



# Multi-Effects Processor

# G5n

## OPERATION MANUAL

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.



### Contents

Usage and safety precautions.....	2	Using the tuner .....	33
Introduction .....	3	Using rhythms.....	39
Terms used in this manual .....	3	Using the looper.....	41
Part names .....	4	Using the pedal .....	45
Turning the power on .....	6	Setting the tempo .....	46
Display information .....	7	Using as an audio interface .....	47
Adjusting effects.....	9	Adjusting the pedal .....	48
Using the output booster .....	17	Restoring default settings and patches ...	49
Adjusting the master level .....	17	Updating the firmware .....	50
Using patches .....	18	Troubleshooting .....	53
Changing USB audio settings .....	24	Rhythm List .....	54
Changing various settings .....	27	Specifications .....	55



# 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:



	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


	<b>Warning</b>
---	----------------

### 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.

	<b>Precautions</b>
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### 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 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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# Introduction

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## 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

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## 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.

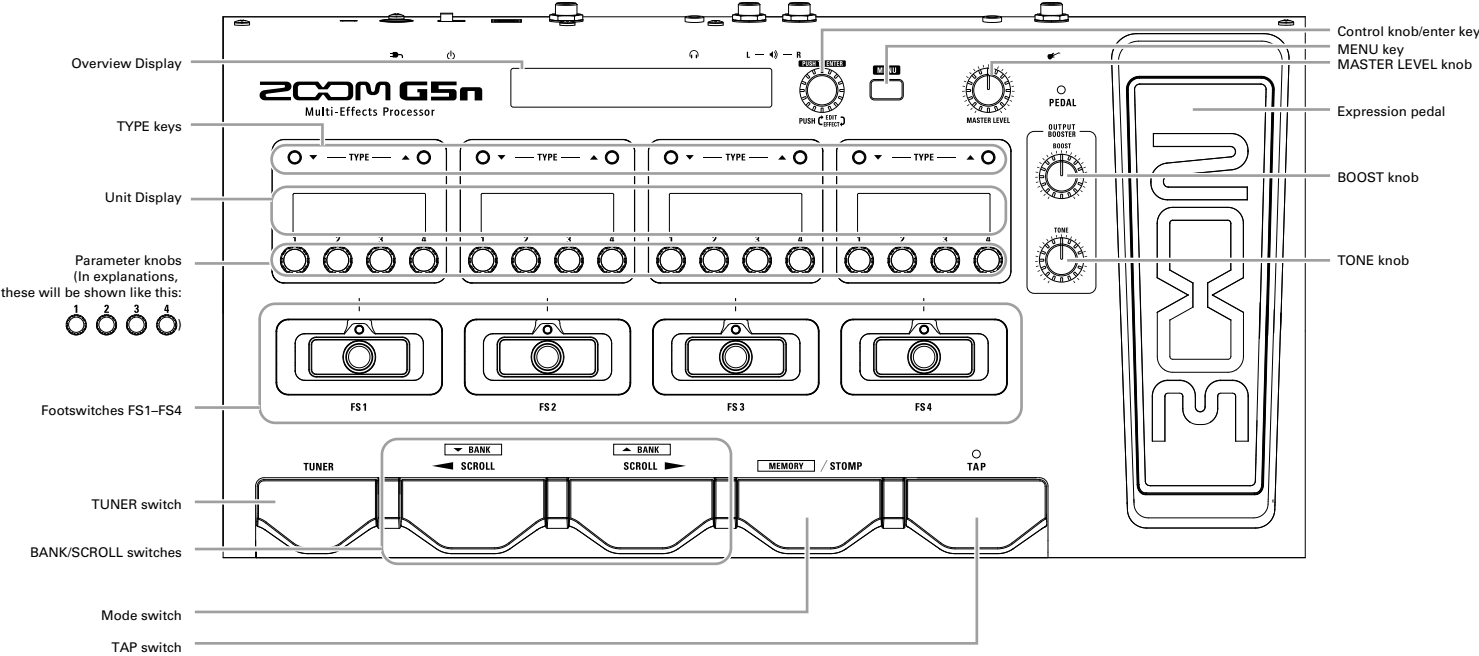
## Large effect

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

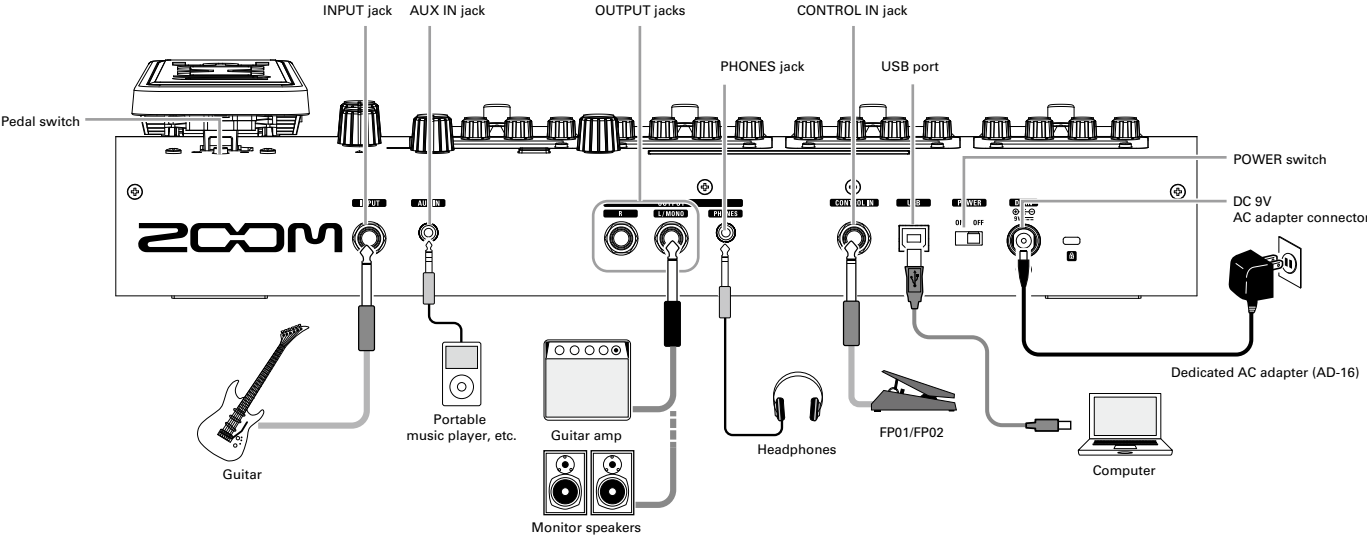
\* A printed list of effect parameters is not included with the **G5n**.  
Please download a copy from the ZOOM website. → <http://www.zoom.co.jp/>

# Part names

## Front panel



## Rear panel



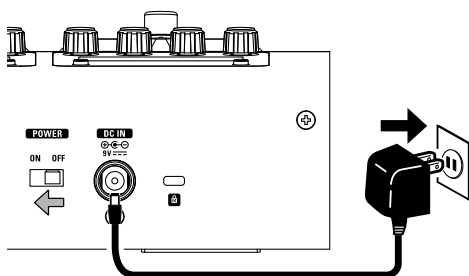
# Turning the power on

## 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 **GSn** starts up in the mode used when the POWER switch was last turned OFF.

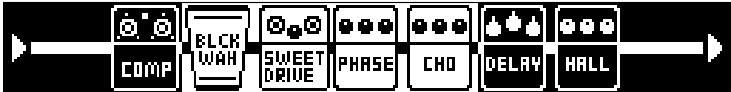
## Using the eco setting

When eco mode is ON, the **GSn** 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



#### Large effect



### Switching unit display contents

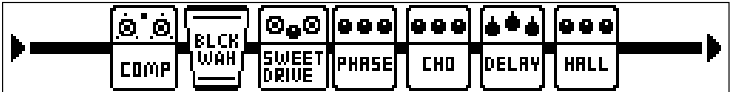
Press  to switch between showing parameters and effect names.



Display information

Display in MEMORY mode


■ Overview Display



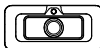
■ Unit Display



# Adjusting effects



Press  to change to STOMP mode.

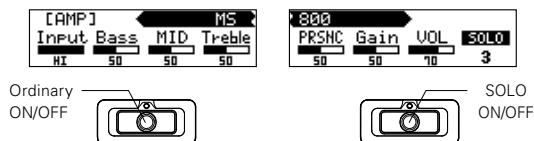
## Turning effects ON/OFF

- Press  .
- This turns that effect ON/OFF.





### NOTE

 has special functions for some effect types. The parameter function assigned to  is shown on the Unit Display with white letters on a dark background.



## Selecting effect types

- Press  TYPE .
- This changes the effect type.



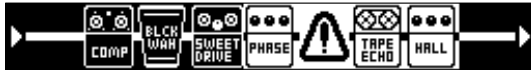


# Adjusting effects

## NOTE

The **GSn** 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

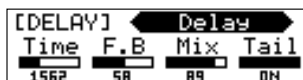
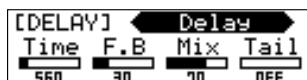
While pressing and holding **TYPE ▼**, press **TYPE ▲** to change effect categories in reverse order.



## Adjusting effects

### Adjusting parameters

- Turn    and .







#### HINT

Parameter adjustments are saved automatically.

#### NOTE

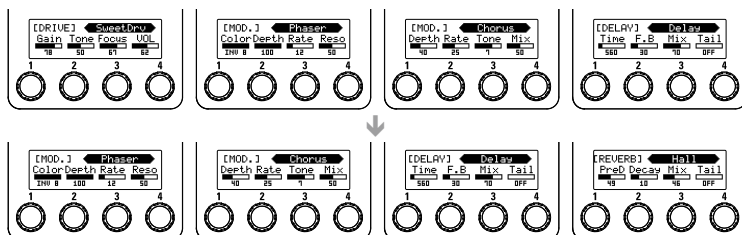
Set Time, Rate and other effect parameters to musical notes to sync them to the tempo.

### Scrolling effect displays

- Press   or  .



- Press repeatedly to scroll the effect displays.



#### Note about effect displays

You can check the effects the **GSn** is using at a glance on the Overview Display. The effects currently shown on the Unit Displays have white backgrounds.




Adjusting effects

Adding effects

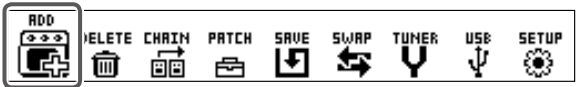
- Confirm that the Overview Display shows the Home Screen.



- Press  to open the MENU screen.




- Turn  to select ADD.




NOTE

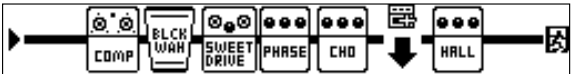
If 9 effects are already in use, ADD will not be shown.




- Press  to open the ADD screen.



- Turn  to select where the effect will be added.



- Press  to confirm where the effect is added.



## Adjusting effects

- A shield will be added to the Unit Display.

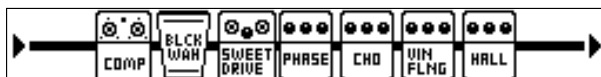


- Press **○▼ TYPE ▲○** to select the effect type.

### Unit Display

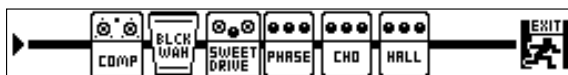


### Overview Display



## ■ Completing the addition of effects

- Turn  to select EXIT.



- Press .

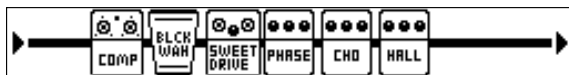


- The Home Screen reopens.



### Deleting effects

- Confirm that the Overview Display shows the Home Screen.



- Press to open the MENU screen.

- Turn to select DELETE.



- Press to open the DELETE screen.



- Turn to select the effect to delete.



- Press .



- Press to delete the effect.



# Adjusting effects

## HINT

Turn  to cancel deletion.

- Turn  to select EXIT.



- Press .


- The Home Screen reopens.




## Changing the effect order


- Confirm that the Overview Display shows the Home Screen.



- Press  to open the MENU screen.


- Turn  to select CHAIN.




- Press  to open the CHAIN screen.




## Adjusting effects

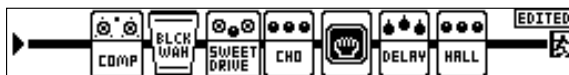
- Turn  to select the effect to swap.




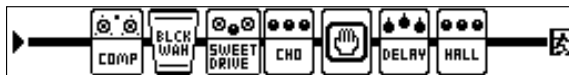
- Press  to confirm the effect to swap.



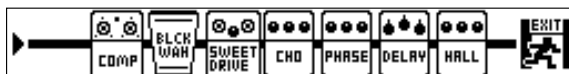
- Turn  to swap with the next effect in the chain.



- Press  to end selection of the effect.



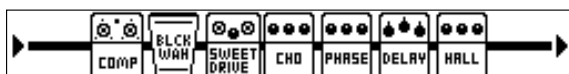
- Turn  to select EXIT.



- Press .



- The Home Screen reopens.



# Using the output booster

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

## Setting the boost level

- Turn  .

### NOTE

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

## Adjusting the audio quality

- Turn  .

### **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  .

### NOTE


- The setting range is  $-\infty \sim +6\text{dB}$ .
- When the knob is centered the setting is 0 dB.



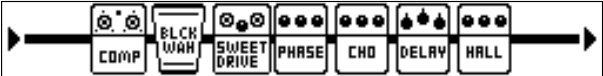
# Using patches

## Selecting patches

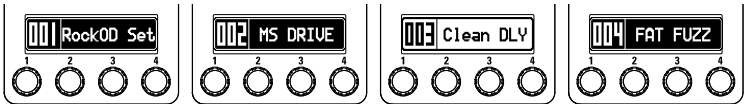
### Switching patches

- Press .
- Switch to MEMORY mode.

#### Overview Display





#### Unit Display

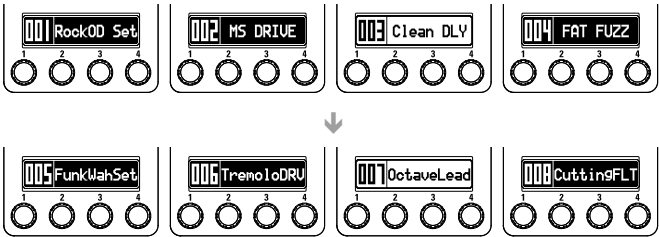


#### NOTE



The selected patch has a white background.

### Switching banks

- In MEMORY mode, press  , .
- This changes the bank.



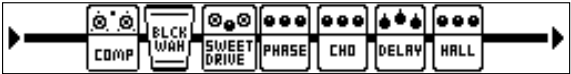
#### NOTE


- 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 **MENU**  to open the MENU screen.



- Turn  to select PATCH.



- Press  to open the PATCH screen.




■ Adjusting patch levels

- Turn  to select LEVEL.



- Press .



- Turn  to set the patch level.


# Using patches



## NOTE


The setting range is 0–120.




- Press  to confirm the patch level.




## ■ Changing patch names

- Turn  to select the character to change.




- Press  to confirm the character to change.



- Turn  to change the character.




- Press  to confirm the changed character.




# Using patches

## NOTE

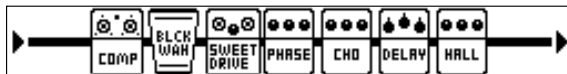
- The characters and symbols that can be used are as follows.  
! # \$ % & ' ( ) + , - . ; = @ [ ] ^ \_ ` { } ~ , (space) A-Z, a-z, 0-9
- Press and hold  to change the character type.

## 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.



- Press  to confirm where the patch will be saved.



- Turn  to select YES.



## HINT

Select NO to cancel saving the patch.

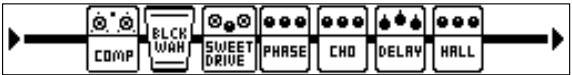



- Press  to save the patch.



## 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.



## HINT

Select NO to cancel swapping.



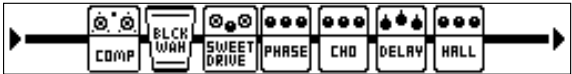
- Press  to swap the patches.



# Changing USB audio settings

## Opening the USB AUDIO screen

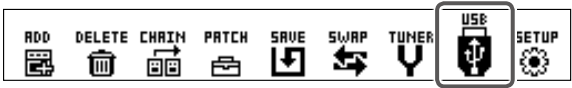
- Confirm that the Overview Display shows the Home Screen.




- Press **MENU** to open the MENU screen.



- Turn  to select USB.



- Press  to open the USB AUDIO screen.



# Changing USB audio settings


## Adjusting the USB audio monitoring balance

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



- Press .




- Turn  to adjust the monitoring balance.



### NOTE

- This adjusts the balance between the DAW software (computer) output and the direct monitoring signals.
- The setting range is 0–100.
- 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.




- Press  to confirm the monitoring balance.





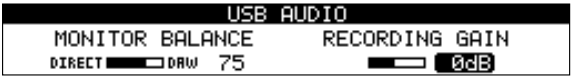
# Changing USB audio settings


## Adjusting the recording level

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



- Press .




- Turn  to adjust the recording level.

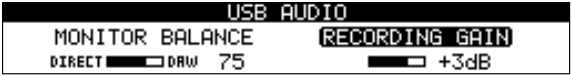


### NOTE

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



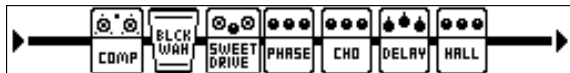
- Press  to confirm the recording level.



# Changing various settings


## Opening the SETUP screen

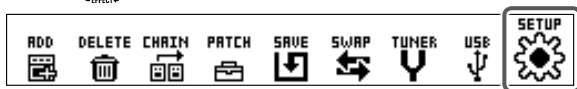
- Confirm that the Overview Display shows the Home Screen.




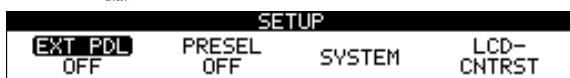
- Press **MENU** to open the MENU screen.



- Turn  to select SETUP.




- Press  to open the SETUP screen.

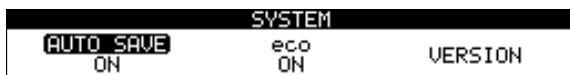


## Setting the auto save function

- On the SETUP screen, turn  to select SYSTEM.

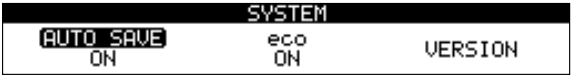



- Press  to open the SYSTEM screen.

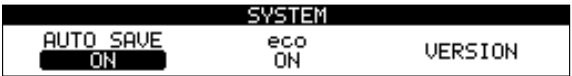


# Changing various settings

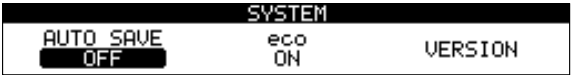
- On the SYSTEM screen, turn  to select AUTO SAVE.



- Press .




- Turn  to set AUTO SAVE to ON/OFF.



## NOTE

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



- Press  to confirm the auto save setting.



## 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)

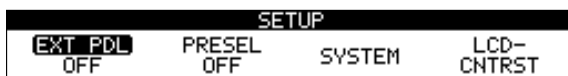
To discard changes to parameters before switching patches, select NO.

## Changing various settings

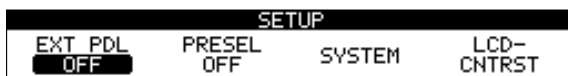
### Setting up an external pedal


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

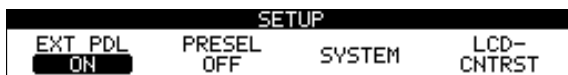
- On the SETUP screen, turn  to select EXT PDL.




- Press .



- Turn  to switch the external pedal ON/OFF.







- Press  to confirm the external pedal setting.

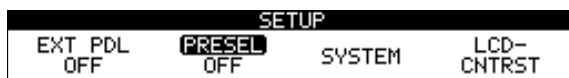



## Changing various settings

### Setting the preselect function


With this setting, pressing   to change the bank only changes what is shown on the display until you press  to confirm the patch change.

- On the SETUP screen, turn  to select PRESEL.




- Press .



- Turn  to set PRESEL to ON/OFF.



- Press  to confirm the preselect setting.




## Changing various settings

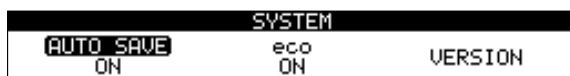
### Setting the eco mode


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

- On the SETUP screen, turn  to select SYSTEM.



- Press  to open the SYSTEM screen.




- On the SETUP screen, turn  to select eco.




- Press .




- Turn  to set eco to ON/OFF.




- Press  to confirm the eco mode setting.




## Adjusting the display contrast

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




- Press  to open the LCD CONTRAST screen.




- Turn  to select a display to adjust its contrast.



- Press  to confirm the display.




- Turn  to adjust the contrast.



### NOTE

The setting range is 1–13.

- Press  to confirm the contrast setting.




# Using the tuner

## Activating the tuner

- Confirm that the Overview Display shows the Home Screen.




- Press .



- This enables the tuner.



### NOTE

Whenever the Overview Display shows any other screen, press  to reopen the Home Screen.

## Tuning a guitar

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

### Chromatic tuner

The name of the nearest note and the pitch accuracy are shown.



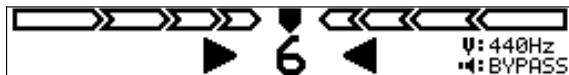
←Flat

Correct pitch

Sharp→

### Other tuners

The number of the nearest string and the pitch accuracy are shown.



←Flat


Correct pitch

Sharp→



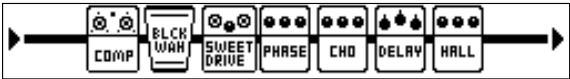
Using the tuner

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

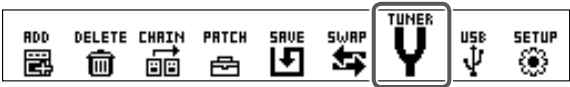
- Confirm that the Overview Display shows the TUNER screen or Home Screen.




- ▼
- Press  to open the TUNER MENU screen.



- ▼
- On the SETUP screen, turn  to select TUNER.




# Using the tuner

- Press  to open the TUNER MENU screen.

TUNER			
OUTPUT	CALIBRATION	TYPE	FLAT
BYPASS	440Hz	GUITAR	b×0

## ■ Changing the tuner mode

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


TUNER			
OUTPUT	CALIBRATION	TYPE	FLAT
BYPASS	440Hz	GUITAR	b×0



- Press .

TUNER			
OUTPUT	CALIBRATION	TYPE	FLAT
BYPASS	440Hz	GUITAR	b×0



- Turn  to set it to BYPASS, MUTE or EFFECT.

TUNER			
OUTPUT	CALIBRATION	TYPE	FLAT
MUTE	440Hz	GUITAR	b×0

### **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  to confirm the tuner mode.

TUNER			
OUTPUT	CALIBRATION	TYPE	FLAT
MUTE	440Hz	GUITAR	b×0

# Using the tuner

## ■ Changing the standard pitch of the tuner

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


TUNER			
OUTPUT	CALIBRATION	TYPE	FLAT
BYPASS	440Hz	GUITAR	b×0



- Press .

TUNER			
OUTPUT	CALIBRATION	TYPE	FLAT
BYPASS	440Hz	GUITAR	b×0




- Turn  to change the standard pitch.

TUNER			
OUTPUT	CALIBRATION	TYPE	FLAT
BYPASS	445Hz	GUITAR	b×0

### NOTE

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




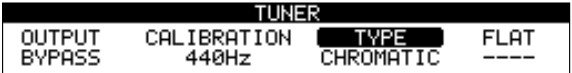
- Press  to confirm the standard pitch of the tuner.


TUNER			
OUTPUT	CALIBRATION	TYPE	FLAT
BYPASS	445Hz	GUITAR	b×0

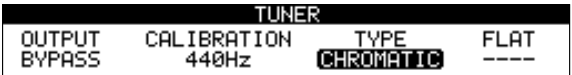
# Using the tuner


## ■ Changing the tuner type

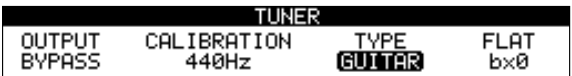
- On the TUNER MENU screen, turn  to select TYPE.



- ▼
- Press .



- ▼
- Turn  to select the tuner type.




### CHROMATIC

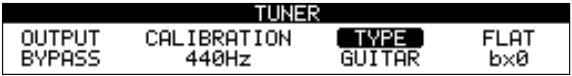
The chromatic tuner shows the nearest pitch name (semitone) and how far the input sound is from that pitch.

### Other tuner types

Depending on the selected type, the nearest string name and how far the sound input is from that pitch are shown. The following tuner types can be selected.


Display	Meaning	String number/Note name						
		7	6	5	4	3	2	1
GUITAR	Standard tuning for guitars, including 7-string guitars	B	E	A	D	G	B	E
OPEN A	In open A tuning, the open strings make an A chord	-	E	A	E	A	C#	E
OPEN D	In open D tuning, the open strings make a D chord	-	D	A	D	F#	A	D
OPEN E	In open E tuning, the open strings make an E chord	-	E	B	E	G#	B	E
OPEN G	In open G tuning, the open strings make a G chord	-	D	G	D	G	B	D
DADGAD	This alternate tuning is often used for tapping, etc.	-	D	A	D	G	A	D

- ▼
- Press  to confirm the tuner type.



# Using the tuner

## ■ Using flat tuning

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


TUNER			
OUTPUT BYPASS	CALIBRATION 440Hz	TYPE GUITAR	FLAT b×0



- Press .

TUNER			
OUTPUT BYPASS	CALIBRATION 440Hz	TYPE GUITAR	FLAT b×0




- Turn  to change the flat tuning.

TUNER			
OUTPUT BYPASS	CALIBRATION 440Hz	TYPE GUITAR	FLAT b×1

### NOTE

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




- Press  to confirm the flat tuning setting.

TUNER			
OUTPUT BYPASS	CALIBRATION 440Hz	TYPE GUITAR	FLAT b×1

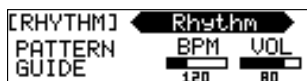
# Using rhythms

## Selecting a rhythm


- Press  to change to STOMP mode.



- Press  to select a rhythm.

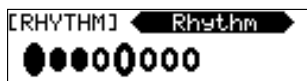


## Playing a rhythm

- Press  for the unit using the rhythm effect.



- The rhythm starts playing.



### HINT

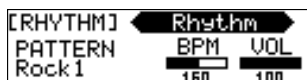
- During rhythm playback, you can switch between STOMP and MEMORY modes.
- If you change a patch during rhythm playback, the rhythm will stop.

## 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.



#### NOTE

See P.54 for information about the patterns.

#### ■ Adjusting the rhythm tempo


- Turn  for the unit using the rhythm.



#### 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.




#### NOTE

The setting range is 0–100.

# Using the looper

## Selecting the looper

- Press  to change to STOMP mode.



- Press  to select the looper.

### Mono looper



### Stereo looper




### NOTE

The looper has two types: mono and stereo.

## Recording and playing phrases

### ■ Recording phrases

- Press  for the unit using the looper effect.




- This starts recording.



- Recording stops and loop playback starts.

### **If the recording time is set to "MANUAL"**

Loop playback will start when you press  again or when the maximum recording time is reached.



## Using the looper

### If the recording time is set to a musical note

Loop playback will start when the set recording time is reached.



#### HINT

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.

## Overdubbing a recorded phrase

- During loop playback, press  for the unit using the looper effect.



## Stopping loop playback

- During loop playback, press  twice for the unit using the looper effect.

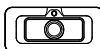


- This stops the playback.



## Using the looper

### ■ Deleting phrases

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




- This deletes the phrase.



## Setting the looper

### ■ Setting the looper recording time

- Turn  for the unit using the looper effect.




#### 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.

## Using the looper

### ■ Setting the UNDO function

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





#### NOTE


When UNDO is ON, the recording time will become as follows.

- Mono looper: 40 seconds
- Stereo looper: 20 seconds

#### HINT

When UNDO is enabled, you can press  for 1 second during playback to undo the last overdub. By pressing  for 1 second again, you can restore (REDO) the recording that was just undone.

### ■ Setting how loop playback stops

- Turn  for the unit using the looper effect.



#### 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 effect.




#### NOTE

The setting range is 0-100.

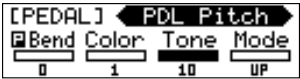
# Using the pedal

## Selecting the pedal effect





- Press  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.

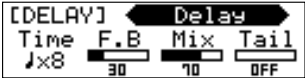
### NOTE


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

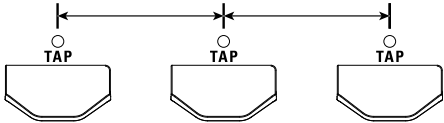
# Setting the tempo

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  at least twice at the desired tempo.



- This sets the tempo.



## HINT

You can turn  to further adjust the tempo while the tempo pop-up is open.

# 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 1.8GHz or faster, RAM 1GB or more

64-bit: Intel® Pentium® DualCore 2.7GHz or faster, RAM 2GB or more

### Mac

OS X 10.9/10.10/10.11

Intel® CoreDuo 1.83GHz or faster

RAM 1GB or more

## ■ Quantization (bit-rate)

16-bit

## ■ Sampling frequency

44.1kHz

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.

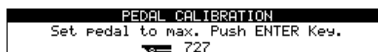
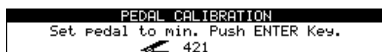
# Adjusting the pedal

## 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

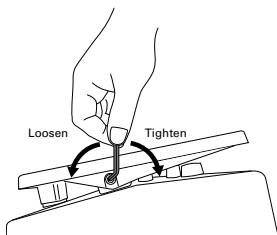
Calibrate in the following cases.

- 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

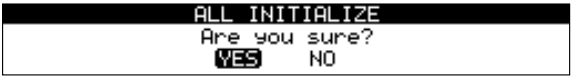
Be careful when loosening a torque adjustment screw, because if you loosen it too much, it could come off inside the unit, making it impossible to hold the pedal in place.

# Restoring default settings and patches

- While pressing , set the POWER switch to ON.



- Turn  to select YES.



## HINT

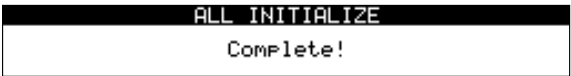
Select NO to cancel initialization.



- Press  to initialize.



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



## HINT

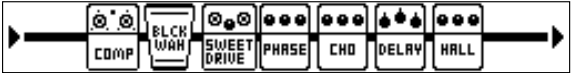
Executing the All Initialize function will restore all the settings of the **GSn**, including its patches, to factory defaults. Do not use this function unless you are certain that you want to do this.




# Updating the firmware

## Checking the firmware version

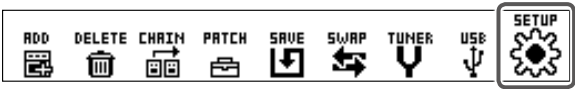
- Confirm that the Overview Display shows the Home Screen.




- Press  to open the MENU screen.




- Turn  to select SETUP.




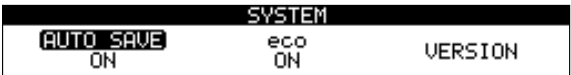
- Press  to open the SETUP screen.



- Turn  to select SYSTEM.




- Press  to open the SYSTEM screen.




## Updating the firmware

---

- Turn  to select VERSION.

SYSTEM			
AUTO SAVE	eco	VERSION	
ON	ON		



- Press  and check the version.

VERSION			
SYSTEM	PRESET	BOOT	SUBMCU
1.00	1.00	1.00	1.00

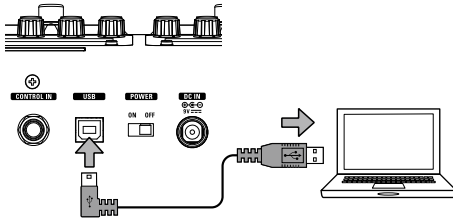
## Updating the firmware



### 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  and , set the POWER switch to ON.

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

**FIRMWARE UPDATE**  
Ready for  
firmware update!



**FIRMWARE UPDATE**  
Now Writing...  
Keep Connect To PC

#### 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**  
Complete!  
Please Restart

#### 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 (→P45).
- Adjust the pedal (→P48).

## The recorded level in a DAW is low

---

- Check the recording level setting (→P26).

# Rhythm List

---

No.	PatternName	TimSig
1	GUIDE	4/4
2	8Beats1	4/4
3	8Beats2	4/4
4	8Beats3	4/4
5	16Beats1	4/4
6	16Beats2	4/4
7	16Beats3	4/4
8	Rock1	4/4
9	Rock2	4/4
10	Rock3	4/4
11	ROCKABLY	4/4
12	R'n'R	4/4
13	HardRock	4/4
14	HeavyMtl	4/4
15	MtlCore	4/4
16	Punk	4/4
17	FastPunk	4/4
18	Emo	4/4
19	TomTomBt	4/4
20	Funk1	4/4
21	Funk2	4/4
22	FunkRock	4/4
23	JazzFunk	4/4

No.	PatternName	TimSig
24	R&B1	4/4
25	R&B2	4/4
26	70s Soul	4/4
27	90s Soul	4/4
28	Motown	4/4
29	HipHop	4/4
30	Disco	4/4
31	Pop	4/4
32	PopRock	4/4
33	IndiePop	4/4
34	EuroPop	4/4
35	NewWave	4/4
36	OneDrop	4/4
37	Steppers	4/4
38	Rockers	4/4
39	Ska	4/4
40	2nd Line	4/4
41	Country	4/4
42	Shuffle1	4/4
43	Shuffle2	4/4
44	Blues1	4/4
45	Blues2	4/4
46	Jazz1	4/4

No.	PatternName	TimSig
47	Jazz2	4/4
48	Fusion	4/4
49	Swing1	4/4
50	Swing2	4/4
51	Bossa1	4/4
52	Bossa2	4/4
53	Samba1	4/4
54	Samba2	4/4
55	Breaks1	4/4
56	Breaks2	4/4
57	Breaks3	4/4
58	12/8 Grv	12/8
59	Waltz	3/4
60	JzWaltz1	3/4
61	JzWaltz2	3/4
62	CtWaltz1	3/4
63	CtWaltz2	3/4
64	5/4 Grv	5/4
65	Metro3	3/4
66	Metro4	4/4
67	Metro5	5/4
68	Metro	

# Specifications

<b>Effect types</b>	80 types
<b>Number of simultaneous effects</b>	9
<b>Number of user patches</b>	200
<b>Sampling frequency</b>	44.1kHz
<b>A/D conversion</b>	24-bit with 128x oversampling
<b>D/A conversion</b>	24-bit with 128x oversampling
<b>Signal processing</b>	32-bit
<b>Frequency characteristics</b>	20-20kHz +1dB, -3 dB (10 kΩ load)
<b>Display</b>	128x32 dot-matrix LCDs (4) 256x32 dot-matrix LCD
<b>Input INPUT</b>	Standard monaural phone jack Rated input level: -20dBu Input impedance(line) : 470kΩ
<b>AUX IN</b>	Stereo mini jack Rated input level: -10dBu Input impedance(line) : 10kΩ
<b>Output (L/R)</b>	Standard monaural phone jack x 2 Maximum output level: Line +5dBu (with output load impedance of 10 kΩ or more)
<b>Phone</b>	Stereo mini jack Maximum output level: 20 mW + 20 mW (into 32 Ω load)
<b>Equivalent input noise</b>	-119dBu
<b>Noise floor (residual noise)</b>	-101dBu
<b>Control input</b>	For FP01/FP02
<b>Power</b>	AC adapter DC9V (center minus plug), 500 mA (ZOOM AD-16)
<b>Dimensions</b>	225mm(D) X 454mm(W) X 75mm(H)
<b>USB</b>	USB Audio
<b>Weight</b>	3.4kg
<b>Options</b>	FP01/FP02 expression pedal

• 0dBu=0.775Vrms

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

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 to 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

# **ZOOM**

**ZOOM CORPORATION**

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