Thank you very much for purchasing the ZOOM G5n.

Please read this manual carefully to learn about all the functions of the G5n so that you will be able to use it fully.

Keep this manual in a convenient place for reference when necessary.
Usage and safety precautions

Safety Precautions

In this manual, symbols are used to highlight warnings and cautions that you must read to prevent accidents. The meanings of these symbols are as follows:

⚠️ Warning ⚠️ Caution

Something that could cause serious injury or death.

Something that could cause injury or damage to the equipment.

Other symbols

⚠️ Required (mandatory) actions

🚫 Prohibited actions

⚠️ Warning

Operation using an AC adapter

⚠️ Use only a ZOOM AD-16 AC adapter with this unit.

🚫 Do not do anything that could exceed the ratings of outlets and other electrical wiring equipment.

Alterations

🚫 Never open the case or attempt to modify the product.

⚠️ Precautions

Product handling

⚠️ Do not drop, bump or apply excessive force to the unit.

⚠️ Be careful not to allow foreign objects or liquids to enter the unit.

Operating environment

🚫 Do not use in extremely high or low temperatures.

🚫 Do not use near heaters, stoves and other heat sources.

🚫 Do not use in very high humidity or near splashing water.

🚫 Do not use in places with excessive vibrations.

🚫 Do not use in places with excessive dust or sand.

AC adapter handling

⚠️ When disconnecting the AC adapter from an outlet, always pull the body of the adapter itself.

⚠️ During lightning storms or when not using the unit, disconnect the power plug from the AC outlet.

Connecting cables with input and output jacks

⚠️ Always turn the power OFF for all equipment before connecting any cables.

⚠️ Always disconnect all connection cables and the AC adapter before moving the unit.

Volume

🚫 Do not use the product at a loud volume for a long period of time.

Usage Precautions

Interference with other electrical equipment

In consideration of safety, the GSn has been designed to minimize the emission of electromagnetic radiation from the device and to minimize external electromagnetic interference. However, equipment that is very susceptible to interference or that emits powerful electromagnetic waves could result in interference if placed nearby. If this occurs, place the GSn and the other device farther apart.

With any type of electronic device that uses digital control, including the GSn, electromagnetic interference could cause malfunction, corrupt or destroy data and result in other unexpected trouble. Always use caution.

Cleaning

Use a soft cloth to clean the panels of the unit if they become dirty. If necessary, use a damp cloth that has been wrung out well.

Never use abrasive cleansers, wax or solvents, including alcohol, benzene and paint thinner.

Malfunction

If the unit becomes broken or malfunctions, immediately disconnect the AC adapter, turn the power OFF and disconnect other cables. Contact the store where you bought the unit or ZOOM service with the following information: product model, serial number and specific symptoms of failure or malfunction, along with your name, address and telephone number.

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• Macintosh® and Mac OS® are trademarks or registered trademarks of Apple Inc.

• All other trademarks, product names and company names mentioned in this documentation are the property of their respective owners.

Note: All trademarks and registered trademarks mentioned in this manual are for identification purposes only and are not intended to infringe on the copyrights of their respective owners.

FCC regulation warning (for U.S.A.)

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

For EU Countries

Declaration of Conformity
Introduction

More advanced user interface
We have made the stompbox-style user interface developed for our G series even more advanced. An Overview Display that allows you to see all the effects being used in the patch at a glance has been added to the 4 Unit Displays.

Detailed emulations of amp and cabinet characteristics
The G5n delivers studio-quality sound with precise emulations of circuit operations and tube amp characteristics along with cabinets modeled using impulse responses.

Download new effects and patches
Our free G5n Effects/Patch Manager software for Windows and MacOS allows you to regularly download new effects and patches created by ZOOM. For detailed information, see the ZOOM website (http://www.zoom.co.jp/downloads/).

Terms used in this manual

Patch
The G5n can store up to 200 patches with effect parameter settings and ON/OFF states.

Bank
A set of four patches is called a "bank".

Unit
Each "Unit" combines a Unit Display, 4 parameter knobs and a foot switch.

Large effect
An effect that uses multiple units is called a "large effect".

*A printed list of effect parameters is not included with the G5n. Please download a copy from the ZOOM website.  http://www.zoom.co.jp/
Part names

Front panel

Overview Display
TYPE keys
Unit Display
Parameter knobs
(TREBLE keys)
Footswitches FS1–FS4
TUNER switch
BANK/SCROLL switches
Mode switch
TAP switch

Rear panel

INPUT jack
AUX IN jack
OUTPUT jacks
CONTROL IN jack

Pedal switch

Guitar
Portable music player, etc.

Guitar amp
Headphones
Monitor speakers

Computer

DC 9V
AC adapter connector

Dedicated AC adapter (AD-16)
Turning the power on

To turn the power on

• Lower the amplifier’s volume all the way.

• Connect the AC adapter before setting the POWER switch to ON.

• Turn the power of your guitar amplifier or PA system on and raise its volume.

HINT

The G5n starts up in the mode used when the POWER switch was last turned OFF.

Using the eco setting

When eco mode is ON, the G5n will automatically turn off if it is not used for 10 hours.
Display information

Display in STOMP mode

Overview Display

HINT
The effects currently shown on the 4 Unit Displays have white backgrounds.

Unit Display

Standard effect

Parameter names

Parameter values

Large effect

Parameter names

Parameter values

Switching unit display contents

Press to switch between showing parameters and effect names.
Display information

Display in MEMORY mode

- Overview Display

- Unit Display
Adjusting effects

Press \( \text{MEMORY} / \text{STOMP} \) to change to STOMP mode.

Turning effects ON/OFF

• Press \( \text{OFF} \rightarrow \text{ON} \).
• This turns that effect ON/OFF.

NOTE

Effect \( \text{[FOOT]} \) has special functions for some effect types. The parameter function assigned to \( \text{[FOOT]} \) is shown on the Unit Display with white letters on a dark background.

<table>
<thead>
<tr>
<th>Effect Type</th>
<th>Assigned Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>[AMP] Input</td>
<td>Bass, MID, Treble</td>
</tr>
<tr>
<td>[FX] Preset</td>
<td>Gain, UOL, Solo</td>
</tr>
</tbody>
</table>

Selecting effect types

• Press \( \text{SELECT} \) TYPE \( \text{[UP/DOWN]} \).
• This changes the effect type.

<table>
<thead>
<tr>
<th>Effect Type</th>
<th>Parameter Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>[DELAY] Delay</td>
<td>Time: 560, Feedback: 30, Mix: 70, Tail: OFF</td>
</tr>
<tr>
<td>[TAPES] Tap Echo</td>
<td>Time: 560, Feedback: 64, Mix: 56, Tail: OFF</td>
</tr>
</tbody>
</table>
NOTE
The 
allows you to combine up to 9 effects in whatever order you like. If limits on the processing capability or the number of units used are exceeded, a "PROCESS OVERFLOW" warning will appear and effects will be bypassed. To end bypassing, delete some effects or change their types.

Overview Display

Unit Display

Selecting effect categories

• While pressing and holding TYPE ▲, press TYPE ▼.

• The category name will appear and the effect will be changed to the first effect type in the category.

HINT
While pressing and holding TYPE ▼, press TYPE ▲ to change effect categories in reverse order.
Adjusting parameters

• Turn 1, 2, 3 and 4.

[DELAY]  
Time: F.B: Mix: Tail
560 50 70 OFF

[DELAY]  
Time: F.B: Mix: Tail
1562 59 89 ON

HINT
Parameter adjustments are saved automatically.

NOTE
Set Time, Rate and other effect parameters to musical notes to sync them to the tempo.

Scrolling effect displays

• Press SCROLL, SCROLL.

• Press repeatedly to scroll the effect displays.

Note about effect displays
You can check the effects the G5n is using at a glance on the Overview Display. The effects currently shown on the Unit Displays have white backgrounds.
Adding effects

- Confirm that the Overview Display shows the Home Screen.

- Press \( \text{MENU} \) to open the MENU screen.

- Turn \( \text{ADD} \) to select ADD.

- Press \( \text{ADD} \) to open the ADD screen.

- Turn \( \text{ADD} \) to select where the effect will be added.

- Press \( \text{ADD} \) to confirm where the effect is added.

---

NOTE
If 9 effects are already in use, ADD will not be shown.
Adjusting effects

• A cable will be added to the Unit Display.

• Press \( \text{\textbullet \textbullet \ \textbullet \textbullet \ } \text{TYPE } \text{\textbullet \textbullet \ \textbullet \textbullet \ } \) to select the effect type.

Unit Display

Overview Display

Completing the addition of effects

• Turn \( \text{\textbullet \textbullet \ \textbullet \textbullet \ } \) to select EXIT.

• Press \( \text{\textbullet \textbullet \ \textbullet \textbullet \ } \)

• The Home Screen reopens.
Deleting effects

- Confirm that the Overview Display shows the Home Screen.

- Press \( \text{MENU} \) to open the MENU screen.

- Turn \( \text{DELETE} \) to select DELETE.

- Press \( \text{DELETE} \) to open the DELETE screen.

- Turn \( \text{DELETE} \) to select the effect to delete.

- Press .

- Press \( \text{DELETE} \) to delete the effect.
Adjusting effects

Changing the effect order

• Confirm that the Overview Display shows the Home Screen.

• Press \( \text{MENU} \) to open the MENU screen.

• Turn \( \text{CHAIN} \) to select CHAIN.

• Press \( \text{CHAIN} \) to open the CHAIN screen.
Adjusting effects

- Turn \( \) to select the effect to swap.

- Press \( \) to confirm the effect to swap.

- Turn \( \) to swap with the next effect in the chain.

- Press \( \) to end selection of the effect.

- Turn \( \) to select EXIT.

- Press \( \) .

- The Home Screen reopens.
Using the output booster

The output booster function affects the signal just before output, emulating a tube booster.

Setting the boost level

• Turn BOOST.

NOTE
• Turn all the way to the left to turn boost OFF.
• Turning this right increases the boost amount.

Adjusting the audio quality

• Turn TONE.

Knob centered
Frequencies are not adjusted.

Knob turned left
Low frequencies are emphasized.

Knob turned right
High frequencies are emphasized.

Adjusting the master level

• Turn MASTER LEVEL.

NOTE
• The setting range is -∞ to +6 dB.
• When the knob is centered the setting is 0 dB.
Using patches

Selecting patches

■ Switching patches

- Press .

- Switch to MEMORY mode.

**Overview Display**

**Unit Display**

![Unit Display Diagram]

**NOTE**

The selected patch has a white background.

■ Switching banks

- In MEMORY mode, press .

- This changes the bank.

![Switching Banks Diagram]

**NOTE**

- Press and hold to change banks continuously.

- See P30 for information about the preselect function that enables changing to banks with distant numbers.
Setting independent patch parameters

■ Entering patch setting mode

• Confirm that the Overview Display shows the Home Screen.

• Press \ to open the MENU screen.

• Turn \ to select PATCH.

• Press \ to open the PATCH SETTINGS screen.

■ Adjusting patch levels

• Turn \ to select LEVEL.

• Press \.

• Turn \ to set the patch level.
Using patches

- Press \( \) to confirm the patch level.

<table>
<thead>
<tr>
<th>Patch Settings</th>
<th>Edited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level</td>
<td>115</td>
</tr>
</tbody>
</table>

**NOTE**
The setting range is 0–120.

- Turn \( \) to select the character to change.

<table>
<thead>
<tr>
<th>Patch Settings</th>
<th>Edited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level</td>
<td>115</td>
</tr>
</tbody>
</table>

- Press \( \) to confirm the character to change.

<table>
<thead>
<tr>
<th>Patch Settings</th>
<th>Edited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level</td>
<td>115</td>
</tr>
</tbody>
</table>

- Turn \( \) to change the character.

<table>
<thead>
<tr>
<th>Patch Settings</th>
<th>Edited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level</td>
<td>115</td>
</tr>
</tbody>
</table>

- Press \( \) to confirm the changed character.

<table>
<thead>
<tr>
<th>Patch Settings</th>
<th>Edited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level</td>
<td>115</td>
</tr>
</tbody>
</table>
NOTE
• The characters and symbols that can be used are as follows.
  ! # $ % & ' () +, -. ; = @ [\] ^ _ ` { } ~ (space) A–Z, a–z, 0–9
• Press and hold \ to change the character type.

Ending patch setting mode

• Press \ to end patch setting mode.

✓

• The Home Screen reopens.

Saving patches

• Confirm that the Overview Display shows the Home Screen.

✓

• Press \ to open the MENU screen.

✓

• Turn \ to select SAVE.

✓

• Press \ to open the SAVE screen.
Using patches

- Turn  to select where the patch will be saved.

<table>
<thead>
<tr>
<th>SAVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATCH No.001</td>
</tr>
<tr>
<td>RockOD Set</td>
</tr>
</tbody>
</table>

- Press  to confirm where the patch will be saved.

<table>
<thead>
<tr>
<th>SAVE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>001: RockOD Set</td>
</tr>
<tr>
<td>YES</td>
</tr>
</tbody>
</table>

- Turn  to select YES.

<table>
<thead>
<tr>
<th>SAVE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>001: RockOD Set</td>
</tr>
<tr>
<td>YES</td>
</tr>
</tbody>
</table>

HINT
Select NO to cancel saving the patch.

- Press  to save the patch.

<table>
<thead>
<tr>
<th>SAVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>001: RockOD Set</td>
</tr>
<tr>
<td>Complete!</td>
</tr>
</tbody>
</table>

Swapping patches

- Confirm that the Overview Display shows the Home Screen.

- Press  to open the MENU screen.
Using patches

- Turn  to select SWAP.

- Press  to open the SWAP screen.

- Turn  to select the patch to be swapped.

- Press  to confirm the patch to be swapped.

- Turn  to select YES.

- Press  to swap the patches.

HINT
Select NO to cancel swapping.
Changing USB audio settings

Opening the USB AUDIO screen

• Confirm that the Overview Display shows the Home Screen.

• Press to open the MENU screen.

• Turn to select USB.

• Press to open the USB AUDIO screen.
Adjusting the USB audio monitoring balance

- On the USB AUDIO screen, turn to select MONITOR BALANCE.

| USB AUDIO |
|---|---|
| MONITOR BALANCE | RECORDING GAIN |
| DIRECT | DAW |
| 50 | 0dB |

- Press .

| USB AUDIO |
|---|---|
| MONITOR BALANCE | RECORDING GAIN |
| DIRECT | DAW |
| 75 | 0dB |

- Turn to adjust the monitoring balance.

<table>
<thead>
<tr>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>• This adjusts the balance between the DAW software (computer) output and the direct monitoring signals.</td>
</tr>
<tr>
<td>• The setting range is 0–100.</td>
</tr>
<tr>
<td>• The balance will be only the direct (live input) signal when set to 0 and only the output from the DAW software (computer) when set to 100.</td>
</tr>
</tbody>
</table>

- Press to confirm the monitoring balance.
Adjusting the recording level

• On the USB AUDIO screen, turn to select RECORDING GAIN.

<table>
<thead>
<tr>
<th>USB AUDIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONITOR BALANCE</td>
</tr>
<tr>
<td>DIRECT</td>
</tr>
</tbody>
</table>

• Press .

<table>
<thead>
<tr>
<th>USB AUDIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONITOR BALANCE</td>
</tr>
<tr>
<td>DIRECT</td>
</tr>
</tbody>
</table>

• Turn to adjust the recording level.

<table>
<thead>
<tr>
<th>USB AUDIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONITOR BALANCE</td>
</tr>
<tr>
<td>DIRECT</td>
</tr>
</tbody>
</table>

NOTE
• This adjusts the volume sent to the DAW software (computer).
• The setting range is −6 dB to +6 dB.

• Press to confirm the recording level.

<table>
<thead>
<tr>
<th>USB AUDIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONITOR BALANCE</td>
</tr>
<tr>
<td>DIRECT</td>
</tr>
</tbody>
</table>
Changing various settings

Opening the SETUP screen

- Confirm that the Overview Display shows the Home Screen.

- Press \( \text{menu} \) to open the MENU screen.

- Turn \( \text{select} \) to select SETUP.

- Press \( \text{select} \) to open the SETUP screen.

Setting the auto save function

- On the SETUP screen, turn \( \text{select} \) to select SYSTEM.

- Press \( \text{select} \) to open the SYSTEM screen.
Changing various settings

• On the SYSTEM screen, turn \( \text{\textbullet} \) to select AUTO SAVE.

\[
\begin{array}{|c|c|c|}
\hline
\text{SYSTEM} & \text{AUTO SAVE} & \text{Eco} \\hline
\text{ON} & \text{ON} & \text{VERSION} \\hline
\end{array}
\]

• Press \( \text{\textbullet} \).

\[
\begin{array}{|c|c|c|}
\hline
\text{SYSTEM} & \text{AUTO SAVE} & \text{Eco} \\hline
\text{ON} & \text{ON} & \text{VERSION} \\hline
\end{array}
\]

• Turn \( \text{\textbullet} \) to set AUTO SAVE to ON/OFF.

\[
\begin{array}{|c|c|c|}
\hline
\text{SYSTEM} & \text{AUTO SAVE} & \text{Eco} \\hline
\text{OFF} & \text{ON} & \text{VERSION} \\hline
\end{array}
\]

**NOTE**
When set to OFF, no patch or effect parameters will be saved automatically.

• Press \( \text{\textbullet} \) to confirm the auto save setting.

\[
\begin{array}{|c|c|c|}
\hline
\text{SYSTEM} & \text{AUTO SAVE} & \text{Eco} \\hline
\text{OFF} & \text{ON} & \text{VERSION} \\hline
\end{array}
\]

**Note about switching patches**

When AUTO SAVE is set to OFF, if you try to switch patches after changing any parameters, a message will appear asking to save the parameter changes. To save changes to parameters before switching patches, select YES. (P21) To discard changes to parameters before switching patches, select NO.
Setting up an external pedal

This setting makes 2 pedal effects usable, with the pedal effect selected second assigned to the external pedal.

- On the SETUP screen, turn \( \text{to select EXT PDL.} \)

<table>
<thead>
<tr>
<th>SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXT PDL</td>
</tr>
<tr>
<td>OFF</td>
</tr>
</tbody>
</table>

- Press \( \text{.} \)

<table>
<thead>
<tr>
<th>SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXT PDL</td>
</tr>
<tr>
<td>OFF</td>
</tr>
</tbody>
</table>

- Turn \( \text{to switch the external pedal ON/OFF.} \)

<table>
<thead>
<tr>
<th>SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXT PDL</td>
</tr>
<tr>
<td>ON</td>
</tr>
</tbody>
</table>

- Press \( \text{to confirm the external pedal setting.} \)

<table>
<thead>
<tr>
<th>SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXT PDL</td>
</tr>
<tr>
<td>ON</td>
</tr>
</tbody>
</table>
Setting the preselect function

With this setting, pressing \( \text{\textasciitilde}, \text{\textasciitilde} \) to change the bank only changes what is shown on the display until you press \( \text{\textasciitilde} \) to confirm the patch change.

- On the SETUP screen, turn \( \text{\textasciitilde} \) to select PRESEL.
- Press \( \text{\textasciitilde} \).
- Turn \( \text{\textasciitilde} \) to set PRESEL to ON/OFF.
- Press \( \text{\textasciitilde} \) to confirm the preselect setting.
Setting the eco mode

When eco mode is on, the G5n will automatically turn off if not used for 10 hours.

• On the SETUP screen, turn to select SYSTEM.

```
<table>
<thead>
<tr>
<th>SETUP</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EXT PDL</td>
<td>OFF</td>
<td>PRESEL</td>
<td>OFF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LCD-CNTRST</td>
</tr>
</tbody>
</table>
```

• Press to open the SYSTEM screen.

```
<table>
<thead>
<tr>
<th>SYSTEM</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO_SAVE</td>
<td>ON</td>
<td>eco</td>
<td>ON</td>
</tr>
<tr>
<td>VERSION</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

• On the SETUP screen, turn to select eco.

```
<table>
<thead>
<tr>
<th>SYSTEM</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO_SAVE</td>
<td>ON</td>
<td>eco</td>
<td>ON</td>
</tr>
<tr>
<td>VERSION</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

• Press .

```
<table>
<thead>
<tr>
<th>SYSTEM</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO_SAVE</td>
<td>ON</td>
<td>eco</td>
<td>OFF</td>
</tr>
<tr>
<td>VERSION</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

• Turn to set eco to ON/OFF.

```
<table>
<thead>
<tr>
<th>SYSTEM</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO_SAVE</td>
<td>ON</td>
<td>eco</td>
<td>OFF</td>
</tr>
<tr>
<td>VERSION</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

• Press to confirm the eco mode setting.
Adjusting the display contrast

- On the SETUP screen, turn \( \) to select LCD CNTRST.

<table>
<thead>
<tr>
<th>SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXT PDL</td>
</tr>
<tr>
<td>OFF</td>
</tr>
</tbody>
</table>

- Press \( \) to open the LCD CONTRAST screen.

<table>
<thead>
<tr>
<th>LCD CONTRAST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL UNIT1 UNIT2 UNIT3 UNIT4</td>
</tr>
<tr>
<td>8 8 8 8</td>
</tr>
</tbody>
</table>

- Turn \( \) to select a display to adjust its contrast.

<table>
<thead>
<tr>
<th>LCD CONTRAST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL UNIT1 UNIT2 UNIT3 UNIT4</td>
</tr>
<tr>
<td>8 8 11 8</td>
</tr>
</tbody>
</table>

- Press \( \) to confirm the display.

<table>
<thead>
<tr>
<th>LCD CONTRAST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL UNIT1 UNIT2 UNIT3 UNIT4</td>
</tr>
<tr>
<td>8 8 11 8</td>
</tr>
</tbody>
</table>

- Turn \( \) to adjust the contrast.

<table>
<thead>
<tr>
<th>LCD CONTRAST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL UNIT1 UNIT2 UNIT3 UNIT4</td>
</tr>
<tr>
<td>8 8 11 8</td>
</tr>
</tbody>
</table>

- Press \( \) to confirm the contrast setting.

<table>
<thead>
<tr>
<th>LCD CONTRAST</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL UNIT1 UNIT2 UNIT3 UNIT4</td>
</tr>
<tr>
<td>8 8 11 8</td>
</tr>
</tbody>
</table>

NOTE
The setting range is 1–13.
Using the tuner

Activating the tuner

• Confirm that the Overview Display shows the Home Screen.

• Press \text{TUNER}.

• This enables the tuner.

\text{NOTE}

Whenever the Overview Display shows any other screen, press \text{TUNER} to reopen the Home Screen.

Tuning a guitar

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

  \textbf{Chromatic tuner}
  The name of the nearest note and the pitch accuracy are shown.

  \textbf{Other tuners}
  The number of the nearest string and the pitch accuracy are shown.
Using the tuner

Closing the tuner

• Press when the TUNER screen or MENU screen is open.

• The Home Screen reopens.

Changing the tuner settings

■ Opening the TUNER MENU screen

• Confirm that the Overview Display shows the TUNER screen or Home Screen.

• Press to open the TUNER MENU screen.

• On the SETUP screen, turn to select TUNER.
Using the tuner

• Press \( \text{○} \) to open the TUNER MENU screen.

<table>
<thead>
<tr>
<th>TUNER</th>
<th>OUTPUT</th>
<th>CALIBRATION</th>
<th>TYPE</th>
<th>FLAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>BYPASS</td>
<td>440Hz</td>
<td>GUITAR</td>
<td>b×0</td>
<td></td>
</tr>
</tbody>
</table>

■ Changing the tuner mode

• On the TUNER MENU screen, turn \( \text{○} \) to select OUTPUT.

<table>
<thead>
<tr>
<th>TUNER</th>
<th>OUTPUT</th>
<th>CALIBRATION</th>
<th>TYPE</th>
<th>FLAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>BYPASS</td>
<td>440Hz</td>
<td>GUITAR</td>
<td>b×0</td>
<td></td>
</tr>
</tbody>
</table>

• Press \( \text{○} \).

<table>
<thead>
<tr>
<th>TUNER</th>
<th>OUTPUT</th>
<th>CALIBRATION</th>
<th>TYPE</th>
<th>FLAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>BYPASS</td>
<td>440Hz</td>
<td>GUITAR</td>
<td>b×0</td>
<td></td>
</tr>
</tbody>
</table>

• Turn \( \text{○} \) to set it to BYPASS, MUTE or EFFECT.

<table>
<thead>
<tr>
<th>TUNER</th>
<th>OUTPUT</th>
<th>CALIBRATION</th>
<th>TYPE</th>
<th>FLAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUTE</td>
<td>440Hz</td>
<td>GUITAR</td>
<td>b×0</td>
<td></td>
</tr>
</tbody>
</table>

**BYPASS**
When the tuner is operating, the sound is output without any effects.

**MUTE**
When the tuner is operating, no sound is output.

**EFFECT**
When the tuner is operating, the sound processed by the selected patch is output.

• Press \( \text{○} \) to confirm the tuner mode.

<table>
<thead>
<tr>
<th>TUNER</th>
<th>OUTPUT</th>
<th>CALIBRATION</th>
<th>TYPE</th>
<th>FLAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUTE</td>
<td>440Hz</td>
<td>GUITAR</td>
<td>b×0</td>
<td></td>
</tr>
</tbody>
</table>
Changing the standard pitch of the tuner

- On the TUNER MENU screen, turn to select CALIBRATION.

<table>
<thead>
<tr>
<th>TUNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
</tr>
<tr>
<td>BYPASS</td>
</tr>
</tbody>
</table>

- Press .

<table>
<thead>
<tr>
<th>TUNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
</tr>
<tr>
<td>BYPASS</td>
</tr>
</tbody>
</table>

- Turn to change the standard pitch.

<table>
<thead>
<tr>
<th>TUNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
</tr>
<tr>
<td>BYPASS</td>
</tr>
</tbody>
</table>

**NOTE**

The setting range is 435–445 Hz for middle A.

- Press to confirm the standard pitch of the tuner.

<table>
<thead>
<tr>
<th>TUNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
</tr>
<tr>
<td>BYPASS</td>
</tr>
</tbody>
</table>
Changing the tuner type

- On the TUNER MENU screen, turn \( \rightarrow \) to select TYPE.

- Press \( \downarrow \).

- Turn \( \rightarrow \) to select the tuner type.

<table>
<thead>
<tr>
<th>Display</th>
<th>Meaning</th>
<th>String number/Note name</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUITAR</td>
<td>Standard tuning for guitars, including 7-string guitars</td>
<td>B E A D G B E</td>
</tr>
<tr>
<td>OPEN A</td>
<td>In open A tuning, the open strings make an A chord</td>
<td>- E A E A C# E</td>
</tr>
<tr>
<td>OPEN D</td>
<td>In open D tuning, the open strings make a D chord</td>
<td>- D A D F# A D</td>
</tr>
<tr>
<td>OPEN E</td>
<td>In open E tuning, the open strings make an E chord</td>
<td>- E B E G# B E</td>
</tr>
<tr>
<td>OPEN G</td>
<td>In open G tuning, the open strings make a G chord</td>
<td>- D G D G B D</td>
</tr>
<tr>
<td>DADGAD</td>
<td>This alternate tuning is often used for tapping, etc.</td>
<td>- D A D G A D</td>
</tr>
</tbody>
</table>

- Press \( \downarrow \) to confirm the tuner type.
Using the tuner

■ Using flat tuning

• On the TUNER MENU screen, turn to select FLAT.

<table>
<thead>
<tr>
<th>TUNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
</tr>
<tr>
<td>BYPASS</td>
</tr>
</tbody>
</table>

• Press .

<table>
<thead>
<tr>
<th>TUNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
</tr>
<tr>
<td>BYPASS</td>
</tr>
</tbody>
</table>

• Turn to change the flat tuning.

<table>
<thead>
<tr>
<th>TUNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
</tr>
<tr>
<td>BYPASS</td>
</tr>
</tbody>
</table>

**NOTE**

• You can drop the tuning by one (x 1), two (x 2) or three (x 3) semitones.
• Drop tuning is not possible when the TYPE is set to CHROMATIC.

• Press to confirm the flat tuning setting.

<table>
<thead>
<tr>
<th>TUNER</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT</td>
</tr>
<tr>
<td>BYPASS</td>
</tr>
</tbody>
</table>
Using rhythms

Selecting a rhythm

• Press [MEMORY/STOMP] to change to STOMP mode.

• Press [ ] to select a rhythm.

Playing a rhythm

• Press [ ] for the unit using the rhythm effect.

• The rhythm starts playing.

HINT

• During rhythm playback, you can switch between STOMP and MEMORY modes.
• If you change a patch during rhythm playback, the rhythm will stop.

Stopping a rhythm

• During rhythm playback, press [ ] for the unit using the rhythm.

• The rhythm stops.
Setting rhythms

■ Selecting rhythm patterns

- Turn  for the unit using the rhythm.

```
[RHYTHM] Rhythm
PATTERN BPM VOL
GUIDE  120  80
```

```
[RHYTHM] Rhythm
PATTERN BPM VOL
Rock1  120  80
```

**NOTE**
See P57 for information about the patterns.

■ Adjusting the rhythm tempo

- Turn  for the unit using the rhythm.

```
[RHYTHM] Rhythm
PATTERN BPM VOL
Rock1  120  80
```

```
[RHYTHM] Rhythm
PATTERN BPM VOL
Rock1  150  80
```

**NOTE**
- The setting range is 40–250 bpm.
- This tempo setting is used by every effect, rhythms and the looper.

■ Adjusting the rhythm volume

- Turn  for the unit using the rhythm effect.

```
[RHYTHM] Rhythm
PATTERN BPM VOL
Rock1  160  80
```

```
[RHYTHM] Rhythm
PATTERN BPM VOL
Rock1  160  100
```

**NOTE**
The setting range is 0–100.
Using the looper

Selecting the looper

- Press \[MEMORY\]/STOMP\] to change to STOMP mode.

- Use \[O▼ TYPE ▲▲\] to select a LOOPER for the desired unit.

  1-unit looper
  
  ![1-unit looper]

  2-unit looper
  
  ![2-unit looper]

**NOTE**

- There are 4 types of loopers: 1-unit mono, 2-unit mono, 1-unit stereo and 2-unit stereo.
- One LOOPER can be selected per patch.

Recording, playing and clearing phrases

**Recording phrases**

- Press \[\] for the first unit in the LOOPER.

- This starts recording.
Using the looper

• Recording stops and loop playback starts.

If the recording time is set to "MANUAL"
Loop playback will start when you press [RECORD] again or when the maximum recording time is reached.

If the recording time is set to a musical note
Loop playback will start when the set recording time is reached.

HINT
• See P44 for how to set the LOOPER recording time.
• During phrase recording and playback, switching to MEMORY mode will not interrupt it.

NOTE
• During rhythm playback, recording will start after the precount.
• Changing a patch will stop phrase recording and playback. Moreover, this will delete the phrase recording data.
• During rhythm playback, quantization is enabled so even if the recording ending time is not exact, the loop will automatically be adjusted so that loop playback stays in time.
• Changing the tempo of a RHYTHM during loop playback will erase the recorded phrase.

■ Overdubbing a recorded phrase

• During loop playback, press [RECORD] for the first unit in the LOOPER.

■ Stopping loop playback

With 1-unit looper
• During loop playback, press [RECORD] twice for the unit using the looper.

• This stops the playback.
Using the looper

With 2-unit looper

• During loop playback, press for the second unit in the LOOPER.

![Image](image1.png)

• This stops the playback.

![Image](image2.png)

Deleting phrases

With 1-unit looper

• When loop playback is stopped, press and hold for the unit using the looper.

![Image](image3.png)

• This deletes the phrase.

With 2-unit looper

• When loop playback is stopped, press for the second unit in the LOOPER.

![Image](image4.png)

• This deletes the phrase.
Using the looper

Setting the looper

### Setting the looper recording time

- Turn  for the unit using the looper.

![Image showing looper settings]

**NOTE**

- The setting options include MANUAL and 1–64 quarter notes.
- The recording time for the mono looper is from 1.5 to 80 seconds (40 seconds when UNDO is ON).
- The recording time for the stereo looper is from 1.5 to 40 seconds (20 seconds when UNDO is ON).
- Settings that will not fit in the recording time will be adjusted automatically.
- Changing the recording time will delete the recorded data.

### Setting the UNDO function

- Turn  for the unit using the looper to set it to ON/OFF.

![Image showing looper settings]

**NOTE**

When UNDO is ON, the recording time will become as follows.
- Mono looper: 40 seconds
- Stereo looper: 20 seconds

### Using the UNDO and REDO functions

If UNDO is ON, you can undo the last overdub. You can also use the REDO function to restore the phrase that the UNDO function deleted.

**With 1-unit looper**

To undo an overdub, press  for one second during playback. To restore the deleted phrase, press  for one second again.

**With 2-unit looper**

To undo an overdub, press  for the first unit twice during playback. To restore the deleted phrase, press  twice again.
Using the looper

■ Setting how loop playback stops

- Turn for the unit using the looper.

<table>
<thead>
<tr>
<th>STOP</th>
<th>OFF STOP FADE OUT 80</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STOP</td>
</tr>
</tbody>
</table>

STOP
Stop playback immediately.
FINISH
Play to the end and then stop.
FADE OUT
Stop after fading out.

■ Adjusting the looper volume

- Turn for the unit using the looper.

<table>
<thead>
<tr>
<th>VOL</th>
<th>OFF FADE OUT 80</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VOL</td>
</tr>
</tbody>
</table>

NOTE
The setting range is 0–100.
Using the pedal

Selecting the pedal effect

• Press MEMORY/STOMP to change to STOMP mode.

• Press ▼ TYPE ▲ to select the pedal effect.

NOTE
To select the pedal category, press TYPE ▲ while pressing and holding TYPE ▼, or press TYPE ▼ while pressing and holding TYPE ▲.

Turning the pedal effect ON/OFF

• Press down.

HINT
Press the front-end of the expression pedal down to turn the pedal effect ON/OFF. This does not, however, change the ON/OFF setting.

NOTE
You can also press to turn the pedal effect ON/OFF. This does change the ON/OFF setting.
Setting the tempo

The tempo is used for the looper, rhythm, and delay. In addition, some modulation effects can be synchronized.

To synchronize the tempo, select an effect that can be synchronized in advance and set a synchronizable parameter, such as "Time" or "Rate" to a musical note ("♩" or "♩") value.

- Press \[ \text{TAP} \] at least twice at the desired tempo.

- This sets the tempo.

HINT

You can turn \[ \text{ } \] to further adjust the tempo while the tempo pop-up is open.
Setting how the TAP LED blinks

The TAP LED can be set to blink only when the tap tempo function is being used or at all times.

• Press \[\text{MENU}\] to open the MENU screen.

• Turn \[\text{\textup{push}}\] to select SETUP.

\[\begin{array}{|c|c|c|c|c|}
\hline
\text{ADD} & \text{DELETE} & \text{CHAIN} & \text{PATCH} & \text{SAVE} \\
\hline
\text{SWAP} & \text{Tuner} & \text{USB} & \text{SETUP} & \text{EXIT} \\
\hline
\end{array}\]

• Press \[\text{\textup{push}}\] to open the SETUP screen.

\[\begin{array}{|c|c|c|c|}
\hline
\text{EXT PDL} & \text{PRESEL} & \text{SYSTEM} & \text{LCD-CNTRST} \\
\hline
\text{OFF} & \text{OFF} & \text{SYSTEM} & \text{CNTRST} \\
\hline
\end{array}\]

• On the SETUP screen, turn \[\text{\textup{push}}\] to select SYSTEM.

\[\begin{array}{|c|c|c|c|}
\hline
\text{EXT PDL} & \text{PRESEL} & \text{SYSTEM} & \text{LCD-CNTRST} \\
\hline
\text{OFF} & \text{OFF} & \text{SYSTEM} & \text{CNTRST} \\
\hline
\end{array}\]

• Press \[\text{\textup{push}}\] to open the SYSTEM screen.

\[\begin{array}{|c|c|c|c|}
\hline
\text{AUTO SAVE} & \text{TAP LED} & \text{eco} & \text{VERSION} \\
\hline
\text{ON} & \text{ALWAYS ON} & \text{ON} & \text{ON} \\
\hline
\end{array}\]

• On the SYSTEM screen, turns \[\text{\textup{push}}\] to select TAP LED.
Setting how the TAP LED blinks

- Press \(\bigcirc\) to set how the TAP LED blinks.

### SYSTEM

<table>
<thead>
<tr>
<th>AUTO SAVE</th>
<th>TAP LED</th>
<th>eco</th>
<th>VERSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>ALWAYS ON</td>
<td>ON</td>
<td></td>
</tr>
</tbody>
</table>

- Turn \(\bigcirc\) to set how the TAP LED blinks.

### SYSTEM

<table>
<thead>
<tr>
<th>AUTO SAVE</th>
<th>TAP LED</th>
<th>eco</th>
<th>VERSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>TAP MODE ONLY</td>
<td>ON</td>
<td></td>
</tr>
</tbody>
</table>

**ALWAYS ON**
The TAP LED always blinks.

**TAP MODE ONLY**
The TAP LED only blinks when the tap tempo function is being used.

- Press \(\bigcirc\) to confirm the TAP LED setting.

### SYSTEM

<table>
<thead>
<tr>
<th>AUTO SAVE</th>
<th>TAP LED</th>
<th>eco</th>
<th>VERSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>TAP MODE ONLY</td>
<td>ON</td>
<td></td>
</tr>
</tbody>
</table>
Using as an audio interface

The system requirements are as follows.

- **Compatible OS**
  - **Windows**
    - Windows® 7 (32-bit, 64-bit)
    - Windows® 8.1 (32-bit, 64-bit)
    - Windows® 10 (32-bit, 64-bit)
    - 32-bit: Intel® Pentium® 4 1.8 GHz or faster, RAM 1 GB or more
    - 64-bit: Intel® Pentium® DualCore 2.7 GHz or faster, RAM 2 GB or more
  - **Mac**
    - OS X 10.9/10.10/10.11
    - macOS 10.12
    - Intel® CoreDuo 1.83 GHz or faster
    - RAM 1 GB or more

- **Quantization (bit-rate)**
  - 16-bit

- **Sampling frequency**
  - 44.1 kHz

See the included startup guide for operating procedures, including recording and playback.

**HINT**
- You can balance the G5n output and the computer output. (See page 25.)
- You can adjust the recording level. (See page 26.)

**NOTE**
To monitor the signal of your connected guitar after it has passed through your DAW software, set USB AUDIO MONITOR balance to 100. (See page 25.)
At other settings, the output signal will sound like a flanger effect is being used.
Adjusting the pedal

Calibrating the sensitivity

• Turn the power switch ON while pressing.

• Operate the pedal as instructed on the display, and press when required.

• “Complete!” will appear before play mode becomes active.

NOTE
Calibrate in the following cases.
- Stepping on the pedal has little effect.
- The volume and tone changes greatly even when the pedal is only pressed lightly.

Adjusting the torque

• Insert the hex key into the vertical torque adjustment screw on the side of the pedal.

  Turn it clockwise to tighten the pedal, and turn it counterclockwise to loosen the pedal.

NOTE
Be careful when loosening a torque adjustment screw, because if you loosen it too much, it could come off inside the unit, making it impossible to hold the pedal in place.
Restoring default settings and patches

• While pressing , set the POWER switch to ON.

• Turn to select YES.

<table>
<thead>
<tr>
<th>ALL INITIALIZE</th>
<th>Are you sure?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>NO</td>
</tr>
</tbody>
</table>

HINT
Select NO to cancel initialization.

• Press to initialize.

• "Complete!" will appear on the display when initializing completes.

| ALL INITIALIZE | Complete! |

HINT
Executing the All Initialize function will restore all the settings of the , including its patches, to factory defaults. Do not use this function unless you are certain that you want to do this.
Updating the firmware

Checking the firmware version

• Confirm that the Overview Display shows the Home Screen.

• Press \( \text{MENU} \) to open the MENU screen.

• Turn \( \text{SETUP} \) to select SETUP.

• Press \( \text{SETUP} \) to open the SETUP screen.

• Turn \( \text{SYSTEM} \) to select SYSTEM.

• Press \( \text{SYSTEM} \) to open the SYSTEM screen.
Updating the firmware

- Turn to select VERSION.

<table>
<thead>
<tr>
<th>SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO SAVE</td>
</tr>
<tr>
<td>ON</td>
</tr>
</tbody>
</table>

- Press and check the version.

<table>
<thead>
<tr>
<th>VERSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTEM</td>
</tr>
<tr>
<td>1.00</td>
</tr>
</tbody>
</table>
Updating the firmware

To download the latest firmware

Visit the ZOOM Website (http://www.zoom.co.jp/).

- Connect the G5n to a computer using a USB cable.

- While pressing both FS1 and FS2, set the POWER switch to ON.

- Launch the version update application on your computer, and execute the update.

  ![FIRMWARE UPDATE](image)

**NOTE**
Do not disconnect the USB cable during the update.

**HINT**
See the ZOOM website for instructions about how to use the application.

- "Complete!" will appear on the display when updating completes.

  ![FIRMWARE UPDATE](image)

**HINT**
Updating the firmware version will not erase saved patches.

- Set the POWER switch to OFF.
Troubleshooting

No sound or very low volume

- Confirm that the POWER switch is set to “ON”.
- Check the connections (P4–5).
- Adjust the patch level (P19).
- Adjust the master level (P17).
- If you are using the expression pedal to adjust the volume, adjust the pedal position until the volume level is suitable.
- Confirm that the tuner is not in use and in MUTE mode (P34).

There is a lot of noise

- Check shielded cables for defects.
- Use only a genuine ZOOM AC adapter.

An effect is not working

- If limits on effect processing capacity, the number of units or the amount of resources used are exceeded, effects will be bypassed and the following message will appear (P10).
  
  PROCESS OVERFLOW

Expression pedal does not work well

- Select the pedal effect (P46).
- Adjust the pedal (P51).

The recorded level in a DAW is low

- Check the recording level setting (P26).
<table>
<thead>
<tr>
<th>No.</th>
<th>PatternName</th>
<th>TimSig</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GUIDE</td>
<td>4/4</td>
</tr>
<tr>
<td>2</td>
<td>8Beats1</td>
<td>4/4</td>
</tr>
<tr>
<td>3</td>
<td>8Beats2</td>
<td>4/4</td>
</tr>
<tr>
<td>4</td>
<td>8Beats3</td>
<td>4/4</td>
</tr>
<tr>
<td>5</td>
<td>16Beats1</td>
<td>4/4</td>
</tr>
<tr>
<td>6</td>
<td>16Beats2</td>
<td>4/4</td>
</tr>
<tr>
<td>7</td>
<td>16Beats3</td>
<td>4/4</td>
</tr>
<tr>
<td>8</td>
<td>Rock1</td>
<td>4/4</td>
</tr>
<tr>
<td>9</td>
<td>Rock2</td>
<td>4/4</td>
</tr>
<tr>
<td>10</td>
<td>Rock3</td>
<td>4/4</td>
</tr>
<tr>
<td>11</td>
<td>ROCKABLY</td>
<td>4/4</td>
</tr>
<tr>
<td>12</td>
<td>R’n’R</td>
<td>4/4</td>
</tr>
<tr>
<td>13</td>
<td>HardRock</td>
<td>4/4</td>
</tr>
<tr>
<td>14</td>
<td>HeavyMtl</td>
<td>4/4</td>
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<td>R&amp;B2</td>
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<td>Shuffle1</td>
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<td>Breaks3</td>
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<td>58</td>
<td>12/8 Grv</td>
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<td>Waltz</td>
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<td>CtWaltz2</td>
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<td>5/4 Grv</td>
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## Specifications

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<th>Effect types</th>
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<td>Number of user patches</td>
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<td>Sampling frequency</td>
<td>44.1 kHz</td>
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<td>A/D conversion</td>
<td>24-bit with 128x oversampling</td>
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<tr>
<td>D/A conversion</td>
<td>24-bit with 128x oversampling</td>
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<tr>
<td>Signal processing</td>
<td>32-bit</td>
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<td>Frequency characteristics</td>
<td>20-20 kHz +1 dB, -3 dB (10 kΩ load)</td>
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<td>Display</td>
<td>128×32 dot-matrix LCDs (4) 256×32 dot-matrix LCD</td>
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<td>Input INPUT</td>
<td>Standard monaural phone jack</td>
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<td>Rated input level: -20 dBu</td>
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<td>Input impedance(line) : 470 kΩ</td>
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<tr>
<td>AUX IN</td>
<td>Stereo mini jack</td>
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<tr>
<td></td>
<td>Rated input level: -10 dBu</td>
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<tr>
<td></td>
<td>Input impedance(line) : 10 kΩ</td>
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<td>Output (L/R)</td>
<td>Standard monaural phone jack x 2</td>
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<tr>
<td></td>
<td>Maximum output level: Line +5 dBu (with output load impedance of 10 kΩ or more)</td>
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<tr>
<td>Phone</td>
<td>Stereo mini jack</td>
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<td>Maximum output level: 20 mW + 20 mW (into 32 Ω load)</td>
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<td>Equivalent input noise</td>
<td>-119 dBu</td>
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<td>Noise floor (residual noise)</td>
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<td>Control input</td>
<td>For FP01/FP02</td>
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<td>Power</td>
<td>AC adapter DC9V (center minus plug), 500 mA (ZOOM AD-16)</td>
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<td>Dimensions</td>
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<td>USB</td>
<td>USB Audio</td>
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<td>Weight</td>
<td>3.4 kg</td>
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<td>Options</td>
<td>FP01/FP02 expression pedal</td>
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- 0 dBu=0.775 V