately). By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit.

Mode/polarity switches

FS-5U   FS-6   FS-7

5

Panel descriptions

11 GK IN jack

Connect a guitar or bass that has a BOSS divided pickup such as a GK-5 or GK-5B.

* Never use a cable other than the dedicated serial GK cable for this unit.

12 GK OUT jack

Use this jack to connect multiple VG-800 units, or to connect to a compatible device that features a GK IN jack.

13 GUITAR INPUT jack

Connect a standard guitar here.

14 SEND/RETURN jacks

Connect an external effect unit or similar device here.

The SEND/RETURN jacks on this unit are stereo (TRS) jacks.

➡ For details on connecting, refer to the "VG-800 Parameter Guide" (BOSS website).

15 OUTPUT jacks

Connect these to your guitar amp, PA system (line-level) or headphones (sold separately).

* Connect your headphones to the L/PHONES jack.

* For mono output, use only the R/MONO jack.

* If you're using headphones, don't connect anything to the R/MONO jack.

16 CTL 2, 3/EXP 1 jack and CTL 4, 5/EXP 2 jack

You can control various functions by connecting an expression pedal (EV-30, FV-500L, FV-500H or EV-5: sold separately) or a footswitch (FS-5U, FS-6, FS-7: sold separately).

➡ For details on the settings, refer to "Configuring the control assignments (CONTROL ASSIGN)" (p. 15).

17 DC IN jack

Connect the included AC adaptor to this jack.

* The DC IN jack also serves as the power switch. The power turns on when you insert a plug into the DC IN jack, and the power turns off when you unplug the cable.

18 Ground terminal

Connect this to an external earth or ground if necessary.

19 ⟜ (USB COMPUTER) port

Use a commercially available USB Type-C® cable to connect this port to your computer.

This port lets you use the dedicated editor software or transfer USB MIDI and USB audio data.

You must install the USB driver before connecting this unit to a computer.

Download the USB driver from the BOSS website.

For details, refer to the "Readme.htm" file included with the download.

* Do not use a USB cable that is designed only for charging a device. Charge-only cables cannot transmit data.

20 MIDI (OUT/IN) jacks

These connectors transmit and receive MIDI messages to/from connected external MIDI devices.

* Use a TRS/MIDI connecting cable (sold separately: BMIDI-5-35) to connect an external MIDI device.

* Do not use these connectors for connecting to audio devices. Doing so may cause a malfunction.

Getting ready

Getting your guitar/bass ready

- To use the modeling or alternate tuning features of the VG-800, you must connect a guitar or bass guitar that uses a divided pickup (GK pickup) capable of outputting separate signals from each string, such as the BOSS GK-5 or GK-5B.
- See the GK pickup owner's manual for how to install the GK pickup.
- Be careful of issues like neck warpage, worn frets that cause string buzzing and mistuned octaves, which may cause wrong notes to play.
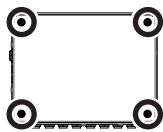
Connecting the equipment

➡ Refer to "Rear panel/side panel (connecting your equipment)" (p. 5).

Attaching the rubber feet

You can attach the rubber feet (included) if necessary.

Attach them in the locations shown in the illustration.

* Using the unit without rubber feet may damage the floor.
* 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.

Turning the power on

* Before turning the unit on/off, always be sure to turn the volume down. 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.
* To turn the power off, reverse the order.

1. **Turn the volume all the way down on your guitar amp and other devices connected to this unit.**

2. **Connect your equipment to the OUTPUT jack(s).**

3. **Connect your guitar or other instrument.**

4. **Plug the included AC adaptor into the DC IN jack of this unit.**
   The unit turns on, and the play screen appears.

5. **Turn on your guitar amp and other devices connected to this unit.**

Auto Off function

The power to this unit turns off automatically to save energy after a certain amount of time (20 minutes by default) has passed since it was last used or since its buttons or controls were operated.

- If the power automatically turns off, any unsaved data is lost. Before the power turns off, save the data that you want to keep.
- If you don't want the unit to turn off automatically, turn this setting off. Note that when the setting is turned off, the unit may consume more power.
- You can simply turn the power back on after it has turned off automatically.
* Power consumption when in off mode (when the power automatically turns off): 0.1 W
* For details, refer to "Setting the auto off function" (p. 19).

Selecting the instrument (guitar/bass) to use (MODE SETTING)

When you connect a guitar or bass guitar to the VG-800, use either the GUITAR MODE or BASS MODE setting as appropriate.

1. **Press the [MENU] button.**

2. **Press the [◀] [▶] buttons to display "MODE SETTING".**

3. **Press the [5] knob.**
   A confirmation message appears.

4. **Press the [5] knob and select "OK" to change the mode.**
   If you don't want to change the mode, press the [4] knob and select "CANCEL".

   When the unit finishes processing, the message "Completed" appears.
* Never turn off the power while the "Executing..." message is shown.

5. Turn the power of the VG-800 off and then on again.

> **MEMO**

- The VG-800 starts up using the selected mode until the next time you switch modes.
- The parameter display may change depending on the mode you select.
- There are different memories for guitar mode and bass mode respectively.

Selecting devices to connect to the output jacks (OUTPUT SELECT)

1. Press the [MENU] button.

2. Press the [◄] [►] buttons to display "IN/OUT SETTING".

```
MENU
CONTROL   GK       IN/OUT    HARDWARE   TUNER
ASSIGN    SETTING  SETTING   SETTING
```

3. Press the [3] knob.

The IN/OUT SETTING screen appears.

```
IN/OUT SETTING
OUTPUT    TOTAL    USB       GK
                   AUDIO     AUDIO
```

4. Press the [1] knob.

The OUTPUT screen appears.

```
IN/OUT SETTING>OUTPUT
OUTPUT    GLOBAL
SELECT    EQ
```

5. Press the [1] knob.

The OUTPUT SELECT screen appears.

```
IN/OUT SETTING>OUTPUT>OUTPUT SELECT
OUTPUT SELECT
LINE/PHONES (RECORDING)
JC-120 RETURN
JC-120 INPUT
KATANA-100/212 RETURN
KATANA-100/212 INPUT
KATANA-100 RETURN
KATANA-100 INPUT
TUBE COMBO 212 RETURN
```

6. Turn the [SELECT] knob to select the device you want to connect.

For details on the types of devices to connect, refer to the "VG-800 Parameter Guide" (BOSS website).

Configuring the pickup settings (GK SETTING)

Configure the divided pickup settings so that the VG-800 is always in the optimum state when you play. You can save up to 10 of these settings (GK SETTING) for the VG-800.

Here's an example of how to save the pickup settings in GK SET: [01].

> **MEMO**

- GK SETTING is saved even after you turn off the power. For this reason, you don't need to reconfigure the settings each time you play.
- You need to make these settings in situations such as when you've newly installed a divided pickup on your guitar or bass guitar, or when you've changed the height of the divided pickup.

1. Press the [MENU] button.

2. Press the [◄] [►] buttons to display "GK SETTING".

```
MENU
CONTROL   GK       IN/OUT    HARDWARE   TUNER
ASSIGN    SETTING  SETTING   SETTING
```

3. Press the [2] knob.

The GK SETTING screen appears.

4. Turn the [SELECT] knob to move the cursor to the first line.

```
GK SETTINGS
                GK SET
01:GKSET 1                          NAME
GK TYPE   SCALE    PU PHASE  PU DIR
GK-5      ST       NORMAL    NORMAL
GAIN      TU.STYLE S1/S2     NORM GAIN
----      NORMAL   NORMAL    0dB
```

5. Turn the [1] knob to select GK SET: [01].

The pickup settings are saved to GK SET: [01].

> **MEMO**

The pickup settings are automatically saved to the memory number you selected in step 5.

Selecting the pickup type

Here's how to select the pickup that you've installed on your guitar or bass.

6. Turn the [SELECT] knob to move the cursor to the second line.

```
GK SETTINGS
            GK SET
01:GKSET 1                      NAME
GK TYPE  SCALE  PU PHASE  PU DIR
 GK-5     ST    NORMAL   NORMAL
 GAIN   TU.STYLE  S1/S2  NORM GAIN
 ----    NORMAL  NORMAL    0dB
```

**7. Turn the [1] knob to select the pickup type.**

GK TYPE (guitar mode)	Explanation
GK-5	Select this when you're using the BOSS GK-5.
GK5KIT-6	Select this when you're using a guitar with a built-in BOSS GK5-KIT (six strings).
GK5KIT-7	Select this when you're using a guitar with a built-in BOSS GK5-KIT (seven strings).
GK-3	Select this when you're using the Roland GK-3. *1
GK-2A	Select this when you're using the Roland GK-2A, or a commercially available guitar with a built-in divided pickup (13-pin). *1
GC-1	Select this when you're using the Roland V-Guitar GC-1. *1
PIEZO	Select this when using a guitar with a piezo pickup (flat response). *1
PIEZO F	Select this when using a guitar with a piezo pickup (Fishman). *1
PIEZO G	Select this when using a guitar with a piezo pickup (Graph Tech). *1
PIEZO L	Select this when using a guitar with a piezo pickup (L.R.Baggs). *1
PIEZO R	Select this when using a guitar with a piezo pickup (RMC). *1

GK TYPE (bass mode)	Explanation
GK-5B	Select this when you're using the BOSS GK-5B.
GK5KIT-B	Select this when you're using a bass guitar with a built-in BOSS GK5-KIT.
GK-3B	Select this when you're using the Roland GK-3B. *1
GK-2B	Select this when you're using the Roland GK-2B, or a commercially available bass guitar with a built-in divided pickup (13-pin). *1
PIEZO(B)	Select this when using a bass guitar with a piezo pickup (flat response). *1
PIEZO G(B)	Select this when using a bass guitar with a piezo pickup (Graph Tech). *1
PIEZO R(B)	Select this when using a bass guitar with a piezo pickup (RMC). *1

*1: Use this with the GKC-AD (sold separately).

Specifying the scale length

Here's how to set the scale length (the length from the bridge to the nut) for the guitar/bass guitar you're using.
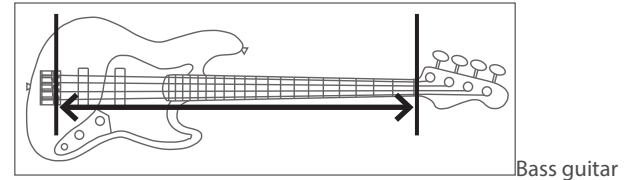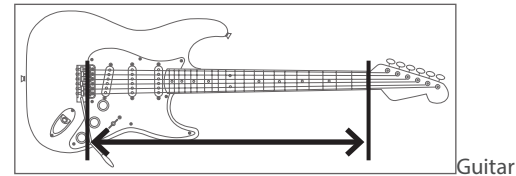
Guitar

Bass guitar

8. Turn the [2] knob to set the scale length.

If you're in guitar mode, set this to "ST (648mm)" for a standard Stratocaster type, and set this to "LP (628mm)" for a Les Paul type.

If you're in bass guitar mode, set this to "LONG (864mm)" if you're using a standard jazz bass precision bass type.

MEMO

This parameter is not shown if you've selected "GC-1" for GK TYPE.
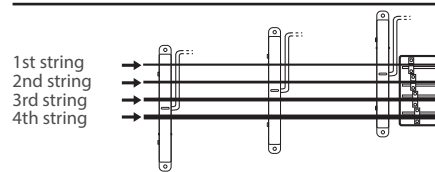
Specifying the pickup arrangement (bass guitar only)

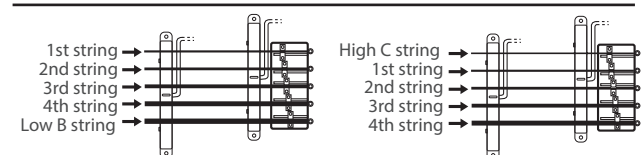Set the PU Pos according to where you've installed the divided pickup on your bass guitar.

```
GK SETTINGS
            GK SET
01:GKSET 1                      NAME
GK TYPE  SCALE  PU PHASE  PU DIR   PU POS
 GK-5B   LONG   NORMAL   NORMAL    6STR
 GAIN   TU.STYLE  S1/S2  NORM GAIN
 ----    NORMAL  NORMAL    0dB
```

9. Turn the [5] knob to set PU Pos.

For four-string bass guitars

PU Pos   4STR-1   4STR-2   4STR-3

1st string
2nd string
3rd string
4th string

For five-string bass guitars

PU Pos   5STR-Lo1   5STR-Lo2   5STR-Hi1   5STR-Hi2

1st string
2nd string
3rd string
4th string
Low B string

High C string
1st string
2nd string
3rd string
4th string

For six-string bass guitars

PU Pos   6STR

High C string
1st string
2nd string
3rd string
4th string
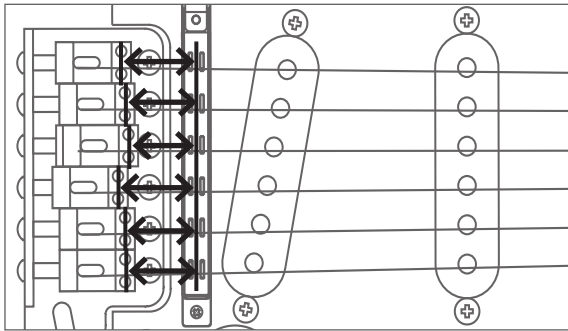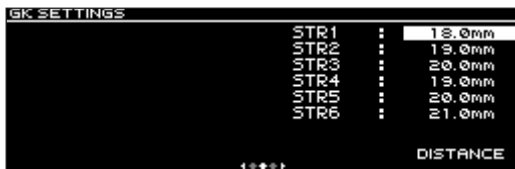Low B string
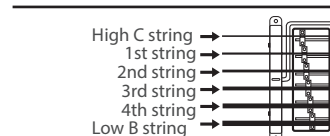
Specifying the distance from the bridge

Here's how to specify the distance from the bridge to the center of the pickup for each string.

10. Press the [◀] [▶] buttons to show the DISTANCE screen.

11. Turn the [SELECT] knob to move the cursor to the string for which you want to specify the distance.

12. Turn the [5] knob to adjust the DISTANCE value.

MEMO

This setting is unnecessary if GK TYPE is "GC-1" or if you've selected a piezo-type pickup.

Setting the pickup sensitivity

The volume for the strings may differ, depending on the distance between each string and the divided pickup. You can correct these volume differences by setting the pickup sensitivity.

13. Press the [◀] [▶] buttons to show the SENS screen.

14. Turn the [SELECT] knob to move the cursor to the string for which you want to set the SENS value.

15. Turn the [5] knob to adjust the SENS value.

Pluck each string at the hardest strength you would likely use, and adjust the sensitivity values so that the meters don't overload. The level is too loud if the meter overloads, so if a given meter overloads, lower the SENS value for that string.

* The level meters may overload with the input signal from certain guitars or bass guitars, even when the sensitivity is set to a low value.
If this happens, widen the distance a bit more than normal between the divided pickup and the strings.

16. Check the volume balance for all the strings.

Adjust the volume balance to minimize the difference in volume between strings, by playing all of the strings at the usual strength and lowering the SENS value for any string that is particularly loud.

* Use the mark positions as shown in the onscreen meter as a guide.

17. Press the [EXIT] button a number of times to return to the play screen (p. 12).

For other parameters, refer to "VG-800 Parameter Guide" (BOSS website).

Adjusting the volume

Use the [OUTPUT LEVEL] knob to adjust the overall volume.

Using the tuner

The VG-800 tuner features three modes: single mode for tuning individual strings, multi mode for determining the pitch of all strings at the same time, and TT mode for tuning guitars/bass guitars that use true temperament.

1. Press the [MENU] button.

2. Press the [◀] [▶] buttons to display "TUNER".

3. Press the [5] knob.

The tuner screen appears.

You can use the [◀] [▶] buttons to switch between tuner modes.

Multi mode

Single mode

TT mode

* This is a tuning mode for guitars that use True Temperament. It only allows for regular tuning.

MEMO

You can also press the [▼] and [▲] switches at the same time to show the tuner screen.

Tuner settings

Use the [2] and [3] knobs to make settings for the tuner.

Parameter		Value	Explanation
[2]	**PITCH**	435–445 Hz	Specifies the reference pitch.
[3]	**OUTPUT**	MUTE	Sound will not be output while tuning.
		BYPASS	While tuning, the sound of the guitar being input to the VG-800 is outputted without change.
		THRU	Lets you tune your guitar while outputting the sound of the current memory.

Playing

Selecting a memory

1. Use the [▼] switch or the [▲] switch to select a memory.

Memory name

Memory number
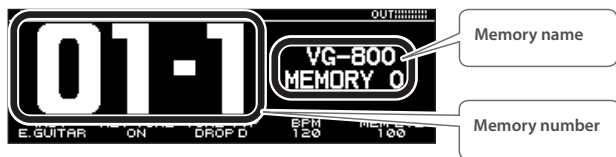
MEMO

You can also switch between memories by turning the [SELECT] knob.

You can switch between memories by using the banks (which contain three memories each) and numbers (1–3) in BANK/NUM mode.

For details, refer to "Selecting how to switch between memory numbers" (p. 18).

About the play screen

The screen that appears after you turn on the power is called the play screen.

The following three types of play screens are available. Use the [◀] [▶] buttons to switch between them.

Memory number displayed larger

Memory name displayed larger

Show functions assigned to the switches and other controls

Icons shown in the play screen

Areas which icons are displayed

Display	Explanation
IN ▯▯▯▯▯▯	Indicates the input level.
OUT ▯▯▯▯▯	Indicates the output level.
♩=120	Indicates the BPM.
◀◆●●●●●●●▶	Shows the page to which you've navigated (such as the MENU screen) using the [◀] [▶] buttons.

MEMO

You can change the parameters that are assigned to the [1]–[5] knobs when the play screen is shown.

For details, refer to "Assigning the desired parameters to the [1]–[5] knobs (KNOB SETTING)" (p. 17).

Using only the INST (modeling) sound (FX BYPASS)

You can bypass all effects to check just the INST (modeling) sound or to make settings.

You can also use just the VG-800 modeling sound to create sounds in combination with an external amp and effects.

1. Press both the [▲] and the [CTL 1] switches at the same time to enable FX BYPASS.

"FX BYPASS" is shown onscreen.

To disable FX BYPASS, press the [▲] and [CTL 1] switches at the same time again.

Editing: INST

Basic operations for editing the INST

On the INST edit screen, you can select the modeling sounds and configure alternate tunings.

Changing the INST

Here's how to select the INST on which the sound you create is based.

* For details on the INST types, refer to the "VG-800 Parameter Guide" (BOSS website).

1. Press the [INST] button.

The INST edit screen appears.

2. Turn the [SELECT] knob to move the cursor to the first parameter.

3. Turn the [1] knob to select the INST.

* You can turn the INST on/off by pressing the [SELECT] knob.

Editing the INST

Here's how to make detailed edits to an INST.

This explanation uses the edit screens for the E.GUITAR INST type as an example.

* For details on the parameter, refer to the "VG-800 Parameter Guide" (BOSS website).

1. Press the [INST] button.

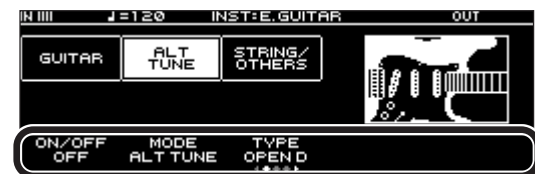The INST edit screen appears.

2. Turn the [SELECT] knob to move the cursor to the parameter you want to set.

Select "ALT TUNE" here.

3. Turn the [1]–[5] knobs to adjust the parameters that are shown at the bottom of the screen.

Use the [◀] [▶] buttons to switch between the parameters that you want to edit. The current page is indicated in the lower center of the screen.

* To change a value in larger steps, turn a knob while pressing it.

* The number of parameters and pages differs with each setting.

Editing: EFFECTS

Editing the effects

You can configure the effect settings and sort the block arrangement (effect chain).

For details on the parameters, refer to the "VG-800 Parameter Guide" (BOSS website).

Basic operations for effect editing

You can turn effects on/off and adjust the parameters for the block.

1. Press the [EFFECTS] button.

The effect edit screen (effect chain) appears.

2. Turn the [SELECT] knob to select the block that you want to edit.

The selected block is enclosed by a thick border.

Selected   Not selected

* Press the [SELECT] knob to turn the selected effect on/off. Effects that are off are shown in gray. When an effect is turned on, it is shown in white.

Off   On

3. Turn the [1]–[5] knobs to adjust the parameters that are shown at the bottom of the screen.

Use the [◀] [▶] buttons to switch between the parameters that you want to edit. The current page is indicated in the lower center of the screen.

* To change a value in larger steps, turn a knob while pressing it.

* The number of parameters and pages differs depending on the effect.

Sorting effects

By moving blocks such as effects, output, and send/return, you can freely change the order in which the effects are placed, or arrange them in parallel.

1. Press the [EFFECTS] button.

The effect edit screen (effect chain) appears.
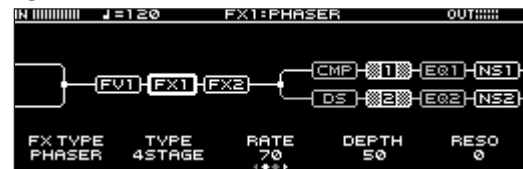

2. Turn the [SELECT] knob to select the block that you want to move.

3. Turn the [SELECT] knob while holding it down.

The selected block moves left or right.

The block moves left when you turn the [SELECT] knob counterclockwise, and the block moves right when you turn the [SELECT] knob clockwise.

* The example screen shows the FX1 block being moved to the right.

14
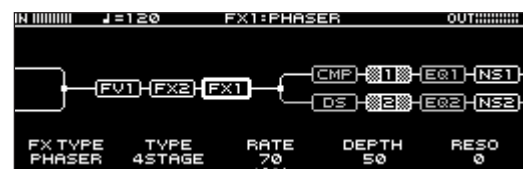
Configuring the control assignments (CONTROL ASSIGN)

A variety of functions can be assigned to the [▼] , [▲] and [CTL1] switches on the top panel, as well as to the expression pedals or footswitches that are connected to the CTL 2, 3/EXP 1 and CTL 4, 5/ EXP 2 jacks on the rear panel.

* For details, refer to the "VG-800 Parameter Guide" (BOSS website).

* The [▼], [▲] and [CTL1] switch LEDs on the top panel may either light up or blink, depending on the function you've assigned.

Setting the control functions (CONTROL FUNCTION)

1. Press the [MENU] button.

The MENU screen appears.

2. Press the [1] knob.

The CONTROL/ASSIGN screen appears.

3. Press the [1] knob.

The CONTROL FUNCTION screen appears.

4. Turn the [SELECT] knob or the the [1] knob to select the item that you want to set.

Turning the knob moves the selected item vertically.

The settings of the selected item can now be edited.

5. Turn the [2]–[5] knobs to edit the value of the item selected for each switch.

If necessary, use the [◀] [▶] buttons to switch between the setting pages.

* The footswitch and expression pedal functions must be specified for each memory. However, if you set "PREF (PREFERENCE)" to SYSTEM, all memories use those functions in common.

Setting the assign functions (ASSIGN SETTING)

1. Press the [MENU] button.

The MENU screen appears.

2. Press the [1] knob.

The CONTROL/ASSIGN screen appears.

3. Press the [2] knob.

The ASSIGN SETTING screen appears.

4. Turn the [SELECT] knob or the the [1] knob to select the item that you want to set.

Turning the knob moves the selected item vertically.

The settings of the selected item can now be edited.

5. Press the [SELECT] knob or the [1] knob to turn the switch on.

6. Turn the [1]–[5] knobs to configure the parameters.

If necessary, use the [◀] [▶] buttons to switch between the setting pages.

Use SOURCE to specify the pedal to be operated, the MIDI message or other source.

* When TARGET is shown, press the [2] or [3] knob to show the parameters as a list.

Saving to memory (WRITE)

When you want to save your edits, follow the steps below to save them as a memory.

If you don't save the memory, the edited settings are lost when you turn off the power or switch to another memory.

1. Press the [EXIT] and [▶] buttons at the same time.

The WRITE screen appears.

```
WRITE
WRITE  EXCHANGE INITIALIZE  INSERT
```

2. Press the [1] knob.

The MEMORY NAME screen appears.

```
WRITE>MEMORY NAME              SELECT :EXECUTE

        01-1 INIT  MEMORY

     _ABCDEFGHIJKLMNOPQRSTUVWXYZ

01-1
INIT MEMORY              DELETE        INSERT
WRITE TO                 Aa0!          A<>a        CHAR
```

3. Turn the [1] knob to select the memory number to which you want to save.

You can use the [3]–[5] knobs and the [SELECT] knob to edit the name.

Editing a name

To edit a memory's name, use the [SELECT] knob to move the cursor and the [5] knob to change the character.

Controller	Action
Turn the [3] knob	Selects the character type
Press the [3] knob	Deletes one character (delete)
Turn the [4] knob	Toggles uppercase/lowercase
Press the [4] knob	Inserts one space (insert)
Turn the [5] knob	Changes the character
Turn the [SELECT] knob	Moves the cursor

4. Press the [SELECT] knob.

The memory is now written.

WRITE MENU functions

Menu	Function
WRITE	Saves the memory you created.
EXCHANGE	You can "swap" or exchange the positions of the memories to change their order.
INITIALIZE	You can restore (initialize) each effect in a user memory to its standard settings. This is useful when you want to create a new memory from scratch.
INSERT	You can insert a memory into any position within the memories. For example, if you insert memory U01-1 at U02-1, memory U02-1 and the subsequent memory numbers are shifted (renumbered) up by one. (In this case, memory U02-1 becomes U02-2.)

Editing: MENU

Basic menu operations

Here you can make settings that are common to the entire VG-800 (system parameters).

* For details on the parameter, refer to the "VG-800 Parameter Guide" (BOSS website).

1. Press the [MENU] button.

The MENU screen appears.

* You can use the PAGE [◄] [►] buttons to see additional items.

2. Press one of the the [1]–[5] knobs to select the item that you want to edit.

A sub-menu appears.

* The screen example here shows the MIDI sub-menu.

3. Press one of the the [1]–[5] knobs to select the item that you want to edit.

4. Turn the [1]–[5] knobs and the [SELECT] knob to select parameters or edit the values.

* To change a value in larger steps, turn a knob while pressing it.

* The method of selecting parameters or editing values differs depending on the item. For details, refer to the "VG-800 Parameter Guide" (BOSS website).

Assigning the desired parameters to the [1]–[5] knobs (KNOB SETTING)

You can assign the parameters to be controlled by the [1]–[5] knobs when the play screen is shown.

1. Select [MENU]→ "HARDWARE SETTING" → "KNOB".

2. Turn the [1]–[5] knobs to set the parameters to assign to each knob.

* Press the [1]–[5] knobs to show the parameters as a list.

3. Press the [EXIT] button a number of times to return to the play screen.

Adjusting the contrast (brightness) of the display

You can adjust the brightness of the display.

1. Select [MENU]→ "HARDWARE SETTING" →"OTHER".

2. Adjust the contrast with the [1] knob.

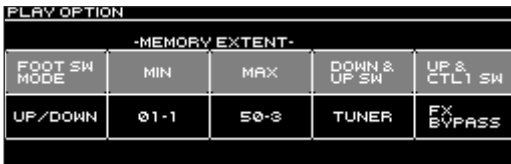# Selecting how to switch between memory numbers

There are two different ways to switch between memories on the VG-800.

You can use the [▼] and [▲] switches to switch between memories sequentially, or you can select the bank (group of three memories) and number (1–3) as a combination.

1. Select [MENU]→ "PLAY OPTION".

2. Turn the [1] knob to select the mode.

Value	Explanation
UP/DOWN	Use this mode to switch consecutively between the memories stored in this unit. Press the [▼] switch to switch to the previous memory. Press the [▲] switch to switch to the next memory.
BANK/NUM	Use this mode to switch between the three memories stored in this unit. Press the [▼] switch to switch to the first memory in the bank. Press the [▲] switch to switch to the second memory in the bank. Press the [CTL1] switch to switch to the third memory in the bank. Press the [▼] and [▲] switches at the same time to switch to the previous bank. Press the [▲] and [CTL1] switches at the same time to switch to the next bank.

Using serial GK to transmit/receive audio signals (GK AUDIO)

You can transmit the output sound from the VG-800 (stereo audio) to another VG-800 or other serial GK device, or mix the audio signal from another serial GK device with the sound of this unit.

1. Select [MENU] → "IN/OUT SETTING" → "GK AUDIO".

2. Turn the [1]–[3] knobs to configure the parameters.

Parameter	Value	Explanation
AUDIO MODE		Selects the GK AUDIO signal flow.
	OFF	GK AUDIO is not used.
	MIX	The serial GK audio signal that's input to the GK IN jack of this unit is mixed with this unit's stereo output. The mixed audio signal is sent to the serial GK device that's connected to the GK OUT jack of this unit.
	OUT	The stereo output of this unit is sent to the serial GK device that's connected to the GK OUT jack of this unit.
	THRU	The serial GK audio signal that's input to the GK IN jack of this unit is sent to the serial GK device that's connected to the GK OUT jack of this unit.
MIX LEVEL	0–200	Adjusts the level of audio signal input to the GK IN jack on this unit.
OUT LEVEL	0–200	Adjusts the level of audio signal output from the GK OUT jack on this unit.

MEMO

The setting can also be changed for each memory. For details, refer to the "VG-800 Parameter Guide" (BOSS website).

Restoring the factory settings (factory reset)

Restoring the VG-800's settings to their original factory settings is called a "factory reset".

You can restore all of the settings to their factory-set values, or you can specify only certain items to be reset.

* All settings and sound data (memories) that you have edited are lost once the factory reset is executed. Use the dedicated software to save the data you need to your computer or other device.

1. Select [MENU]→"FACTORY RESET".

2. Turn the [1] and [5] knobs to specify the factory reset range.

Knob	Parameter	Value	Explanation
[1]	FROM	SYSTEM	System parameter settings
[5]	TO	01-1–50-3	Settings for memory numbers 01-1 through 50-3

3. Press the [SELECT] knob.

A confirmation message appears.

4. Press the [5] knob and select "OK".

This executes the factory reset.

To cancel the factory reset, press the [4] knob and select "CANCEL".

Once the factory reset is complete, the unit returns to the play screen.

* Never turn off the power while the "Executing…" message is shown, which indicates that the unit is still processing.
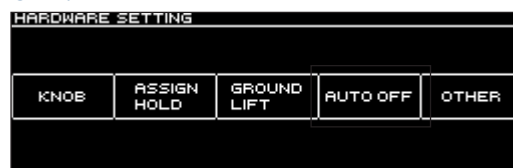
Setting the auto off function

The VG-800 can turn off its power automatically.

The power turns off automatically when 20 minutes (the factory setting) have passed since you last played or operated the unit.
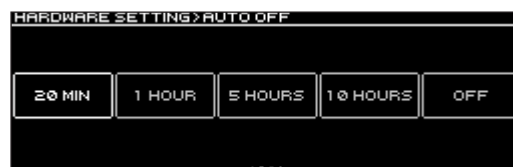
If you want to always leave the power on, make the settings by following the steps below.

Note that when the setting is turned off, the unit may consume more power.

1. Select [MENU]→"HARDWARE SETTING"→"AUTO OFF".

2. Press the [1]–[5] knobs to set the AUTO OFF function.

Value	Explanation
20 MIN (default value)	The power turns off automatically after you have not played your instrument or operated the unit for a certain amount of time (20 min., 1 hr., 5 hr., 10 hr.).
1 HOUR	
5 HOURS	
10 HOURS	
OFF	The power does not turn off automatically.

A confirmation message appears if you select a value besides "20 MIN".

**3. Press the the [5] knob and select "OK".**

MEMO

If you set AUTO OFF to "20 MIN", "1 HOUR", "5 HOURS" or "10 HOURS", the time remaining (in minutes) before the unit turns off is shown from five minutes prior to shutdown. A countdown begins at the one-minute mark. The screen returns to the previous state once you operate the unit or play your instrument.

Connecting to a computer

Connecting a computer (USB COMPUTER port)

Connecting the VG-800 to a computer via USB lets you do the following.

USB COMPUTER port
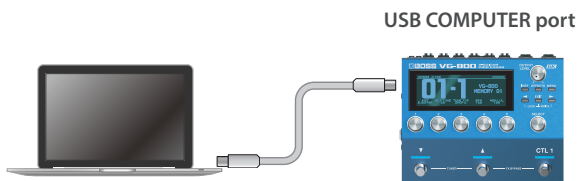
- Transmit and receive digital audio signals between the computer and this unit
- Use the dedicated software to edit and manage memories from your computer
- Download memories from the dedicated website
  ➡ **http://bosstonecentral.com/**

* Do not use a USB Type-C® cable that is designed only for charging a device. Charge-only cables cannot transmit data.

Installing the USB driver

You must install the USB driver before connecting to a computer.

Download the USB driver from the BOSS website.

Install the USB driver before making a USB connection.

For details, refer to the "Readme.htm" file included with the download.

➡ **https://www.boss.info/support/**

The program you need to use, and the steps you need to take to install the USB driver will differ depending on your computer setup, so please carefully read and refer to the "Readme.htm" file that comes with the download.

Using this unit as an audio interface

You can record the sound of the VG-800 to your computer, or output the sound from your computer via the OUTPUT jacks of the VG-800.

* For details of the audio signal flow when connected via USB and instructions on how to make settings, refer to the "VG-800 Parameter Guide" (BOSS website).

* Refer to the instruction manual for the software you are using to learn how to switch the input source of the software.

Using the VG-800's dedicated software

Please download the dedicated software from the BOSS website shown below. For details on how to use the software, refer to the "Readme.htm" file that comes with the download.

➡ **https://www.boss.info/support/**

Using the dedicated software lets you do the following:

- Easily download the memories available on the dedicated website for use on this unit.
- Edit the memory settings.
- Assign names to the memories.
- Sort memories and switch them around.
- Back up memories and system settings, and restore these backup settings to this unit.

Connecting with an external MIDI device

With the VG-800, you can connect to an external MIDI device to perform the following operations.

Controlling an external MIDI device from the VG-800

Operation	Explanation
Outputting program change messages	When you select a memory on the VG-800, either the program change message that's set in MEMORY MIDI or the program change message that corresponds to the memory number you selected is transmitted at the same time. This lets you use this unit to switch the sounds of your external MIDI device. For details, refer to the "VG-800 Parameter Guide" (BOSS website).
Outputting control change messages	Control change messages can be output when you operate the following controls: [CTL 1] switch, footswitches/ expression pedals connected to the CTL 2, 3/EXP 1 or CTL 4, 5/EXP 2 jacks, [S1] or [S2] button on the divided pickup, and the GK volume. You can also control the parameters and other data of an external MIDI device. For details, refer to the "VG-800 Parameter Guide" (BOSS website).
Outputting performance data	Guitar or bass guitar performance data is transmitted as note or pitch bend data. You can use this data to play a synthesizer sound module or other connected device. To use GUITAR/BASS TO MIDI, set the parameters that are used for each memory, such as pitch bend data, and the system parameter that works system-wide for the VG-800 (GUITAR/BASS TO MIDI ON/OFF) to "ON". For details, refer to the "VG-800 Parameter Guide" (BOSS website).

Controlling the VG-800 from an external MIDI device

What you can do	Explanation
Switch between memory numbers	The unit receives program change messages from external MIDI devices. This lets you use an external MIDI device to switch between memories on the VG-800. For details, refer to the "VG-800 Parameter Guide" (BOSS website).
Receive control change messages	The unit receives control change messages from an external MIDI device. You can also control the parameters of the VG-800 from an external MIDI device. For details, refer to the "VG-800 Parameter Guide" (BOSS website).

Main specifications

Dimensions	Without rubber foot: 173 (W) x 135 (D) x 63 (H) mm 6-13/16 (W) x 5-3/8 (D) x 2-12 (H) inches	Including rubber foot: 173 (W) x 135 (D) x 65 (H) mm 6-13/16 (W) x 5-3/8 (D) x 2-9/16 (H) inches
Weight (excluding AC adaptor)	920 g 2 lbs 1 oz	
Accessories	AC adaptor (PSB-1U + AC Cord Set) Quick Start Leaflet "Read Me First" Rubber foot x 4	
Options (sold separately)	Divided pickup: GK-5 (for guitar), GK-5B (for bass guitar) Serial GK cable: BGK-3 (3 ft./1 m), BGK-15 (15 ft./4.5 m), BGK-30 (30 ft./9 m), GK converter: GKC-DA, GKC-AD Footswitch: FS-5U, FS-5L, FS-6, FS-7 Expression Pedal: EV-30, FV-500L, FV-500H, Roland EV-5 TRS/MIDI cable: BMIDI-5-35, BMIDI-1-35, BMIDI-2-35, BCC-1-3535, BCC-2-3535	

* 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.