

NEURIG

Amp & Effects Neural Modeler for Guitar



Operation Manual

You must read the Usage and Safety Precautions before use.

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Proper display is not possible on grayscale devices.

Notes about this Operation Manual

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Terms used in this manual

Rig

Rigs store effects and amps used, effect on/off states, and parameter setting values, allowing easy recall. Effects are saved and recalled in units of Rigs. A single Rig can include up to 14 effects. Up to 200 Rigs can be saved.

Effects

The available effects include various guitar effects and amp/cabinet simulation models. You can select which of these effects to add to Rigs.

Impulse response (IR) and Neural Amp Modeler (NAM) files can also be registered as effects.

Program

The combination of the on/off states and parameter settings of the effects in a Rig is called a "Program," and up to four Programs can be stored in a Rig.

Programs can be switched easily by pressing a footswitch.

Auto Save

This function automatically saves changes to Rig and effect settings.

ECO mode

This function will automatically turn the power off 10 hours after the last operation.

Looper

A phrase up to 45 seconds can be recorded and played back repeatedly.

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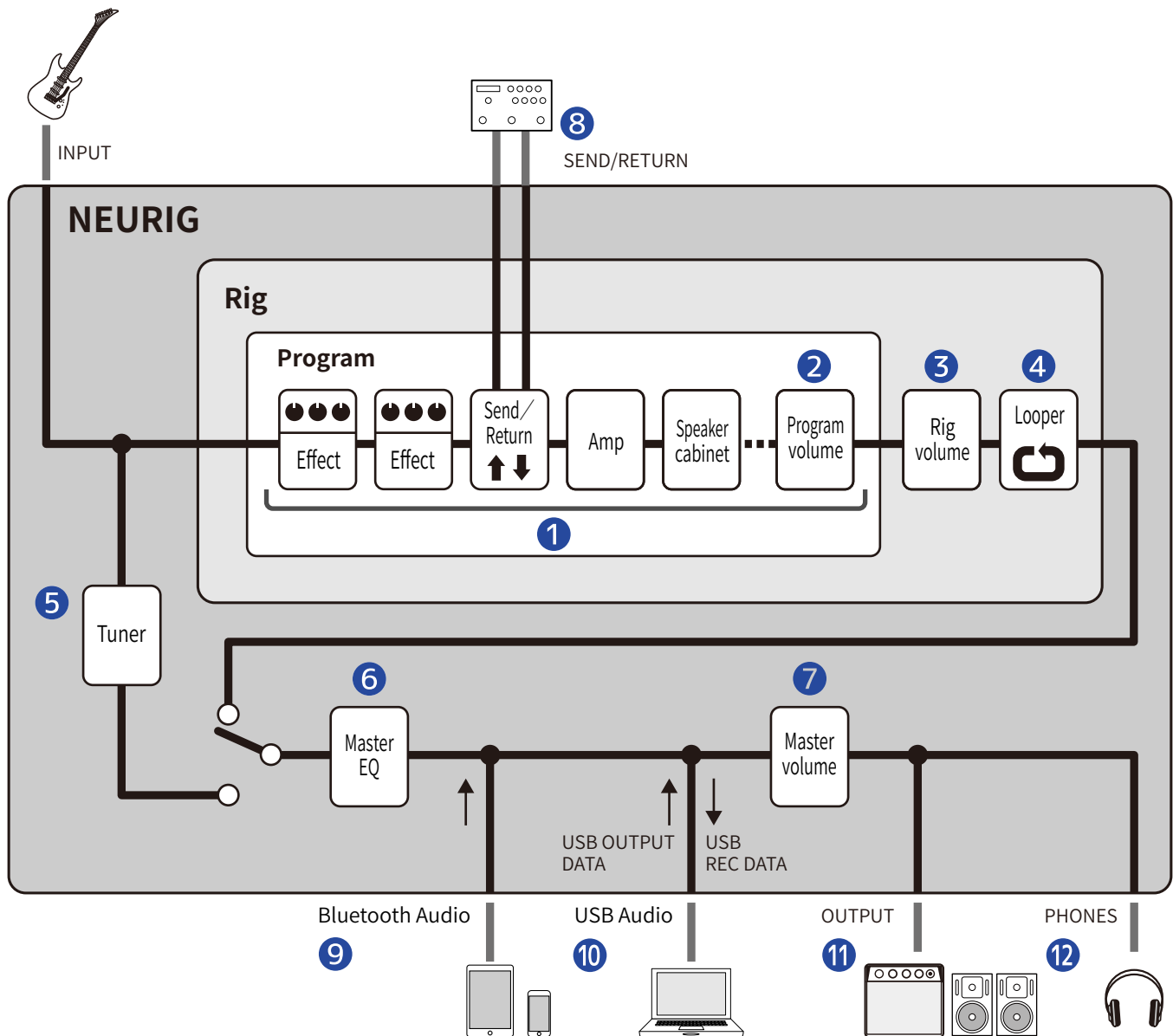
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NEURIG overview

Signal flow



1 Effects

The input guitar sound passes through effects registered in the Rig in order. With NEURIG, you can freely combine 14 effects. (→ [Adjusting effects](#))

2 Program volume

When Program mode is selected, you can adjust the volume of each Program separately. (→ [Adjusting the Program volume](#))

3 Rig volume

You can adjust the volume of each Rig separately. (→ [Adjusting the Rig volume](#))

4 Looper

Recorded loops can be played back. (→ [Using the looper](#))

5 Tuner

Use this to tune the connected guitar. (→ [Using the tuner](#))

6 Master EQ

This adjusts the overall tonal character. This setting is retained even when the Rig is changed. (→ [Adjusting the Master EQ](#))

7 Master Volume

This adjusts the overall volume. This setting is retained even when the Rig is changed. (→ [Adjusting the Master Volume](#))

8 SEND/RETURN

You can use external effects units or connect to an amp using the four-cable method. (→ [Using Send/Return](#))

9 Bluetooth input

Playing streaming music from smartphone/tablet. (→ [Playing streaming music from smartphone/tablet](#))

10 USB AUDIO

Data can be exchanged with computers and smartphones/tablets using the audio interface function. (→ [Using audio interface functions](#))

11 OUTPUT

An amp or powered monitors can be connected.

12 PHONES

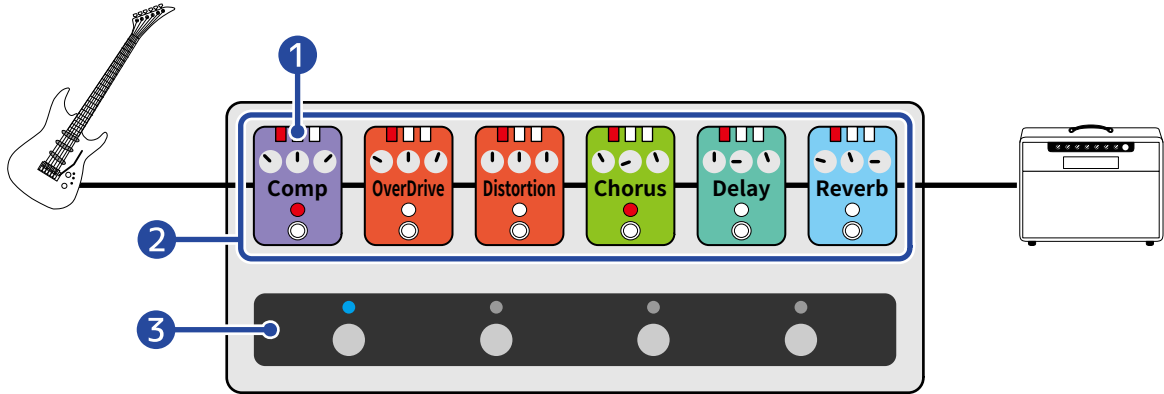
Connect headphones here.

What is a Rig? (Virtual pedalboard)

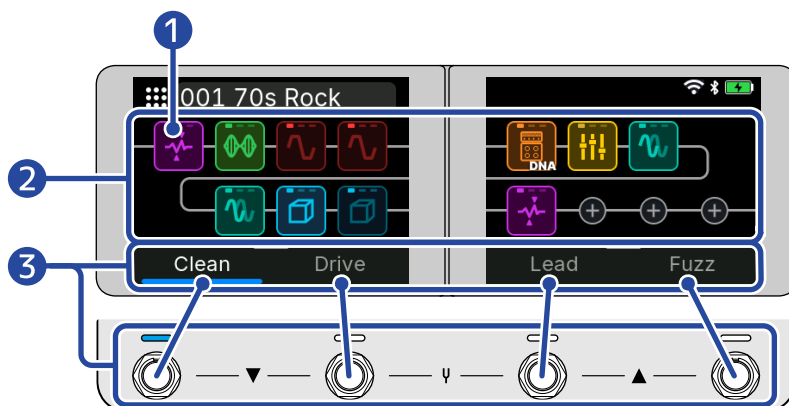
In NEURIG, a virtual pedalboard laying effects, amps, cabinets, programmable switchers, and others for your performance is called a “Rig.”

You can store 200 Rigs. Use the footswitches to select a Rig. (→ [Switching Rigs while playing](#))

■ Typical pedalboard



■ NEURIG



- 1 Types of effects or amps
- 2 Order of effects and amps
- 3 Footswitches to selects the on/off state and parameter settings of each effect

Programmable switcher

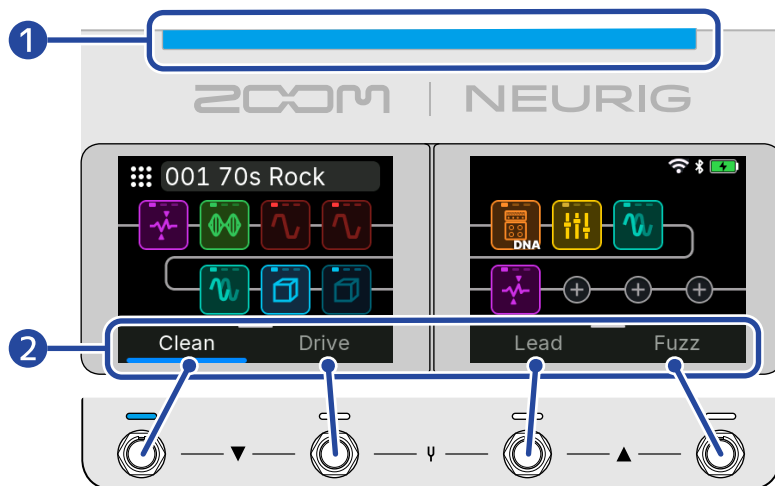
A programmable switcher allows you to control the on/off state and parameter settings of multiple effects and amps with a single footswitch.

Two different Rig modes

NEURIG has two Rig modes that can be used for different purposes. (→ [Switching Rig modes](#))

■ Program mode

This mode operates as if a programmable switcher is integrated into the pedalboard.



1 In Program mode, the status indicator lights blue

2 Program name

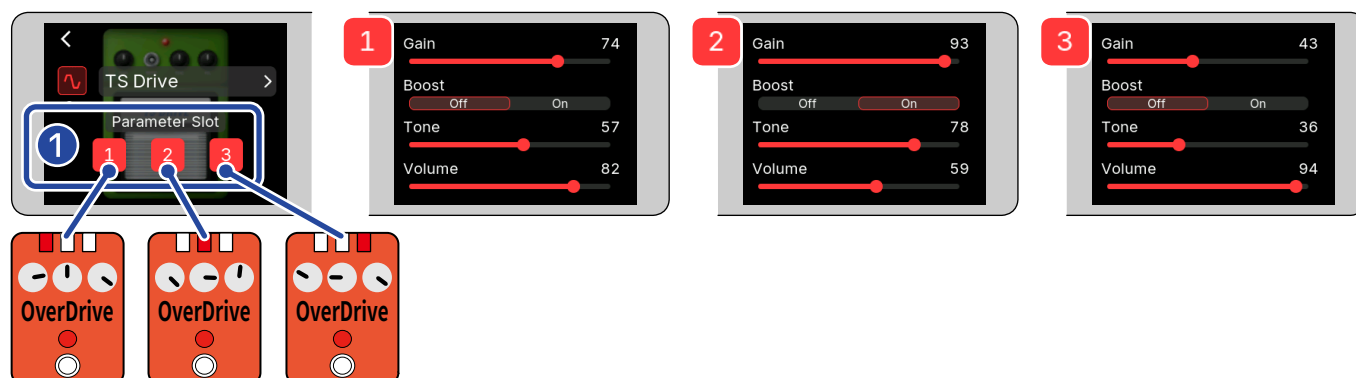
What is a Program?

Up to four on/off states of effects or Parameter Slot selections can be stored in a Rig. Programs can be recalled with a footswitch.

What is a Parameter Slot?

Up to three parameter settings can be registered for one effect. These three are called “Parameter Slot (1 to 3).”

The Parameter Slot is available for each effect. Touching an effect icon and selecting a Parameter Slot allow you to adjust parameters.



1 Parameter Slot

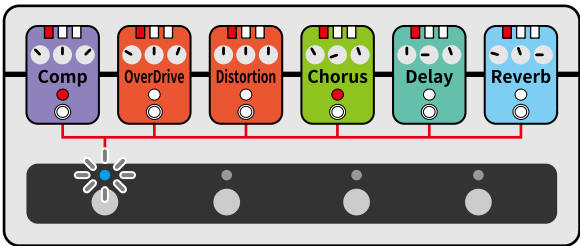
Program settings example

It is convenient to assign Programs to the footswitches in sequence according to the song you play. For example, set a clean sound (Clean) for the introduction, a lightly distorted sound (Crunch) for the verse, a deeply distorted sound (Drive) for the chorus, and a sound with delay and reverb (Lead) for the guitar solo.

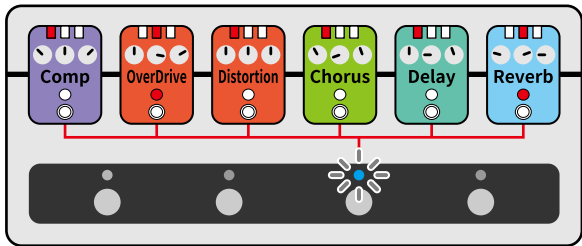
The following example shows the on/off state of each effect and which Parameter Slot to use.

Program	Effects on the Rig					
	Comp	OverDrive	Distortion	Chorus	Delay	Reverb
Clean	ON Slot 1	OFF	OFF	ON Slot 1 subtle chorus	OFF	OFF
Crunch	ON Slot 1	ON Slot 1 light drive	OFF	OFF	OFF	ON Slot 1 short reverb
Drive	OFF	ON Slot 2 heavy drive	OFF	OFF	OFF	ON Slot 2 bright reverb
Lead	OFF	OFF	ON Slot 1 heavy distortion	ON Slot 1 subtle chorus	ON Slot 1 300 ms delay	ON Slot 3 rich reverb

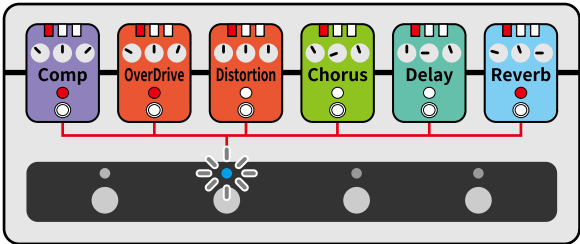
Program: Clean



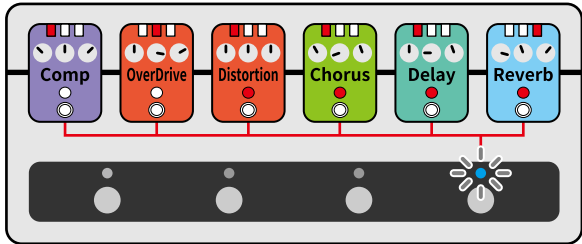
Program: Drive



Program: Crunch



Program: Lead

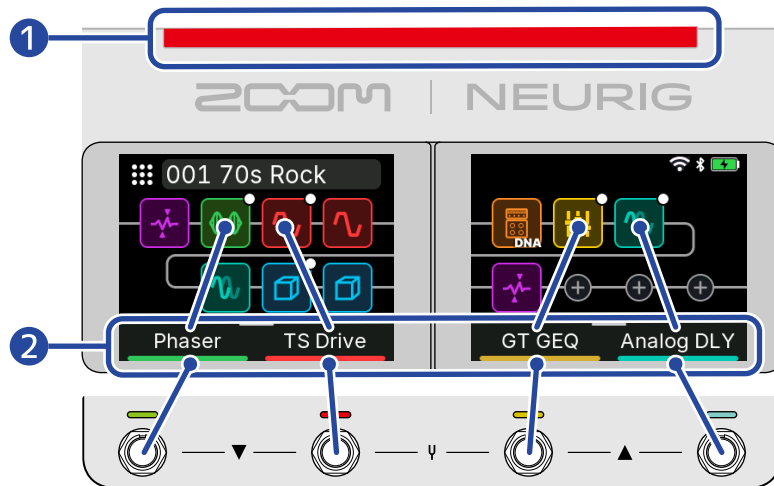


HINT

When two or more Programs are selected for the same Parameter Slot, adjusting parameters will also change the sound of all Programs selected for the same slot. If you want to change the sound of each Program, select another slot and then adjust parameters.

■ Stomp mode

Each footswitch controls the on/off state of an effect or amp in the Rig.



1 In Stomp mode, the status indicator lights red

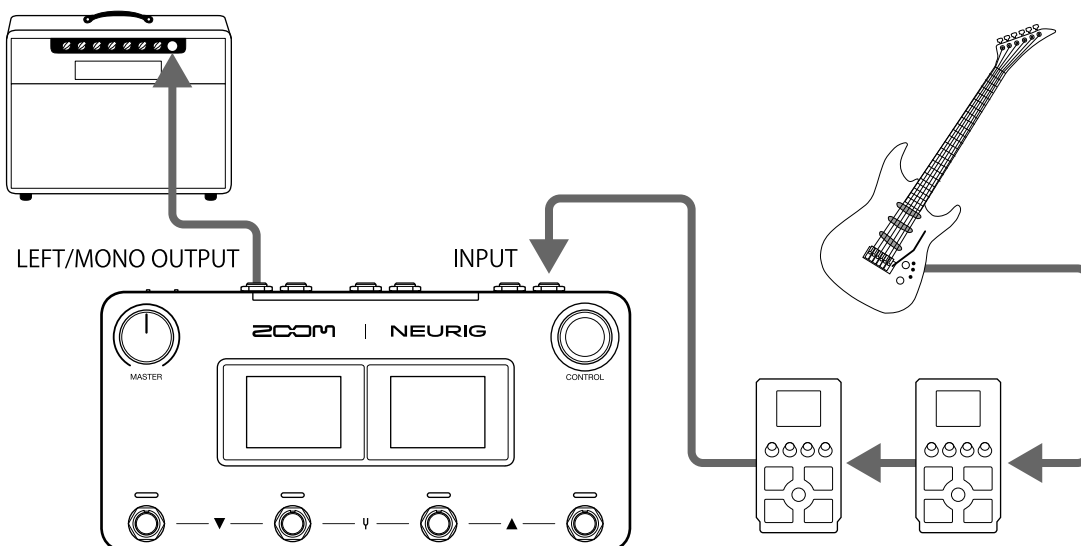
2 Effect names that can be turned on/off and position in the Rig

Connection and usage example

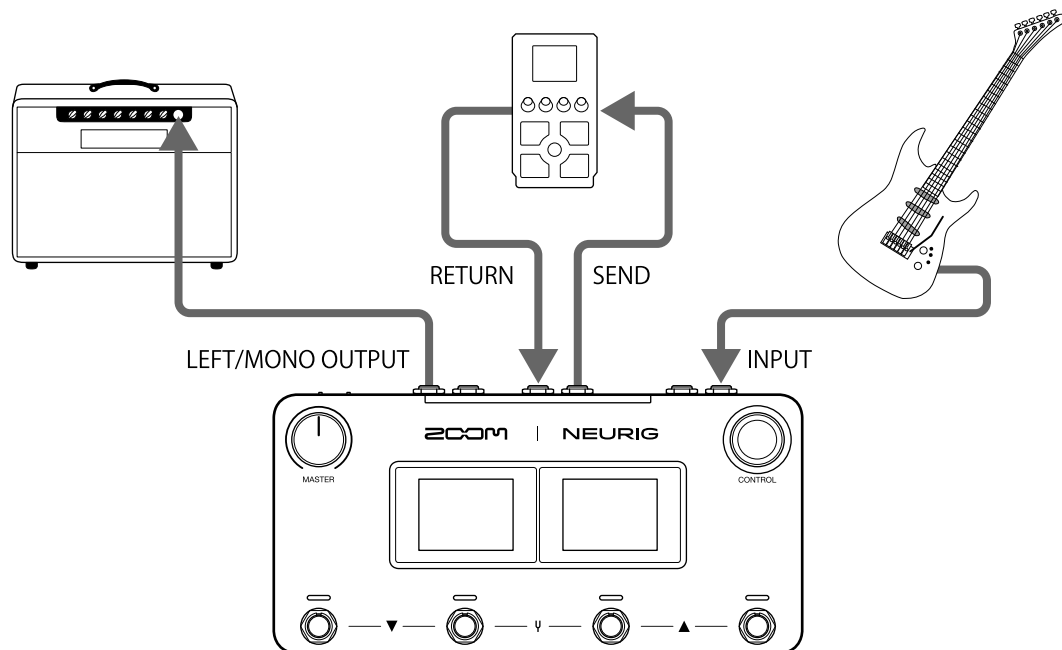
In addition to the stereo OUTPUT jacks, NEURIG also features the SUB IN/OUT and SEND/RETURN jacks, allowing for a variety of applications depending on the situation.

Connecting with external effects units

If you want to use familiar preamps or distortion pedals, you can connect them before NEURIG and use NEURIG as a dedicated spatial or modulation effect board.



If you want to use overdrive, fuzz, or distortion pedals along with NEURIG, you can connect them to SEND/RETURN jacks to use your favorite pedals as virtual effects in NEURIG.

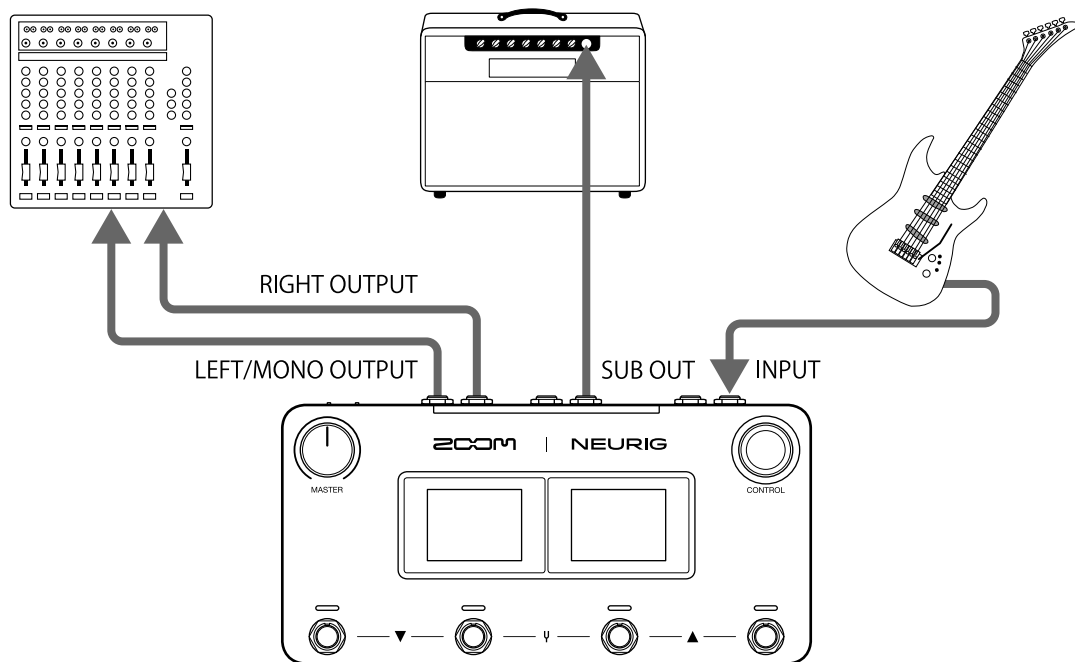


For the Send/Return settings, see "[Using Send/Return.](#)"

Using a guitar amp as a monitor on the stage while supplying stereo output to the PA

If you want to play an expansive sound on stage, connect the NEURIG stereo OUTPUT to the PA mixer and play the guitar sound in stereo from the PA speakers.

At the same time, you can connect the NEURIG's SUB OUT to a guitar amp on the stage to monitor the guitar sound.

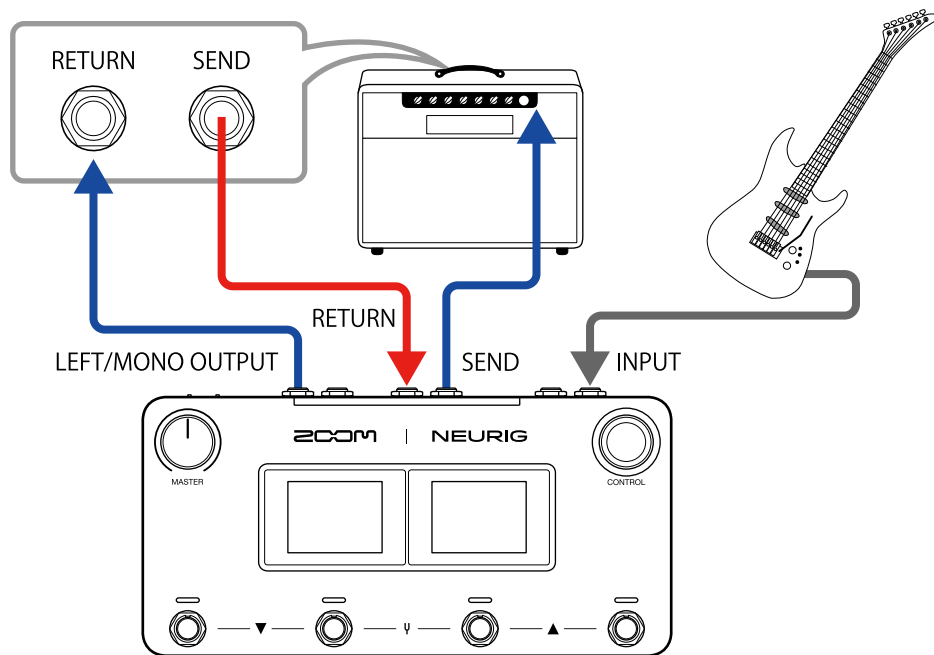


For the SUB OUT settings, see ["Using SUB IN/OUT jacks."](#)

Connecting with four-cable method

The four-cable method allows you to use the preamp section of an actual guitar amp on NEURIG. By placing the preamp of a guitar amp inside NEURIG, you can place distortion effects before the preamp, and spatial or modulation effects after the preamp.

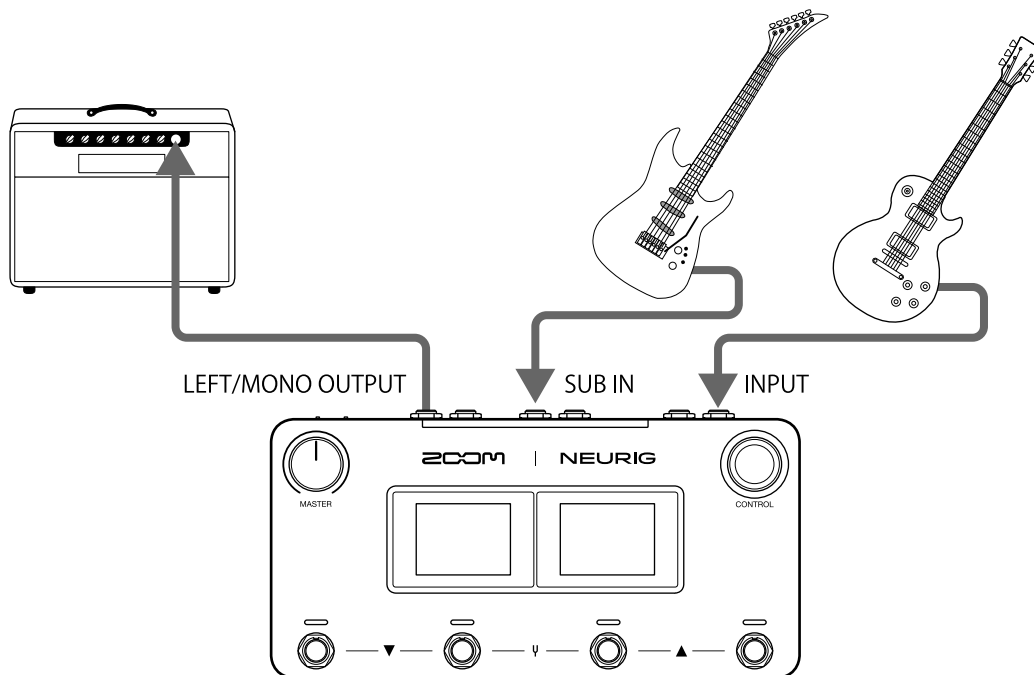
The output sound of NEURIG can be played through the power amp and speakers of the guitar amp.



For the four-cable method settings, see [“Using NEURIG with four-cable method.”](#)

Switching between two guitars

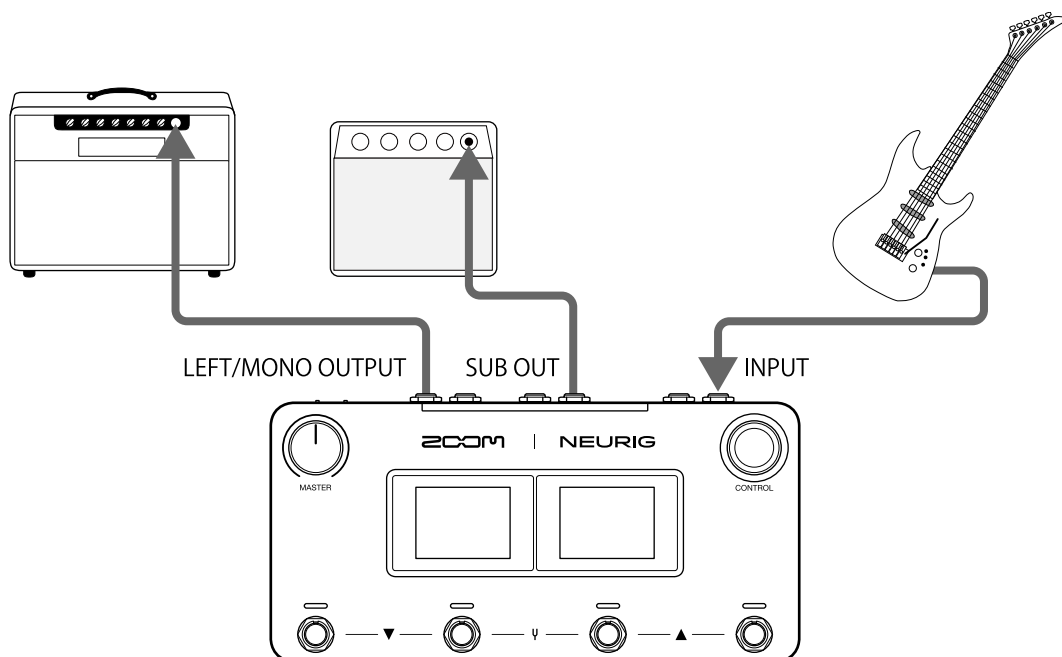
If you are using two guitars with different characteristics, such as a six-string guitar, a seven-string guitar, or a 12-string guitar, you can connect the second guitar to NEURIG using the SUB IN jack. This allows you to perform with a single NEURIG unit while switching between guitars.



For the SUB IN settings, see ["Using SUB IN/OUT jacks."](#)

Connecting to two guitar amps

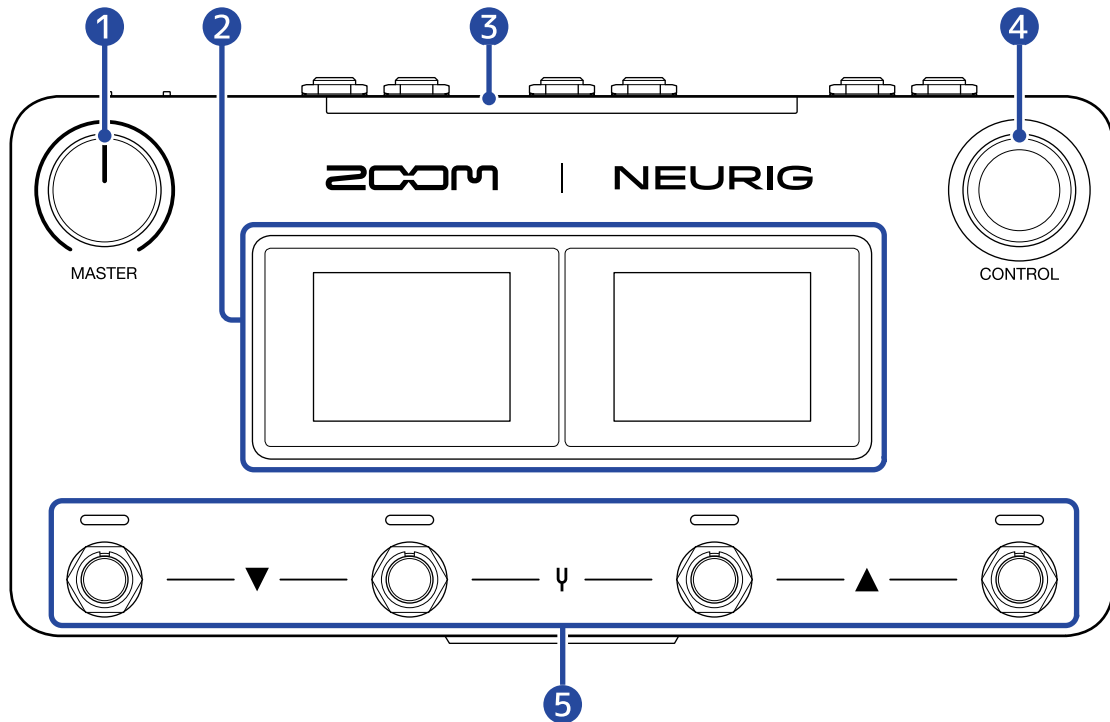
You can also connect a second amp to the SUB OUT jack and play while switching amps, or you can play two amps simultaneously.



For the SUB OUT settings, see ["Using SUB IN/OUT jacks."](#)

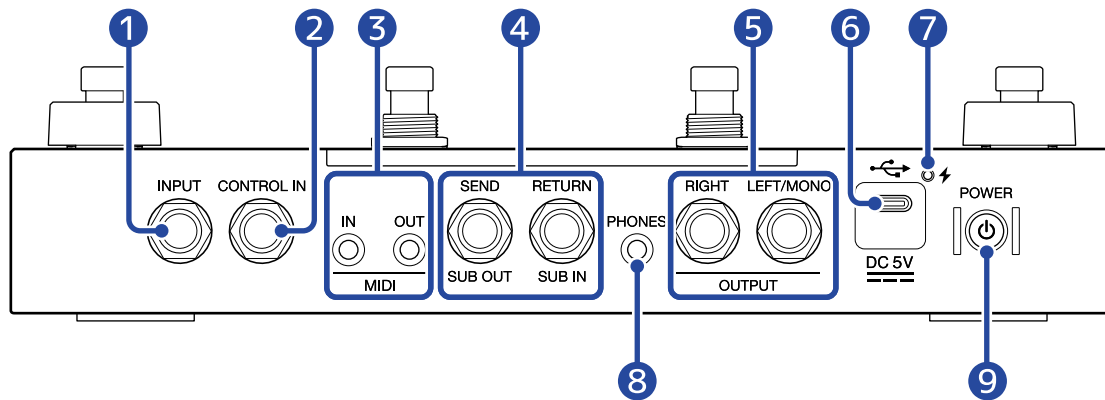
Functions of parts

Top



- 1 MASTER knob**
This adjusts the output volume of NEURIG.
- 2 Dual-touch screen**
This shows Rig names, effects in the Rig, Program names, parameter values, etc.
Settings can be configured by touch operation.
- 3 Status indicator**
This indicates the Rig mode, tuning pitch, etc.
- 4 CONTROL knob**
Turn the knob to select setting items or adjust parameters and press the knob to apply the setting.
- 5 Footswitches/indicators**
They select Rigs and Programs, turn effects on/off, operate the looper, etc.
By assigning a function, you can also use them for setting tap tempo, bypassing, and displaying the Looper Screen. (→ [Setting functions controlled by footswitches](#))

Back



1 INPUT jack

Connect a guitar here.

2 CONTROL IN jack

Connect an expression pedal (ZOOM FP02M) or a footswitch (ZOOM FS01) here and use it to control effects.

3 MIDI connectors

Use 3.5 mm MIDI cables to connect MIDI devices.

- OUT jack: Connect to the MIDI IN connector of a MIDI device.
- IN jack: Connect to the MIDI OUT connector of a MIDI device.

4 SEND jack/RETURN jack/SUB IN jack/SUB OUT jack

Connect an external device.

- SEND/SUB OUT jack
 - For effects loop: Connect to the INPUT jack of an external effects unit.
 - For sub-outputs: Connect to the INPUT jack, or the like, of an external output device.
 - For four-cable method: Connect to the guitar input of the amp.
- RETURN/SUB IN jack
 - For effects loop: Connect to the OUTPUT jack of an external effects unit.
 - For sub-inputs: Connect to the OUTPUT jack, or the like, of a musical instrument.
 - For four-cable method: Connect to the SEND jack of the amp.

5 OUTPUT jacks

Connect a guitar amp or powered monitors here.

- RIGHT jack: For stereo output, connect to the input jack (right channel) of the connected device.
- LEFT/MONO jack: Connect to a guitar amp. For stereo output, connect to the input jack (left channel) of the connected device.

6 USB (Type-C) port

NEURIG will charge when connected to a computer or USB (Type-C) power supply.

This supports operation on USB bus power.

Connected to a computer, smartphone, or tablet, NEURIG can be used as an audio interface.

7 Charging indicator

Lights while charging. Goes off when charging is complete.

8 PHONES output jack

Connect headphones here.

9 POWER button

This turns the power on/off.

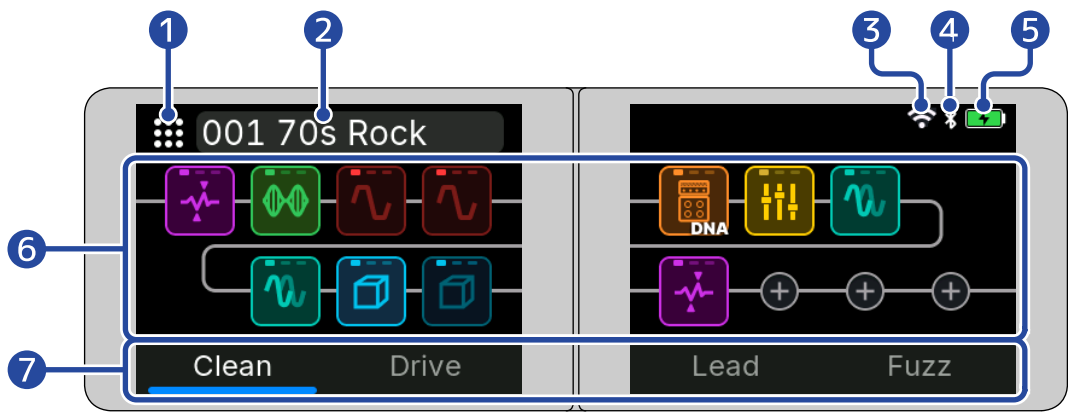
Notes about the dual-touch screen

The dual-touch screen is used for the NEURIG operation and settings.

Major screens displayed on the dual-touch screen

HOME Screen

The screens become active when the power is turned on.
The selected Rig is displayed, allowing you to see the status of the Rig, effects, and so on.
When the HOME Screen is displayed, you can select Rigs or effects by pressing the footswitches.



- 1 Menu icon**
Displays the [Rig Menu Screen](#) .
- 2 Selected Rig number/name (→ [Selecting a Rig](#))**
Touch the Rig name to display the Rig List Screen, where you can manage the Rigs, such as changing the order of the Rigs. (→ [Managing Rigs](#))
- 3 Wi-Fi icon**
Displayed while a Wi-Fi connection is established.
- 4 Bluetooth icon**
Displayed while a Bluetooth connection is established.
- 5 Battery level**
Indicates the remaining battery level of the built-in lithium-ion battery. If the battery level is low, connect a USB (Type-C) power supply to charge NEURIG.



Full ← → Empty

During charging,  shows.

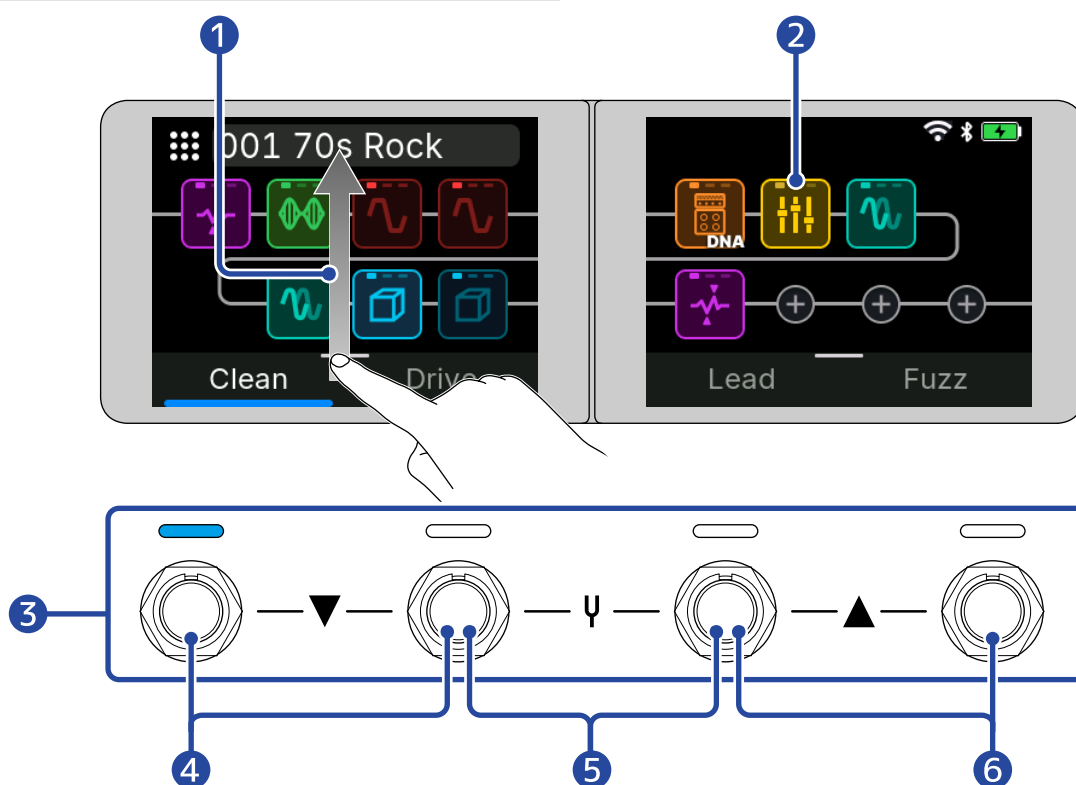
6 Effect icons

Effects registered to the Rig appear as icons. A plus icon is displayed where no effect is registered.

7 Program name/effect name

- When Program mode is selected: The names of the Programs registered to the Rig appear. (→ [Selecting a Program \(Program mode\)](#))
The selected Program name will light brightly.
- When Stomp mode is selected: The names of the effects that can be turned on/off with the respective footswitches appear. (→ [Turning effects on/off with a footswitch \(Stomp mode\)](#))
The active effect names will light brightly.

What you can do with the HOME Screen



1 Stage View display

Swipe up to display the Stage View Screen.

- When Program mode is selected: The Program names appear large on the screen, making it easier to identify the Programs while playing. (→ [Selecting a Program \(Program mode\)](#))
- When Stomp mode is selected: The names of effects that can be turned on/off with the footswitches appear large on the screen, making it easier to identify the effect names while playing. (→ [Turning effects on/off with a footswitch \(Stomp mode\)](#))

To return to the HOME Screen, swipe down on the Stage View Screen.

2 Editing, turning on/off, adding, moving/deleting effects, and checking effects settings

- Touch: The [Effect Edit Screen](#) opens, allowing you to adjust effect parameters. (→ [Adjusting effect parameters](#))
- Double-touch: Turns effects on/off. (→ [Turning effects on/off on the Effect Edit Screen](#))

- Touch and hold: The Move/Delete Screen opens, allowing you to move and delete effects. (→ [Deleting effects](#), [Changing the order of effects](#))
- Touch the plus icon: The Effect Selection Screen opens, allowing you to select the effects you want to register. (→ [Adding effects](#))

The effect icon indicates the effect settings.

- The effect icons light brightly when the effects are on.
- Selection status of the Parameter Slot for an effect can be checked at the top of the effect icon. (→ [Using different settings for each Program \(Parameter Slot\)](#))



- Effects with a white dot in the upper right of the effect icon can be turned on/off with a footswitch. (→ [Turning effects on/off with a footswitch \(Stomp mode\)](#), [Turning a specific effect on/off with a footswitch \(On/Off Control\)](#))



3 Selecting a Program/effect

- When Program mode is selected: Press footswitch 1, 2, 3, or 4 to select the corresponding Program. (→ [Selecting a Program \(Program mode\)](#))

The selected footswitch indicator lights.

You can also select a Program by touching its name on the Home Screen.

- When Stomp mode is selected: Press footswitch 1, 2, 3, or 4 to turn the corresponding effects on/off. (→ [Turning effects on/off with a footswitch \(Stomp mode\)](#))

The footswitch indicators light when effects are on.

You can also turn effects on/off by touching their names on the Home Screen.

4 Selecting the previous Rig

Pressing footswitches 1 and 2 simultaneously selects the previous Rig. (→ [Selecting a Rig](#))

5 Displaying the Tuner Screen

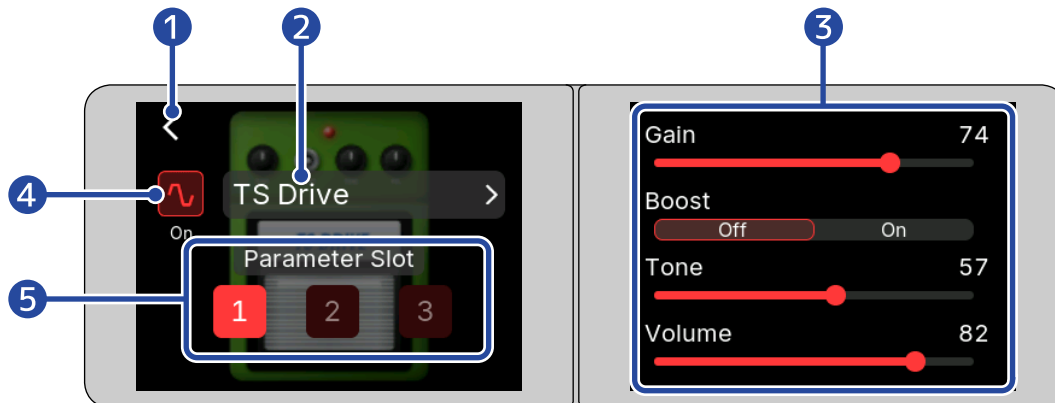
Press footswitches 2 and 3 simultaneously. To return to the HOME Screen, press any footswitch. (→ [Using the tuner](#))

6 Selecting the next Rig

Pressing footswitches 3 and 4 simultaneously selects the next Rig. (→ [Selecting a Rig](#))

Effect Edit Screen

This screen is displayed by touching an effect icon on the [HOME Screen](#) .
You can turn the selected effects on/off and adjust parameters.



1 Back icon

Returns to the [HOME Screen](#) .

2 Selected effect name

Touching the name displays the Effect Selection Screen. (→ [Replacing effects](#))

3 Parameters

Drag the bar or touch the selection to set.

4 Effect ON/OFF icon

Touch the icon to turn the effect on/off. The active effect icon lights brightly.

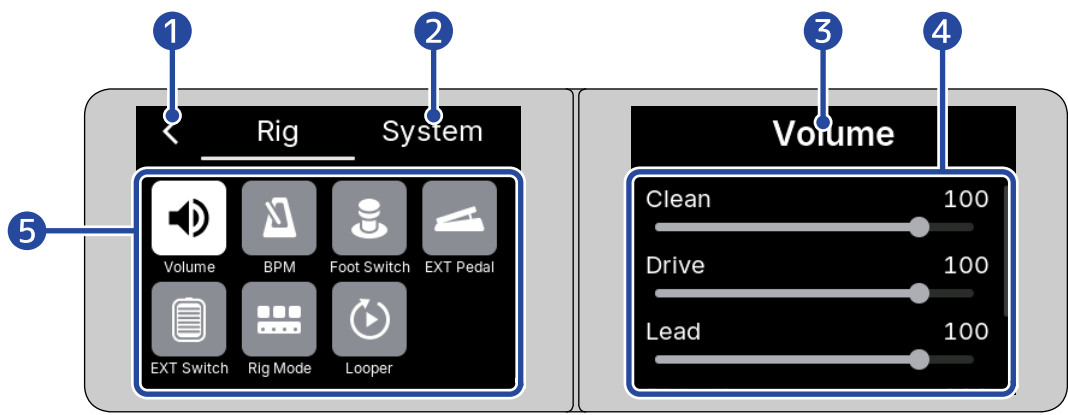
5 Parameter Slot icons (1 to 3)

Up to three parameter settings can be saved in the Parameter Slot. Touch the icon to select the slot to be used.

These icons are displayed only when Program mode is selected. (→ [Selecting a Program \(Program mode\)](#))

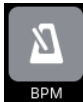
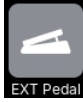
Rig Menu Screen

This screen is displayed by touching the menu icon on the [HOME Screen](#) .
You can configure various settings for the Rig, such as adjusting the volume and tempo and configuring the footswitches and access the Looper Screen for operations and settings.



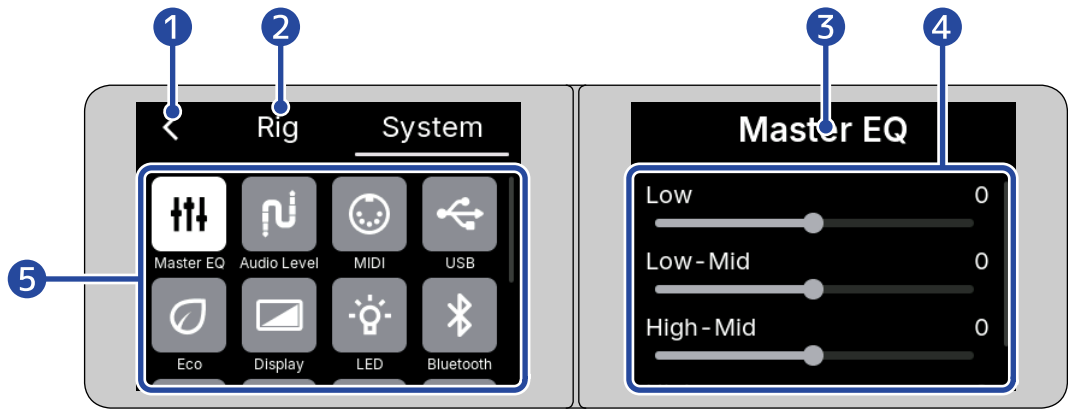
- 1 Back icon**
Returns to the [HOME Screen](#) .
- 2 System tab**
Displays the [System Menu Screen](#) .
- 3 Setting item title**
Displays the title of the selected Rig Menu item.
- 4 Setting screen**
Touching icons for the Rig Menu items allows you to display setting items, change settings, and adjust parameters.
- 5 Icons for the Rig Menu items**
Touch the icon for the item you want to change to display the setting screen on the right screen.

See the reference links for details about each setting.

	This adjusts the volume of the Rig. (→ Adjusting the Rig volume)		This adjusts the Rig tempo. (→ Adjusting the tempo)
	This assigns functions to the NEURIG footswitches. (→ Setting functions controlled by footswitches)		This sets up an external expression pedal. (→ Using an external expression pedal)
	This sets up an external footswitch. (→ Using an external footswitch)		This selects Rig modes. (→ Switching Rig modes)
	This opens the Looper Screen. (→ Using the looper)		

System Menu Screen

This screen is displayed by touching the System tab on the [Rig Menu Screen](#) .
From this display you can configure various settings related to the system.



- 1 Back icon**
Returns to the [HOME Screen](#) .
- 2 Rig tab**
Displays the [Rig Menu Screen](#) .
- 3 Setting item title**
Displays the title of the selected System Menu item.
- 4 Setting screen**
Touching icons for the System Menu items allows you to display setting items, change settings, and adjust parameters.
- 5 Icons for the System Menu items**
Touch the icon for the item you want to change to display the setting screen on the right screen.

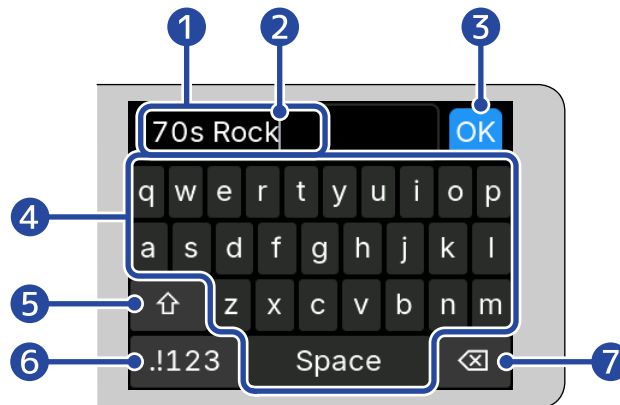
See the reference links for details about each setting.

	This adjusts the EQ of output from NEURIG. (→ Adjusting the Master EQ)		This adjusts the audio level of the NEURIG's OUTPUT jacks and SEND/ RETURN jacks to match the level of the connected instrument or device. (→ Setting the reference output level for inputs and outputs)
	This configures the MIDI settings common to all Rigs. (→ Configuring the MIDI settings)		This configures settings when connected to a USB device. (→ Using audio interface functions)
	This turns ECO mode on/off. (→ Setting ECO mode)		This adjusts the brightness of the dual-touch screen. (→ Setting the brightness of the dual-touch screen)

	This adjusts the brightness of the status indicator/footswitch indicators. (→ Setting the brightness of indicators)		This configures the Bluetooth connection settings. (→ Establishing a Bluetooth connection with a smartphone/tablet)
	This configures the Wi-Fi connections settings. (→ Connecting to a network with Wi-Fi)		This turns the Auto Save function on/off. (→ Setting the Auto Save function)
	This restores factory default settings. (→ Restoring factory default settings)		This allows you to check the firmware versions. (→ Checking the firmware versions)
	This allows you to check the latest information regarding NEURIG. (→ Checking the latest information regarding NEURIG)		

Character input screen

Displayed on the right side of the dual-touch screen when entering text such as changing the Rig name.
Touch the keys to input characters



1 Character input area

This shows the input characters.

2 Character input position

The character will be input at this position.

The character input position can be changed by touching.

3 OK icon

Confirms the input characters and returns to the previous screen.

4 Character selection area

Select characters to input here.

5 Toggle case

6 Change character type

Changes the characters that can be selected in the character selection area.

7 Delete character

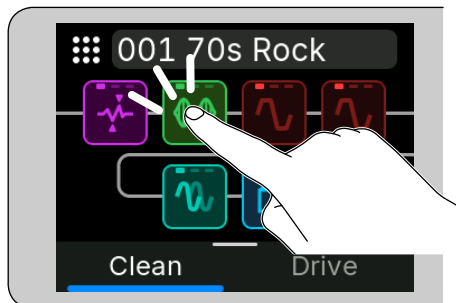
HINT

Touching the back icon on the left screen cancels editing and returns to the previous screen.

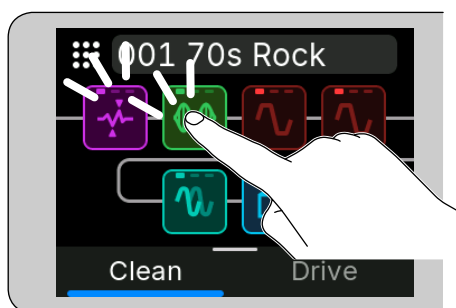
Dual-touch screen operations

Basic operations

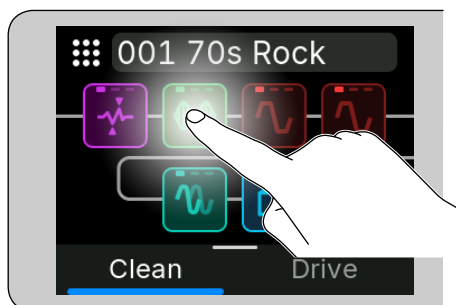
Touch : Lightly touch the icon or item once with your fingertip.



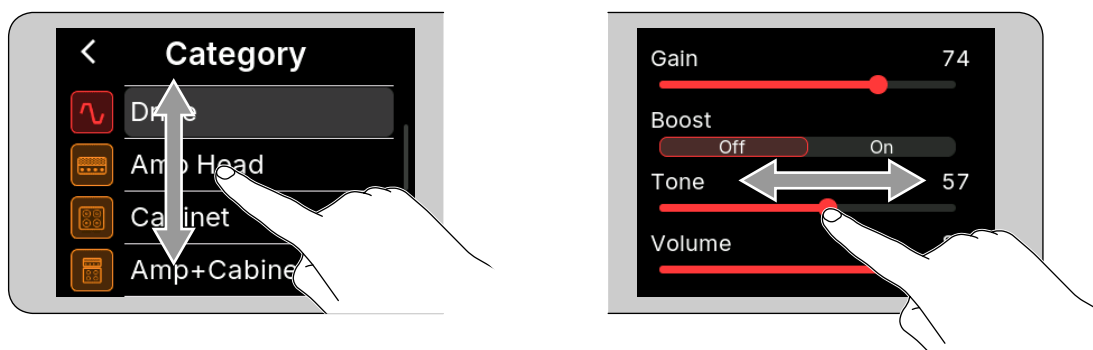
Double-touch : Touch twice in succession.



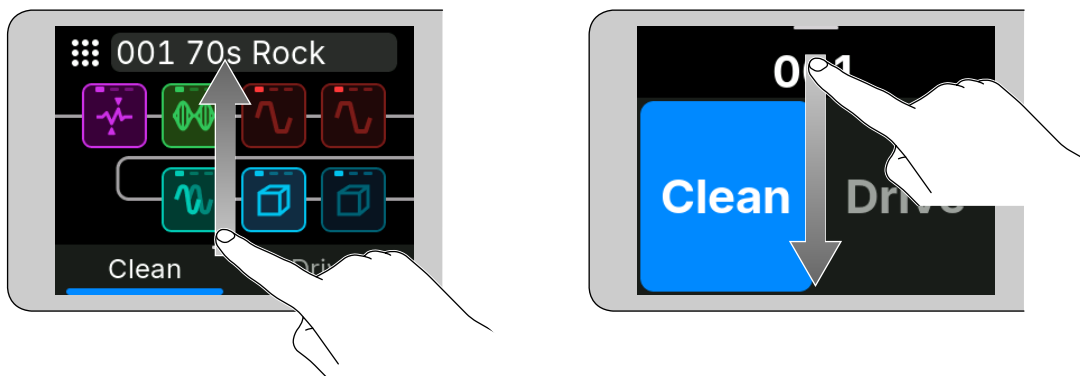
Touch and hold : Keep touching for a certain period of time.



Drag : Move your finger up/down/left/right while touching.

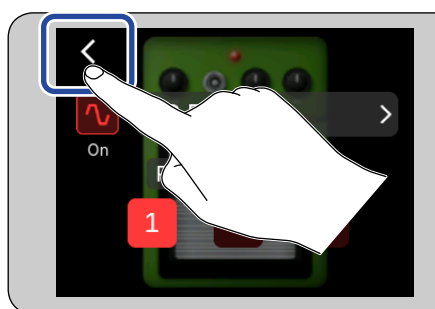


Swipe : Place your finger on the dual-touch screen and slide it up or down to switch screens.



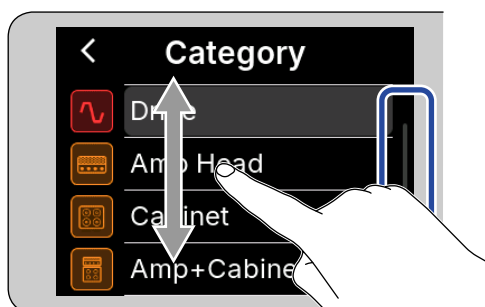
To return to the previous screen

If the back icon is displayed in the upper left corner, you can return to the previous screen by touching it.



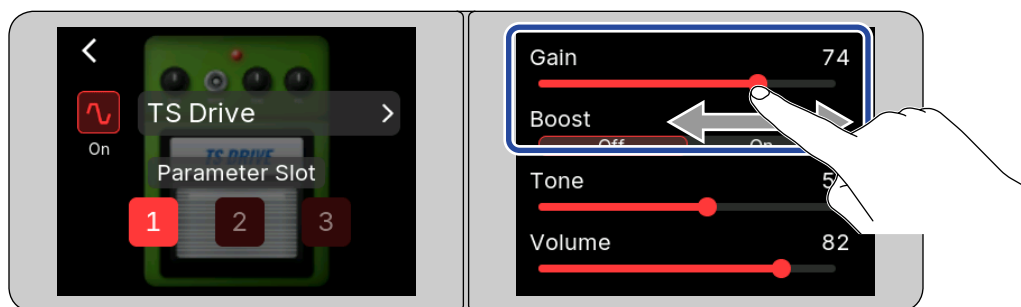
To scroll through list items

When there are too many items in the list to fit in the dual-touch screen, a scroll bar appears on the right. You can scroll the display by dragging the dual-touch screen up or down.



To adjust parameters

On screens where parameters can be adjusted, drag the parameter left or right to adjust it. You can check the adjustment value numerically.

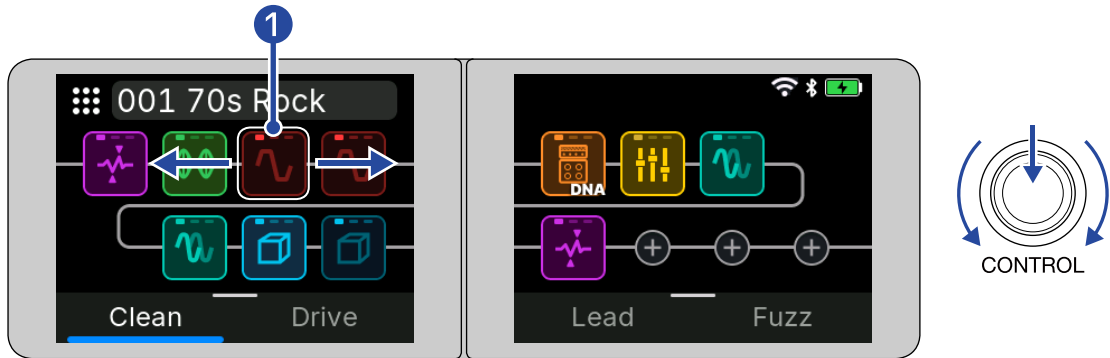


Operating with the CONTROL knob

The dual-touch screen can also be operated using the CONTROL knob.

■ Basic operations

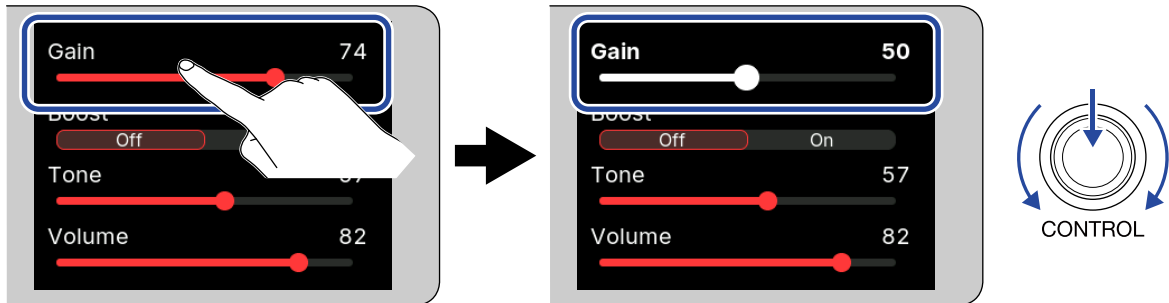
Rotating the CONTROL knob displays a cursor (white frame), allowing you to select icons in sequence. Pressing the CONTROL knob confirms the selection, the same operation as touching.



1 Cursor

■ Operating in conjunction with touching

You can also touch the parameter you want to adjust, then rotate the CONTROL knob to adjust the parameter.



■ Effect Edit Screen operations

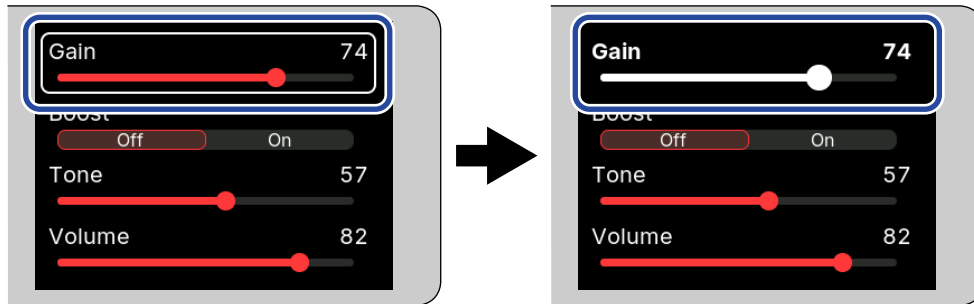
Rotating the CONTROL knob displays a cursor (white frame) on the left side of the [Effect Edit Screen](#) , allowing you to select icons and effect names in sequence.

Pressing the CONTROL knob confirms the selection, the same operation as touching.

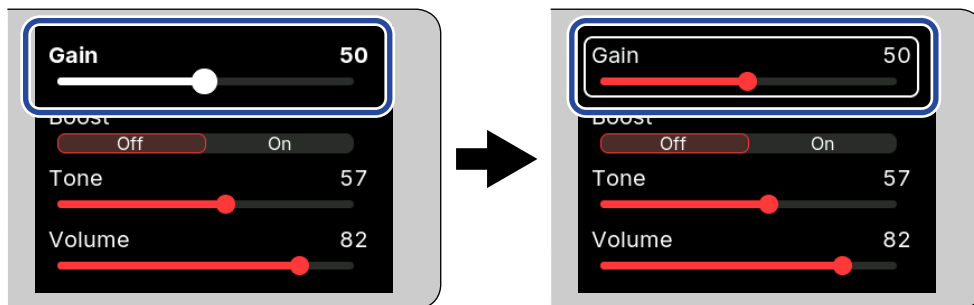


Parameters are displayed on the right side of the [Effect Edit Screen](#) . Follow the steps below to adjust the parameters.

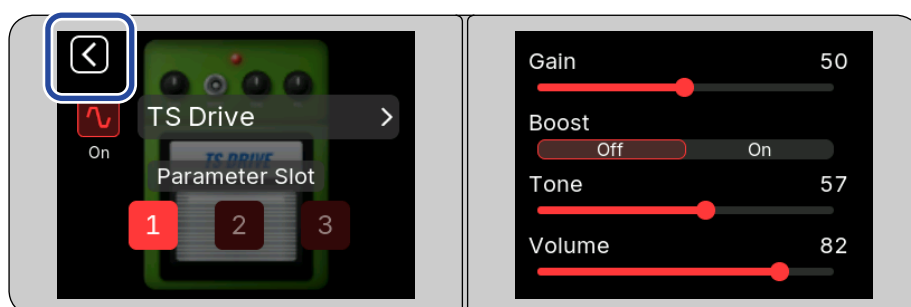
1. Rotate the CONTROL knob to select the parameter and press the CONTROL knob to confirm
The cursor disappears, and the selected parameter is displayed in white.



2. Rotate the CONTROL knob to adjust the parameter and press the CONTROL knob to confirm
The adjustment is applied, and the screen returns to the previous screen. Repeat steps 1 and 2 to adjust the other parameters, as needed.



After adjusting, rotate the CONTROL knob to select the back icon and press the CONTROL knob to return to the Home Screen.

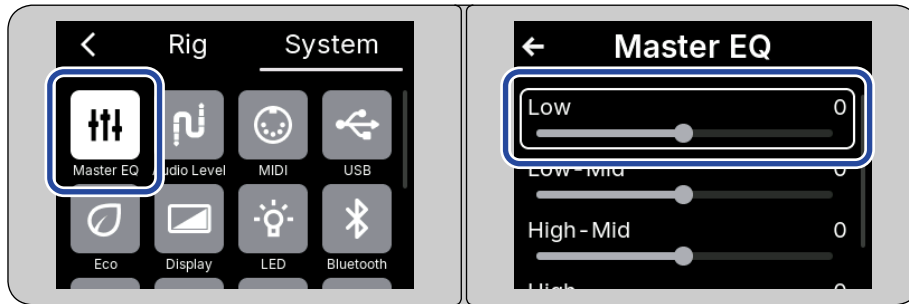


MENU Screen operations

On the [Rig Menu Screen](#) and [System Menu Screen](#), menu item icons are displayed on the left screen, and setting items are displayed on the right screen.

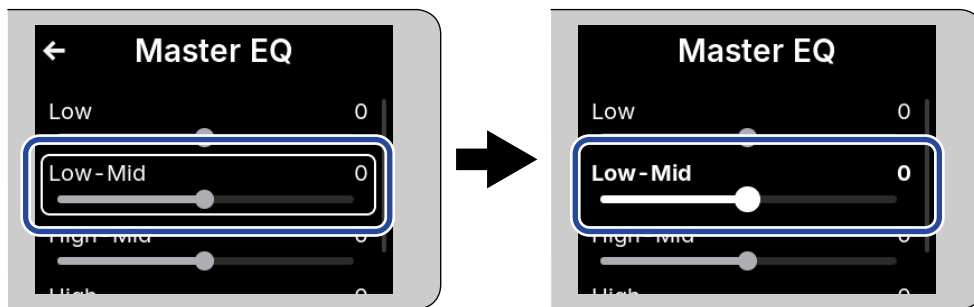
1. Rotate the CONTROL knob to select the menu item icon you want to configure on the left and press the CONTROL knob

The setting items for the selected menu item icon are displayed on the right screen, and the cursor moves to the right screen.



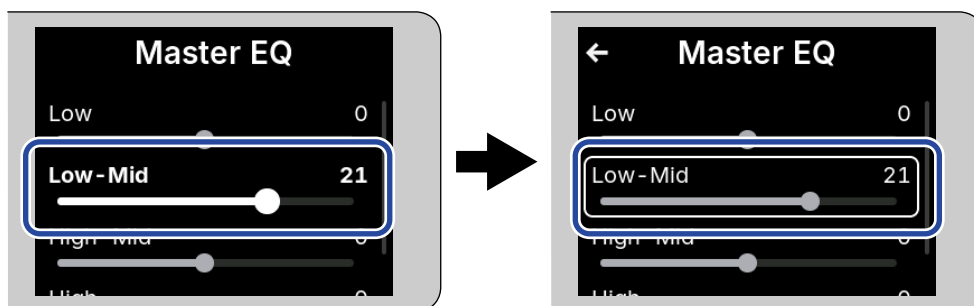
2. Rotate the CONTROL knob to select the parameter and press the CONTROL knob

The cursor disappears, and the selected parameter is highlighted.

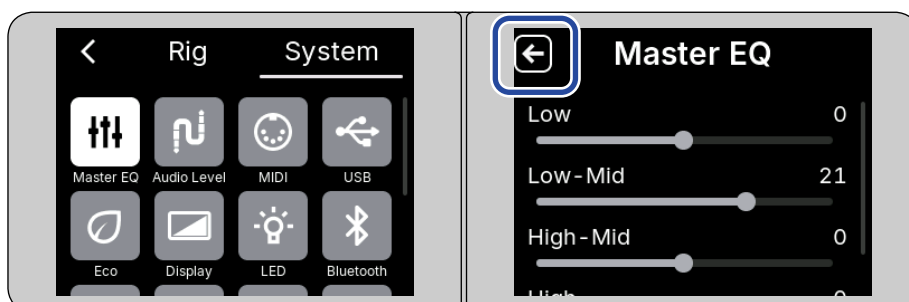


3. Rotate the CONTROL knob to adjust the parameter and press the CONTROL knob

The adjustment is applied, and the screen returns to the previous screen. Repeat steps 2 and 3 to adjust the other parameters, as needed.

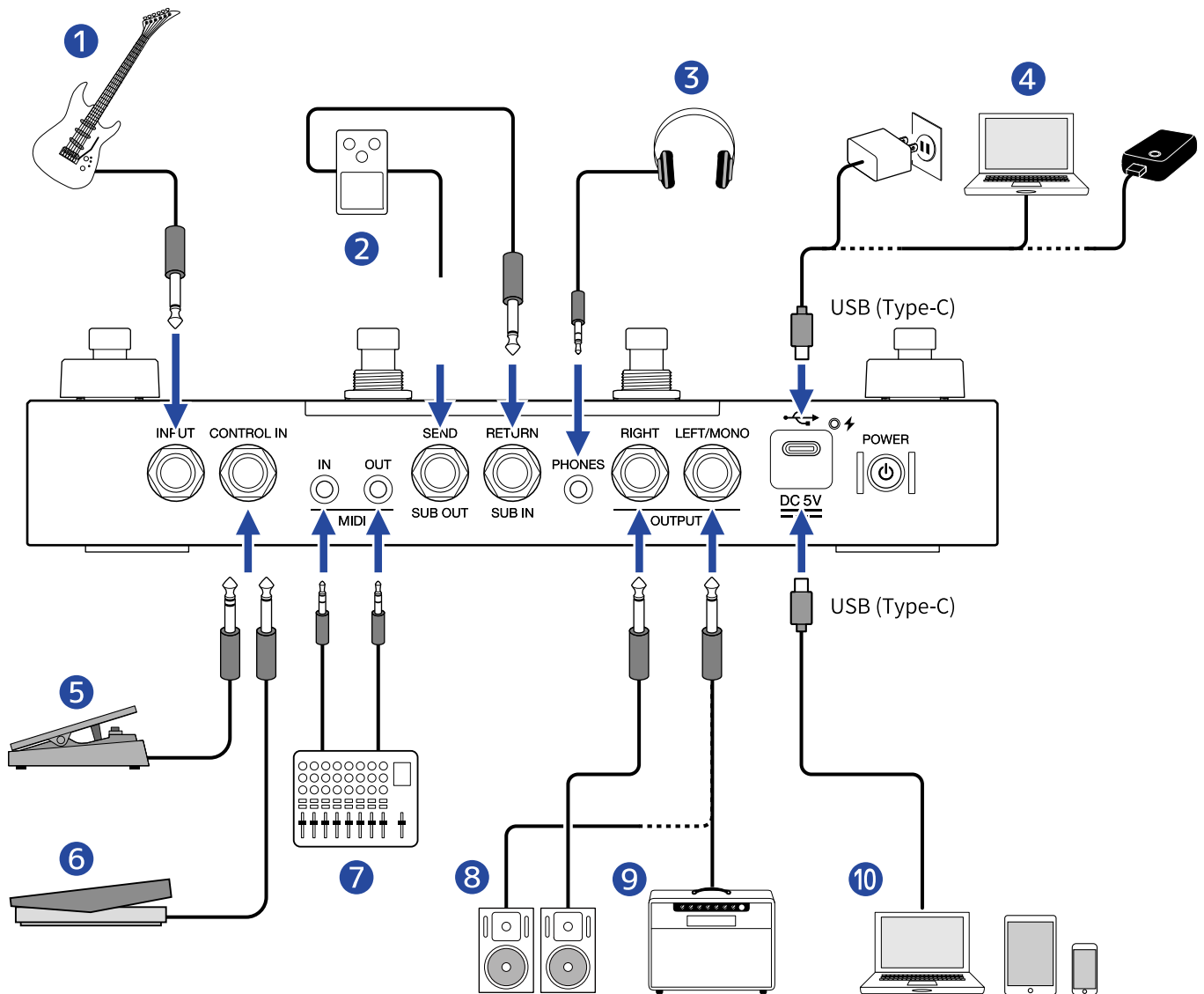


4. After adjusting, rotate the CONTROL knob to select the arrow icon and press the CONTROL knob



The cursor returns to the left screen.

Making connections



1 Guitar

2 External effects unit

Connect the SEND jack to the effects unit's INPUT jack and the RETURN jack to the effects unit's OUTPUT jack.

3 Headphones

4 USB (Type-C) power supply

The following USB (Type-C) power supplies can be used.

- Commercially available USB AC adapter (10 W (5 V, 2 A) or more)
- A computer that is powered on
- Mobile battery

5 Expression pedal (ZOOM FP02M)

A pedal can be used to control effects.

6 Footswitch (ZOOM FS01)

By assigning a function, you can use it for setting tap tempo, bypassing, and displaying the Tuner Screen.

7 External MIDI device

Connect the device using MIDI cables.

This allows you to use an external MIDI device in coordination with NEURIG.

8 Powered monitors

9 Guitar amp

10 Computer (Mac/Windows), smartphone/tablet

Connect with a USB (Type-C) cable.

NEURIG can be used as an audio interface and to exchange MIDI data.

HINT

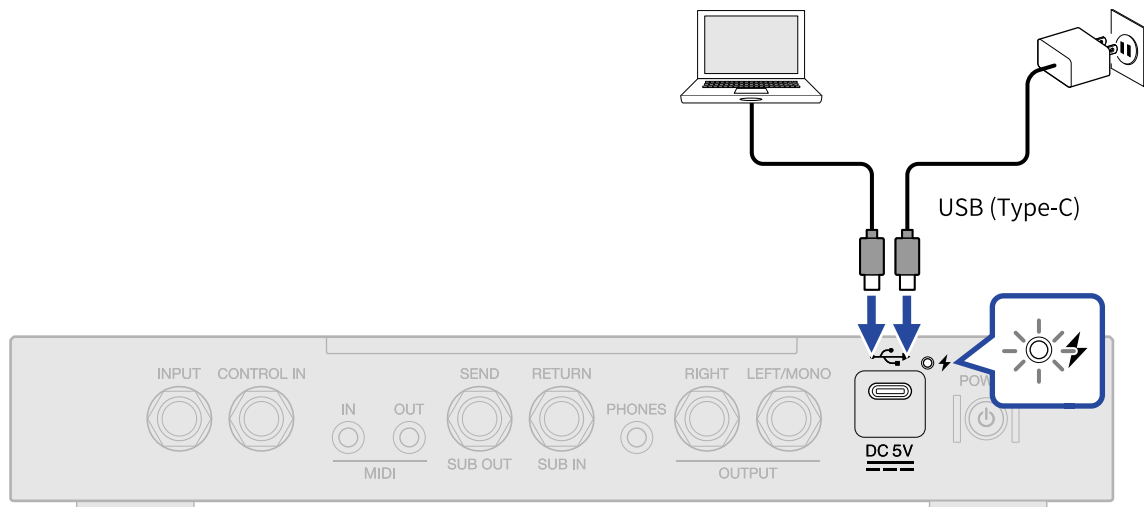
NEURIG is equipped with SEND/RETURN jacks, supporting the four-cable method. For details, see [“Using NEURIG with four-cable method.”](#)

Turning the power on/off

Charging

NEURIG has a built-in lithium-ion battery, allowing you to use NEURIG without being connected to a power source.

1. Connect a USB (Type-C) power supply (a computer that is powered on or commercially available USB AC adapter (10 W (5 V, 2 A) or more))



The charging indicator lights during charging.

HINT

You can also connect and charge a mobile battery (10 W (5 V, 2 A) or more).

2. Remove the cable from the USB (Type-C) power supply
The charging indicator goes off when charging is complete.

NOTE

- When battery level is low, "Low Battery" is displayed on the dual-touch screen. Charge NEURIG. Lithium-ion battery level is displayed on the [HOME Screen](#).
- To prevent the possibility of overheating, damage, or deterioration of the lithium-ion battery, charge the battery within the ambient temperature range of 5 °C to 35 °C.
- Do not leave the unit with the cable plugged in for a long period after charging is complete.
- Even if you do not use the unit for a long time, charge and discharge it once every three months to prevent deterioration of the lithium-ion battery.
- When handling lithium-ion batteries, follow the instructions in "Warnings regarding safe battery use."

HINT

When connected to a USB (Type-C) power supply, NEURIG can be used while charging.

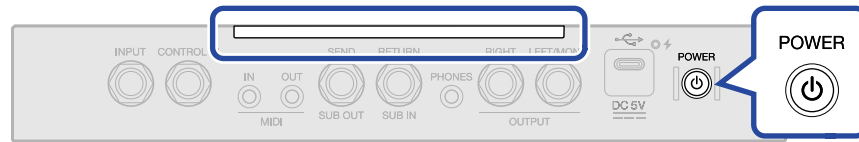
Turning the power on

1. Minimize the volume of the amp or powered monitors

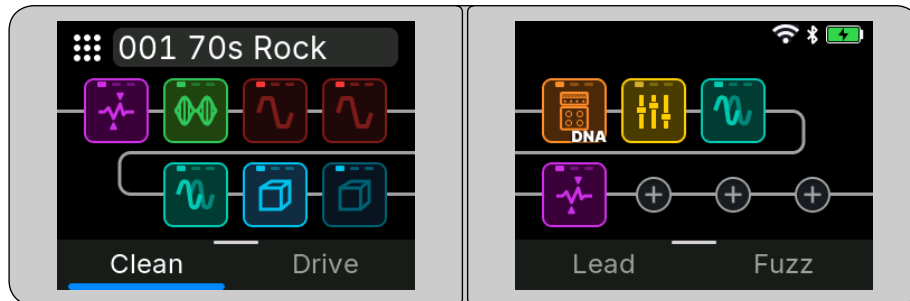
NOTE

To prevent noise and malfunction, connect powered monitors or a guitar amp before turning the power on.

2. Press and hold the POWER button until the status indicator lights white



This turns the NEURIG power on, and the status indicator lights.
The [HOME Screen](#) is displayed on the dual-touch screen.



3. Raise the volume of the amp or powered monitors

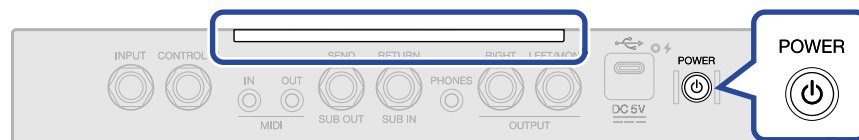
Notes about ECO mode

- By default, ECO mode is set to "10 h," so the power will automatically turn off if no use occurs for 10 hours.
- ECO mode can also be set to "Off." (→ [Setting ECO mode](#))

Turning the power off

1. Minimize the volume of the amp or powered monitors

2. Press and hold the POWER button until the status indicator lights steady white



The status indicator goes off, and the power turns off.

Performing a forced shutdown

If NEURIG does not accept any operation, you can forcibly turn it off by following the procedure below.

1. Press and hold the POWER button for at least 10 seconds until the status indicator goes off

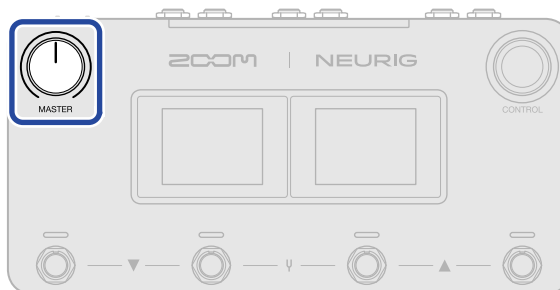
NOTE

- If you perform a forced shutdown, unsaved data may be lost.
- This is an emergency procedure when the normal shutdown cannot be performed. Do not use this procedure for routine operation.
- Frequent forced shutdowns can cause failures and data corruption.
- After a forced shutdown, wait about 10 seconds before turning the power back on.

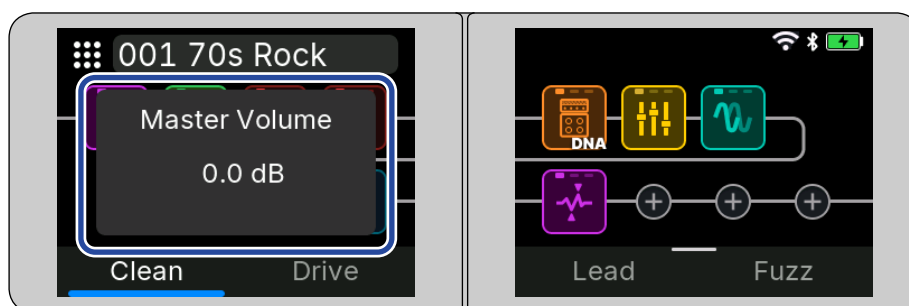
Adjusting the Master Volume

This adjusts the output volume of NEURIG.

1. Rotate the MASTER knob



The adjustment value is displayed on the screen.



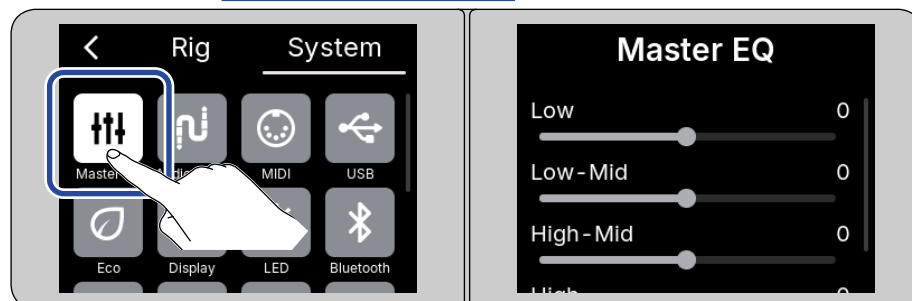
NOTE

- The setting range is MUTE to +6 dB.
- Setting becomes 0 dB with the knob in the center position.

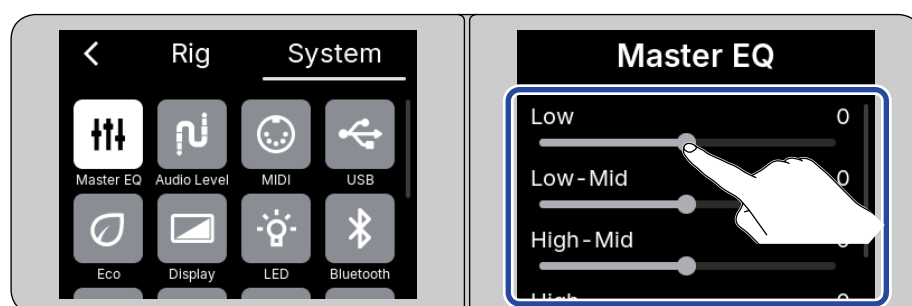
Adjusting the Master EQ

This adjusts the tonal character of sound output from NEURIG.

1. Touch the Master EQ icon on the [System Menu Screen](#)



2. Touch the frequency range you want to adjust on the right screen, then drag it to adjust the EQ. The adjustment value is displayed numerically.



- Low: Low range
- Low-Mid: Medium-low range
- High-Mid: Medium-high range
- High: High range

Switching Rigs while playing

NEURIG comes with 75 preset Rigs and can store up to 200 Rigs.

On the [HOME Screen](#), you can switch between Rigs while you are playing. You can also select the Program or effect assigned to the footswitch in the Rig to change the tone. (→[What is a Rig? \(Virtual pedalboard\)](#))

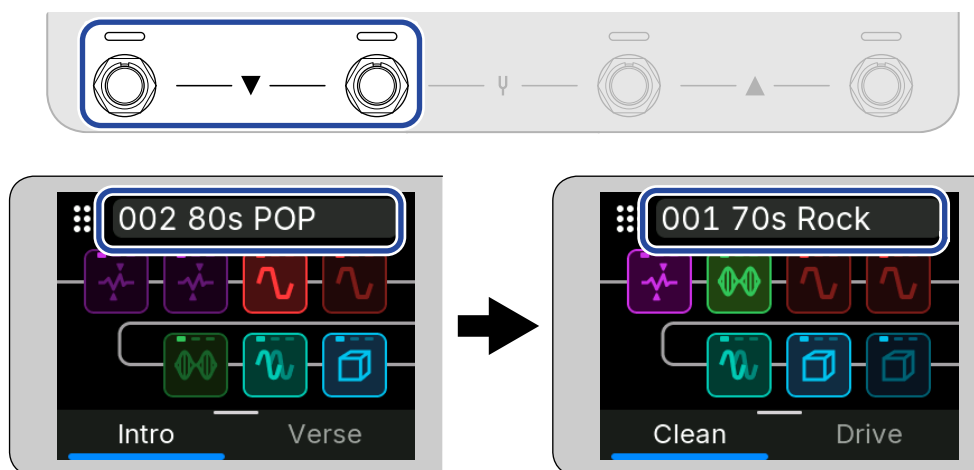
HINT

You can view the details of the preset Rigs in the "Rig List" (zoomcorp.com/help/neurig).

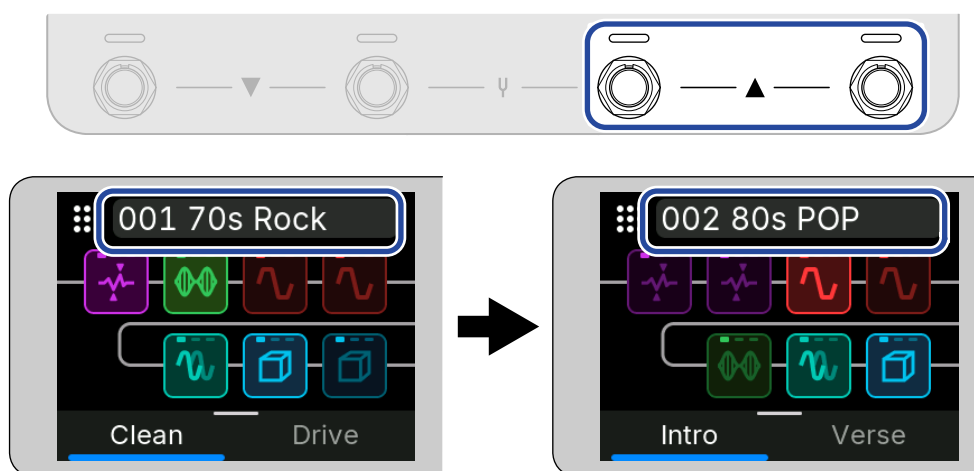
Selecting a Rig

1. Use the footswitches on the [HOME Screen](#)

- Pressing footswitches 1 and 2 simultaneously selects the previous Rig.



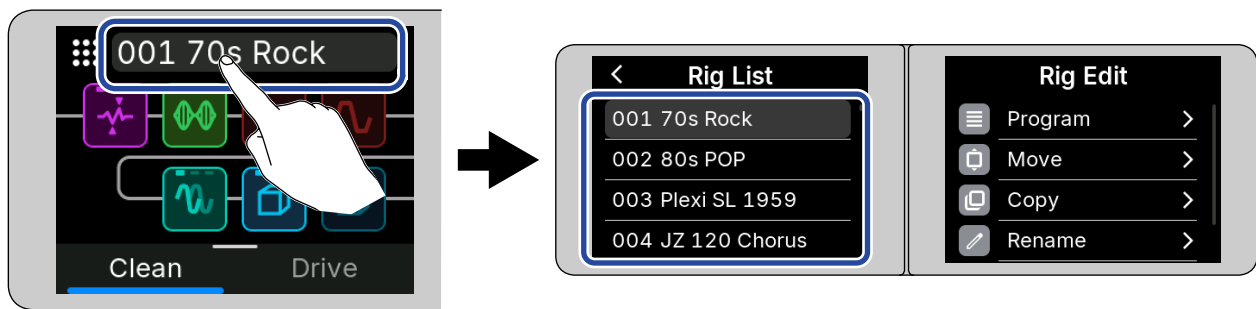
- Pressing footswitches 3 and 4 simultaneously selects the next Rig.



To select a Rig from the list

1. Touch the Rig name on the [HOME Screen](#)

This opens the Rig List Screen.



2. Touch the Rig you want to select on the left screen

HINT

On the Rig List Screen, you can manage Rigs, including reordering, copying, renaming, and deleting them, as well as manage Programs. (→ [Managing Rigs](#), [Managing a Program](#))

Selecting a Program (Program mode)

When Program mode is selected (the status indicator lights blue), you can select a Program by pressing the footswitch.



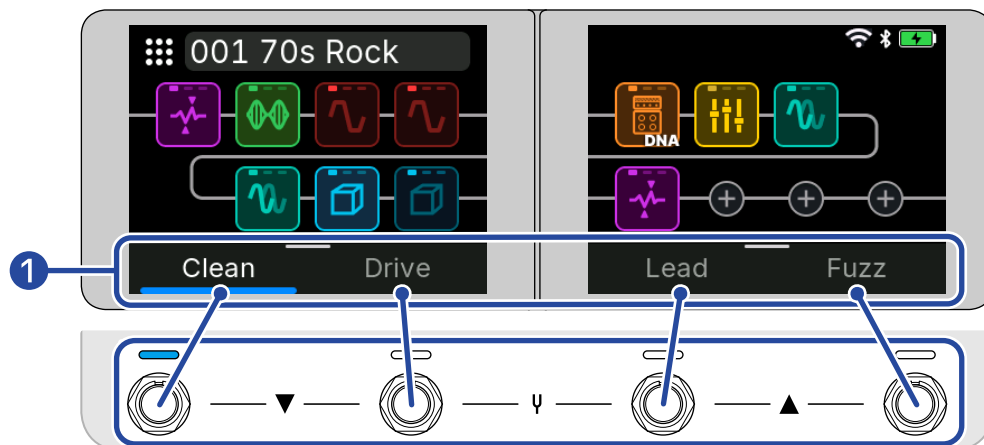
Depending on the Rig, different Programs are available.

In a preset Rig in Program mode, four types of Programs, such as clean sound, overdrive sound, lead sound, and distortion sound, are available.

HINT

- When the status indicator lights red, a Rig for Stomp mode is selected. Select a Rig for Program mode. (→ [Selecting a Rig](#))
- The settings for each effect are stored independently in the Stomp and Program modes.

1. Press footswitch 1, 2, 3, or 4 to select a Program



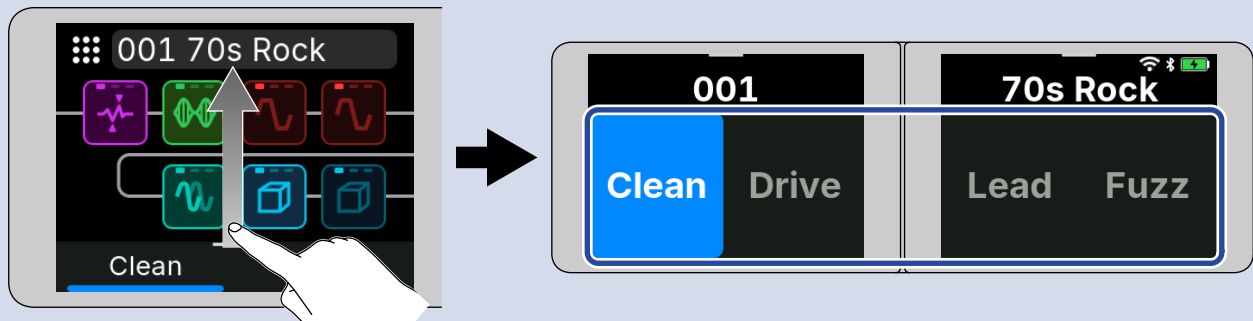
1 Program name

The selected footswitch indicator lights blue. (The Program name will light brightly.)
You can also select a Program by touching its name.

Notes about Stage View

Swipe up on the [HOME Screen](#) to display the Stage View Screen.

The Program names appear large on the screen, making it easier to identify the Programs while playing.



To return to the HOME Screen, swipe down on the screen.

HINT

- The Program names vary from Rig to Rig. You can also change the names. (→ [Renaming a Program](#))
- You can also edit Programs such as effects on/off settings and parameter settings. (→ [Editing effects](#))
- You can configure Programs, such as move and copy, within a Rig. (→ [Managing a Program](#))
- When you press the selected footswitch again, the footswitch indicator will light white. You can select a state where the effect is simply turned on or off while keeping the settings of the effects. (→ [Turning a specific effect on/off with a footswitch \(On/Off Control\)](#))

Turning effects on/off with a footswitch (Stomp mode)

When Stomp mode is selected (the status indicator lights red), you can assign one effect to each footswitch. Pressing the footswitch toggles the effect on/off.



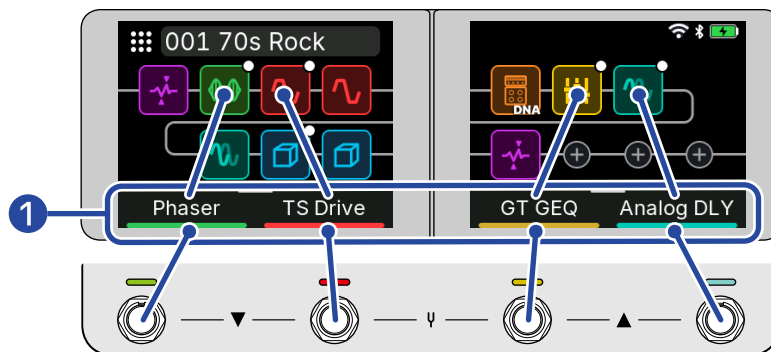
Some preset Rigs are for Stomp mode.

HINT

- When the status indicator lights blue, a Rig for Program mode is selected. Select a Rig for Stomp mode. (→ [Selecting a Rig](#))
- The settings for each effect are stored independently in the Stomp and Program modes.

The effect names shown at the bottom of the dual-touch screen are the effects that can be turned on/off by pressing the footswitches.

Pressing the footswitch toggles the corresponding effects on/off.



1 Effect name

The footswitch indicators for the active effects will light in the color of the effect icon. (The effect names will light brightly.)

You can also turn effects on/off by touching their names.

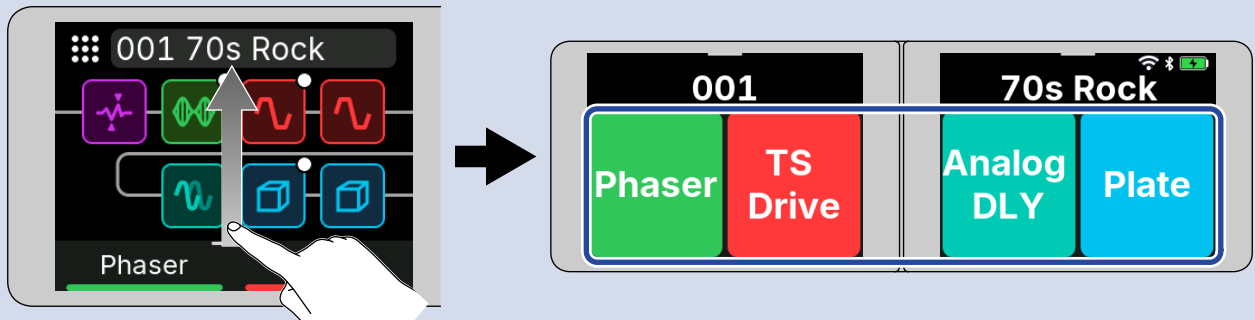
HINT

- Effects not assigned to a footswitch can be turned on/off from the [Effect Edit Screen](#) or the [HOME Screen](#). (→ [Turning effects on/off on the Effect Edit Screen](#))
- When the desired effect is not displayed or "Empty" is displayed, you can assign the effect to the footswitch. (→ [Changing footswitch assignments \(Stomp mode\)](#))

Notes about Stage View

Swipe up on the [HOME Screen](#) to display the Stage View Screen.

The Effect names appear large on the screen, making it easier to identify the effects that can be turned on/off while playing.



To return to the Home Screen, swipe down on the screen.

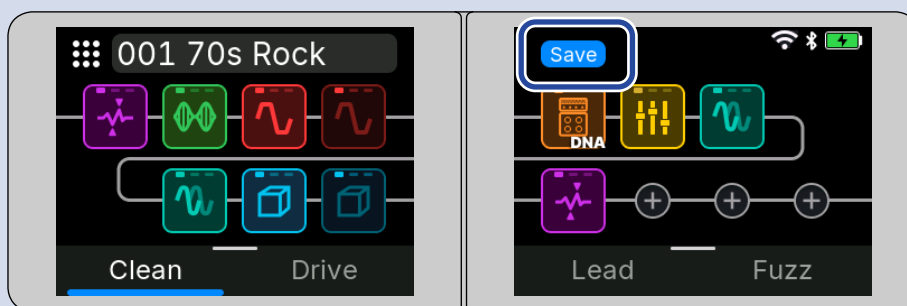
Adjusting effects

Operations such as turning effects on/off and adjusting parameters are performed on the [Effect Edit Screen](#).

Notes about saving changes

- When the Auto Save function is on, changes to Rigs will be automatically saved. (This function is on by default.) (→[Setting the Auto Save function](#))
- Rigs will not be saved automatically if the Auto Save function is off. When the Rig settings have been changed, the Save icon will appear at the top right of the screen, showing that they differ from the saved settings.

Touching the Save icon displays a screen that prompts you to save changes. When you touch “Execute,” the changed settings are saved.



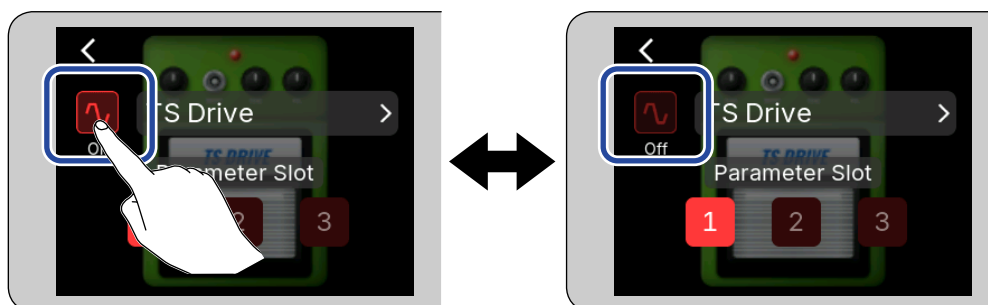
Turning effects on/off on the Effect Edit Screen

The individual effects used in the Rig can be turned on/off.

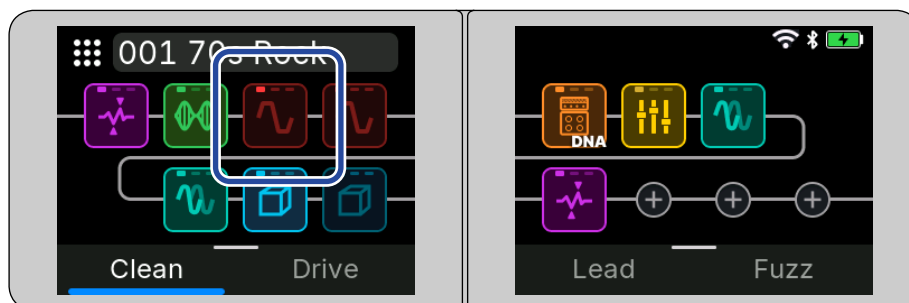
- When Program mode is selected: The effect on/off settings changed on the Effect Edit Screen are saved in the selected Program. (→ [Editing effects](#))
- When Stomp mode is selected: Switching effects on/off on the Effect Edit Screen is the same function as switching them on/off using the footswitches. (→ [Turning effects on/off with a footswitch \(Stomp mode\)](#))

1. Touch the icon of the effect you want to turn on/off on the [HOME Screen](#)
The [Effect Edit Screen](#) for the effect you touched is displayed.

2. Touch the effect ON/OFF icon to turn the effect on/off
The icon lights brightly when the effect is on.

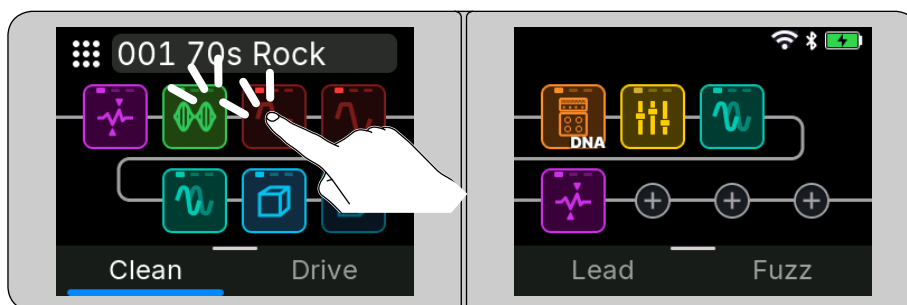


When an effect is turned off, the effect icon appears dimmed on the HOME Screen.



HINT

- When the HOME Screen is displayed, you can also double-touch the effect icon to turn the effect on/off.



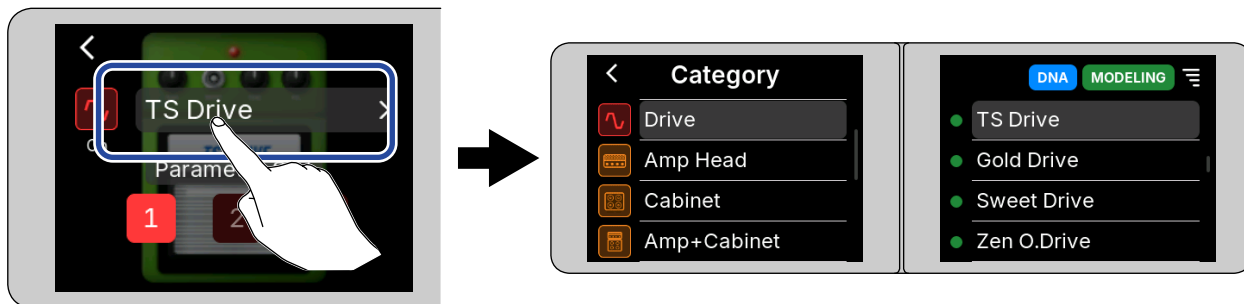
- Some effects assign special functions to footswitches. (This includes effects that turn on only while the footswitch is being pressed, for example.) Special functions can be selected on the Effect Edit Screen. (→ [Footswitch special functions](#))

Replacing effects

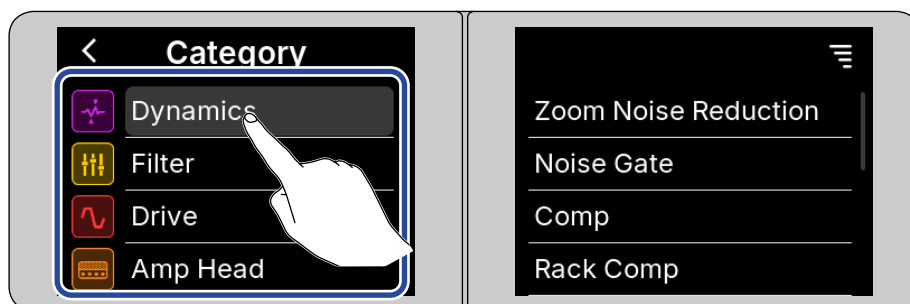
The effects used in the Rig can be changed.

1. Touch the icon of the effect you want to change on the [HOME Screen](#)
The [Effect Edit Screen](#) for the effect you touched is displayed.

2. Touch the effect name
The Effect Selection Screen is displayed.

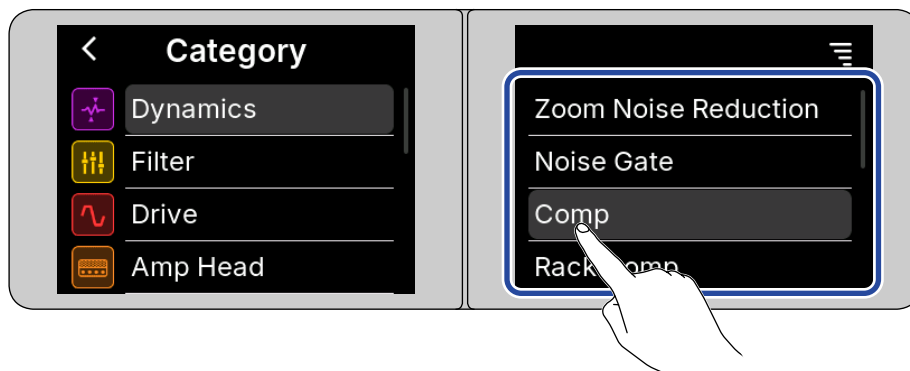


3. Touch the category you want to select on the left screen



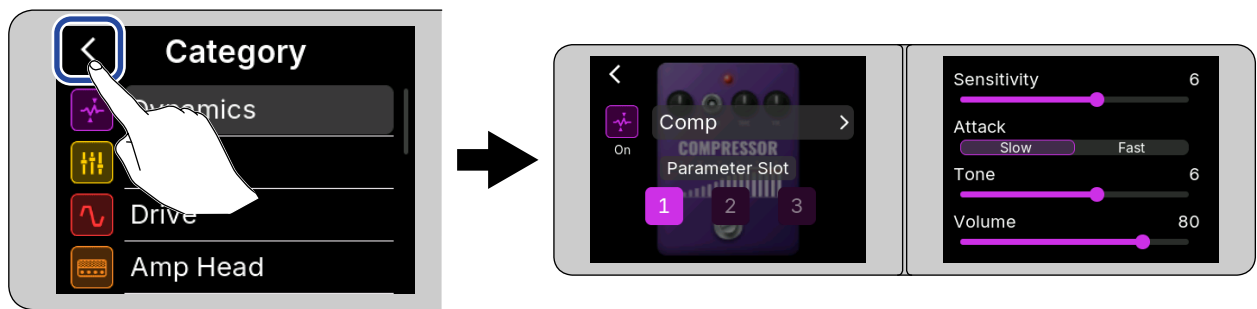
The selected category is highlighted.

4. Touch the effect you want to select on the right screen



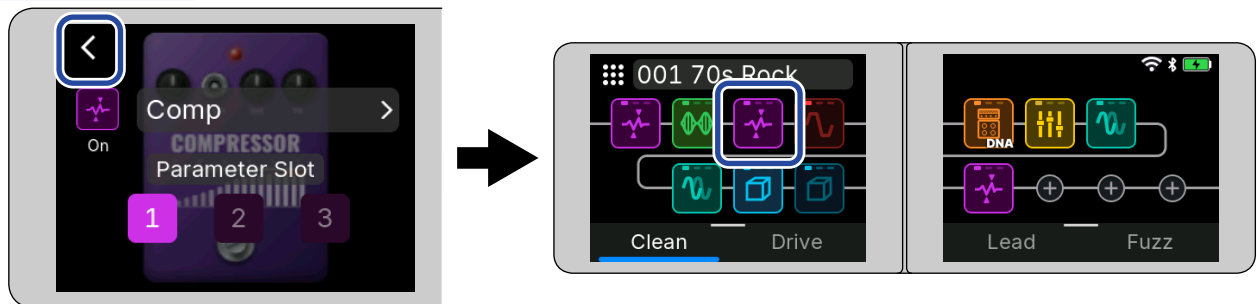
The selected effect is highlighted and the effect is enabled.

5. Touch the back icon
The [Effect Edit Screen](#) for the effect you selected is displayed. Adjust the parameters, as needed. (→ [Adjusting effect parameters](#))



6. Touch the back icon

The [HOME Screen](#) is displayed, and the effects you changed are applied.



HINT

- When selecting an effect in the Pedal category, connect an external expression pedal and configure settings. (→ [Using an external expression pedal](#))
- You can view the description of each effect in the "Effect List" (zoomcorp.com/help/neurig).

Notes about the number of effects in a Rig

With NEURIG, you can freely combine 14 effects. However, items that exceed the processing power are grayed out and cannot be selected. When touched, "Process Overflow" is displayed, indicating the processing load of each effect being used in the Rig. In this case, edit or delete one of the effects so that the value does not exceed 100%.



HINT

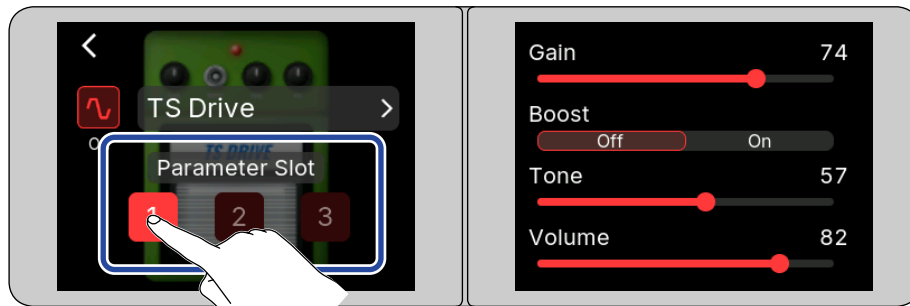
The DNA models available in "Drive," "Amp Head," and "Amp+Cabinet" have high sound quality but require a lot of processing power.

Adjusting effect parameters

The individual effects used in the Rig can be adjusted.

- When Program mode is selected: Up to three settings can be stored for a single effect and can be recalled with a single touch. Saved settings can also be recalled when switching Programs. (→ [Editing effects](#))
- When Stomp mode is selected: Only one parameter setting can be stored for each effect.

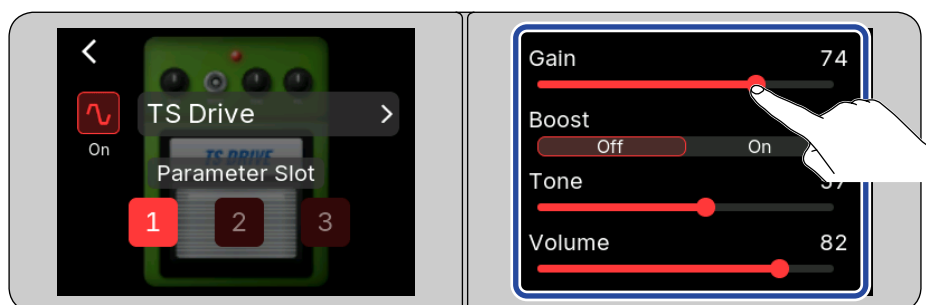
1. Touch the icon of the effect you want to adjust parameters for on the [HOME Screen](#). The [Effect Edit Screen](#) for the effect you touched is displayed.
2. (Only when Program mode is selected) Touch the Parameter Slot icon (1 to 3) where you want to save the settings. The selected Parameter Slot icon lights.



HINT

- Settings saved in the Parameter Slot can be recalled with a single touch by simply selecting the Parameter Slot icon. For how to use the Parameter Slot, see "[Using different settings for each Program \(Parameter Slot\).](#)"
- You can easily check which Program is using the currently selected Parameter Slot. When you touch the selected Parameter Slot icon, the footswitch indicator for the Program using the Parameter Slot flashes twice.

3. Drag the parameters you want to adjust. You can check the setting values numerically.



HINT

In some effects such as delay or amp, when there are too many parameters to fit within the screen, a scroll bar appears on the right.

You can scroll the screen to see hidden parameters.

4. Repeat step 3 to adjust parameters, as needed
(Only when Program mode is selected) If you want to store the parameter settings separately, reselect the Parameter Slot icon in step 2 and repeat step 3 to adjust the parameters.

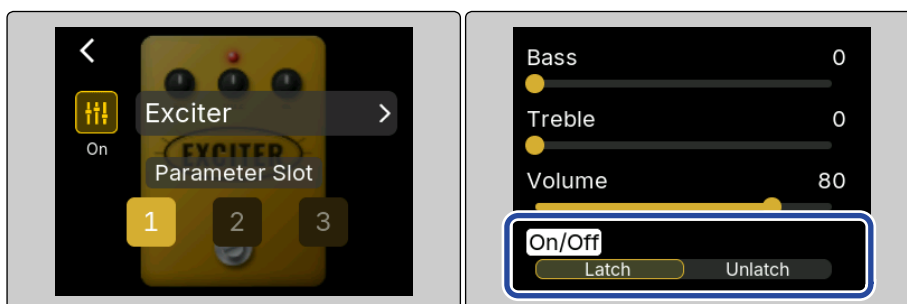
5. Touch the back icon
Applies the settings and returns to the [HOME Screen](#).
-

HINT

You can synchronize the tempo by selecting musical notes with a parameter such as "Time" or "BPM Sync." (→ [Adjusting the tempo](#))

Footswitch special functions

Some effects assign special functions to footswitches, including turning the effect on only while the footswitch is being pressed. Parameters that select special functions appear on the dual-touch screen as light letters on a dark background.



What you can do with Program mode

Up to 14 effects can be assigned in a Rig. You can set up to four different Programs by switching the on/off state and parameter settings of assigned effects.

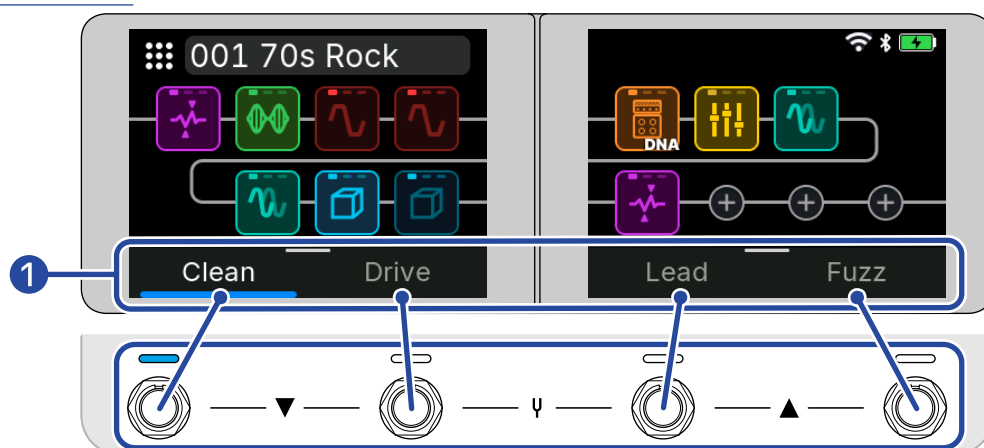
Editing effects

You can edit the effects assigned to a Program by changing their on/off settings and parameter settings.

HINT

When Program mode is selected, effect edits are applied to the selected Program.

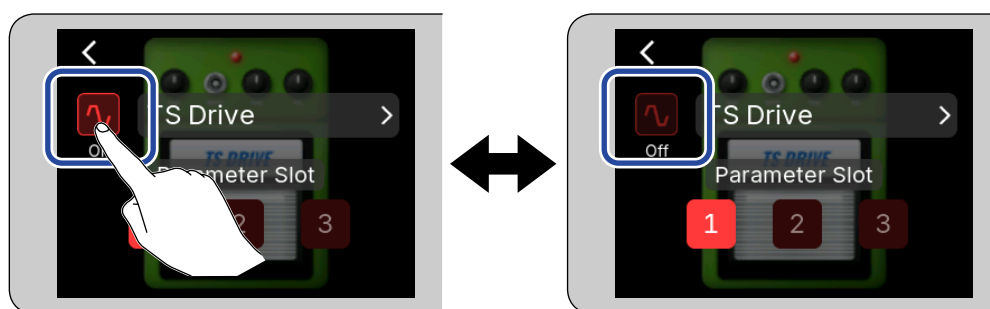
1. On the [HOME Screen](#), select the Program whose effects you want to edit



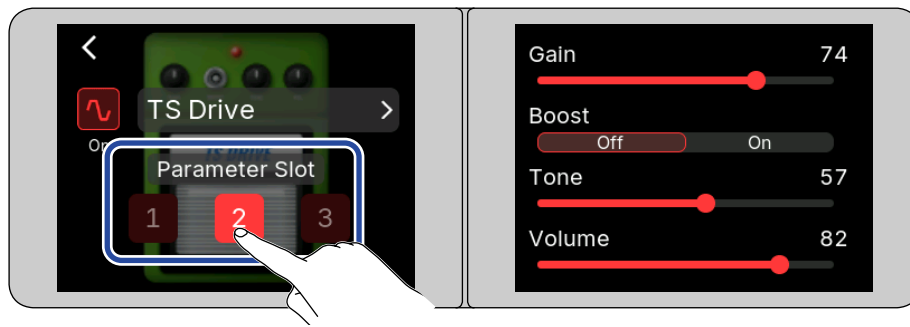
- 1 Program name

2. Touch the effect icon you want to edit
The [Effect Edit Screen](#) is displayed.

3. Touch the effect ON/OFF icon to switch the effect on/off
The icon lights brightly when the effect is on.



4. Touch a Parameter slot to select it



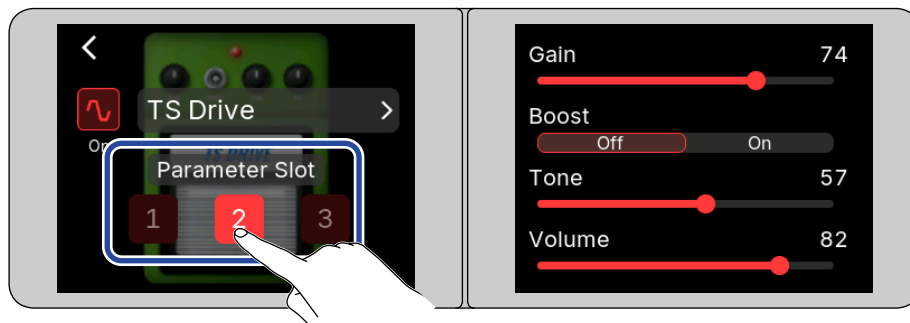
NOTE

Store adjusted parameters in Parameter Slot 1 to 3 in advance (→ [Using different settings for each Program \(Parameter Slot\)](#)).

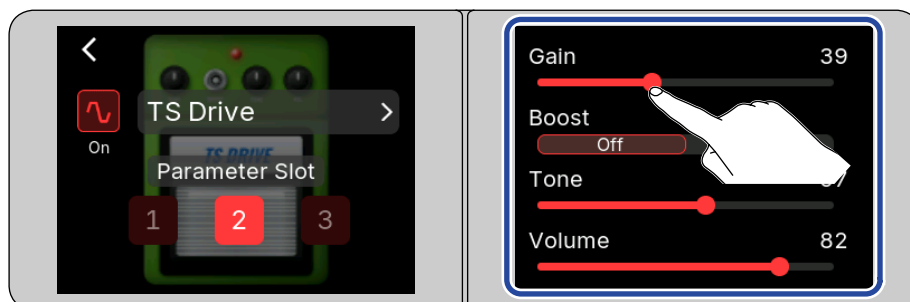
Using different settings for each Program (Parameter Slot)

If you want to use the same effect with different settings for each Program, use the Parameter Slot. Each effect has three Parameter Slot, and you can store up to three settings. (→ [What is a Parameter Slot?](#))

1. On the [HOME Screen](#), select the Program whose settings you want to change. (→ [Selecting a Program \(Program mode\)](#))
2. Touch the effect icon whose settings you want to change
The [Effect Edit Screen](#) is displayed.
3. Touch the unused Parameter Slot



4. Adjust parameters



When the sound changes simultaneously

If the same Parameter Slot is selected by two or more Programs, the parameters set in one Program will be applied to the others. If you want to use different sounds, select a Parameter Slot not used by other Programs.

Confirming the selected Parameter Slot

The lit Parameter Slot in the [Effect Edit Screen](#) is used by the selected Program (Program for the lit footswitch). When you switch Programs, the Parameter Slot display also changes.

■ State where Program A uses Parameter Slot 1



■ State where Program B uses Parameter Slot 2



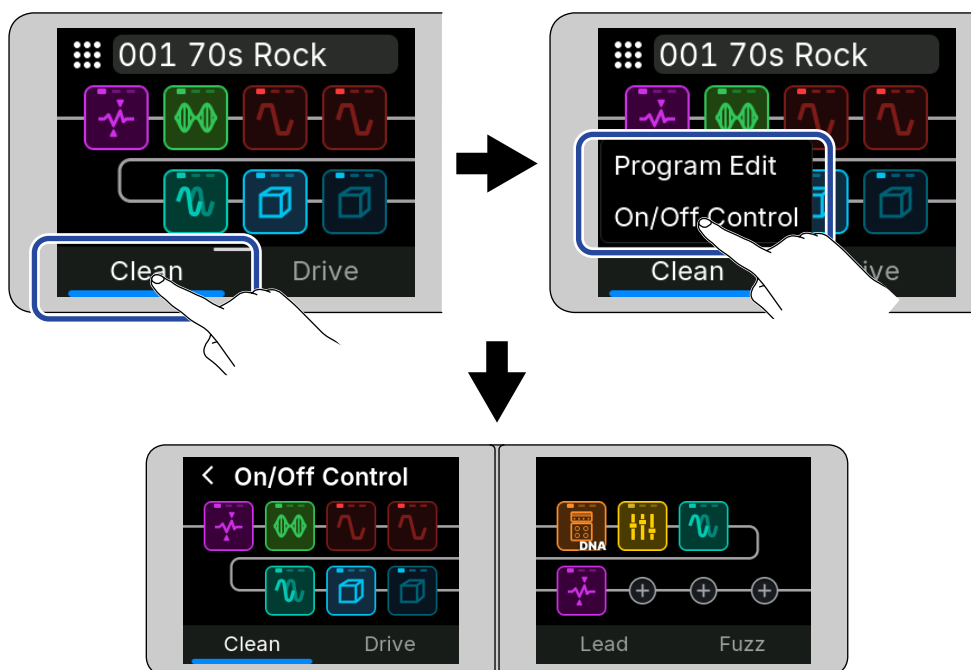
Turning a specific effect on/off with a footswitch (On/Off Control)

You can turn the selected effect on/off by pressing a footswitch without changing the effect parameter settings.

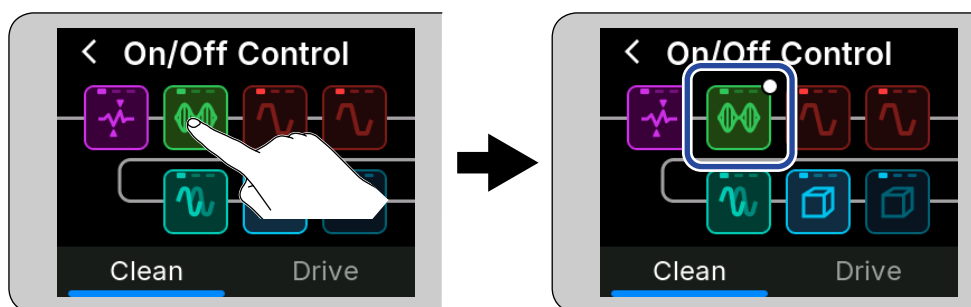
This is useful when you want to turn the delay effect on while playing.

1. Touch and hold the name of the Program whose effect you want to switch on/off with a footswitch, then touch "On/Off Control"

This opens the On/Off Control Screen.



2. Touch the effect for which you want to change the on/off setting
A white dot appears in the upper right of the touched effect icon.

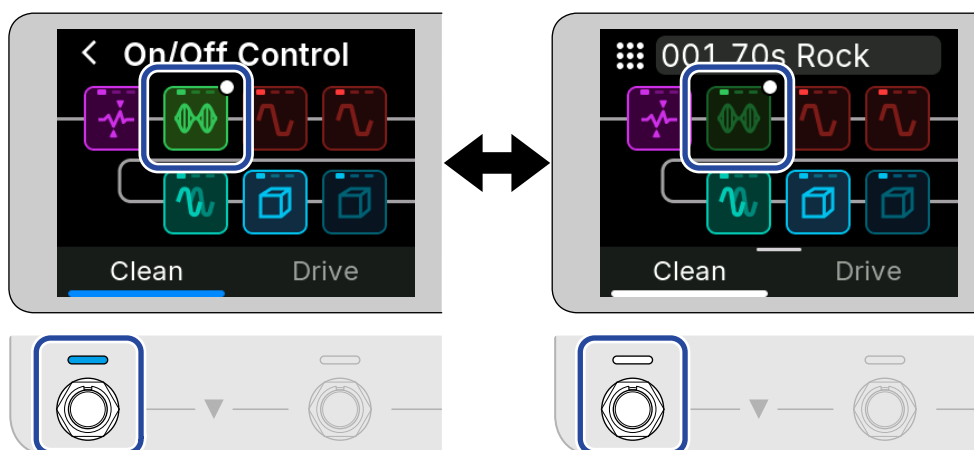


You can also select multiple effects.

3. Touch the back icon
Returns to the [HOME Screen](#).

4. Press the footswitch for the selected Program

The footswitch indicator will light white, and the effect shown by the white dot in the upper right will be switched on/off.

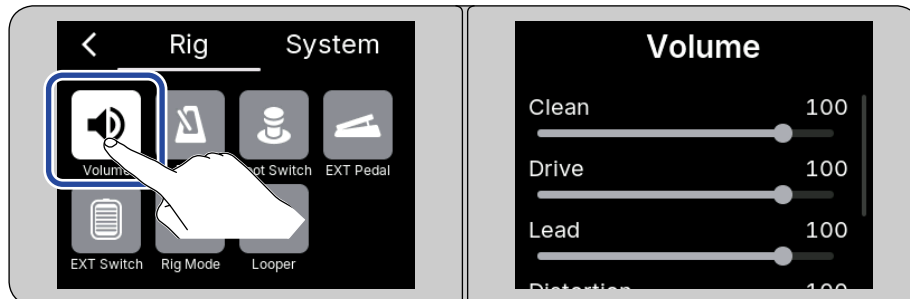


When you press the footswitch again, the footswitch indicator will light blue, and the effect on/off setting will return to the original setting.

Adjusting the Program volume

You can adjust the volume of each Program separately.

1. Touch the volume icon on the [Rig Menu Screen](#) (→ [Displaying the Rig Menu Screen](#))



2. Drag the bar of the Program for which you want to adjust the volume



The setting value is displayed numerically.

3. Touch the back icon
Returns to the Home Screen.

HINT

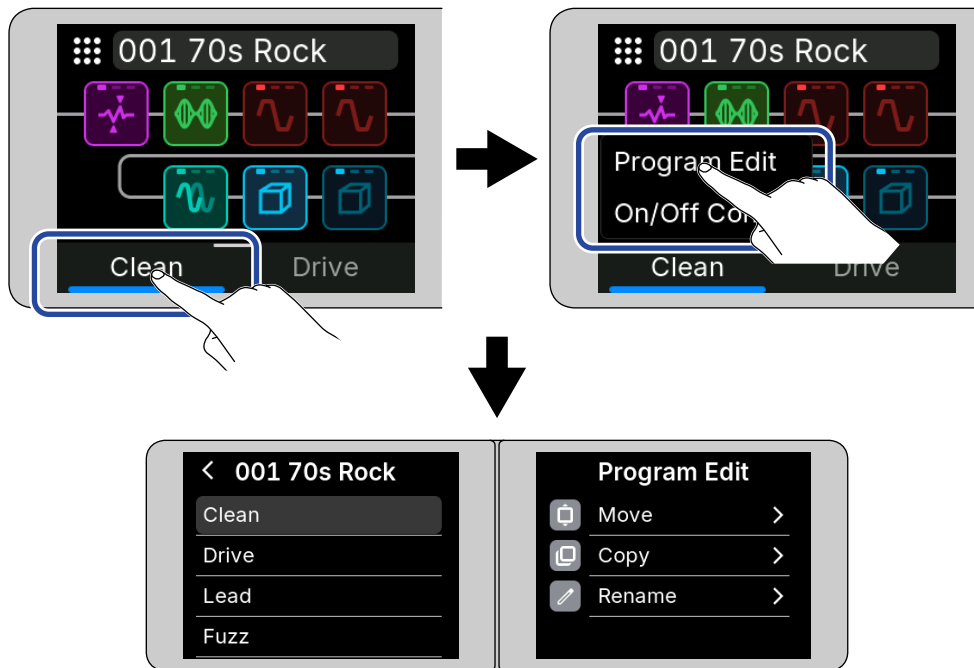
- For adjusting the overall volume, see "[Adjusting the Master Volume.](#)"
 - For adjusting the Rig volume, see "[Adjusting the Rig volume.](#)"
-

Managing a Program

You can copy Programs or change their names and order.

Displaying the Program List Screen

1. On the [HOME Screen](#) , select the Rig on which the Program you want to manage is registered (→ [Selecting a Rig](#))
2. Touch and hold the Program name and touch "Program Edit"
The Program List Screen is displayed.



The Program list is displayed on the left screen, and the Program management items are displayed on the right screen.

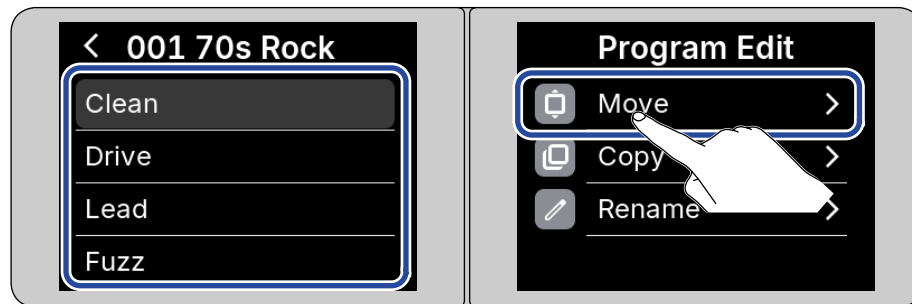
Touch the back icon to return to the HOME Screen.

HINT

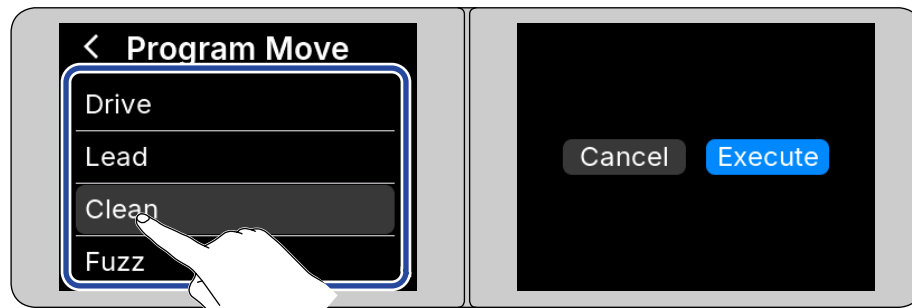
The Program List Screen can also be displayed by touching "Program" on the Rig List Screen. (→ [Displaying the Rig List Screen](#))

Changing the order of Programs

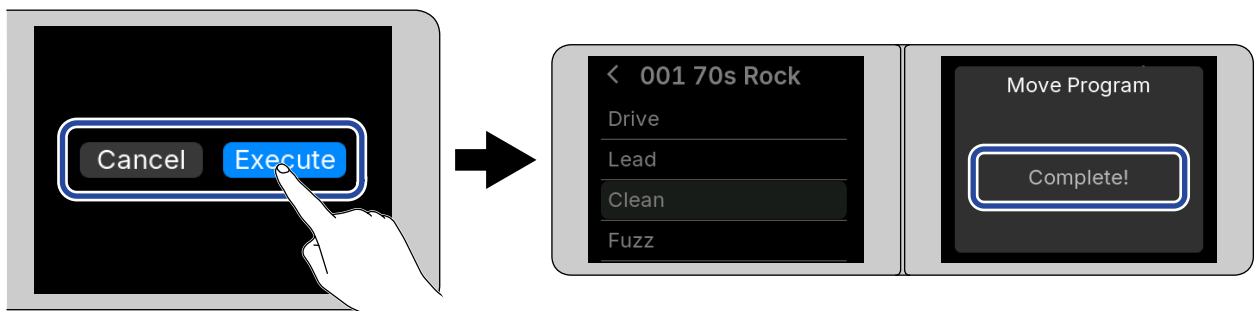
1. On the Program List Screen, select the Program whose order you want to change, then touch "Move" (→ [Displaying the Program List Screen](#))



2. Touch the destination



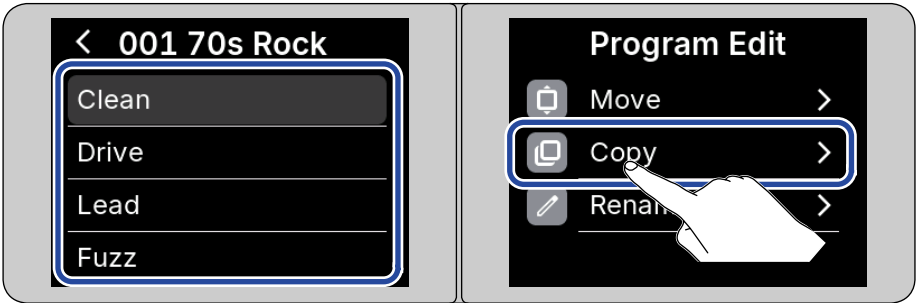
3. Touch "Execute"
"Complete!" appears and returns to the Program List Screen.



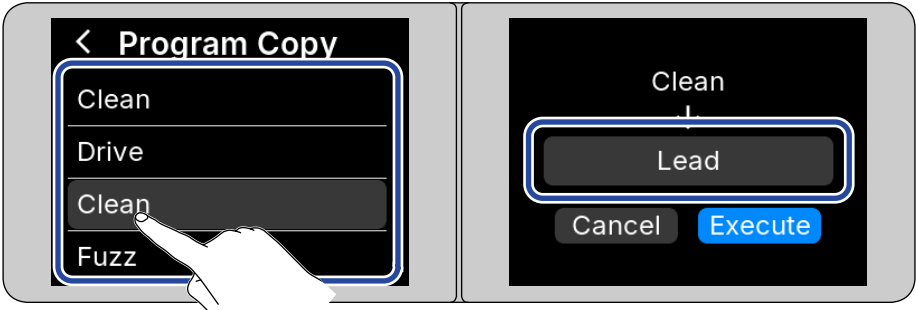
4. Touch the back icon
Returns to the previous screen (HOME Screen or Rig List Screen).

Copying a Program

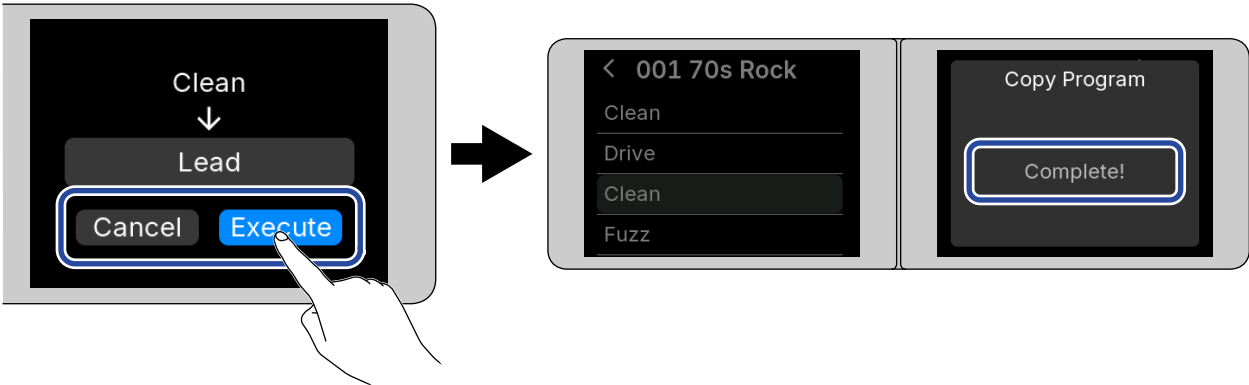
1. On the Program List Screen, select the Program you want to copy, then touch “Copy” (→ [Displaying the Program List Screen](#))



2. Touch the copy destination
The copy destination is displayed on the right screen.



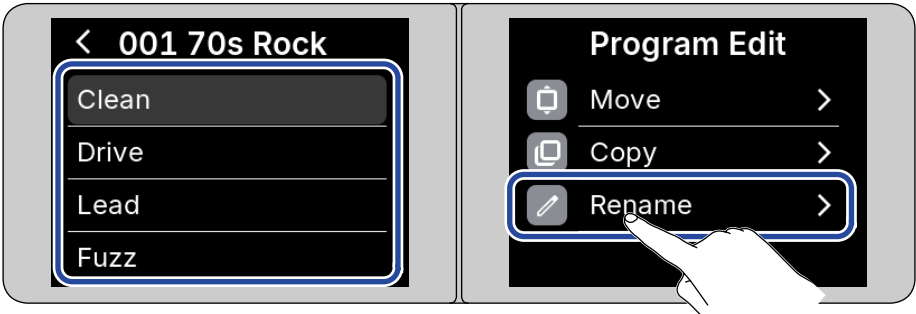
3. Touch “Execute”
“Complete!” appears and returns to the Program List Screen.



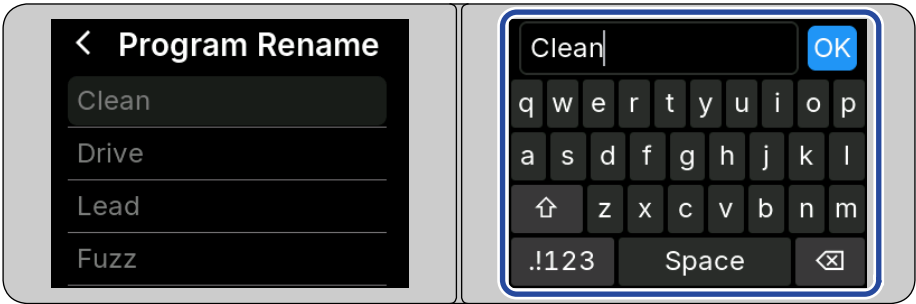
4. Touch the back icon
Returns to the previous screen (HOME Screen or Rig List Screen).

Renaming a Program

1. On the Program List Screen, select the Program you want to rename, then touch “Rename” (→ [Displaying the Program List Screen](#))



2. Touch the keys to input characters
See “[Character input screen](#)” for how to input characters.



3. Touch “OK”
Returns to the Program List Screen.

HINT

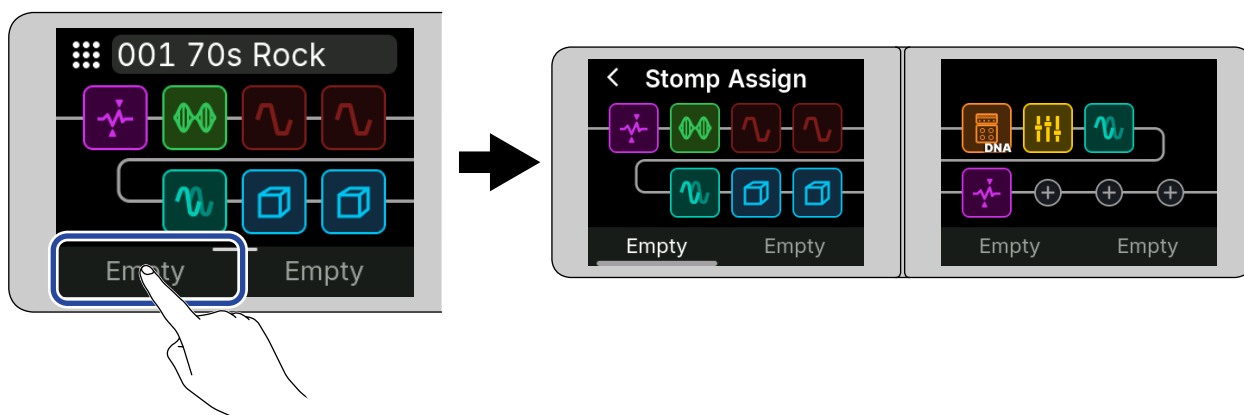
The characters and symbols that can be used are as follows.
! % & ' + , - . = _ (space) A-Z, a-z, 0-9

What you can do with Stomp mode

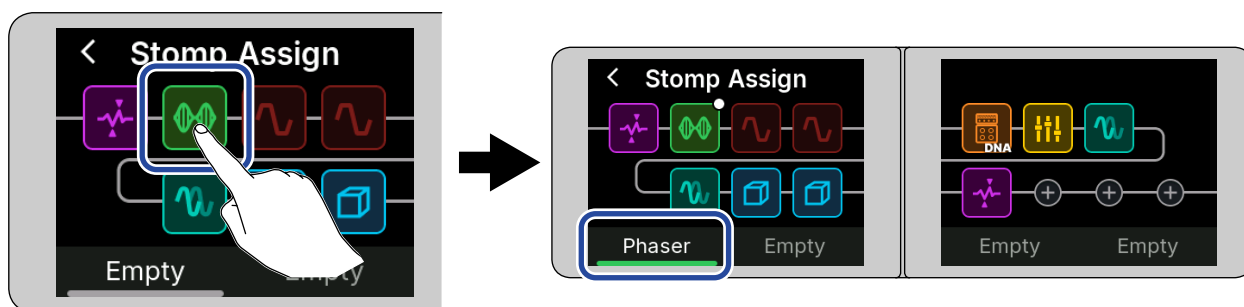
Changing footswitch assignments (Stomp mode)

When Stomp mode is selected, if the effect you want to switch on/off is not displayed on the [HOME Screen](#) or if “Empty” is displayed, you can use the following procedure to assign the effect to a footswitch.

1. On the [HOME Screen](#), touch and hold the effect name or “Empty” to which you want to assign effects. The Stomp Assign Screen is displayed.



2. Touch the effect you want to turn on/off
The selected effect is assigned to the footswitch, and the effect name is displayed.

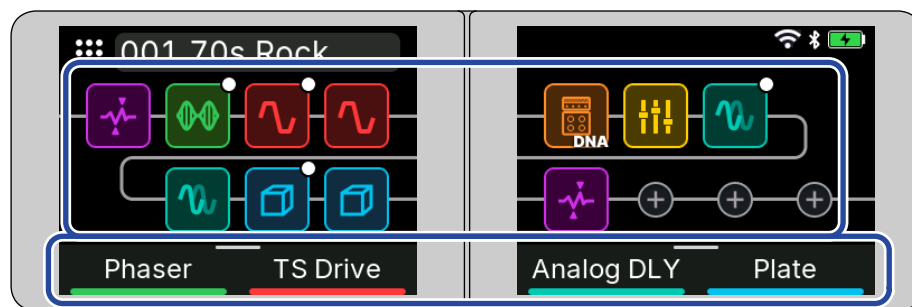


3. Repeat steps 1 and 2 to assign effects to the footswitches

HINT

When the Stomp Assign Screen is displayed, you can also select the position to which you want to assign the effect by pressing a footswitch.

4. Touch the back icon
Returns to the Home Screen.
A white dot appears in the upper right of the effect icon that can be turned on/off by pressing a footswitch.

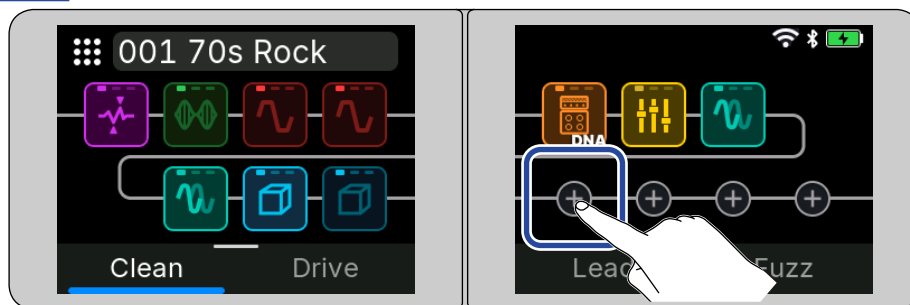


Changing Rig configuration

Adding effects

With NEURIG, you can freely combine 14 effects. (→ [Notes about the number of effects in a Rig](#))

1. On the [HOME Screen](#), touch the plus icon where you want to add an effect

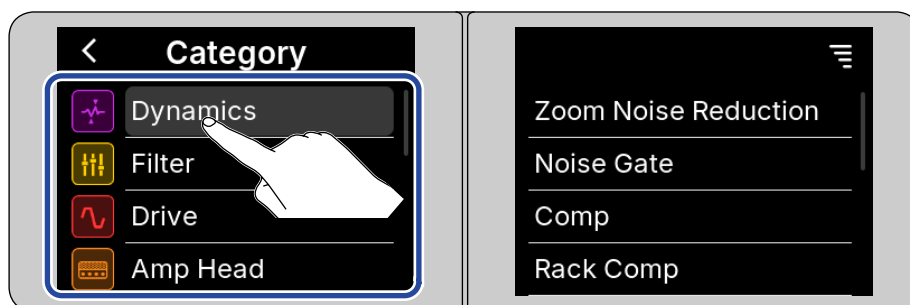


The Effect Selection Screen is displayed.

NOTE

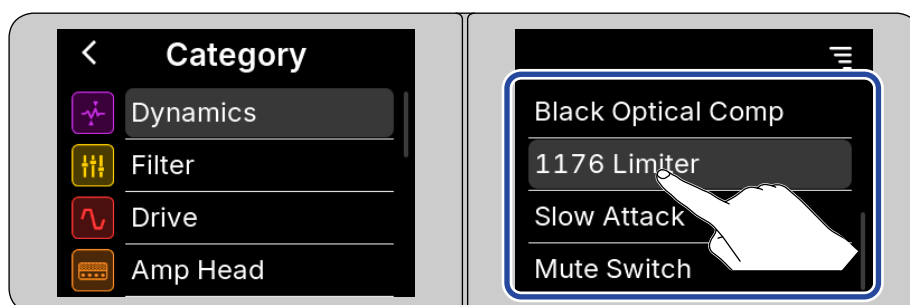
If 14 effects have already been registered, you cannot add effects. Delete unnecessary effects. (→ [Deleting effects](#))

2. Touch the category of the effect you want to add on the left screen



The selected category is highlighted.

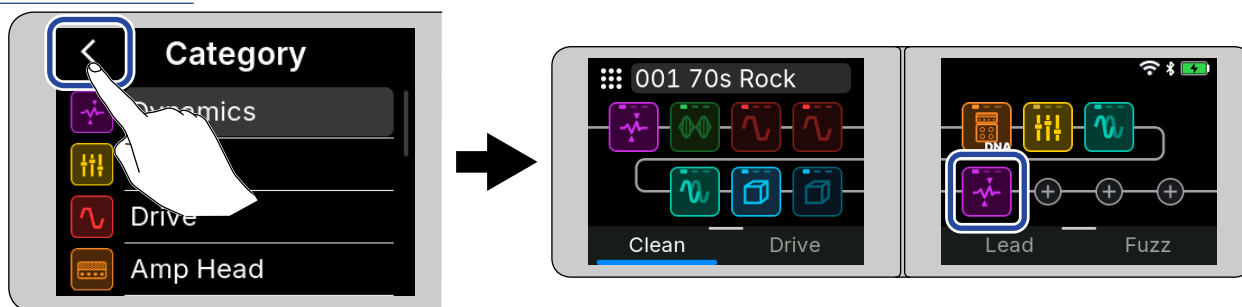
3. Touch the effect you want to add on the right screen



The selected effect is highlighted.

4. Touch the back icon

The [HOME Screen](#) is displayed, and the selected effect is registered.



Adjust the parameters of the added effect, as needed. (→[Adjusting effect parameters](#))

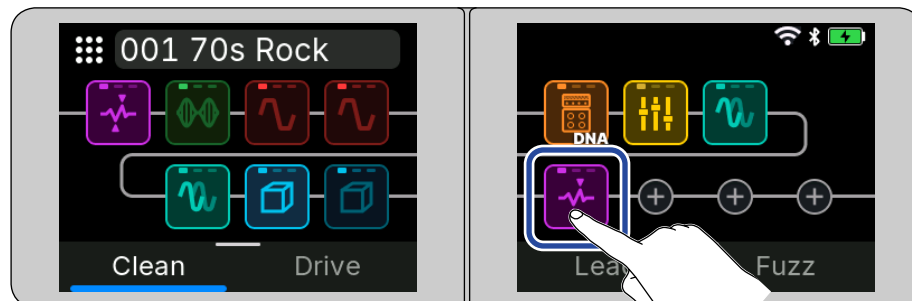
HINT

- When Program mode is selected, the effect is added to the selected Program with the effect turned on. For other Programs, the effect is turned off.
 - When Stomp mode is selected, the effect is assigned to a footswitch and added only if there is room for the effect that can be turned on/off by footswitches.
 - You can view the description of each effect in the "Effect List" (zoomcorp.com/help/neurig).
-

Deleting effects

Unnecessary effects can be deleted from the Rig.

1. On the [HOME Screen](#), touch and hold the effect you want to delete

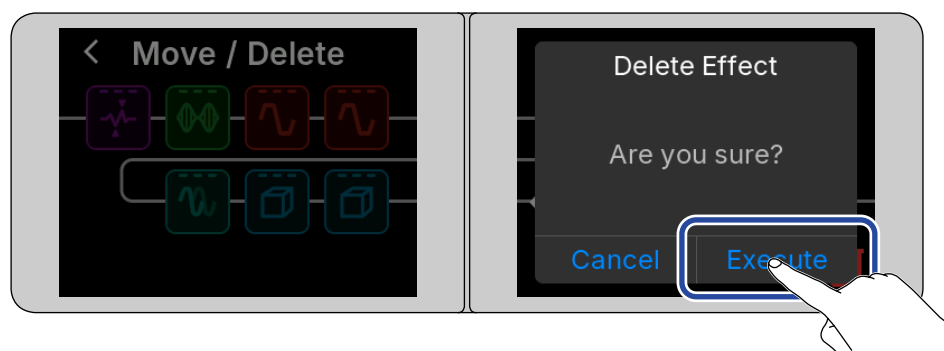


This opens the Move/Delete Screen.

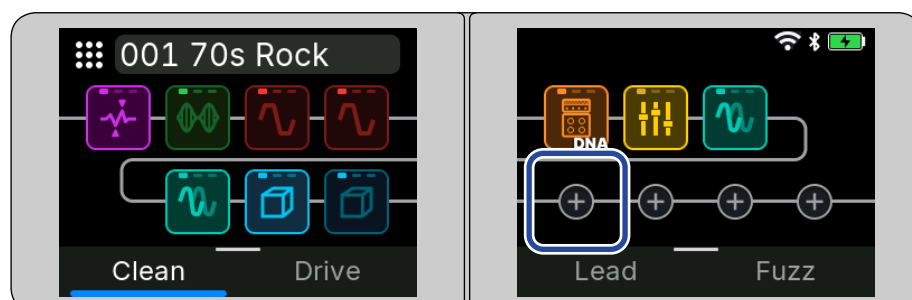
2. Touch the delete icon



3. Touch "Execute"



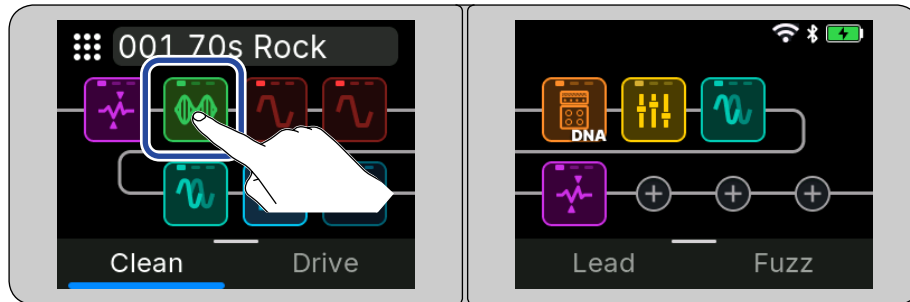
This deletes the selected effect and returns to the Home Screen.



A plus icon is displayed where the effect is deleted.

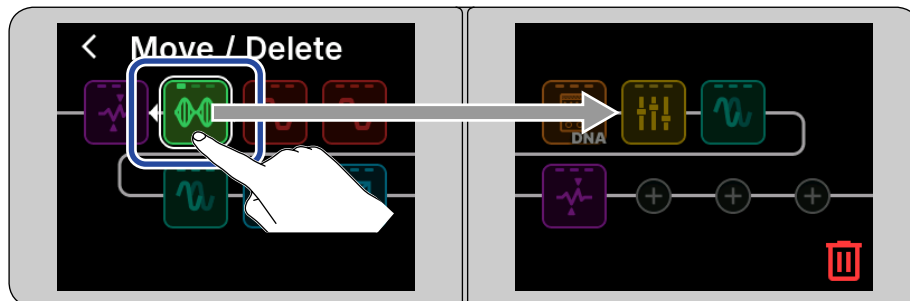
Changing the order of effects

1. On the [HOME Screen](#) , touch and hold the effect whose order you want to change



This opens the Move/Delete Screen.

2. Drag the effect to the position where you want to move it



The effect moves to the position you dragged.



3. Touch the back icon
Returns to the [HOME Screen](#) .

Setting the effects routing

You can add the following tools for modifying routing in a Rig, like adding effects.

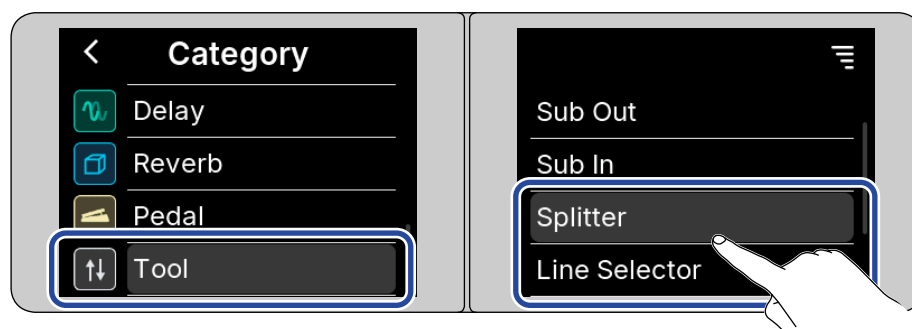
Tool	Description
Splitter	You can split the route into two and adjust the output level for each. ■ Usage example - Splitting the route in a Rig and placing effects in parallel (In this case, split routes are mixed with a Mixer.) - Connecting to two amps and playing them simultaneously
Line Selector	You can split the route into two and switch outputs by switching the Line Selector on/off. (The same role as an A/B box.) (→ Turning effects on/off on the Effect Edit Screen) ■ Usage example - Splitting the route in a Rig and switching between two effects routes (In this case, split routes are mixed with a Mixer.) - Connecting to two amps and switching between them

Tool	Description
Mixer 	You can mix the routes split into two by the Splitter or Line Selector and adjust the input level for each.

NOTE

- The position of the tools can be set freely, and the settings are stored for each Rig.
- Because tools are treated as effects in a Rig, they also affect the maximum number of effects. (→ [Notes about the number of effects in a Rig](#))

1. On the [HOME Screen](#), touch the plus icon where you want to add a tool
The Effect Selection Screen is displayed.
2. Touch "Tool" from "Category" and touch "Splitter," "Mixer," or "Line Selector" on the right screen



■ When "Splitter" is selected

The route is split into two, A and B, from the position of the Splitter icon. If you do not use a Mixer, the signal for route A (the route shown in the upper part of the screen) will be output from the LEFT/MONO jack, and the signal for route B (the route shown in the lower part of the screen) will be output from the RIGHT jack.

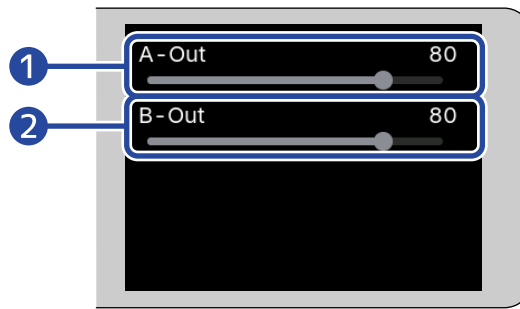
■ When "Line Selector" is selected

The route is split into two, A and B, from the position of the Line Selector icon. When Line Selector is turned on, A is selected, and when it is turned off, B is selected. If you do not use a Mixer, the signal for route A (the route shown in the upper part of the screen) will be output from the LEFT/MONO jack, and the signal for route B (the route shown in the lower part of the screen) will be output from the RIGHT jack.

■ When "Mixer" is selected

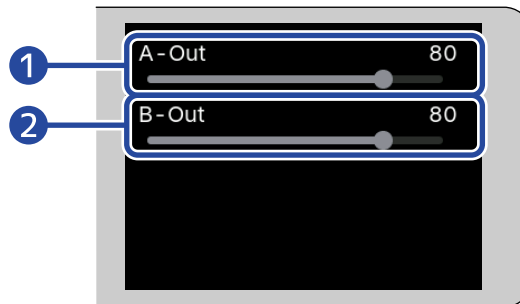
Two routes are mixed at the position of the Mixer icon. The Mixer can only be selected downstream of a Splitter or Line Selector.

3. Touch the back icon, and on the HOME Screen, touch the effect icon selected in step 2
The [Effect Edit Screen](#) is displayed.
4. Adjust respective parameters by dragging
 - When "Splitter" is selected



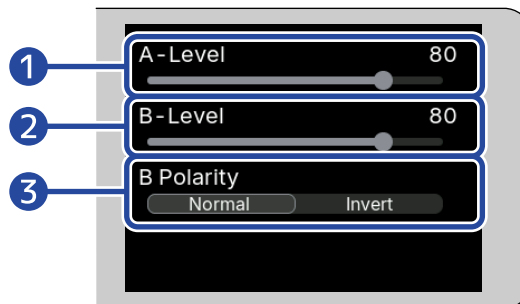
- ① Output level of A (upper route)
- ② Output level of B (lower route)

■ When “Line Selector” is selected



- ① Output level of A (upper route)
- ② Output level of B (lower route)

■ When “Mixer” is selected



- ① Input level of A (upper route)
- ② Input level of B (lower route)
- ③ Polarity of B (lower route)

You can invert the polarity if the mixed sound is not clear or the low-frequency range is light.

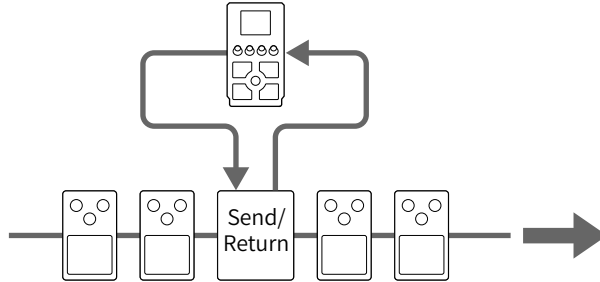
5. Touch the back icon
Returns to the [HOME Screen](#).

Using Send/Return

Send/Return lets you send a signal from anywhere in the Rig to an external effects unit and return the processed signal to the same position.

Send/Return is also a tool you can place in a Rig, like effects.

An external effects unit must be connected to the SEND/RETURN jacks of NEURIG.



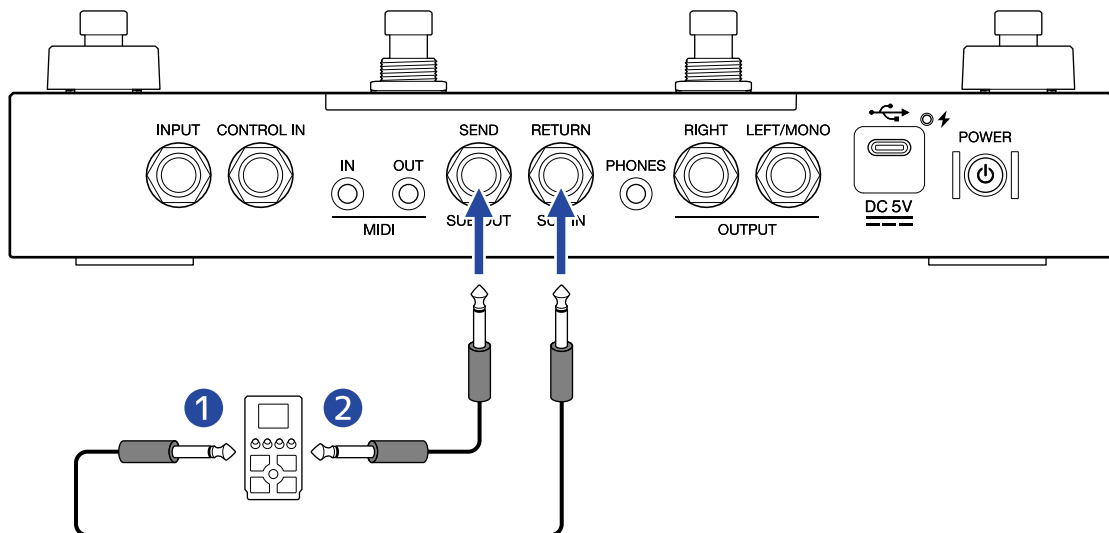
NOTE

- The position of Send/Return can be set freely, and the settings are stored for each Rig.
- Because Send/Return is treated as an effect in a Rig, it also affects the maximum number of effects. (→ [Notes about the number of effects in a Rig](#))

HINT

SEND/RETURN jacks are also used for four-cable connections. (→ [Using NEURIG with four-cable method](#))

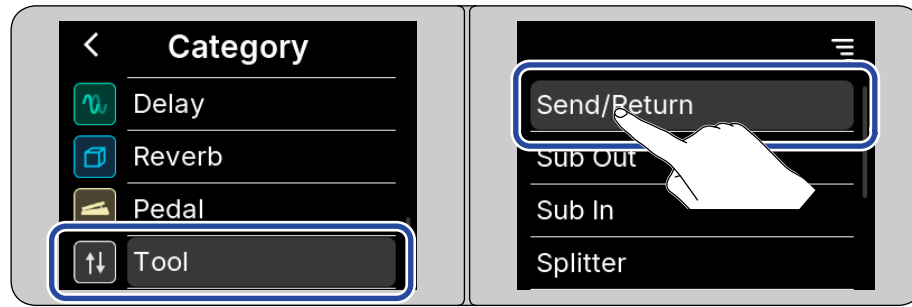
1. Connecting an external effects unit to NEURIG



- 1 Connect the OUTPUT jack of the external effects unit to the RETURN jack of NEURIG
- 2 Connect the INPUT jack of the external effects unit to the SEND jack of NEURIG

2. On the [HOME Screen](#) , touch the plus icon where you want to add Send/Return The Effect Selection Screen is displayed.

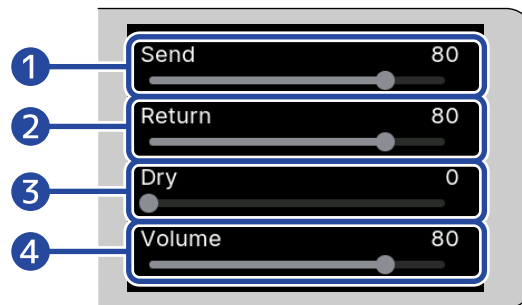
3. Touch "Tool" from "Category" and touch "Send/Return," on the right screen



The signal is output to the SEND jack at the position of the added "Send/Return" icon, and the signal input from the RETURN jack is returned to this position.

4. Touch the back icon, and touch the Send/Return effect icon
The [Effect Edit Screen](#) is displayed.

5. Adjust respective parameters by dragging



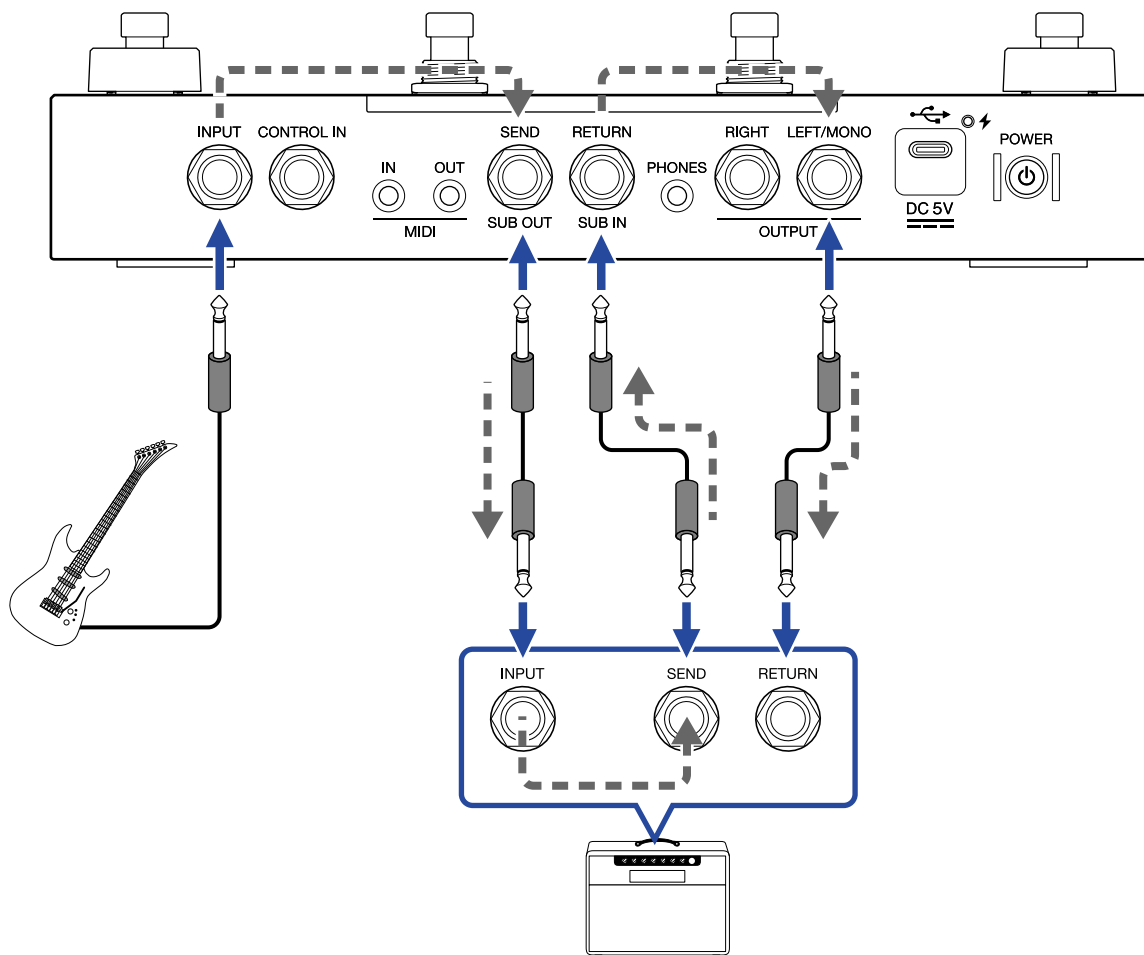
- ① Output level to the SEND jack
- ② Input level from the RETURN jack
- ③ Level of the signal that does not pass through the SEND/RETURN jacks
- ④ Overall output level of Send/Return

6. Touch the back icon
Returns to the [HOME Screen](#) .

Using NEURIG with four-cable method

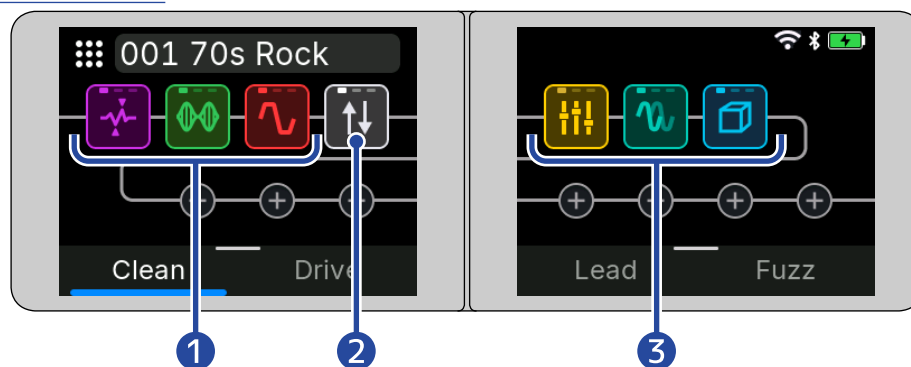
The four-cable method allows you to use the preamp section of an actual guitar amp on NEURIG. You can place distortion effects before the preamp, and modulation, delay, and reverb effects after the preamp. The output of NEURIG can be played through the power amp and speakers of the guitar amp.

1. Connect the guitar amp as shown below



Dashed arrows indicate the path of the signal.

2. Arrange effects (figure below is an arrangement example) (→ [Replacing effects](#), [Adding effects](#), [Changing the order of effects](#))



1 Effects placed before the preamp of a guitar amp (Example: Distortion type and booster type)

2 Send/Return tool (→ [Using Send/Return](#))

The signal is sent from this position to the guitar amp and returned to this position via the preamp of the guitar amp.

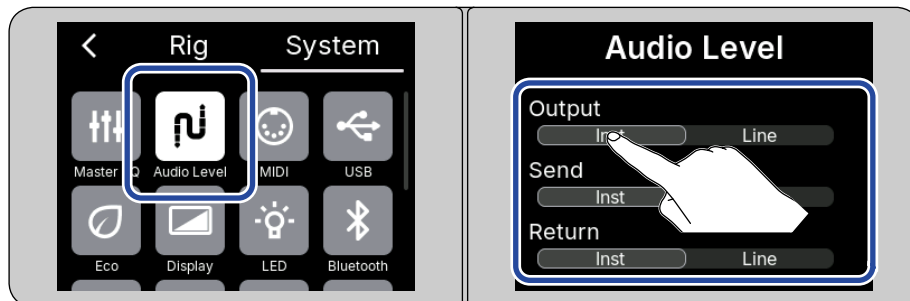
3 Effects placed after the preamp of a guitar amp (Example: Modulation, delay, and reverb types)

HINT

As a general example, after the distortion type and booster type effects are passed through the guitar amp's preamp, modulation, delay, and reverb effects are applied and then output to the guitar amp's power amp.

3. Touch the menu icon on the [HOME Screen](#) , then touch the System tab to display the [System Menu Screen](#) .

4. Touch the Audio Level icon, and touch "Output," "Send," and "Return" to configure the respective input/output settings (→ [Setting the reference output level for inputs and outputs](#))



Configure the inputs and outputs according to the jack specifications of the connected guitar amp. If you are connecting a jack of an instrument such as a guitar, select "Inst." If you are connecting a jack of a line-level device, select "Line." (Check the jack specifications in the operation manual of your guitar amp.)

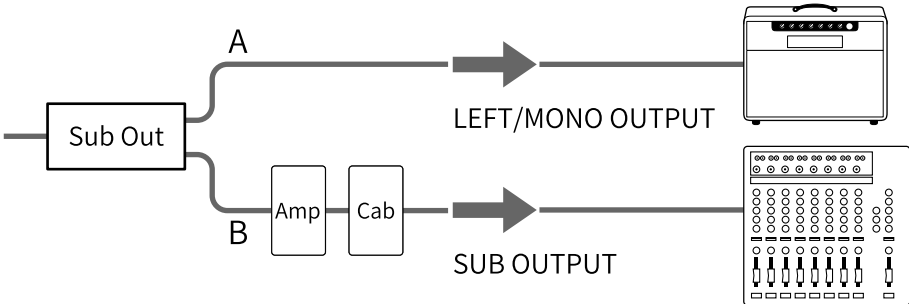
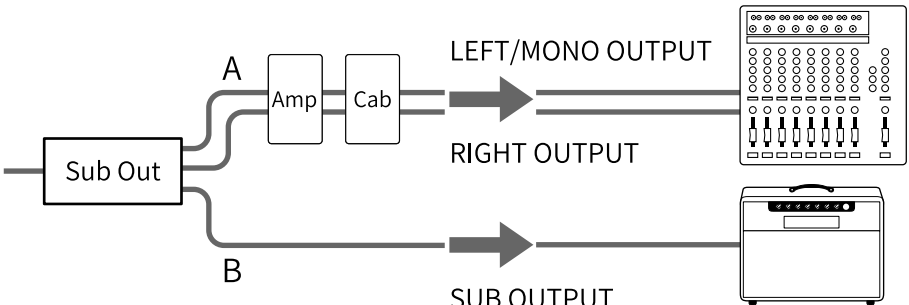
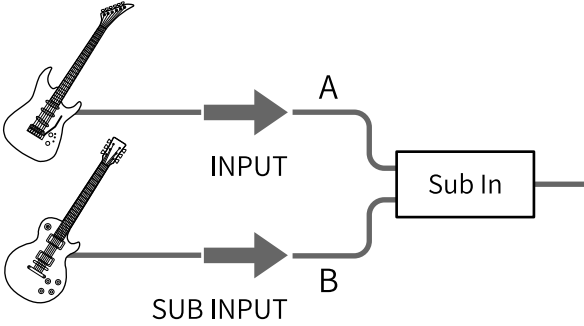
Setting item	Description
Output (Setting for NEURIG's OUTPUT jack)	Make sure to match the specifications of your guitar amp's RETURN jack. (Normally, select "Line.")
Send (Setting for NEURIG's SEND jack)	Make sure to match the specifications of your guitar amp's INPUT jack. (Normally, select "Inst.")
Return (Setting for NEURIG's RETURN jack)	Make sure to match the specifications of your guitar amp's SEND jack. (Normally, select "Line.")

5. Touch the back icon Returns to the [HOME Screen](#) .

Using SUB IN/OUT jacks

You can use the SUB IN/OUT jacks to output to a mixer or connect two guitars and switch between them while playing.

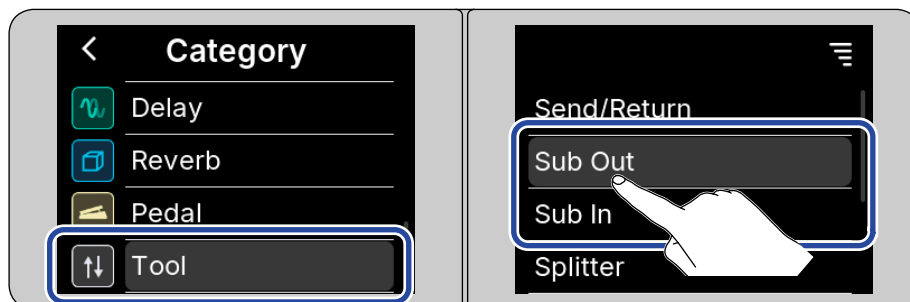
You can add the following tools as effects to use the SUB IN/OUT jacks in a Rig.

Tool	Description
Sub Out 	It branches from the route to the OUTPUT jacks to output to the SUB OUT jack. You can adjust the level sent to the OUTPUT jacks and the level sent to the SUB OUT jack. ■ Usage example - Separate the amp out and line output  The diagram shows a 'Sub Out' block with two outputs. Output A goes to a 'LEFT/MONO OUTPUT' represented by a speaker icon. Output B goes through an 'Amp' and 'Cab' block to a 'SUB OUTPUT' represented by a mixer icon. - Separate the output to the PA mixer from the monitor amp on the stage  The diagram shows a 'Sub Out' block with three outputs. Output A goes through an 'Amp' and 'Cab' block to a 'LEFT/MONO OUTPUT' and a 'RIGHT OUTPUT', both represented by mixer icons. Output B goes to a 'SUB OUTPUT' represented by a speaker icon.
Sub In 	Use the SUB IN jack to input. You can adjust the level of the INPUT jack and the level of the SUB IN jack. ■ Usage example Connect two guitars and switch between them while playing  The diagram shows two guitar icons. The top guitar connects to an 'INPUT' block, which then connects to output A of a 'Sub In' block. The bottom guitar connects to a 'SUB INPUT' block, which then connects to output B of the 'Sub In' block.

NOTE

- The position of the tools can be set freely, and the settings are stored for each Rig.
- Because tools are treated as effects in a Rig, they also affect the maximum number of effects. (→ [Notes about the number of effects in a Rig](#))

1. On the [HOME Screen](#), touch the plus icon where you want to add a tool
The Effect Selection Screen is displayed.
2. Touch "Tool" from "Category" and touch "Sub Out" or "Sub In" on the right screen



■ When "Sub Out" is selected

The route branches from the position of the Sub Out icon to send the signal to the SUB OUT jack.

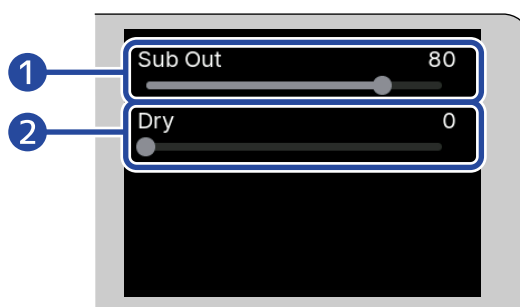
■ When "Sub In" is selected

The signal from the SUB IN jack is input at the position of the Sub In icon.

3. Touch the back icon, and on the HOME Screen, touch the effect icon selected in step 2
The [Effect Edit Screen](#) is displayed.

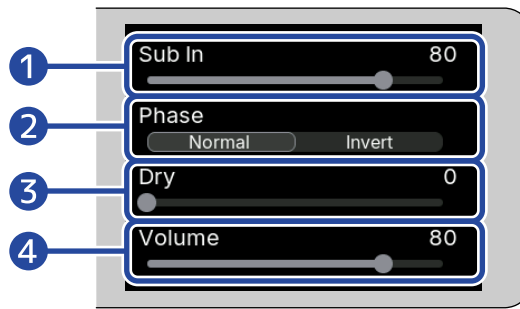
4. Adjust respective parameters by dragging

■ When "Sub Out" is selected



- 1 Output level to the SUB OUT jack (route B)
- 2 Output level to the OUTPUT jacks (route A)

■ When "Sub In" is selected



- ① Input level of the SUB IN jack (route B)
- ② Phase of the SUB IN jack
- ③ Input level of the INPUT jack (route A)
- ④ Output level

5. Touch the back icon
Returns to the [HOME Screen](#) .

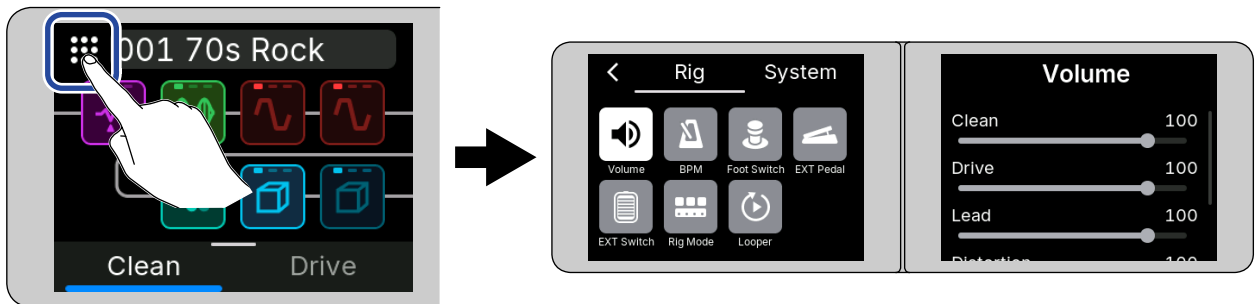
Setting a Rig

Displaying the Rig Menu Screen

Rig-specific settings, such as adjusting the Rig volume and tempo, are configured on the Rig Menu Screen.

1. On the [HOME Screen](#), select the Rig whose settings you want to change (→ [Selecting a Rig](#)), and touch the menu icon.

This opens the [Rig Menu Screen](#).

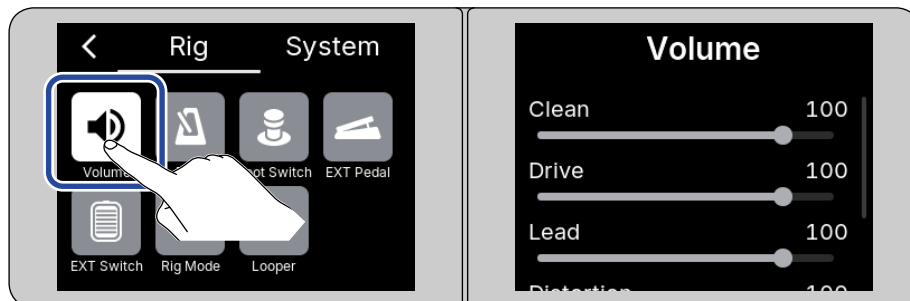


Touch the back icon to return to the [HOME Screen](#).

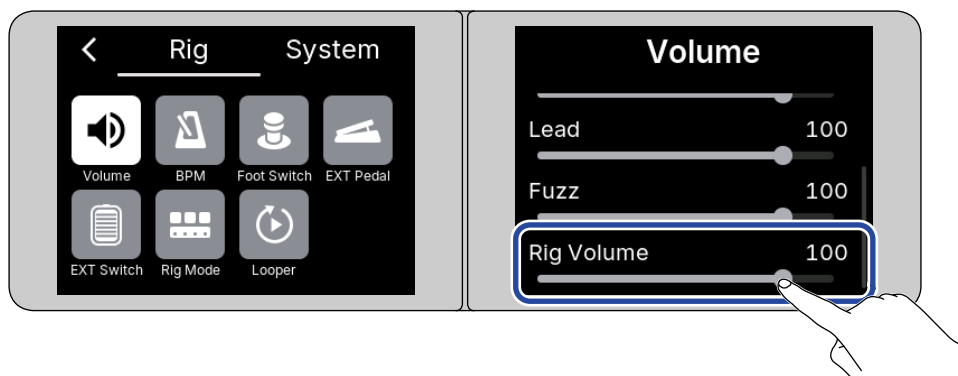
Adjusting the Rig volume

The volume is set for each Rig.

1. Touch the Volume icon on the [Rig Menu Screen](#) (→ [Displaying the Rig Menu Screen](#))



2. Adjust the volume by dragging "Rig Volume"



The setting value is displayed numerically.

HINT

You can also adjust the volume of each Program. (→ [Adjusting the Program volume](#))

3. Touch the back icon
Returns to the [HOME Screen](#).

HINT

For adjusting the overall volume, see "[Adjusting the Master Volume.](#)"

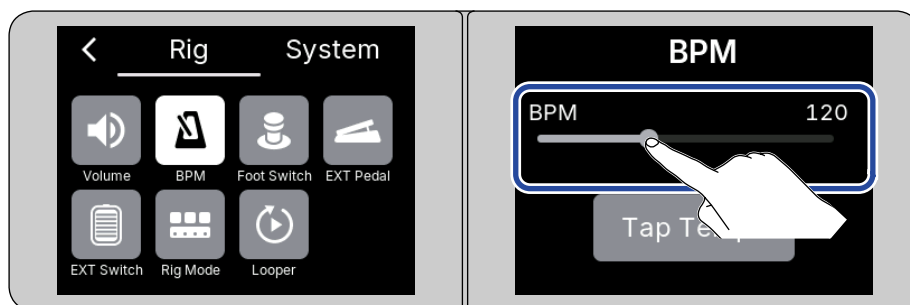
Adjusting the tempo

The tempo used by the looper, delay effects, and some modulation effects can be adjusted. Tempo is set for each Rig.

1. Touch the BPM icon on the [Rig Menu Screen](#) (→ [Displaying the Rig Menu Screen](#))

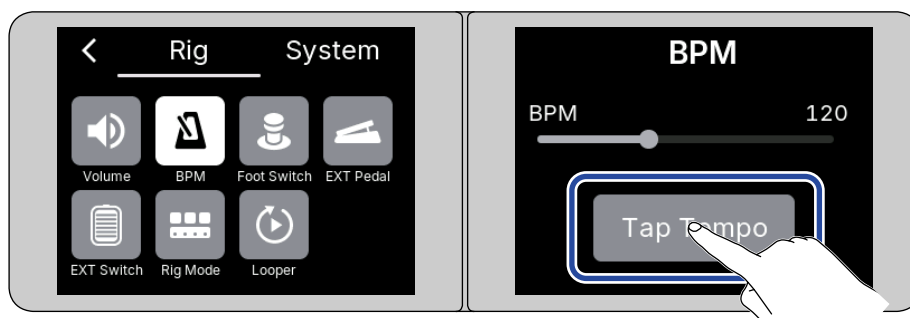


2. Adjust the tempo by dragging



The setting value is displayed numerically.

The tempo can also be set by touching "Tap Tempo" repeatedly.



3. Touch the back icon
Returns to the [HOME Screen](#) .

HINT

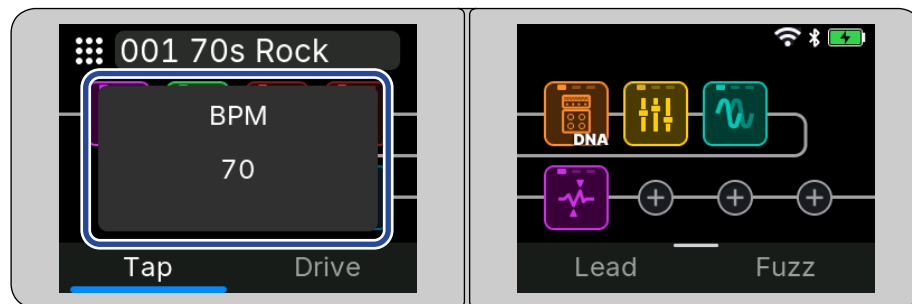
- The tempo can be set to ♩ = 40 to 250 per minute.
 - The tempo can also be set by pressing the NEURIG's footswitch or an external footswitch. (→ [Setting tempo by pressing the footswitch repeatedly \(tap tempo\)](#))
-

Setting tempo by pressing the footswitch repeatedly (tap tempo)

1. Assign the tap tempo function to a footswitch (→ [Setting functions controlled by footswitches](#))
The indicator of the footswitch to which the tap tempo function is assigned will flash at the tempo interval.



2. Press the footswitch continuously
The tempo is set at the interval at which you press the footswitch, and the tempo is displayed on the dual-touch screen.

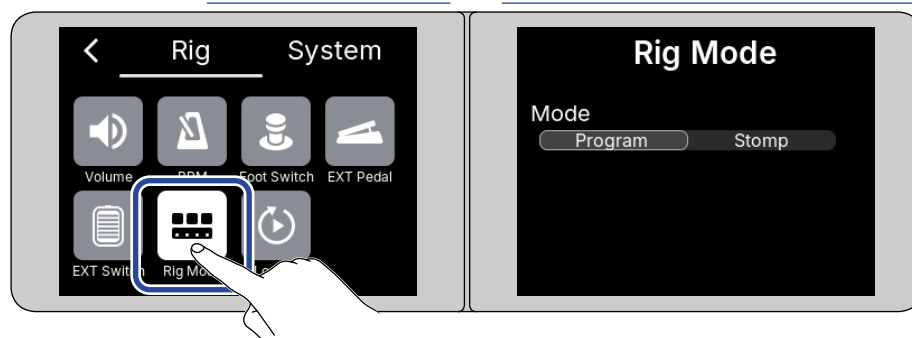


HINT

- The footswitch indicator that indicates the tap tempo will continue to flash at the tempo interval even if you change the screen. To turn off tap tempo, select another Rig or disable the tap tempo function on the footswitch. (→ [Setting functions controlled by footswitches](#))
 - The tap tempo function can also be assigned to an external footswitch. (→ [Using an external footswitch](#))
-

Switching Rig modes

1. Touch the Rig Mode icon on the [Rig Menu Screen](#) (→ [Displaying the Rig Menu Screen](#))



2. Touch the Rig mode



Setting	Description
Program	Program mode is set. The footswitches can be used to select Programs.
Stomp	Stomp mode is set. The footswitches can be used to switch effects on/off.

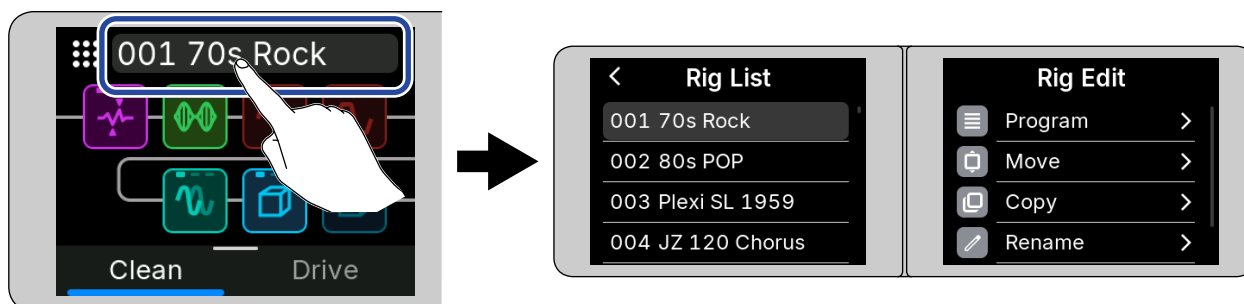
HINT

If the footswitch is set to "Tap Tempo," "All Bypass," or "Looper" in "[Setting functions controlled by footswitches](#)," the set function takes priority.

Managing Rigs

Displaying the Rig List Screen

1. On the [HOME Screen](#) , touch the Rig name you want to manage
This opens the Rig List Screen.



The list of Rigs is displayed on the left screen, and the management items are displayed on the right screen.

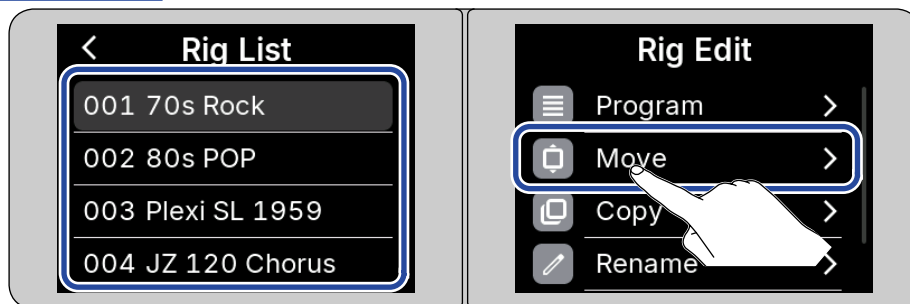
Touch the back icon to return to the [HOME Screen](#) .

HINT

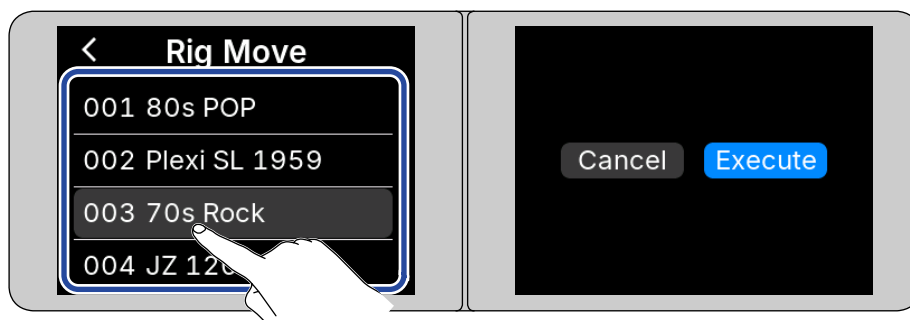
- If you touch "Program" on the Rig List Screen, you manage Programs. (→ [Managing a Program](#))
- "Program" is displayed only when the Rig mode is the Program mode. (→ [Switching Rig modes](#))

Changing the order of Rigs

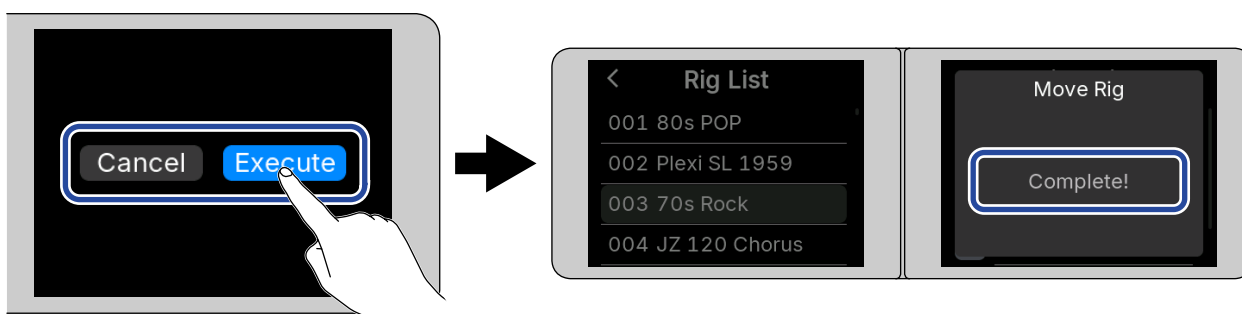
1. On the Rig List Screen, select the Rig whose order you want to change, then touch "Move" (→ [Displaying the Rig List Screen](#))



2. Touch the destination on the left screen
When you touch the destination, the Rig List with the moved Rig is displayed.



3. Touch "Execute"
This shows "Complete!" and returns to the Rig List Screen.

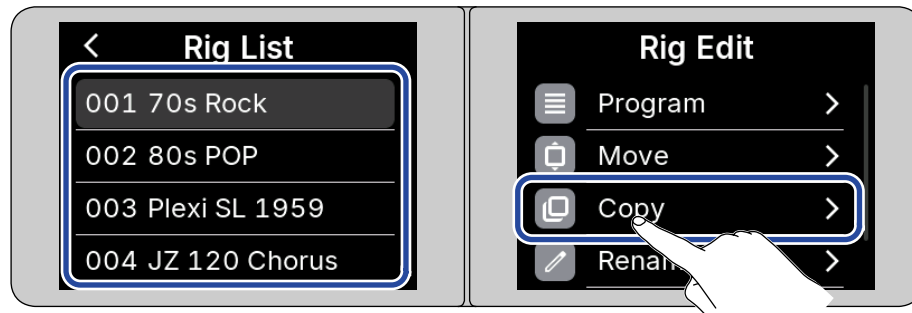


4. Touch the back icon
Returns to the [HOME Screen](#) .

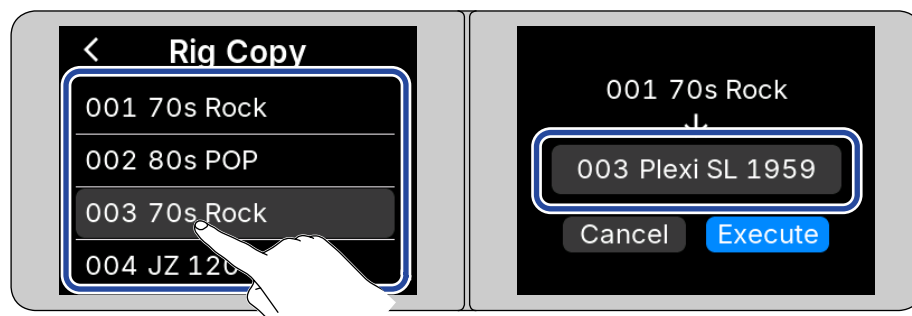
Copying a Rig

Rigs can be copied to other locations.

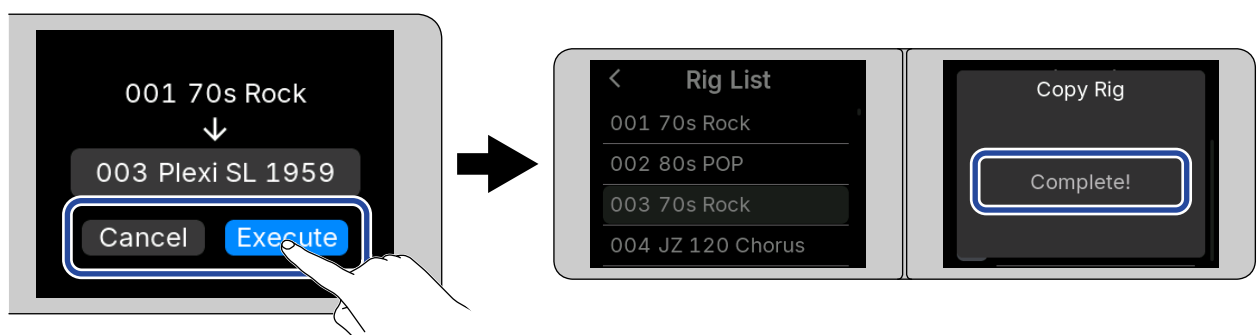
1. On the Rig List Screen, select the Rig you want to copy, then touch "Copy" (→ [Displaying the Rig List Screen](#))



2. Touch the copy destination
The copy destination is displayed on the right screen.



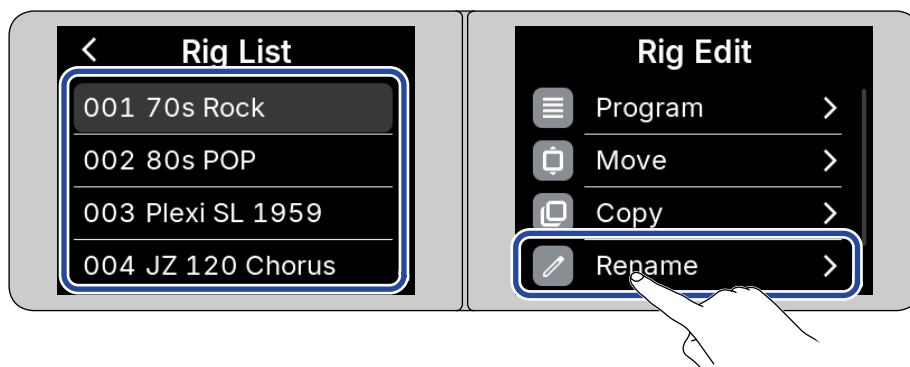
3. Touch "Execute"
This shows "Complete!" and returns to the Rig List Screen.



4. Touch the back icon
Returns to the [HOME Screen](#).

Renaming a Rig

1. On the Rig List Screen, select the Rig you want to rename, then touch “Rename” (→ [Displaying the Rig List Screen](#))



2. Touch the keys to input characters
See “[Character input screen](#)” for how to input characters.



3. Touch “OK”
Returns to the Rig List Screen.

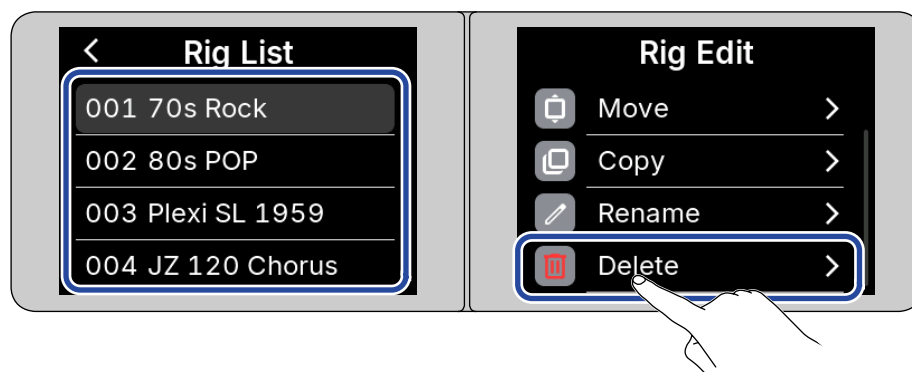
HINT

The characters and symbols that can be used are as follows.
! % & ' + , - . = _ (space) A-Z, a-z, 0-9

Deleting a Rig

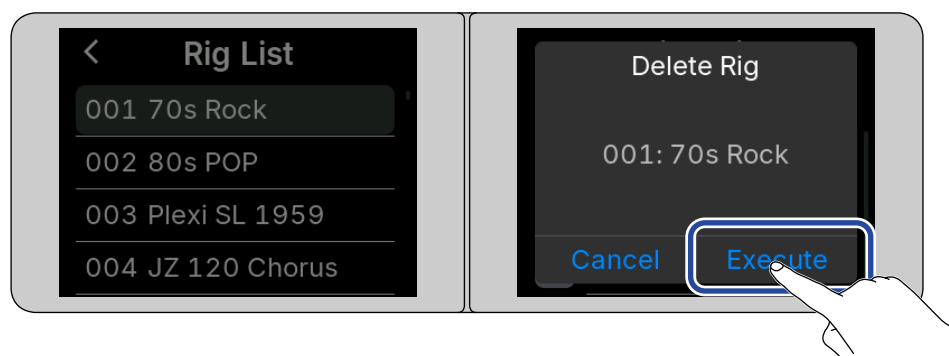
Unnecessary Rigs can be deleted.

1. On the Rig List Screen, select the Rig you want to delete, then touch "Delete" (→ [Displaying the Rig List Screen](#))

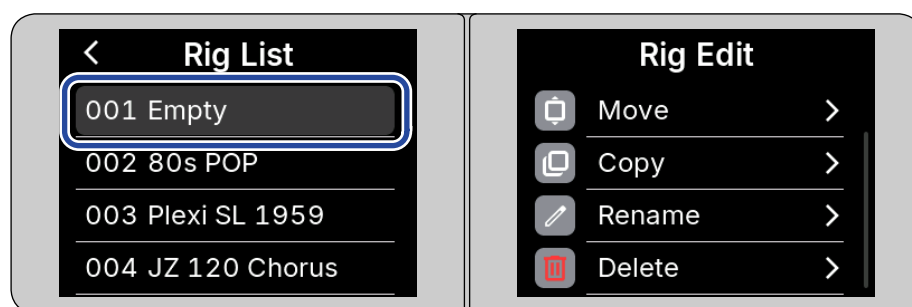


2. Touch "Execute"

This deletes the selected Rig and returns to the Rig List Screen.



The deleted Rig becomes empty and displays "Empty."



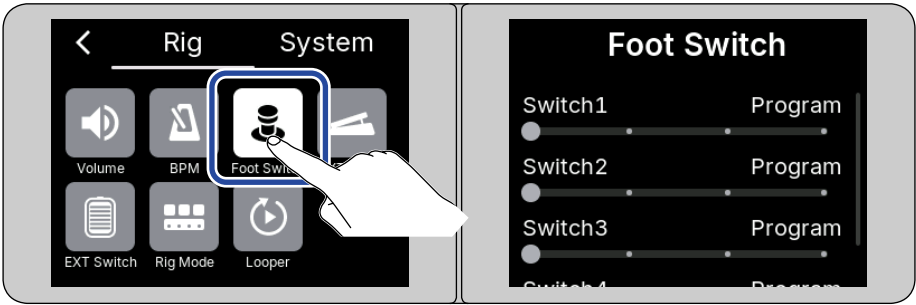
Touching "Cancel" cancels the deletion and returns to the Rig List Screen.

3. Touch the back icon
Returns to the [HOME Screen](#) .

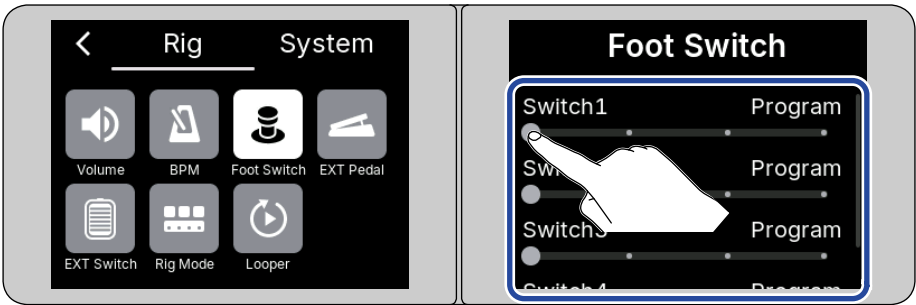
Setting functions controlled by footswitches

By assigning a function, the NEURIG’s footswitches can also be used to display the Tap Tempo, Bypass, and Looper Screens.

- 1. Display the [Rig Menu Screen](#) for the Rig for which you want to set a footswitch (→ [Displaying the Rig Menu Screen](#))
- 2. Touch the Foot Switch icon



- 3. Select the function controlled by the footswitch



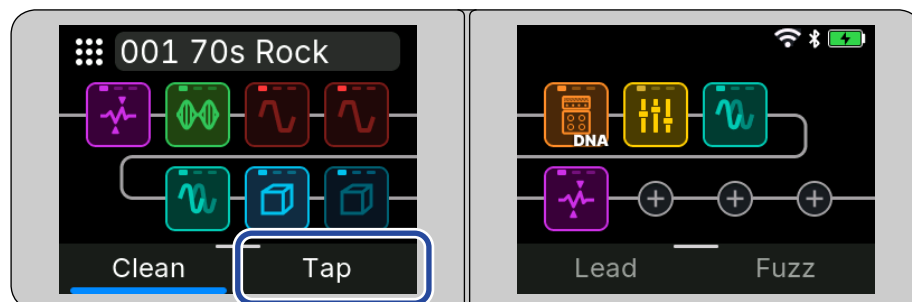
A function can be set for Switch1 to Switch4 respectively.

Setting	Description
Program/ Stomp	The display and footswitch function change depending on the Rig mode. (→ Switching Rig modes) • When Program mode is selected: “Program” is displayed and a Program is selected for footswitches. • When Stomp mode is selected: “Stomp” is displayed and the footswitches are used to switch effects on/off.
Tap Tempo	This adjusts the Rig tempo. (→ Setting tempo by pressing the footswitch repeatedly (tap tempo))
All Bypass	Effects are bypassed and the guitar sound is output.
Looper	The Looper Screen is displayed, and the looper is enabled. (→ Using the looper)

4. Touch the back icon

Returns to the [HOME Screen](#).

The function assigned to the footswitch is displayed instead of the Program name/effect name on the HOME Screen.

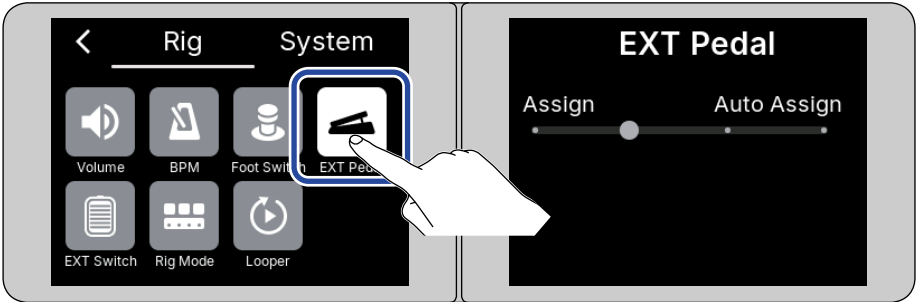


Using an external expression pedal

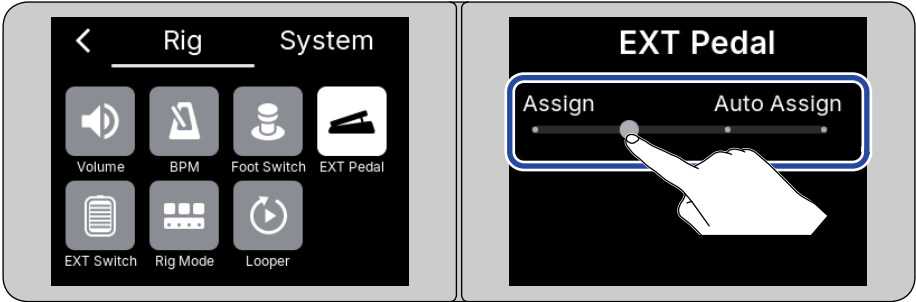
When an external expression pedal (ZOOM FP02M) is connected, the effects in the Pedal category (wah pedal, pitch shifter, etc.) can be used to change how the effect is applied. An external expression pedal can also be used as a volume pedal.

1. Display the [Rig Menu Screen](#) for the Rig for which you want to set an external expression pedal (→ [Displaying the Rig Menu Screen](#))

2. Touch the EXT Pedal icon

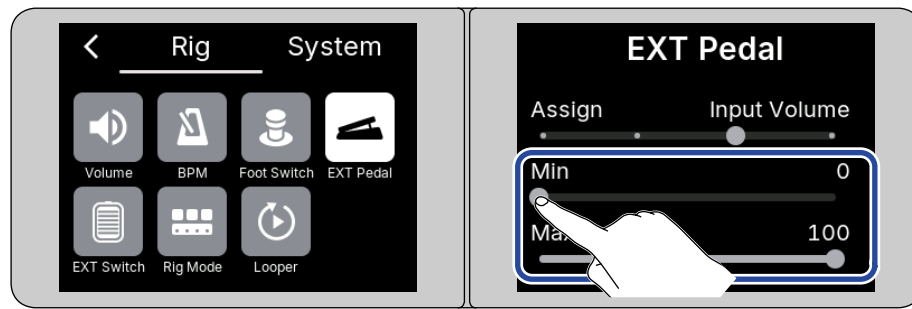


3. Select the function you want to assign by dragging “Assign”



Setting	Description
No Assign	No function is assigned to the external expression pedal.
Auto Assign	Automatically assigned to controlling the effects in the Pedal category.
Input Volume	Adjusts the input volume.
Output Volume	Adjusts the output volume.

4. If you selected “Input Volume” or “Output Volume” in step 3, use “Min” and “Max” to set the range of parameter adjustment by dragging.



- Min: Sets the parameter value when the pedal is not pressed (in the full-up position).
- Max: Sets the parameter value when the pedal is pressed all the way down.

5. Touch the back icon
Returns to the [HOME Screen](#) .

HINT

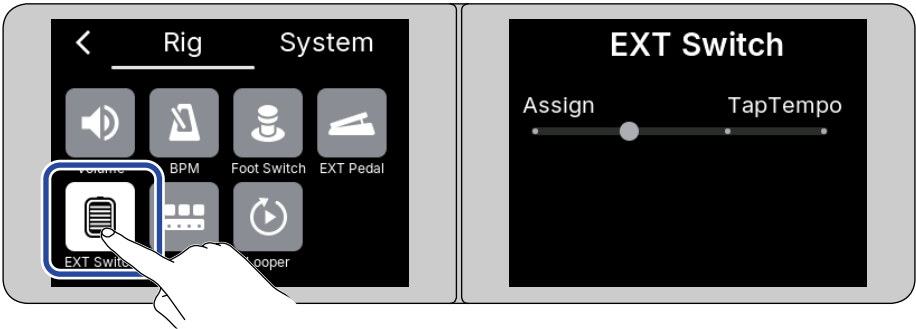
You can register multiple Pedal effects to a Rig and control them simultaneously with an external expression pedal.

Using an external footswitch

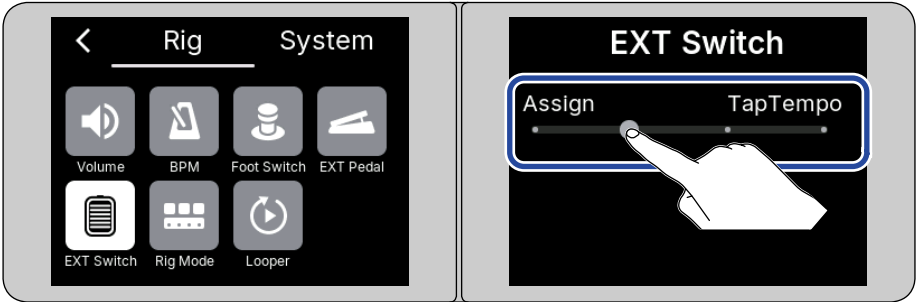
By connecting an external footswitch to NEURIG and assigning functions to it, you can use it for adjusting tap tempo, bypassing effects, and displaying the Tuner Screen.

1. Display the [Rig Menu Screen](#) for the Rig for which you want to set an external footswitch (→ [Displaying the Rig Menu Screen](#))

2. Touch the EXT Switch icon



3. Select the function controlled by the external footswitch



Setting	Description
No Assign	No function is assigned to the external footswitch.
Tap Tempo	This adjusts the Rig tempo. (→ Setting tempo by pressing the footswitch repeatedly (tap tempo))
All Bypass	Effects are bypassed and the guitar sound is output.
Tuner	The Tuner Screen is displayed, and the tuner is enabled. (→ Using the tuner)

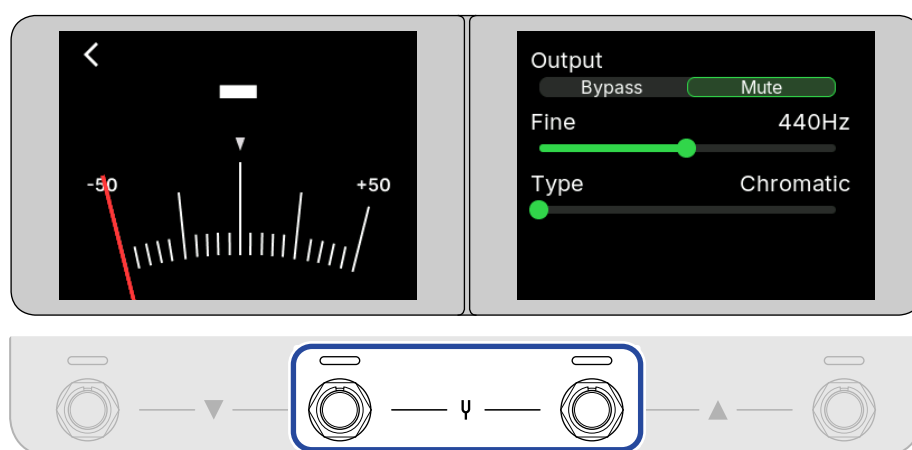
4. Touch the back icon
Returns to the [HOME Screen](#) .

Using the tuner

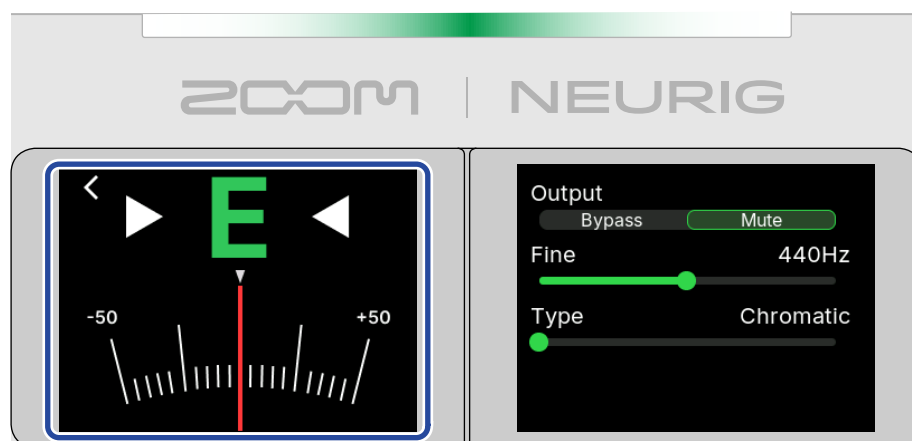
Enabling the tuner

Enable the tuner to use NEURIG to tune a guitar.

1. On the [HOME Screen](#), press footswitches 2 and 3 simultaneously
This enables the tuner and opens the Tuner Screen on the dual-touch screen.



2. Play the open string that you want to tune and adjust its pitch



- The nearest note name and pitch detuning will be shown.
- When the pitch is in tune, the note name is displayed in green. (The center of the status indicator lights green.)

HINT

By assigning the function to recall the Tuner Screen to an external footswitch, you can display the Tuner Screen by using the pedal. (→ [Using an external footswitch](#))

Closing the tuner

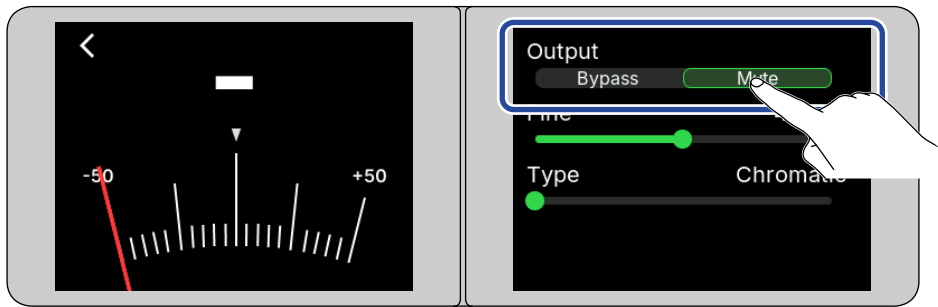
- Pressing any footswitch while using the tuner closes the tuner and returns to the [HOME Screen](#) .
- Touching the back icon on the Tuner Screen returns to the [HOME Screen](#) .

Changing tuner settings

The standard pitch used by the tuner and the tuner type can be changed. Flat tuning is also possible.

Setting the output method

Touch “Output” on the Tuner Screen, then touch an output method.



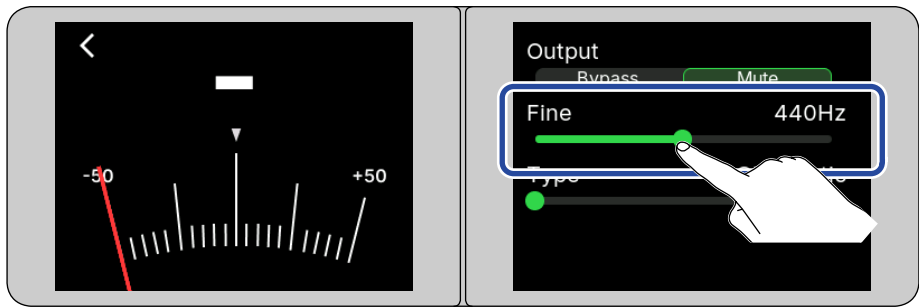
Setting	Description
Bypass	Effects are bypassed and the guitar sound is output.
Mute	The guitar sound is not output.

HINT

Adjusting the EQ and volume of a guitar amp, for example, is easier if the NEURIG effects are bypassed.

Changing the standard pitch of the tuner

Touch “Fine” on the Tuner Screen and change the standard pitch by dragging.

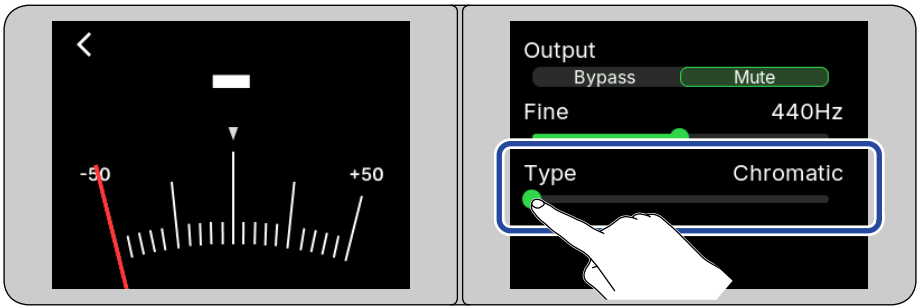


HINT

The setting range is 430 to 450 Hz for middle A.

Selecting the tuner type

Touch “Type” on the Tuner Screen and select the tuner type by rotating the CONTROL knob.

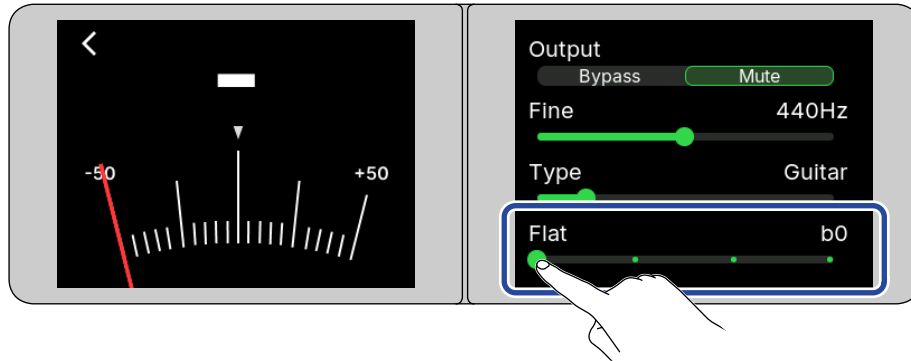


Setting	Description
Chromatic	The pitch detuning is shown according to the nearest note (in semitones).
Other tuner types	The nearest string number is shown according to the selected type, and the amount of detuning from its pitch is shown. The following tuner types can be selected.

Display	Explanation	String number/note						
		7	6	5	4	3	2	1
Guitar	Standard guitar tuning with a 7th string	B	E	A	D	G	B	E
Open A	Open A tuning (open strings play A chord)	-	E	A	E	A	C#	E
Open D	Open D tuning (open strings play D chord)	-	D	A	D	F#	A	D
Open E	Open E tuning (open strings play E chord)	-	E	B	E	G#	B	E
Open G	Open G tuning (open strings play G chord)	-	D	G	D	G	B	D
DADGAD	Alternate tuning often used for tapping and other techniques	-	D	A	D	G	A	D

Using flat tunings

All strings can be tuned flat from an ordinary tuning by 1 ($\flat \times 1$), 2 ($\flat \times 2$), or 3 ($\flat \times 3$) semitones. Touch “Flat” on the Tuner Screen and set a flat tuning by rotating the CONTROL knob.



NOTE

Flat tuning cannot be used when the tuner type is “Chromatic.” (→ [Selecting the tuner type](#))

Using the looper

Playing can be record to create loop phrases that are up to 45 seconds long.

Switching screens during phrase recording and playback

During looper recording and playback, it will continue recording or playing even if footswitch 4 is pressed to return to the [HOME Screen](#) or switch to other screens.

When the [Rig Menu Screen](#) is displayed, recording/playback stops.

NOTE

Recorded phrases are cleared when you switch Rigs or turn off NEURIG.

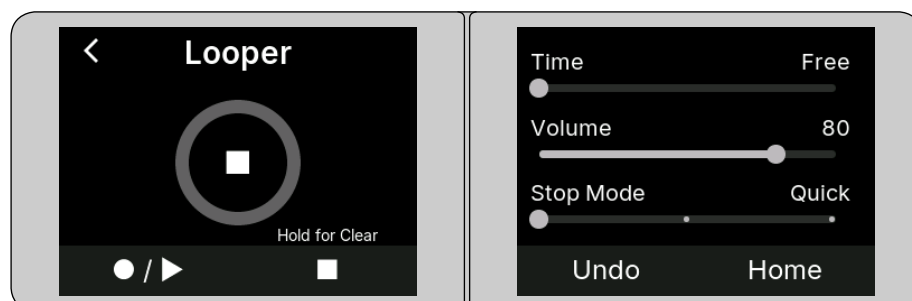
Notes about the looper tempo

- The looper tempo is also used by the Rig.
- The tempo can be set as explained in "[Adjusting the tempo.](#)"
- Loop phrases recorded while the looper recording time is set to "J x 1 to 64" will be cleared when the tempo is changed. (→ [Setting the recording time](#))

Enabling the looper

By enabling the looper, you can play the looper and configure the looper settings.

1. Touch the Looper icon on the [Rig Menu Screen](#) (→ [Displaying the Rig Menu Screen](#))
This enables the looper and opens the Looper Screen on the dual-touch screen.



You can use the dual-touch screen or footswitch to record, play, stop, and configure the looper.

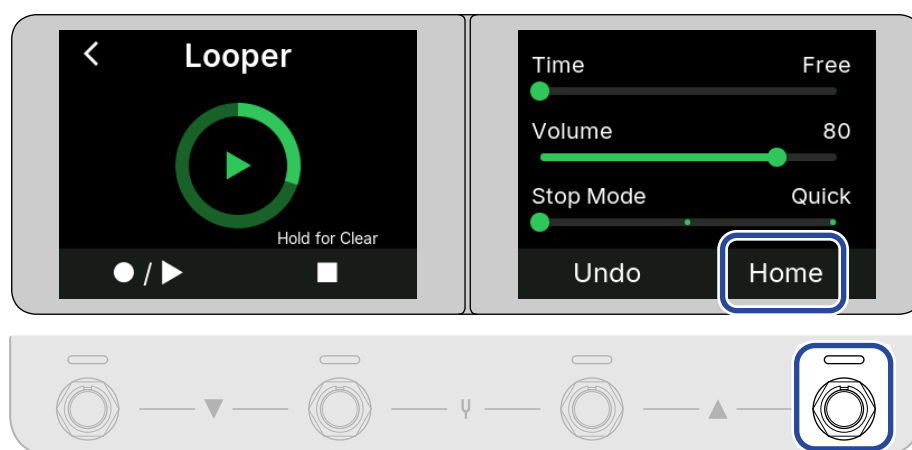
HINT

You can also assign the looper function to a footswitch and display the Looper Screen by pressing the footswitch on the [HOME Screen](#). (→ [Setting functions controlled by footswitches](#))

Returning to the HOME Screen

During looper recording/playback, it will continue recording/playing even if you return to the [HOME Screen](#).

1. Press footswitch 4 (or touch "HOME" or the back icon)



This opens the HOME Screen.

HINT

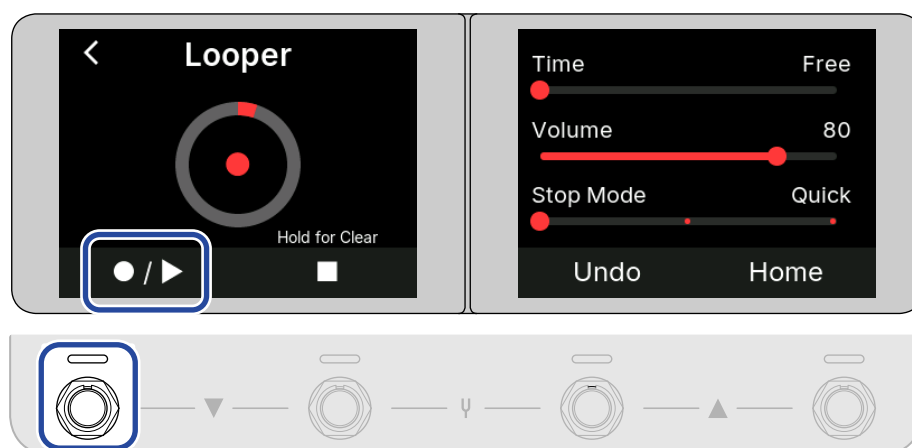
Touching the back icon stops recording/playback, and returns to the [Rig Menu Screen](#).

Operating the looper

Looper recording/playback and other operations are performed while the Looper Screen is displayed. (→ [Enabling the looper](#))

Recording loops

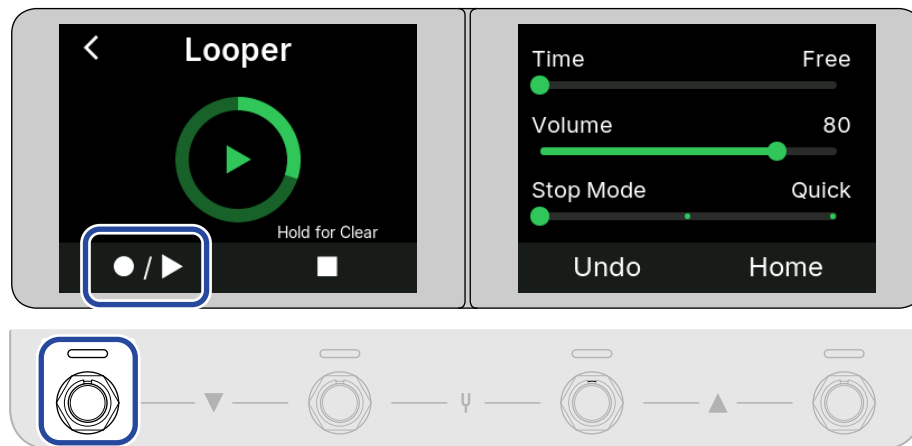
1. With no loop recorded, press footswitch 1 (or touch the record/play icon)



Recording will start, and the status indicator will light red.
Press footswitch 2 to cancel recording.

Stopping recording and starting loop playback

1. During recording, press footswitch 1 (or touch the record/play icon)



Recording will stop and loop playback will start.
During playback, the status indicator will light green.

NOTE

- If the maximum recording time is reached, recording will stop and loop playback will start.
- If the recording time is set to “J x 1 to 64”, recording will stop and loop playback will start after the set recording time has elapsed. (→ [Setting the recording time](#))

Stopping playback

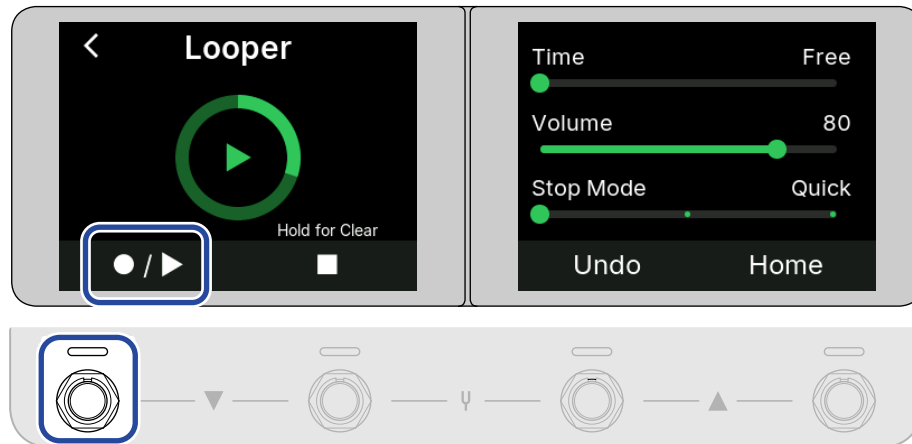
1. During playback, press footswitch 2 (or touch the stop icon)



The playback will stop and the status indicator will go off.

Starting loop playback of the recorded phrase

1. While stopped, press footswitch 1 (or touch the record/play icon)



Playback will start, and the status indicator will light green.

Adding performances to recorded loops (overdubbing)

1. During playback, press footswitch 1 (or touch the record/play icon)



Overdubbing will start, and the status indicator will light orange.

- When the end of the loop is reached, loop playback will continue from the beginning, and overdubbing can be repeated.
- During overdubbing, press footswitch 1 to stop overdubbing, but continue loop playback.

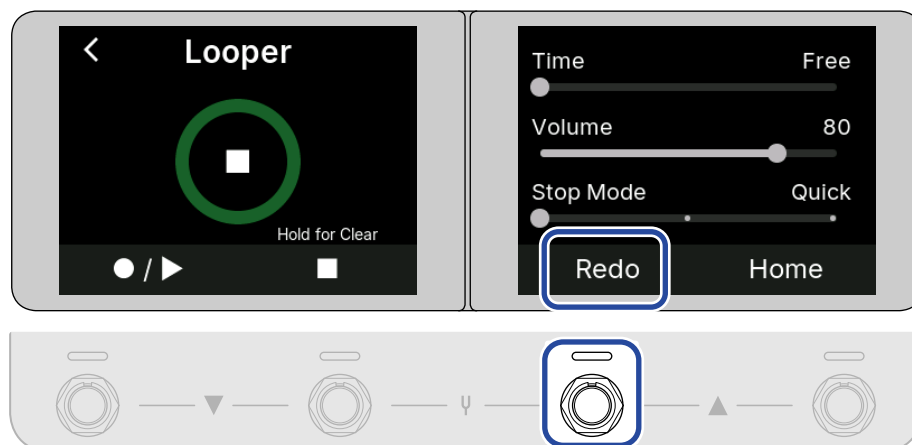
Erasing the last overdubbed phrase (UNDO function)

1. Press footswitch 3 (or touch "UNDO")



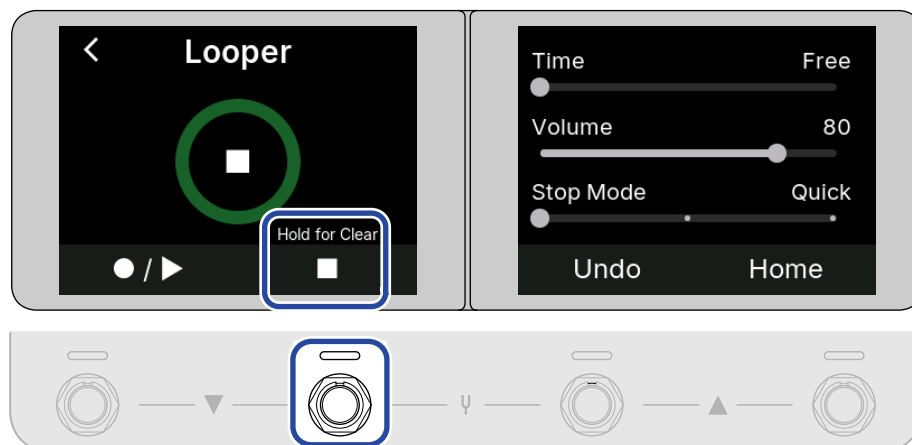
Restoring an undone overdub (REDO function)

1. In the UNDO state, press footswitch 3 (or touch "REDO")



Clearing loops

1. While stopped, press and hold footswitch 2 (or touch and hold the stop icon)



This clears the recorded loop.

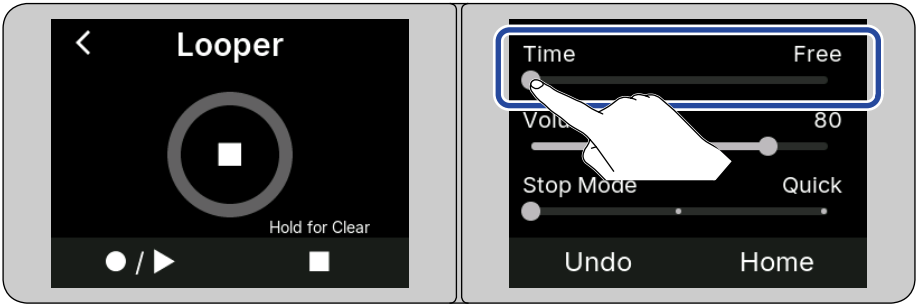
Setting the looper

You can configure the various looper settings (recording time, phrase playback stop, and phrase playback volume).

Setting the recording time

The recording time for the loop can be set.

1. On the Looper Screen, select settings by dragging "Time."

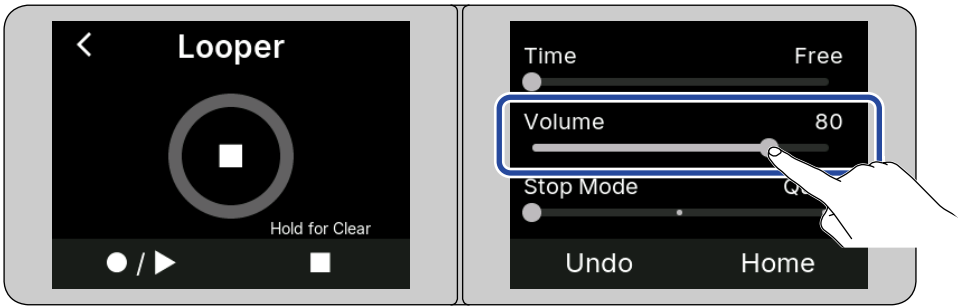


Setting	Description
Free	Recording will continue until stopped by pressing footswitch 1 or the maximum recording time (45 seconds) is reached.
♩ x 1 to 64	When the set recording time is reached, recording will stop and loop playback will start. The actual recording time depends on the BPM (tempo) setting as follows. (→ Adjusting the tempo) The recording time (seconds) = 60 ÷ BPM × quarter notes.

Adjusting the looper volume

The phrase playback volume can be adjusted.

- 1. On the Looper Screen, adjust the phrase playback volume by dragging “Volume.”



The phrase playback volume is adjusted here. For adjusting the overall NEURIG volume, see [“Adjusting the Master Volume.”](#)

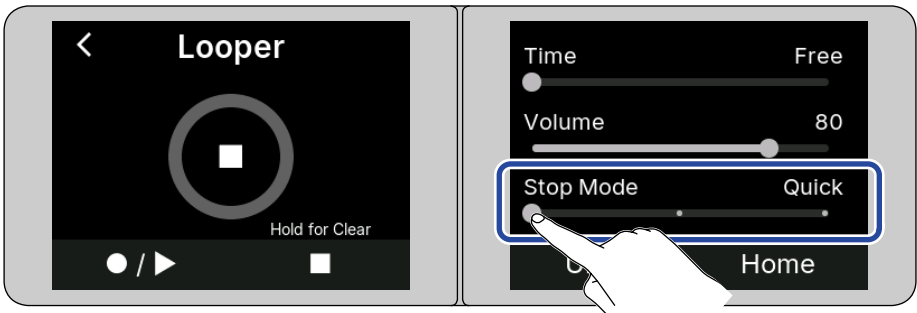
HINT

This can be set from 0 to 100.

Setting the stop mode

This sets how the looper behaves when loop playback is stopped.

- 1. On the Looper Screen, select the stop mode by dragging “Stop Mode.”



Setting	Description
Quick	The loop will stop playing immediately after a stop operation.
End	The loop will stop after playing to its end. “End” appears on the left display until playback is stopped.
Fade	Fades out the loop and stops 15 seconds after the stop operation. “Fade” appears on the left display until playback is stopped.

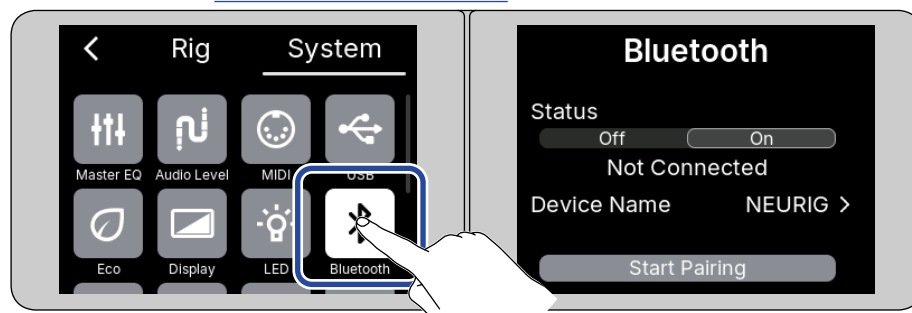
Establishing a Bluetooth connection with a smartphone/tablet

By connecting NEURIG to a smartphone/tablet via Bluetooth, you can wirelessly control NEURIG with a dedicated app. (→ [Using an app](#))

You can also stream music played on your smartphone/tablet on NEURIG.

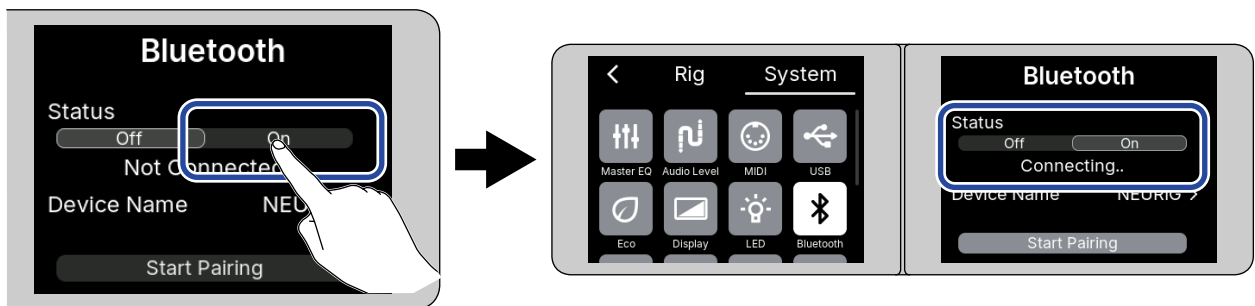
For more information about working with your smartphone/tablet, see the Operation Manual for your smartphone/tablet.

1. Touch the Bluetooth icon on the [System Menu Screen](#)



2. Touch "On"

NEURIG enters Bluetooth pairing mode and the current communication status is displayed under "Status."



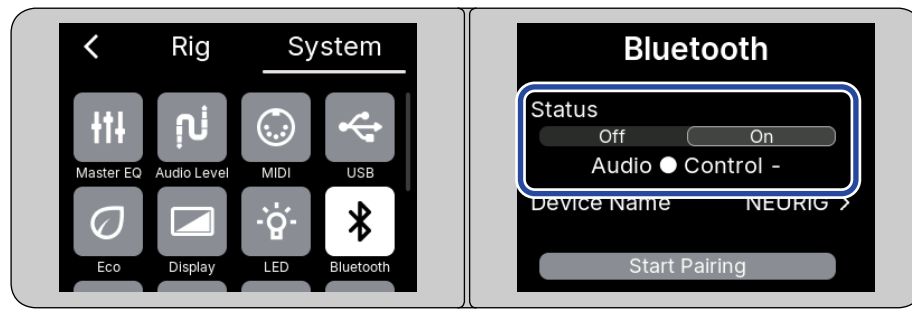
3. Turn on the Bluetooth function of your smartphone/tablet and perform the pairing operation to search for NEURIG

NOTE

Operate your smartphone/tablet close to NEURIG.

4. Select NEURIG from the list of devices displayed on the smartphone/tablet screen

When the smartphone/tablet is connected to NEURIG, "Audio • Control -" is displayed under "Status."



NOTE

- If there is a smartphone/tablet already paired with NEURIG, when the NEURIG Bluetooth function is set to ON, it will automatically connect with the device previously connected.
- If the device is automatically connected to another smartphone or tablet, you may not be able to connect from the new device. Disconnect unused device before reconnecting.
- If the smartphone/tablet contains old pairing information, you may not be able to establish a connection. Delete "NEURIG" from the smartphone/tablet's Bluetooth settings, then connect again. If you still cannot connect, restart both NEURIG and your smartphone/tablet and try again.

5. Touch the back icon

Returns to the [HOME Screen](#) .

The Bluetooth icon appears on the [HOME Screen](#) while the smartphone/tablet is connected via Bluetooth.

To disconnect a Bluetooth connection

Turn off the Bluetooth function of your smartphone/tablet, or touch "Off" in step 2 of "[Establishing a Bluetooth connection with a smartphone/tablet.](#)"

Using an app

In future updates, you will be able to perform various operations on the unit, load NAM and IR files, and more by connecting to the dedicated app “SessionZ Pedal.”

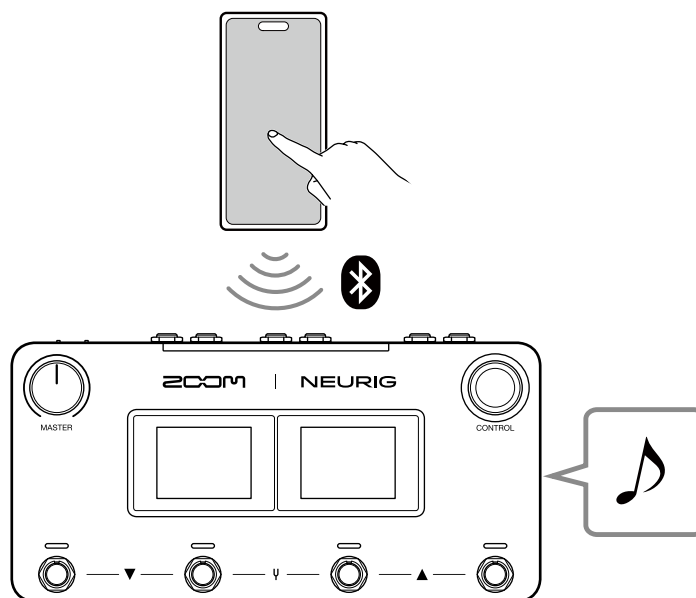
- 1.** Download “SessionZ Pedal” app from Google Play™ store or App Store and install it on your smartphone/tablet
- 2.** Connect NEURIG to a smartphone/tablet via Bluetooth (→ [Establishing a Bluetooth connection with a smartphone/tablet](#))
- 3.** Start “SessionZ Pedal” app
For details on operation, see the “SessionZ Pedal” app’s Operation Manual.

Playing streaming music from smartphone/tablet

By connecting NEURIG to your smartphone/tablet via Bluetooth, you can listen to music from subscription services or video sites you normally use on your smartphone/tablet through NEURIG.

You can also play the guitar along with music played on your smartphone/tablet.

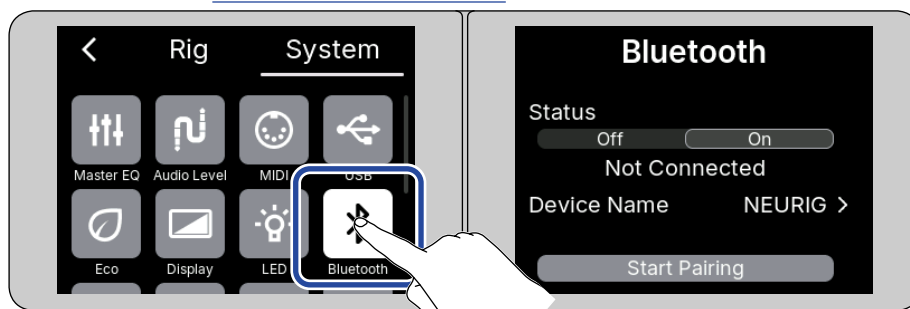
Adjust the volume from your smartphone/tablet.



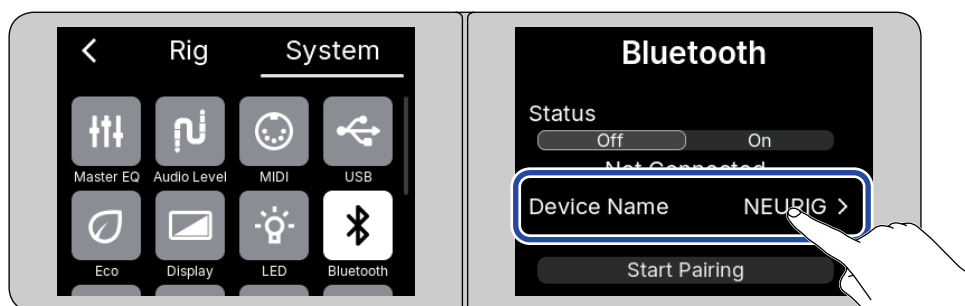
Changing the name for Bluetooth connection

When pairing with a NEURIG in a location where multiple NEURIG units are being used, you can change the displayed name to make it easier for your smartphone/tablet to identify the NEURIG unit connected to Bluetooth.

1. Touch the Bluetooth icon on the [System Menu Screen](#)



2. Touch "Device Name"



3. Change the name
See "[Character input screen](#)" for how to input characters.



4. Touch "OK"
Returns to the [HOME Screen](#).

NOTE

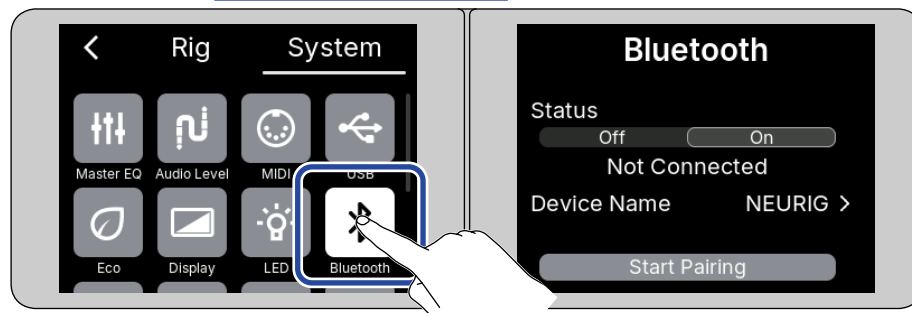
If you change the name, delete "NEURIG" from the smartphone/tablet's Bluetooth settings, then connect again. (→ [Establishing a Bluetooth connection with a smartphone/tablet](#))

Connecting to a smartphone/tablet when Bluetooth is on

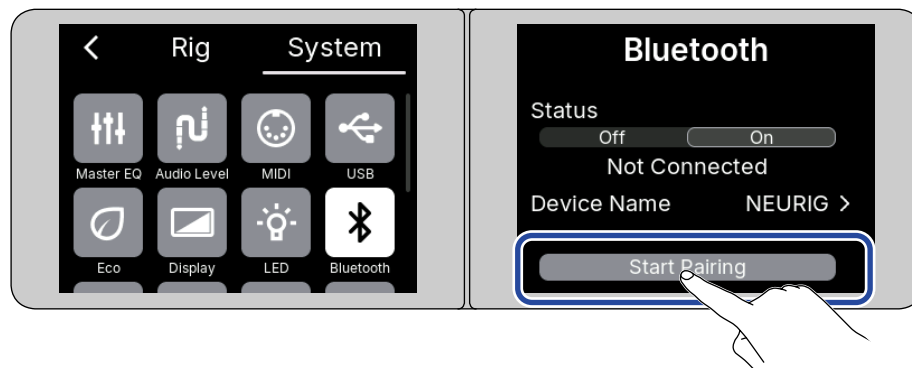
Perform the pairing operation to reconnect a smartphone/tablet that was previously disconnected via Bluetooth, or when connecting to a different smartphone/tablet.

For more information about working with your smartphone/tablet, see the Operation Manual for your smartphone/tablet.

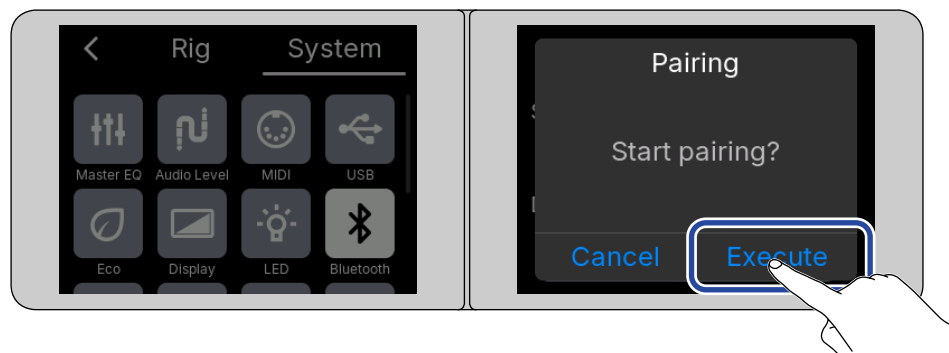
1. Touch the Bluetooth icon on the [System Menu Screen](#)



2. Touch "Start Pairing"



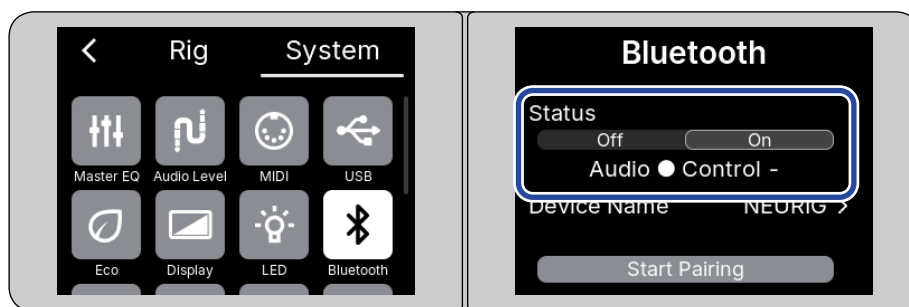
3. Touch "Execute"



This starts pairing.

4. Turn on the Bluetooth function of your smartphone/tablet and perform the pairing operation to search for NEURIG

- 5.** Select NEURIG from the list of devices displayed on the smartphone/tablet screen
When the smartphone/tablet is connected to NEURIG, the previous screen will be displayed.



- 6.** Touch the back icon
Returns to the [HOME Screen](#) .
The Bluetooth icon appears on the [HOME Screen](#) while the smartphone/tablet is connected via Bluetooth.

Connecting to a network with Wi-Fi

To use Wi-Fi, you need to connect to the “SessionZ Pedal” app.

For details, refer to the Operation Manual of “SessionZ Pedal” (zoomcorp.com/help/neurig).

Using audio interface functions

NEURIG can be used as a 2-in/2-out audio interface.

From NEURIG, 2 channels of audio signals after effect processing can be sent to a computer or smartphone/tablet.

From a computer or smartphone/tablet, 2 audio signal channels can be input to a position after the effect processing.

See [Signal flow](#) for details about input and output positions.

Installing drivers

Windows

1. Download “ZOOM NEURIG Driver” to your computer from zoomcorp.com/help/neurig
2. Launch the installer and follow its instructions to install “ZOOM NEURIG Driver”

NOTE

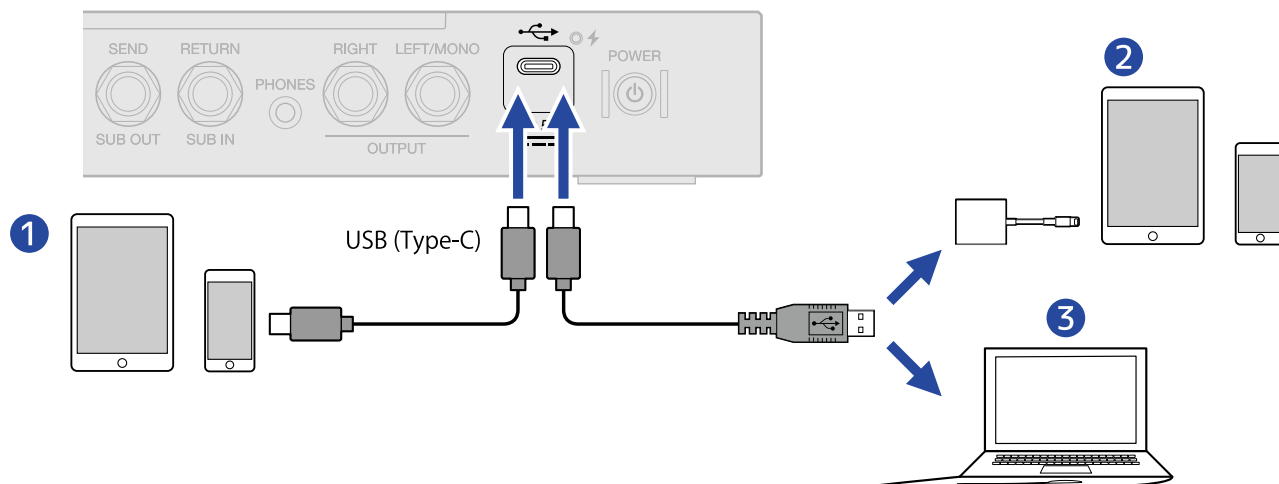
See the “Installation Guide” included in the driver package for detailed installation procedures.

Mac computers or smartphones/tablets

No driver is necessary for use with a Mac or smartphone/tablet.

Connecting with a computer or smartphone/tablet

1. Use a USB (Type-C) cable to connect the NEURIG to a computer or smartphone/tablet

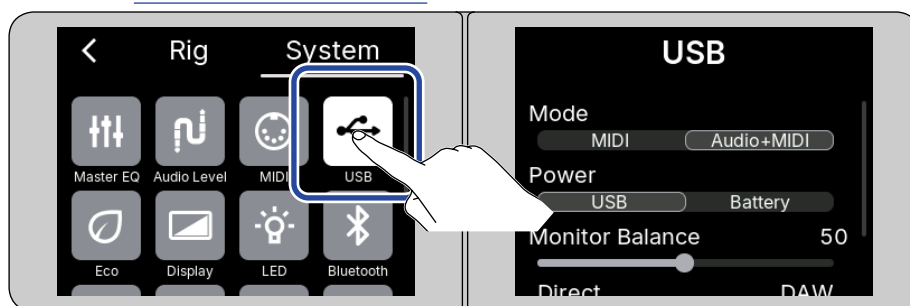


- 1 Smartphone/tablet (Android)
- 2 Smartphone/tablet (iOS/iPadOS)
- 3 Computer (Windows/Mac)

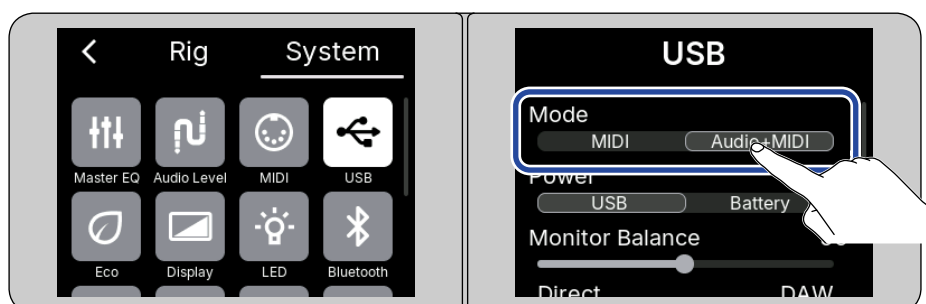
NOTE

- Use a USB (Type-C) cable that supports data transfer.
- Use a Lightning to USB 3 Camera Adapter to connect to an iOS/iPadOS device with a Lightning connector.

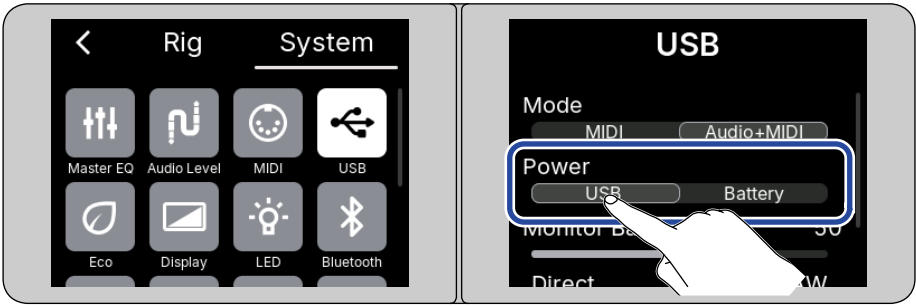
2. Touch the USB icon on the [System Menu Screen](#)



3. Touch "Audio+MIDI" for "Mode"



4. Touch setting for “Power”



Setting	Description
USB	Power is supplied by USB bus power. Select this when connecting to a computer. Depending on the power supply capacity of the USB bus power of the computer, the unit may operate with the USB bus power. In such a case, select “Battery.”
Battery	The built-in lithium-ion battery is used. Select this when connecting to a smartphone/tablet.

NOTE

This setting is not saved and the next time you turn on the power, the setting is set to “USB.”

5. When connecting to a computer, set “ZOOM NEURIG” as the sound device

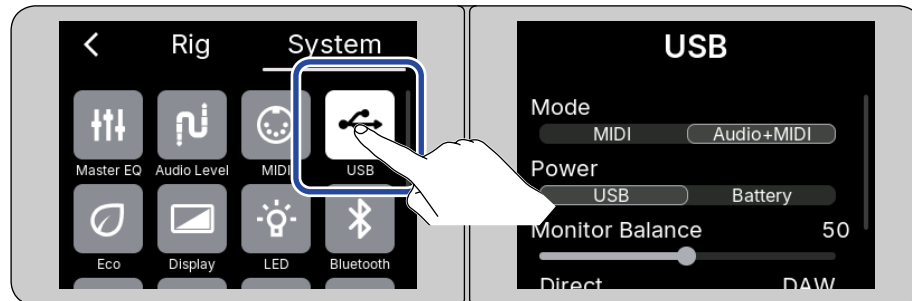
HINT

In addition to recording your performance using DAW software, you can also mix the NEURIG sound with the sound played on your smartphone/tablet.

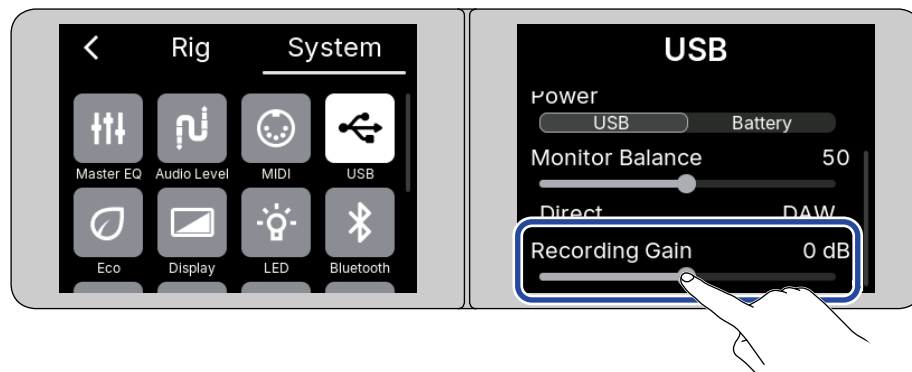
Adjusting the volume sent to a computer via USB audio

You can adjust the volume (recording level) sent to a computer or smartphone/tablet.

1. Touch the USB icon on the [System Menu Screen](#)



2. Adjust the volume by dragging "Recording Gain"



The setting value is displayed on the dual-touch screen.

HINT

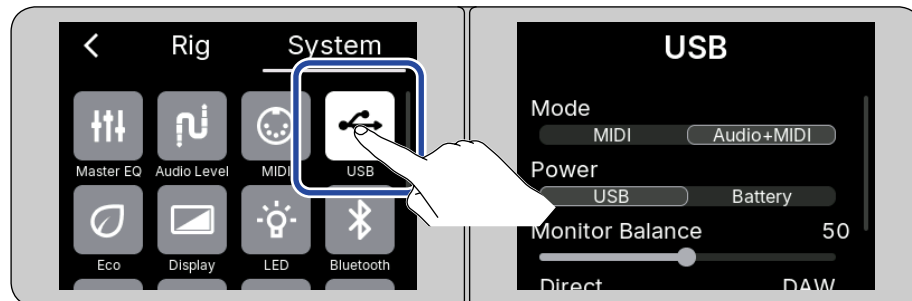
The setting range is -15 dB to +15 dB.

3. Touch the back icon
Applies the settings and returns to the [HOME Screen](#).

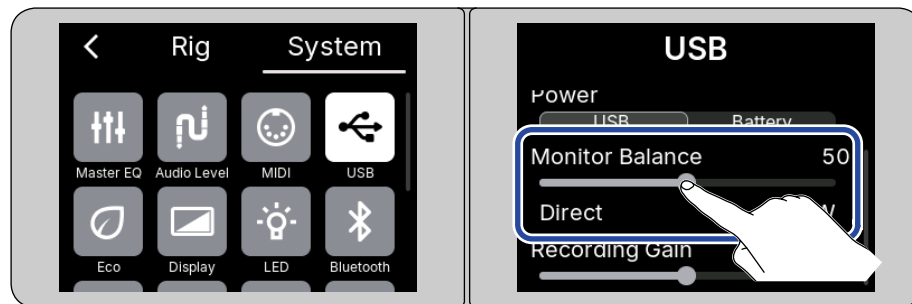
Adjusting the USB audio monitor balance

You can adjust the balance between the output signal from a computer or smartphone/tablet and the direct signal (NEURIG audio).

1. Touch the USB icon on the [System Menu Screen](#)



2. Adjust the monitor balance by dragging "Monitor Balance"



The setting value is displayed on the dual-touch screen.

HINT

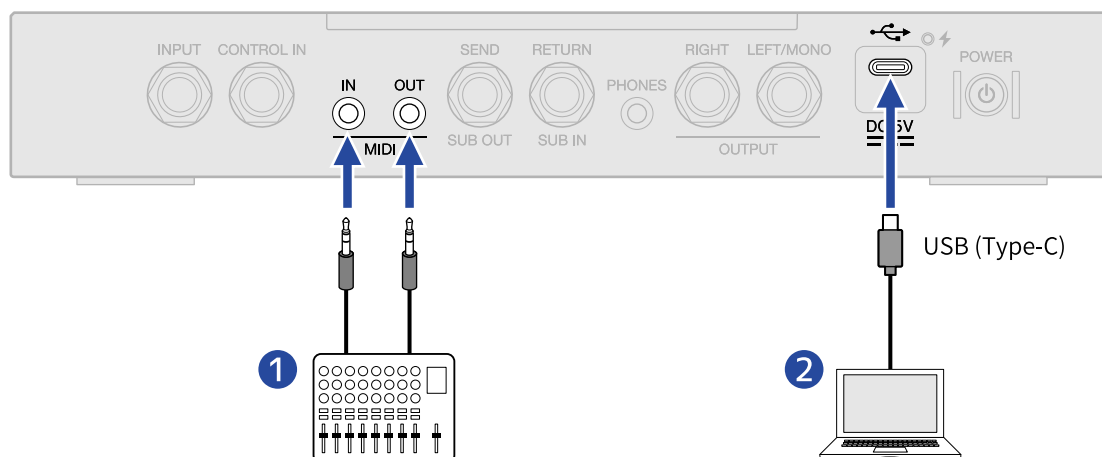
- The setting range is 0 to 100. When set to "0," only the direct signal is output. When set to "100," only the output signal from the DAW, computer or smartphone/tablet is output.
- The setting is reset to 50 at startup.

3. Touch the back icon Applies the settings and returns to the [HOME Screen](#).

Using MIDI devices

What you can do by connecting a MIDI device

When a MIDI device or a computer is connected to NEURIG, control can be exchanged with each other.



1 External MIDI device

Use 3.5 mm MIDI cables to connect to the MIDI IN and MIDI OUT jacks.

2 Computer

Connect with a USB (Type-C) cable.

Use a USB (Type-C) cable that supports data transfer.

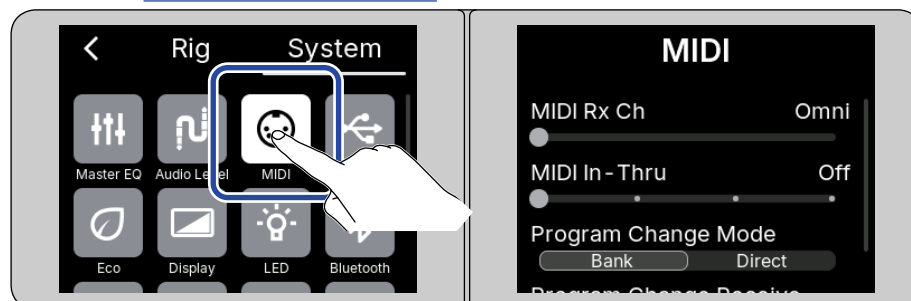
What you can do from a MIDI device

- Switching NEURIG's Rigs and Programs from MIDI devices

Configuring the MIDI settings

MIDI settings are common to all Rigs.

1. Touch the MIDI icon on the [System Menu Screen](#)



2. Configure the following settings
 - **Configure the MIDI message receive channel**
Drag "MIDI Rx Ch" to select the desired channel.



When "Omni" is set, all channels are received.

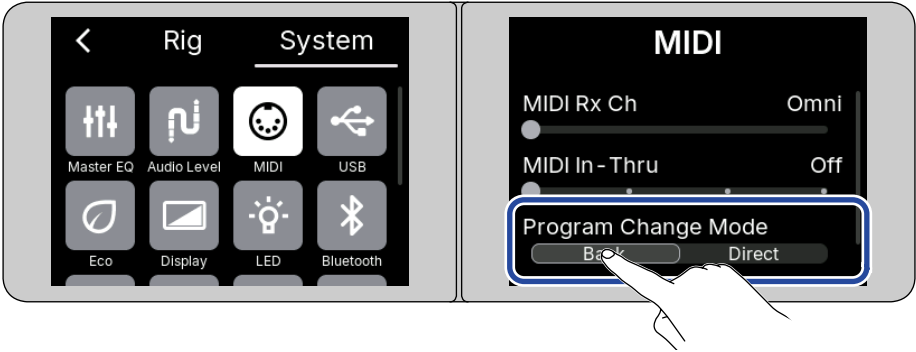
- **Configure the destination for MIDI messages received via the MIDI IN jack**
Drag "MIDI In-Thru" to select a setting.



Setting	Description
Off	Not sent.
MIDI Out	MIDI messages from the MIDI OUT jack are sent.
USB Out	MIDI messages from the USB port are sent.
USB/MIDI	MIDI messages from the MIDI OUT jack and USB port are sent.

■ **Configure the receive mode for Program Change messages**

Tap the setting item of “Program Change Mode” to select a setting.

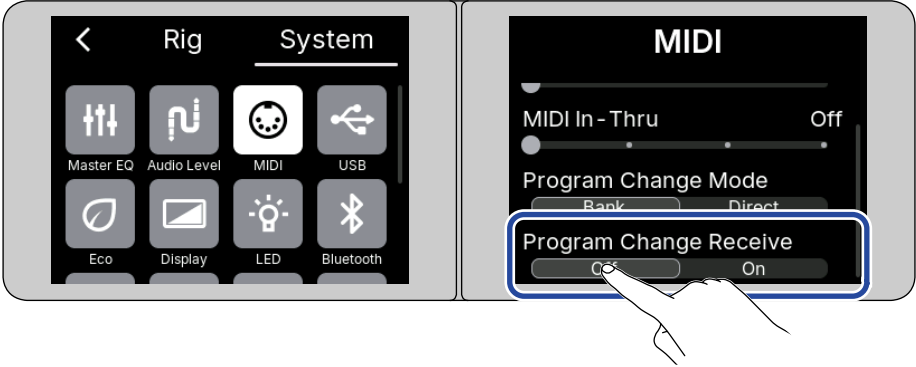


Setting	Description
Bank	Normally, select this.
Direct	Select this if the external MIDI device cannot send Bank Change messages.

NOTE
When set to "Direct", only Rigs 1 through 128 can be switched using program change information alone. Also send the bank change information from Rig 129 onwards.

■ **Configure whether to receive Program Change messages from an external MIDI device**

Tap the setting item of “Program Change Receive” to select a setting.



Setting	Description
Off	Not received.
On	Received.

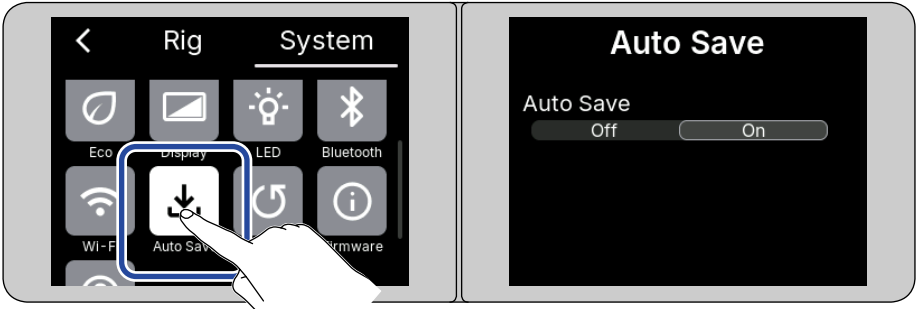
3. Touch the back icon
Confirm the settings and return to the [HOME Screen](#) .

Making unit settings

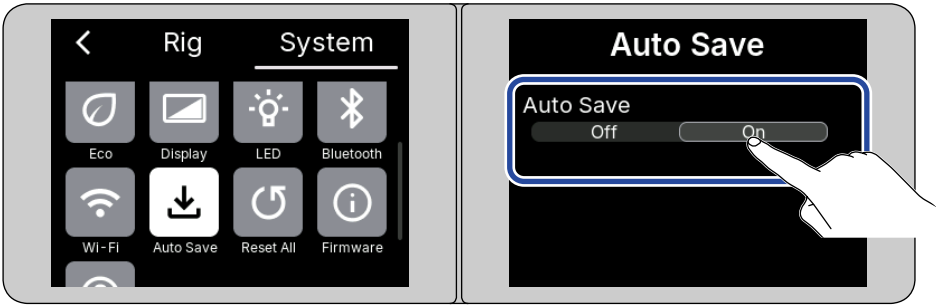
Setting the Auto Save function

When the Auto Save function is on, Rigs will be saved automatically when their settings are changed.

1. Touch the Auto Save icon on the [System Menu Screen](#)



2. Touch to switch it on/off



Setting	Description
On	This turns on the Auto Save function.
Off	This turns off the Auto Save function.

3. Touch the back icon
Returns to the [HOME Screen](#) .

HINT

Rigs will not be saved automatically if the Auto Save function is off. When the Rig settings have been changed, the Save icon will appear at the top right of the screen, showing that they differ from the saved settings.

Touching the Save icon displays a screen that prompts you to save changes. When you touch “Execute,” the changed settings are saved.



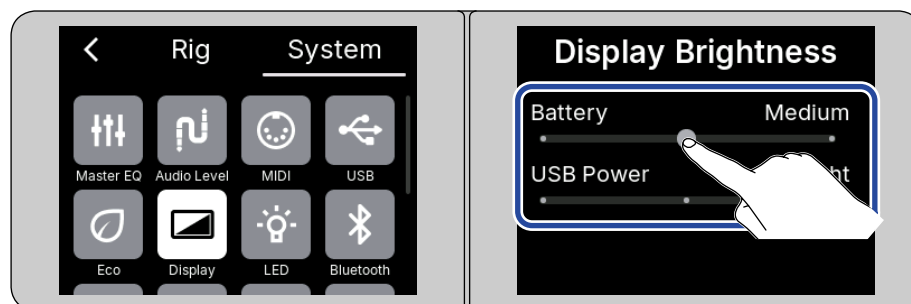
Setting the brightness of the dual-touch screen

1. Touch the Display icon on the [System Menu Screen](#)



2. Drag to select "Battery" and "USB Power" settings

- Battery: Setting when the built-in lithium-ion battery is used.
- USB Power: Setting when the USB (Type-C) power supply is connected.



Setting	Description
Bright	Set the display brighter.
Medium	Set the display to normal brightness.
Dark	Set the display less bright.

HINT

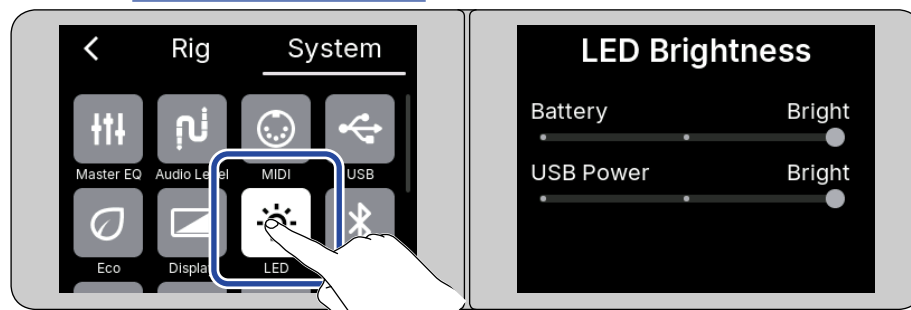
Select "Medium" over "Bright" or "Dark" over "Medium" to reduce battery consumption.

3. Touch the back icon Confirm the settings and return to the [HOME Screen](#).

Setting the brightness of indicators

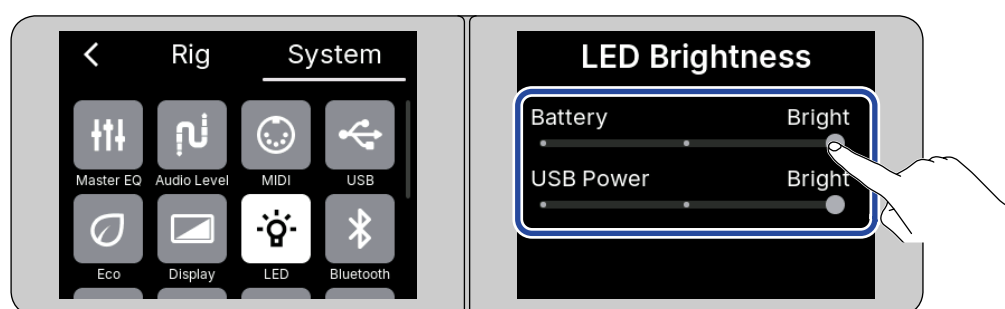
You can configure the brightness of the status indicator/footswitch indicators.

1. Touch the LED icon on the [System Menu Screen](#)



2. Drag to select "Battery" and "USB Power" settings

- Battery: Setting when the built-in lithium-ion battery is used.
- USB Power: Setting when the USB (Type-C) power supply is connected.



Setting	Description
Bright	Set the indicators brighter.
Medium	Set the indicators to normal brightness.
Dark	Set the indicators less bright.

HINT

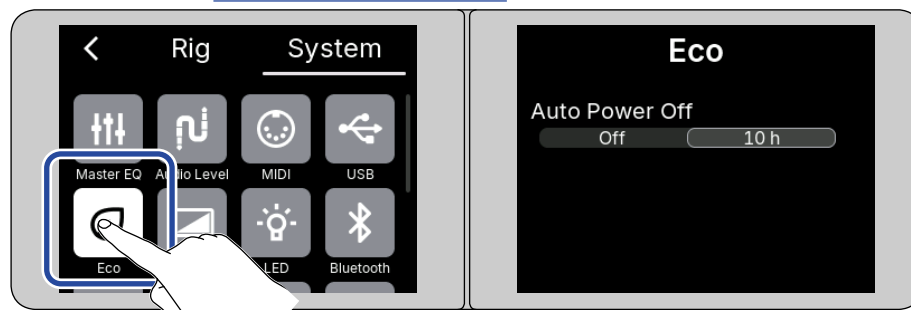
Select "Medium" over "Bright" or "Dark" over "Medium" to reduce battery consumption.

3. Touch the back icon Confirm the settings and return to the [HOME Screen](#).

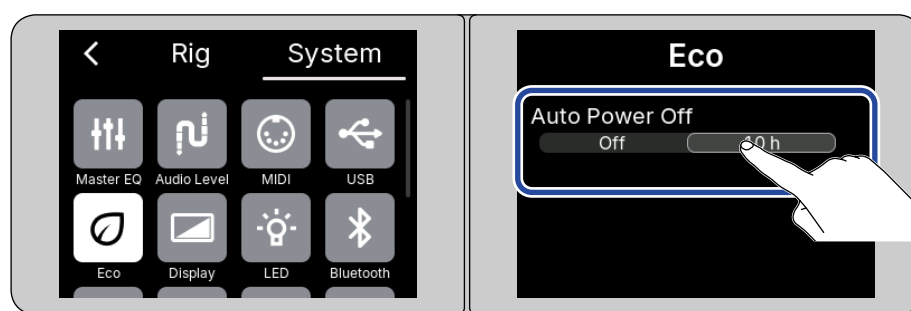
Setting ECO mode

This function can be used to turn the power off automatically 10 hours after the last operation.

1. Touch the Eco Mode icon on the [System Menu Screen](#)



2. Touch to switch settings



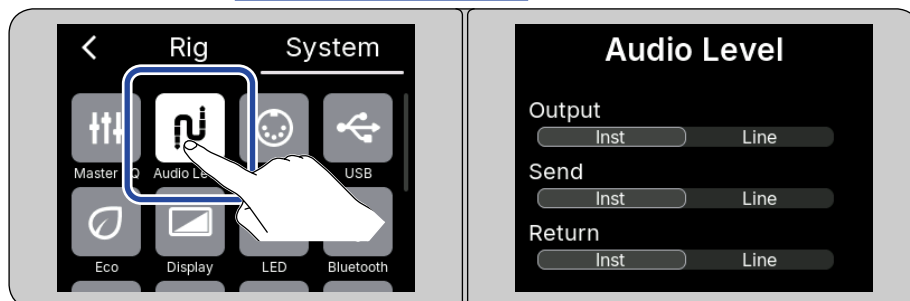
Setting	Description
10 h	The power will automatically turn off 10 hours after the last operation.
Off	This disables ECO mode.

3. Touch the back icon
Confirm the settings and return to the [HOME Screen](#).

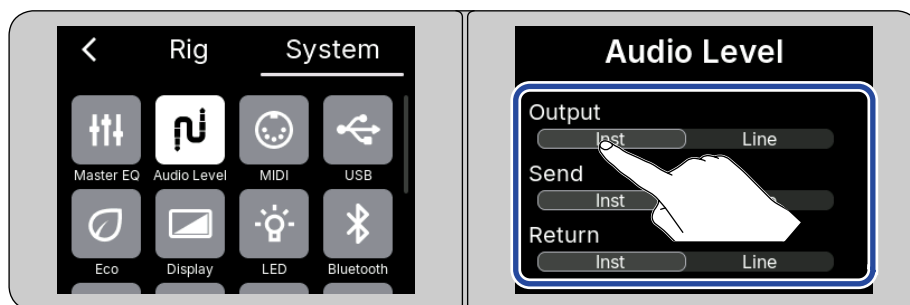
Setting the reference output level for inputs and outputs

This adjusts the audio level of the NEURIG's OUTPUT jacks and SEND/RETURN jacks to match the level of the connected instrument or device.

1. Touch the Audio Level icon on the [System Menu Screen](#)

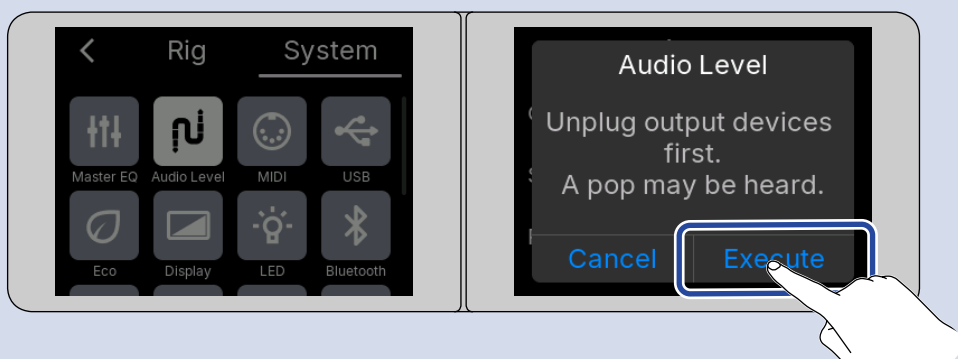


2. Tap "Output," "Send," and "Return" to select the jack for which you want to set the level
 - Output: Configures the level of the OUTPUT jacks.
 - Send: Configures the level of the SEND jack.
 - Return: Configures the level of the RETURN jack.



NOTE

When you tap a setting item, a screen with a caution about vocal pops occurring when switching settings will be displayed. Set the volume of the connected device to minimum and tap "Execute."



3. Tap to set the level of the jack selected in Step 2

Setting	Description
Inst	Select this option when a guitar is connected or connected to the INPUT jack of a guitar amp.
Line	Select this option when connected to line-level input devices such as the SEND/RETURN jacks of a line-level guitar amp or monitor speakers.

HINT

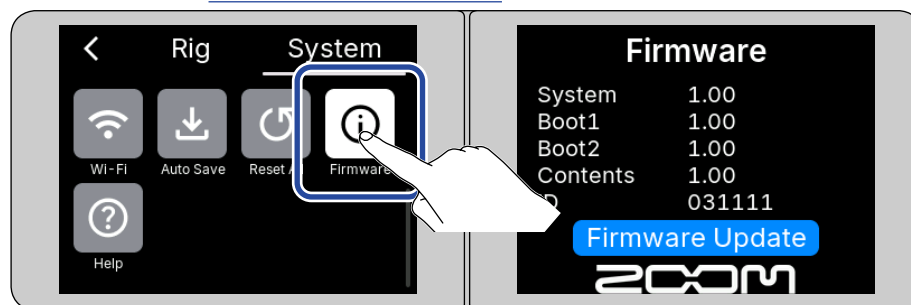
Select "Inst" to reduce lithium-ion battery consumption.

4. Touch the back icon
Confirm the settings and return to the [HOME Screen](#).

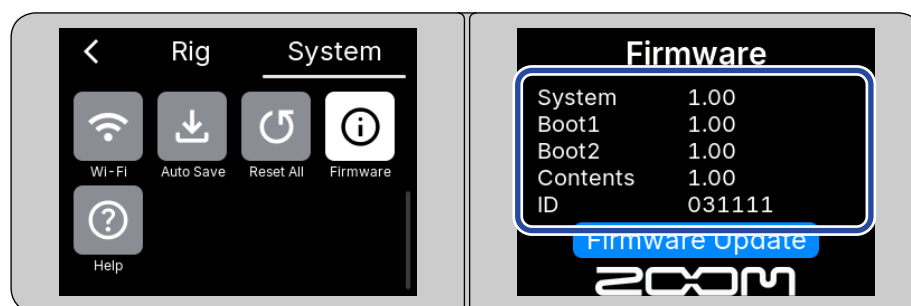
Managing the firmware

Checking the firmware versions

1. Touch the Firmware icon on the [System Menu Screen](#)



2. Check the versions
This shows the firmware versions.



3. Touch the back icon
Returns to the [HOME Screen](#).

Updating the firmware

You can update the NEURIG firmware to the latest version.

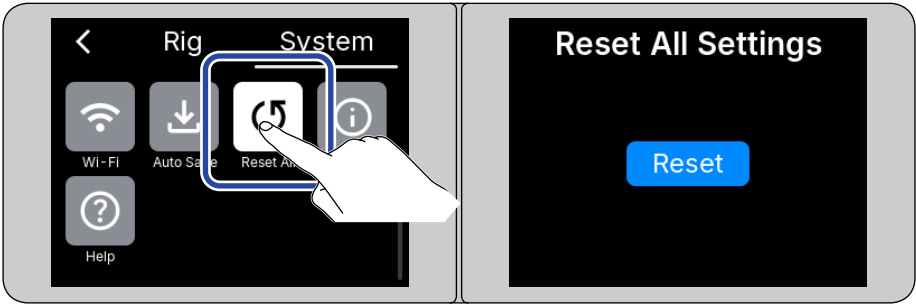
You can update NEURIG directly on the unit by connecting NEURIG to Wi-Fi.

For the latest firmware and operating procedures, check the "NEURIG Firmware Update Guide" on the ZOOM website (zoomcorp.com/help/neurig).

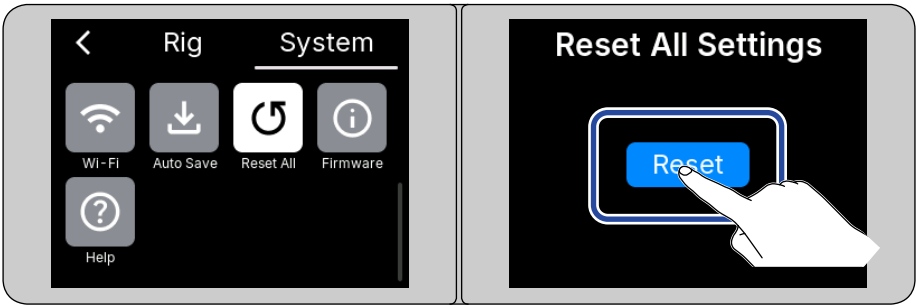
Restoring factory default settings

You can restore NEURIG to the factory default settings.

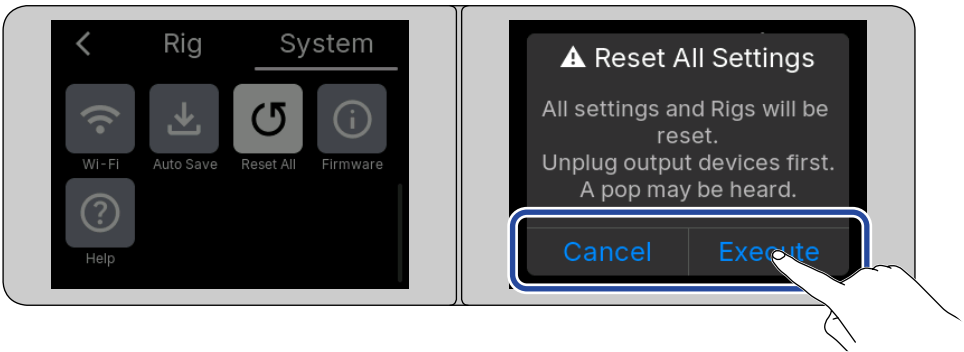
1. Touch the Reset All icon on the [System Menu Screen](#)



2. Touch "Reset"



3. Touch "Execute"



Initialization will be executed, restoring default settings.

NOTE

Initialization will overwrite all settings, including Rigs, to their factory defaults. Be certain before using this function.

HINT

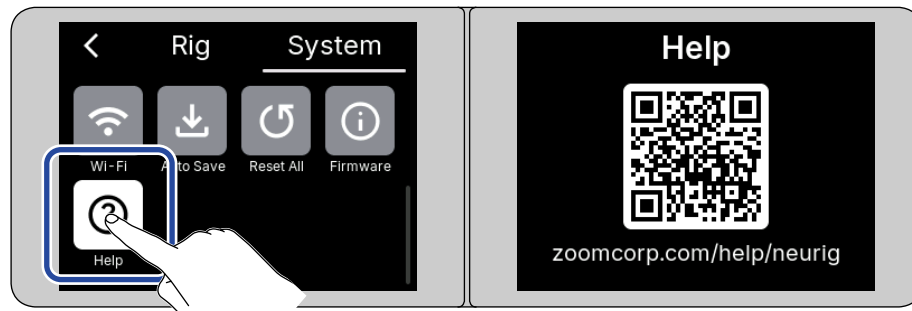
To cancel initialization, touch "Cancel" in step 3.

4. Touch the back icon
Returns to the [HOME Screen](#) .

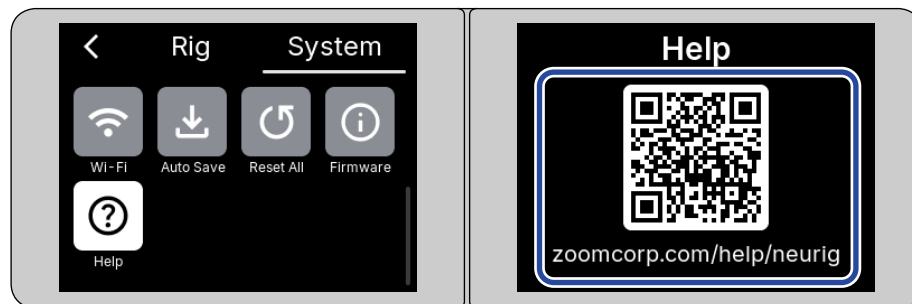
Checking the latest information regarding NEURIG

You can display a 2D code for product help on the NEURIG's dual-touch screen.

1. Touch the Help icon on the [System Menu Screen](#)



2. Use a smartphone/tablet to read the 2D code displayed on the screen



zoomcorp.com/help/neurig

3. Touch the back icon
Returns to the [HOME Screen](#).

Appendix

Troubleshooting

The unit will not power on

- Check the battery level. (→ [Charging](#))
- Make sure that the USB (Type-C) power supply supports 10 W (5 V, 2 A) or more. (→ [Charging](#))
- If a USB (Type-C) power supply is connected, make sure that it is connected securely. (→ [Making connections](#))

There is no sound or output is very quiet

- Check the connections. (→ [Making connections](#))
- Adjust the Master Volume. (→ [Adjusting the Master Volume](#))
- Adjust the levels of the effects. (→ [Adjusting effect parameters](#))
- Adjusting the Rig and Program volume (→ [Adjusting the Rig volume](#), [Adjusting the Program volume](#))
- Check the Rig settings. (→ [Adjusting effects](#))
- Check the “Audio Level” settings. (→ [Setting the reference output level for inputs and outputs](#))
- Confirm that the tuner output is not set to “Mute.” (→ [Setting the output method](#))
- If you are using an expression pedal to adjust the volume, adjust the pedal position until the volume level is suitable.

There is a lot of noise

- Check the connections. (→ [Making connections](#))
- Replace the instrument cables and check whether the noise is reduced.
- Try another USB (Type-C) power supply and check whether the noise is reduced.

An effect cannot be selected

- If the effect processing power is being exceeded, “Process Overflow” will appear on the dual-touch screen, disabling effect selection. (→ [Notes about the number of effects in a Rig](#))

The lithium-ion battery runs down quickly

- The battery will run down faster if you use any of the following settings.
 - The dual-touch screen is set to bright. (→ [Setting the brightness of the dual-touch screen](#))
 - The indicators are set to bright. (→ [Setting the brightness of indicators](#))
 - The reference output level for inputs and outputs is set to “Line.” (→ [Setting the reference output level for inputs and outputs](#))
 - Bluetooth or Wi-Fi is set to on. (→ [Establishing a Bluetooth connection with a smartphone/tablet, Connecting to a network with Wi-Fi](#))

Unable to turn off the power

- If the power cannot be turned off, perform a forced shutdown. (→ [Performing a forced shutdown](#))

Charging is slow

- Make sure that the USB (Type-C) power supply supports 10 W (5 V, 2 A) or more. (→ [Charging](#))

Unable to establish a Bluetooth connection

- For details on how to establish a Bluetooth connection and what to do if a connection cannot be established, see "[Establishing a Bluetooth connection with a smartphone/tablet.](#)"

Unable to connect to Wi-Fi

- For details on how to connect to Wi-Fi and what to do if you cannot connect, see "[Connecting to a network with Wi-Fi.](#)"

Expression pedal does not work well

- Select a pedal effect. (→ [Replacing effects](#), [Adding effects](#))
- Check the expression pedal connection. (→ [Making connections](#))
- Check the expression pedal connection. (→ [Using an external expression pedal](#))

The level recorded on the DAW is too low

- Check the recording level setting values. (→ [Adjusting the volume sent to a computer via USB audio](#))

MIDI Implementation Chart

Model : NEURIG
MIDI Implementation Chart

Date : Sep.3.2026
Version :1.00

Function		Transmitted	Recognized	Remarks
Basic Channel	Default	x	Omni	Memorized (MIDI RX CH / Default: omni) All channels are received when set to Omni
	Changed	x	1 – 16, Omni	
Mode	Default	x	x	Equivalent to Mode 1 when set to Omni/Mode 3 when Ch is specified (Not the sound source)
	Messages Altered	x *****x	x	
Note Number		x	x	
	True voice	*****x	x	
Velocity	Note ON	x	x	
	Note OFF	x	x	
After Touch	Key's	x	x	
	Ch's	x	x	
Pitch Bend		x	x	
Control Change	0 - 127	x	o 0, 32, 69	0, 32 : Bank Select MSB / LSB *4 69 : Program Select *1 (0-3 → Program 1-4) Other CCs do not work.
Prog Change		x *2	o 0 – 9 (Bank)	Enabled only for PC Receive = On Bank : Bank×10 + PC Direct : Bank×128 + PC
	True#	*****0 – 199	o 0 – 127 (Direct)	
System Exclusive		o	o	Universal Identity Req/ Reply ZOOM SysEx (ID 52h, Family 6Eh / 2Eh) For reception both MIDI IN and USB *5

Function		Transmitted	Recognized	Remarks
System Common	Song pos	x	x	THRU route only *3
	Song Sel	x	x	
	Tune	x	x	
System Realtime	Clock Command	x	x	Tempo sync is not supported
Aux Messages	Local ON/OFF	x	x	Active Sensing (FEh) does not go to THRU
	All Notes OFF	x	x	
	Active Sense	x	x	
	Reset	x	x	
Notes	*1 Program Select (CC#69) messages can be received via either the MIDI IN jack or USB MIDI. The conditions are the same as for Program Change, Program Change Receive = On, and RX CH match. *2 Program Changes are not sent. *3 MIDI IN-THRU distributes received data as is (There are 4 options: Off, MIDI OUT, USB OUT, and USB+MIDI OUT). THRU does not apply to USB MIDI IN. *4 If the RX CH is other than Omni, CC#0/CC#32 of the unmatched channel are ignored. *5 Identity Reply returns to the requested route. Note: MIDI IN / OUT : 3.5 mm mini stereo phone (TRS), 31250 bps. USB MIDI : Class compliant, 1 port (VID 1686h/PID 0950h: MIDI, 0951h: MIDI+AUDIO). Rig configuration: 200 Rigs = 20 banks x 10, 4 Programs/Rig.			

Mode 1 : OMNI ON, POLY
Mode 3 : OMNI OFF, POLY

Mode 2 : OMNI ON, MONO
Mode 4 : OMNI OFF, MONO

o : Yes
x : No

Specifications

Maximum number of simultaneous effects		14 EFFECTS
Rig user area		200
Sampling frequency		48 kHz
A/D conversion		32-bit
D/A conversion		32-bit
Signal processing		32-bit float
Frequency response		20 Hz – 20 kHz (+0.5 dB/–0.5 dB) (10 kΩ load)
Display		Touch LCD (240 x 320 dot) x 2
Inputs	INPUT	Standard mono phone jack Maximum input level: +12.4 dBu Input impedance: 1 MΩ
	RETURN/SUB IN	Standard mono phone jack Maximum input level (INST): +12.4 dBu Maximum input level (LINE): +18.4 dBu Input impedance: 1 MΩ
Outputs	OUTPUT L/R	Standard mono phone jack Maximum output level (INST): +12.4 dBu Maximum output level (LINE): +18.4 dBu Output impedance: 330 Ω
	PHONES	Stereo mini jack (3.5 mm) Maximum power: 24 mW + 24 mW (32 Ω) Output impedance: 56 Ω
	SEND/SUB OUT	Standard mono phone jack Maximum output level (INST): +12.4 dBu Maximum output level (LINE): +18.4 dBu Output impedance: 330 Ω
Input S/N		123 dB
Noise floor (residual noise)		-102.1 dBu
Control input		FS01/FP02M Input
MIDI (IN, OUT) jacks		Stereo mini jack
USB	Port:	USB 2.0 Type-C / Supported cable: Type-C cable
	USB MIDI:	USB1.1 Full Speed
	Audio interface:	USB 2.0 High Speed, 48 kHz, 32-bit float/24-bit, 2-in/2-out Note: Use a USB cable that supports data transfer. Note: USB bus power is supported.

Bluetooth		Bluetooth 5.4 (BR/EDR/BLE) (Max: 7.5 dBm)
Wi-Fi		2.4GHz : 2.400-2.4835GHz (Max: 19 dBm) 802.11b/g/n/ax
Power supplies	Lithium-ion battery:	Maximum voltage: 4.2 V DC Nominal voltage: 3.7 V DC Capacity: 2900 mAh
	Commercially available USB AC adapter:	10 W (5 V, 2 A) or more
	Charging time:	About 3 hours
	Battery life:	About 4.5 hours
		Note: These values are only estimates. Note: These values are based on in-house testing methods. They will vary greatly according to use conditions.
Dimensions		120.6 mm (D) x 236.4 mm (W) x 54.2 mm (H)
Weight		850 g

Note: 0 dBu = 0.775 V



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