

NEURIG

Amp & Effects Neural Modeler for Guitar



Quick Tour

Software and documents, including the Operation Manual, related to this product can be found at the following website.



zoomcorp.com/help/neurig

You must read the Usage and Safety Precautions before use.

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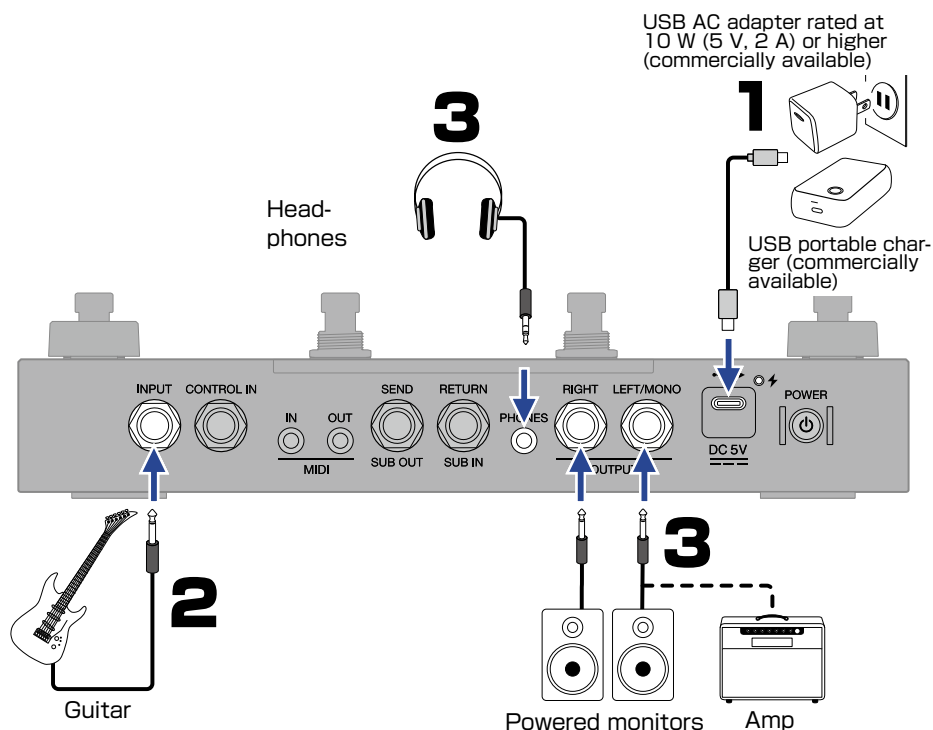
Copying or reprinting this manual in part or in whole without permission is prohibited.

This manual might be needed in the future, so be sure to keep it somewhere that is easy to access.

The contents of this manual and the specifications of the product could be changed without notice.

Proper display is not possible on grayscale devices.

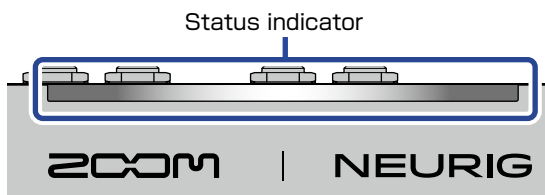
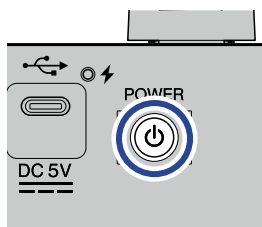
Making connections



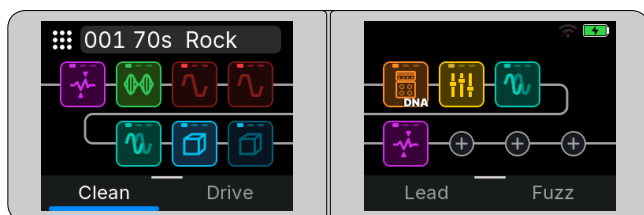
To prevent noise and malfunction, connect powered monitors or a guitar amp before turning the power on.

Turning the power on

Press and hold the power button on the back of the unit until the status indicator lights up white.



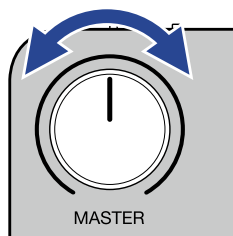
The status indicator at the top of the unit lights up, and the Home screen appears.



To turn the power off, press the power button until the status indicator lights up white. The status indicator turns off, and the unit powers off.

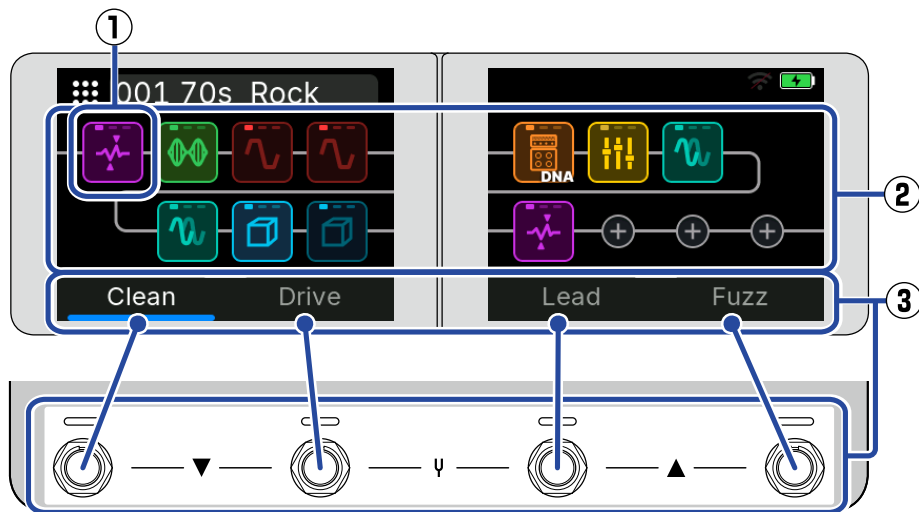
By default, the power automatically turns off if the NEURIG is unused for 10 hours. To keep the power on at all times, set the ECO mode to "Off". See "Setting the ECO mode" in the Operation Manual for details about the setting.

■ Adjusting the overall volume



How NEURIG works

Items ①, ②, and ③ in the figure below are collectively called a "Rig". Each Rig can contain up to 14 effects and amplifiers. Up to 200 Rigs can be saved. Preset Rigs are available on NEURIG.



- ① Effect or amplifier type
- ② Effect and amplifier order
- ③ Select the on/off and parameter settings for each effect.

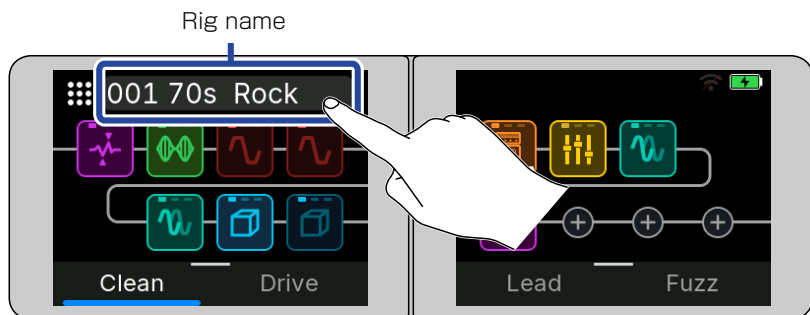
Switching Rigs while playing

You can switch Rigs according to the song, for example, when using a different sound for each song.

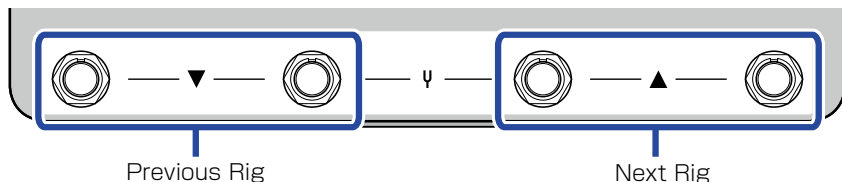
Switching Rigs

The following switching methods are available:

- Tap the Rig name and select the desired Rig from the Rig List that appears.



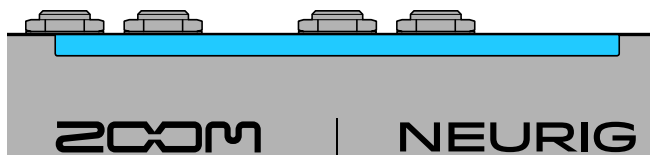
- Press two footswitches simultaneously to move to the previous or next Rig.



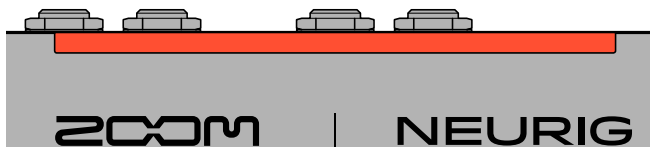
Rig Mode

You can use the Rig in "Program" and "Stomp" modes, and you can tell which mode is active by the color of the status indicator.

Program mode



Stomp mode

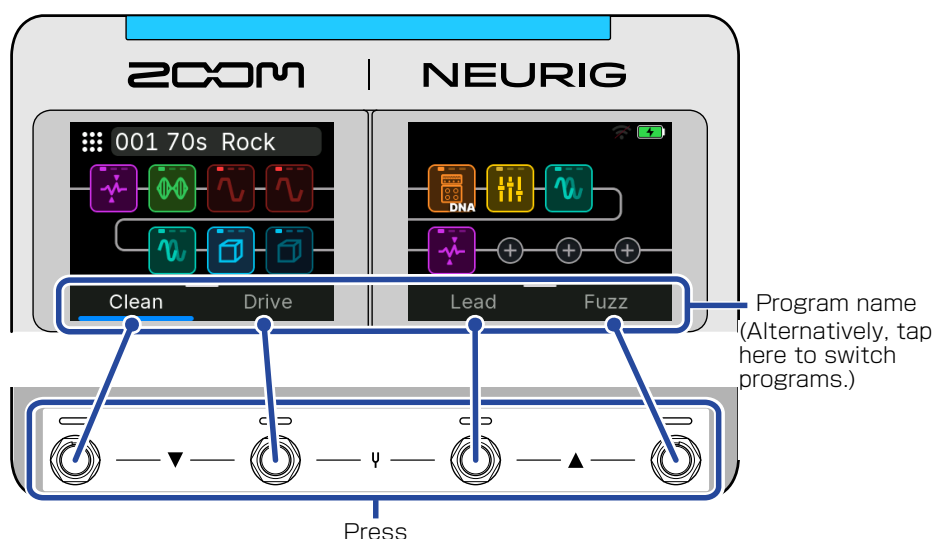


Switching programs while playing (Program mode)

On a Rig set to Program Mode, you can assign the on/off and parameter settings of multiple effects to each footswitch and instantly recall the settings.

For example, if you assign a clean tone to the leftmost footswitch and a distortion tone to the second footswitch from the left, you can switch between the two tones using the footswitches as the song progresses.

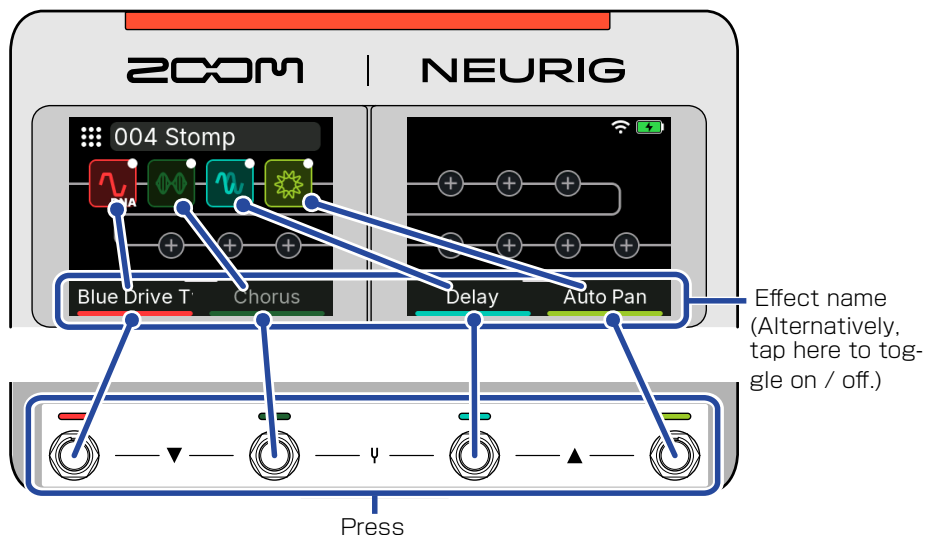
A program is preassigned to each preset Rig. (The figure below is an example.)



Switching effects on/off while playing (Stomp mode)

On a Rig set to Stomp Mode, you can assign one effect to each footswitch. Every time you press the footswitch, the corresponding effect toggles between on and off.

For example, you can turn on the distortion only when playing a solo part. Rigs for Stomp Mode are available as presets. (The figure below is an example.)

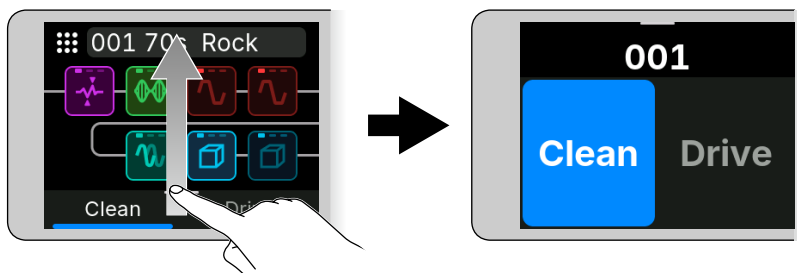


The footswitch indicator, the underline beneath the effect name, and effect icon are displayed in the same color.

■ Stage View screen

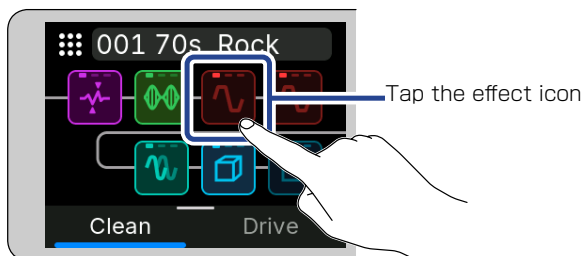
Swipe up from the bottom of the screen to display the program or effect name in a larger size for easier viewing.

To return to the original view, swipe down from the top of the screen.

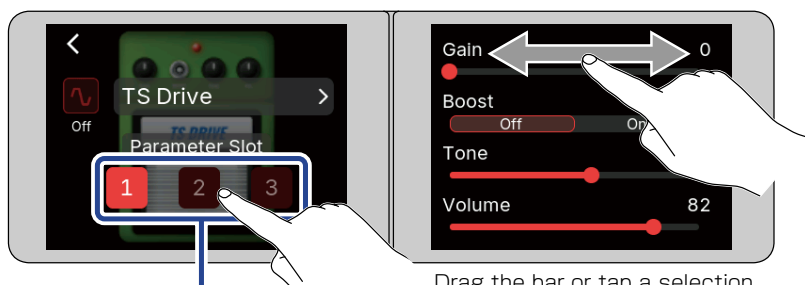


Adjusting effects

1



2

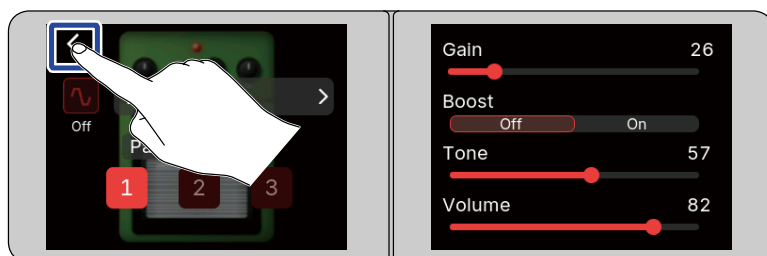


Tap the Parameter slot icon for the settings you want to save

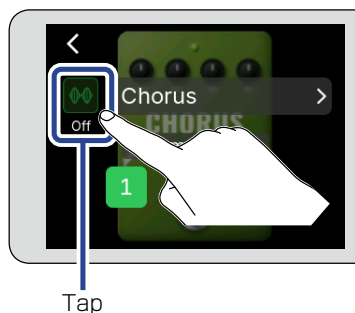
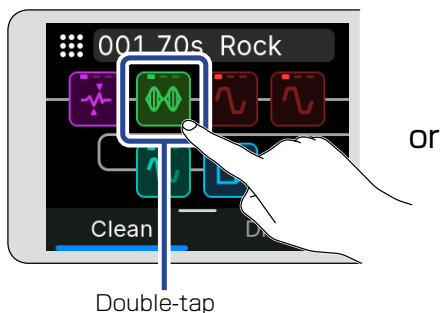
Drag the bar or tap a selection

In Stomp Mode, the Parameter slots are not displayed, so this step is not necessary.

3

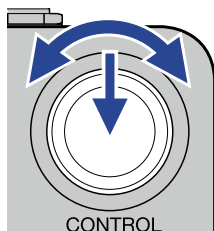


Turning effects on/off



■ Operation with the CONTROL knob

In addition to tapping and dragging on the screen, you can also use the CONTROL knob to operate the unit.

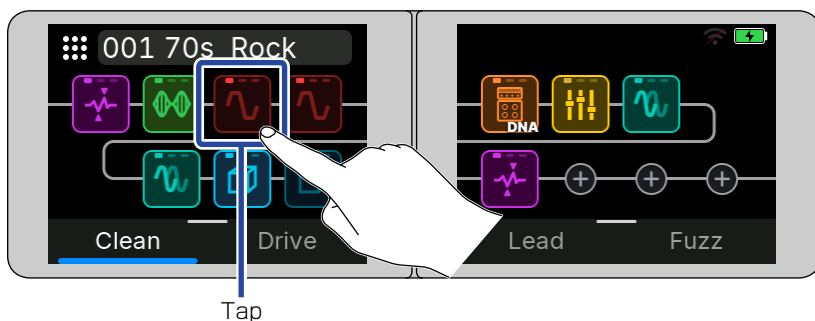


- Turning: Select items and adjust values.
- Pressing: Confirm the settings and proceed to the corresponding screen.

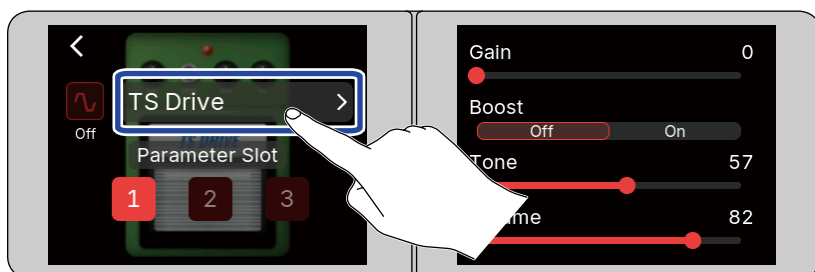
Changing effects

See "zoomcorp.com/help/neurig" for information about the effect types available on this unit.

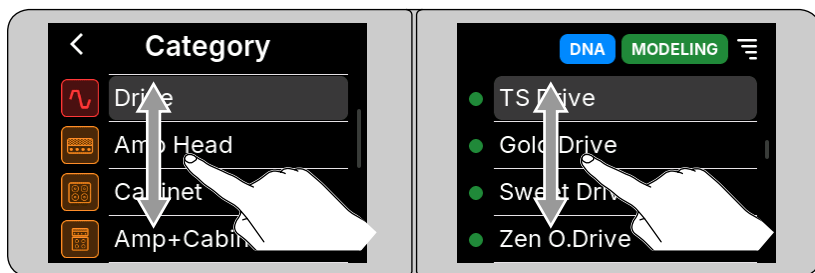
1



2

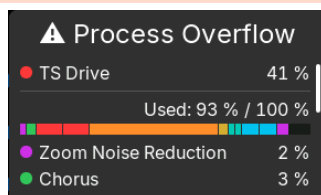


3

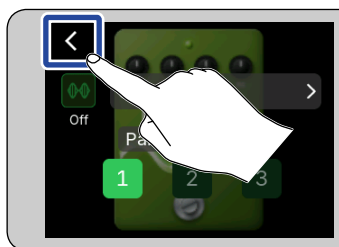
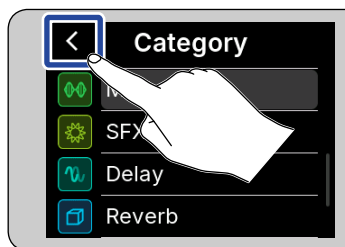


Drag to select and tap to confirm

Items that exceed the processing capacity limit will be grayed out and cannot be selected. When tapping one, "Process Overflow" will appear, and you can check the processing load of each effect currently in use on the Rig. In this case, modify or delete one of the effects so that the total does not exceed 100%.



4



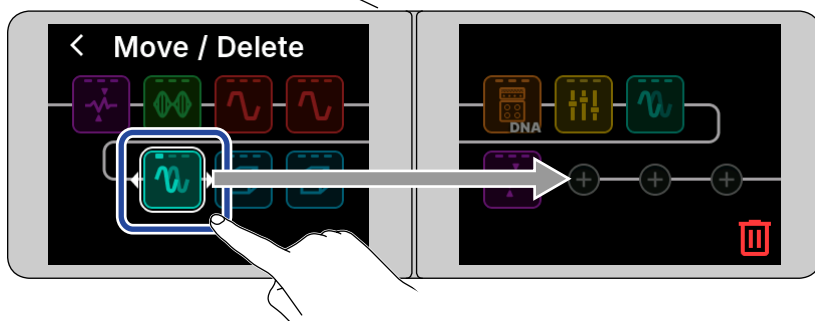
Changing the order of effects

1

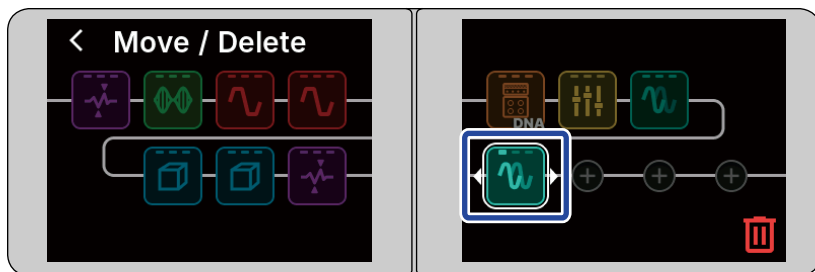


Touch and hold

2



The effect moves to the position where you drag it.

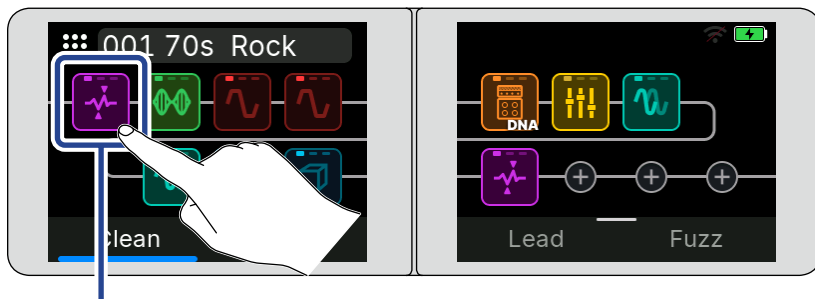


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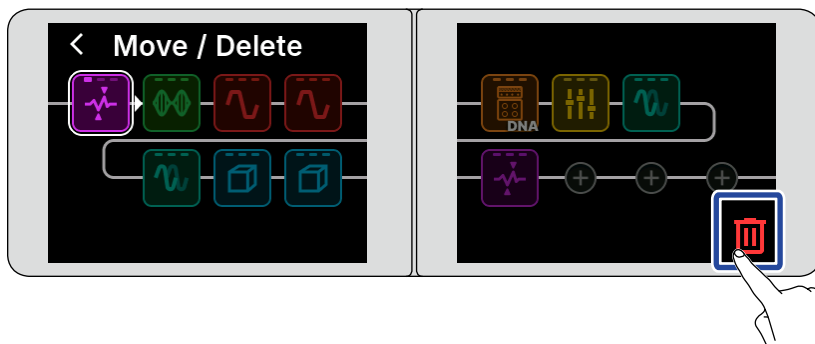
Deleting effects

1

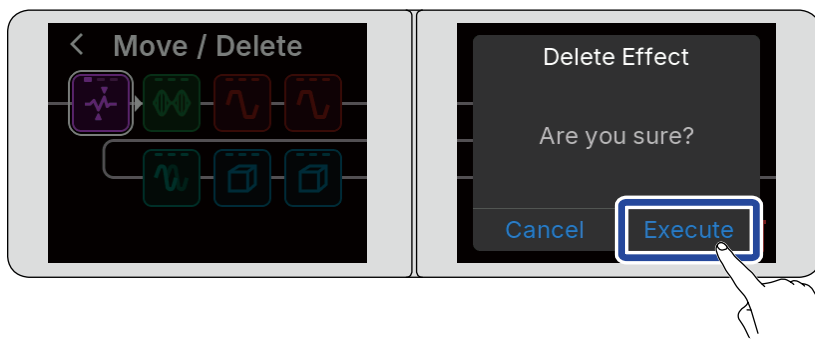


Touch and hold

2

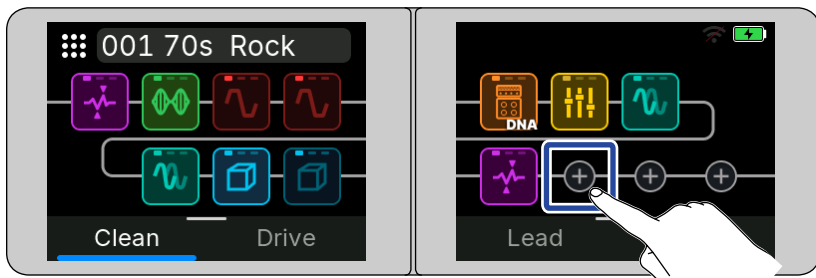


3



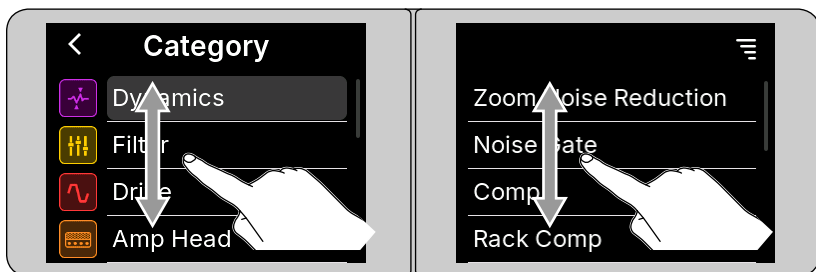
Adding effects

1



If the maximum number of effects is in use, the plus icon does not appear.

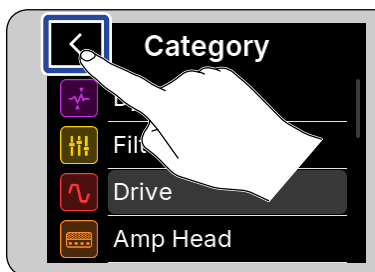
2



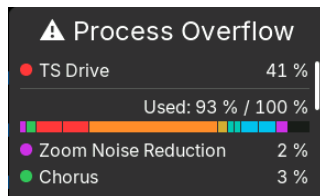
Drag to select and tap to confirm

Drag to select and tap to confirm

3

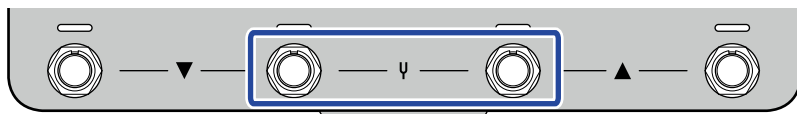


Items that exceed the processing capacity limit will be grayed out and cannot be selected. When tapping one, "Process Overflow" will appear, and you can check the processing load of each effect currently in use on the Rig. In this case, modify or delete one of the effects so that the total does not exceed 100%.



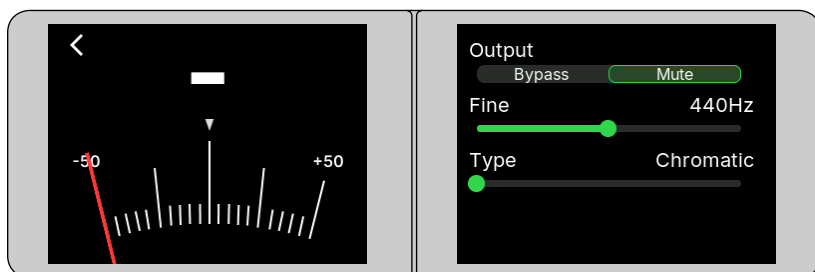
Using the tuner

1

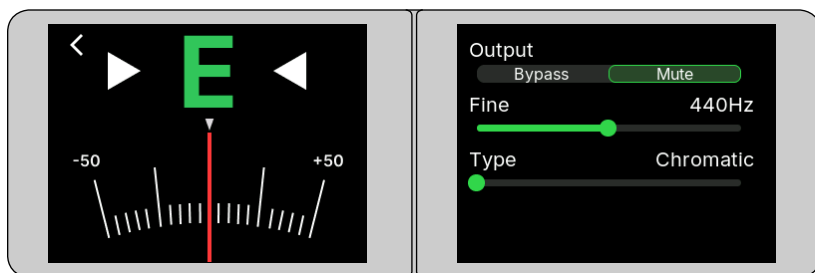


2

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



The nearest string and pitch detuning will be shown. The status indicator shows red at positions indicating that the pitch is out of tune.

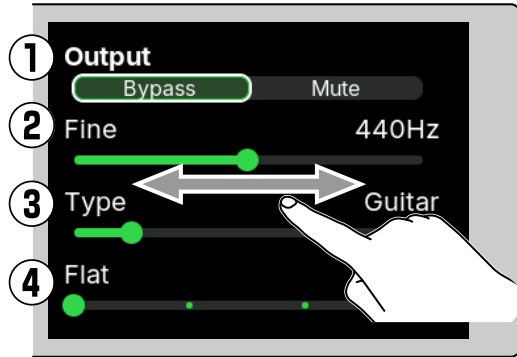


The note name turns green when the pitch is in tune. The center of the status indicator lights up green.

3

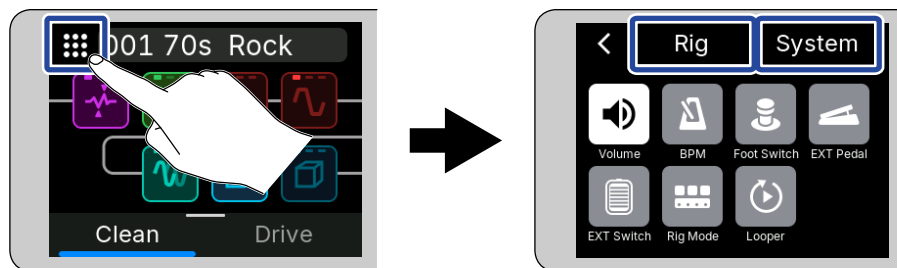
Press one of the footswitches or tap the back icon to exit the Tuner screen.

■ Changing tuner settings



① Output sound	Bypass: All effects are bypassed, and the original guitar sound is output. Mute: The guitar sound is not output.
② Reference pitch	Change the reference pitch.
③ Tuner type	Change the tuner type.
④ Flat tunings	All strings can be tuned flat from an ordinary tuning by 1 ($b \times 1$), 2 ($b \times 2$) or 3 ($b \times 3$) semitones. This setting appears when the tuner type is not "Chromatic".

Using the MENU



■ Rig menu

	Adjust the Rig or program volume.		Adjust the Rig tempo.
	Assign a function to a NEURIG footswitch.		Set the external pedal.
	Set the external switch.		Select Rig Mode.
	Display the Looper screen.		

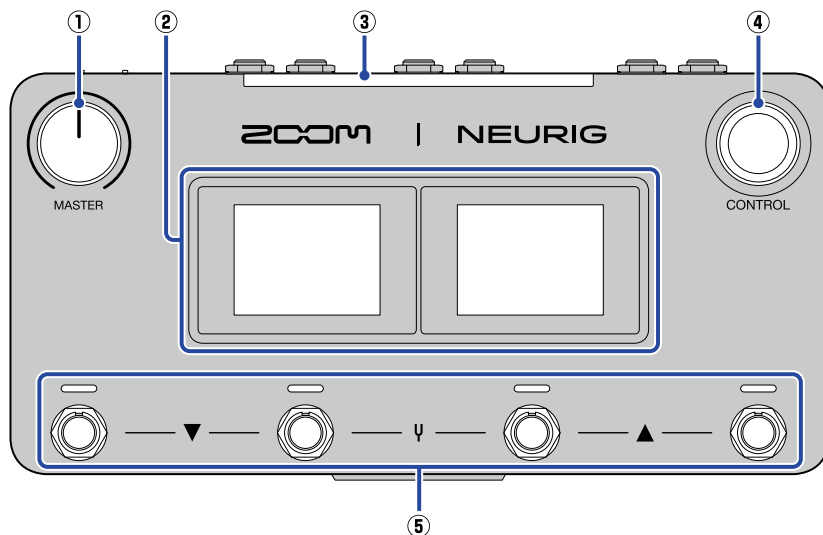
■ System menu

	Adjust EQ of the NEURIG output.		Set the audio level for the OUTPUT and SEND/RETURN jacks of the NEURIG to match the connected instruments or devices.
	Configure the MIDI settings common to all Rigs.		Configure the settings for when the unit is connected via USB.
	Switch ECO mode on/off.		Adjust the brightness of the dual touch screens.

 LED	Adjust the brightness of the status indicator/footswitch indicators.	 Bluetooth	Configure the Bluetooth connection settings.
 Wi-Fi	Configure the Wi-Fi connection settings.	 Auto Save	Turn the automatic saving function on/off.
 Reset All	Restore factory default settings.	 Firmware	Check the firmware versions.
 Help	Check the latest NEURIG information.		

Functions of parts

■ Top



① **MASTER knob**

This adjusts the overall volume.

② **Dual touch screens**

These show information including the Rig name, effects, and parameter values in the Rig.

You can configure the Rig, effects, and parameters by tapping.

③ **Status indicator**

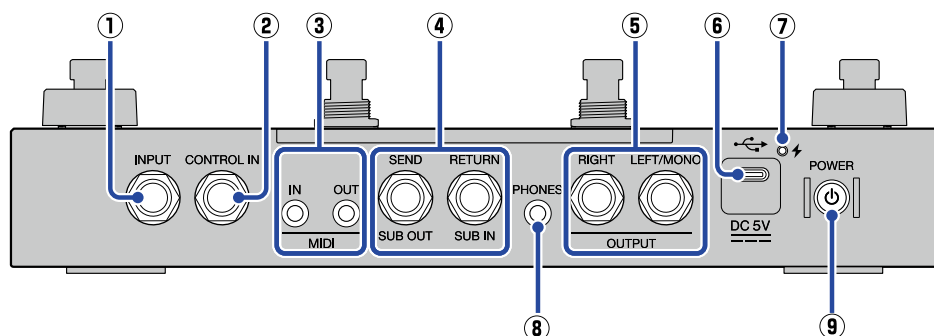
This shows the Rig Mode, tuning status, and pitch status.

④ **CONTROL knob**

Turn the knob to select a setting item and adjust its parameters, and then press the knob to confirm the settings.

⑤ **Footswitches**

Use these to select Rigs and programs, turn effects on / off, and more.



① **INPUT jack**

Connect a guitar here.

② **CONTROL jack**

Connect the expression pedal (ZOOM FP02M) or footswitch (ZOOM FS01) here to control effects.

③ **MIDI connector**

Connect an external MIDI device to the NEURIG using a 3.5 mm TRS MIDI cable to use the devices together.

④ **SEND/RETURN and SUB OUT/IN jacks***

• SEND/SUB OUT jack

Used as an effects loop:

Connect to the INPUT jack of an external effects unit.

Used as a sub output:

Connect to the INPUT jack of an external output device.

• RETURN/SUB IN jack

Used as an effects loop:

Connect to the OUTPUT jack of an external effects unit.

Used as a sub input:

Connect to the OUTPUT jack of an instrument.

⑤ **OUTPUT jacks***

Connect a guitar amp or powered monitors here.

⑥ **USB (Type-C) port**

Use this port to connect to a USB AC adapter or a portable battery for charging.

Connect a computer or smart-phone/tablet here.

It supports operation on USB bus power.

⑦ **Charging Indicator**

This light turns on during charging. It turns off when charging is complete.

⑧ **PHONES output jack**

Connect headphones here.

⑨ **POWER button**

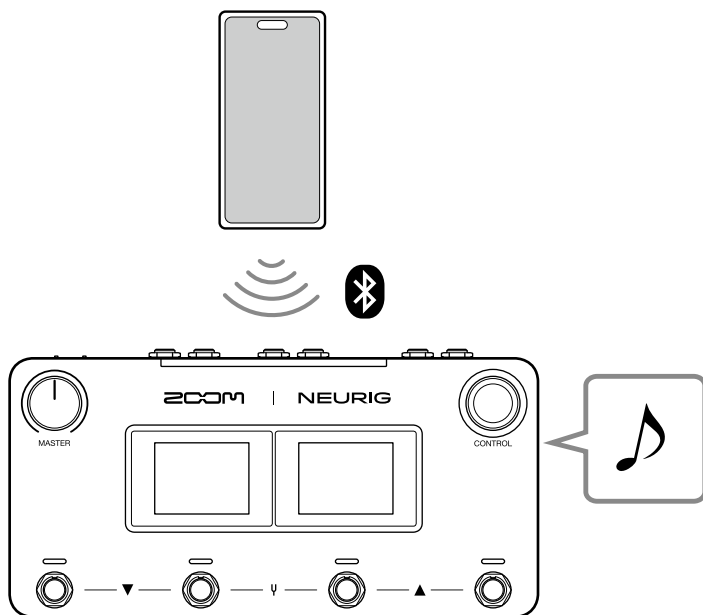
This turns the power on/off.

*You can adjust the volume using the Audio Level setting (Inst/Line).

Other functions

Bluetooth audio

By connecting the NEURIG to a smartphone via Bluetooth, you can play your guitar along with music from music or video streaming services.



Troubleshooting

Problem	Solution
The unit will not power on	Check whether the battery is depleted.
	Confirm that the USB adapter is rated at 10 W (5 V, 2 A) or higher.
	If the USB adapter is connected, confirm that it is connected securely.
There is no sound or output is very quiet	Check the connections.
	Adjust the MASTER volume.
	Check the Rig settings.
	Check the Audio Level settings.
	Confirm that the tuner output setting is not set to "Mute".
There is a lot of noise	Check the connection method.
	Replace the instrument cable with another one and check if the noise is reduced.
	Replace the USB adapter with another one and check if the noise is reduced.
An effect cannot be selected	If the effect processing power is exceeded when selecting an effect, "Process Overflow" will appear on the display, and the effect cannot be selected.
Charging is slow	Confirm that the USB adapter is rated at 10 W (5 V, 2 A) or higher.
The lithium-ion battery depletes quickly	The following settings increase battery consumption: · The display brightness level is set to high (icon in the upper-left corner of the Home screen > System > Display). · The LED brightness level is set to high (icon in the upper-left corner of the Home screen > System > LED). · Audio Level is set to Line (icon in the upper-left corner of the Home screen > System > Audio Level). · Bluetooth or Wi-Fi is set to on (icon in the upper-left corner of the Home screen > System > Bluetooth / Wi-Fi).
The unit will not power off	If the power does not turn off, perform a forced shut-down. Press and hold the power button for at least 10 seconds until the status indicator turns off.

Lithium-ion battery

- The remaining charge level of the built-in lithium-ion battery is indicated by the battery icon in the upper-right corner of the screen.
- Charging status: The charging indicator at the upper left of the POWER button lights up green during charging and turns off when charging is complete.
- Charging time (power off): Approximately 3 hours / Continuous operating time: Approximately 4.5 hours

Charging

- After charging is complete, do not leave the cable connected for a long period of time.
- To avoid overheating, damage, or deterioration, charge the lithium-ion battery at an ambient temperature between 5 °C and 35 °C .
- Even when the unit is not used for an extended period, charge and discharge the lithium-ion battery once every three months to prevent deterioration.
- Follow the instructions in "Warnings regarding safe battery use" when handling the lithium-ion battery.

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