ZOOM

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

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** | Something that could cause serious injury or death. |
| ⚠ **Caution** | 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 long period of time.

Usage Precautions

Interference with other electrical equipment

In consideration of safety, the **G5n** 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 **G5n** and the other device farther apart. With any type of electronic device that uses digital control, including the **G5n**, 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

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

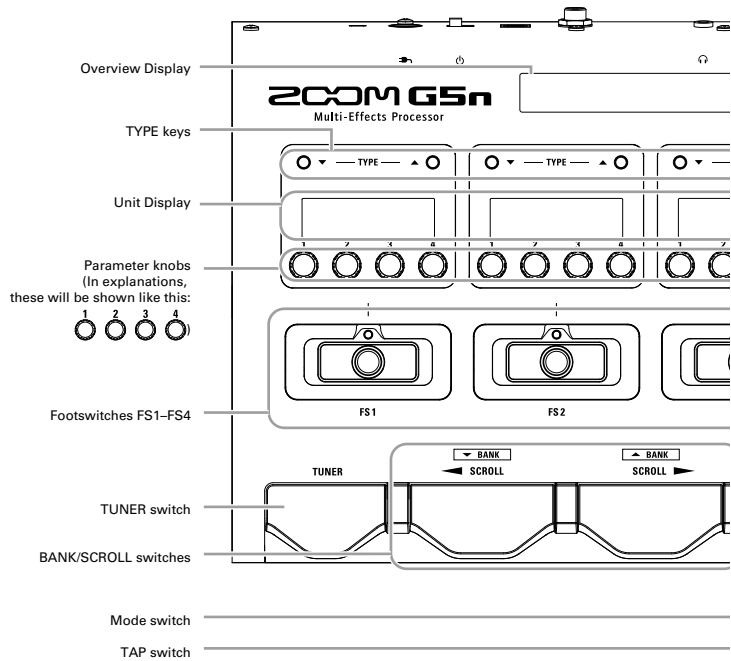Each "Unit" combines a Unit Display, 4 parameter knobs and a foot switch.

Large effect

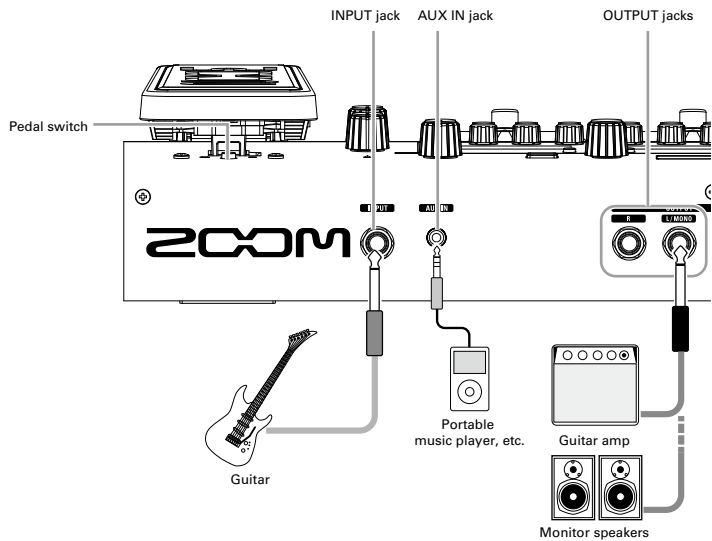An effect that uses multiple units is called a "large effect".

> *** 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

ZOOM G5n
Multi-Effects Processor

TYPE keys

Unit Display

Parameter knobs
(In explanations,
these will be shown like this:
1 2 3 4)

Footswitches FS1–FS4

FS 1   FS 2

TUNER

▼ BANK   ▲ BANK
◄ SCROLL   SCROLL ►

TUNER switch

BANK/SCROLL switches

Mode switch

TAP switch

Rear panel

INPUT jack   AUX IN jack   OUTPUT jacks

Pedal switch

ZOOM

INPUT   AUX IN   L/MONO

Portable
music player, etc.   Guitar amp

Guitar

Monitor speakers

4

Part names

Control knob/enter key
MENU key
MASTER LEVEL knob

Expression pedal

BOOST knob

TONE knob

CONTROL IN jack

PHONES jack   USB port

POWER switch

DC 9V
AC adapter connector

Dedicated AC adapter (AD-16)

FP01/FP02

Headphones

Computer
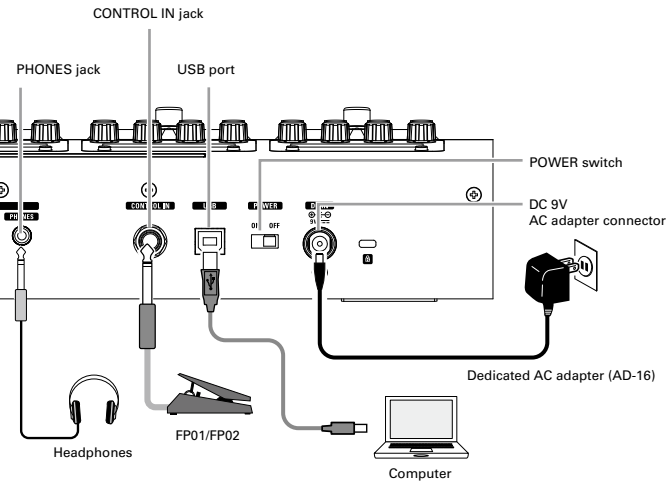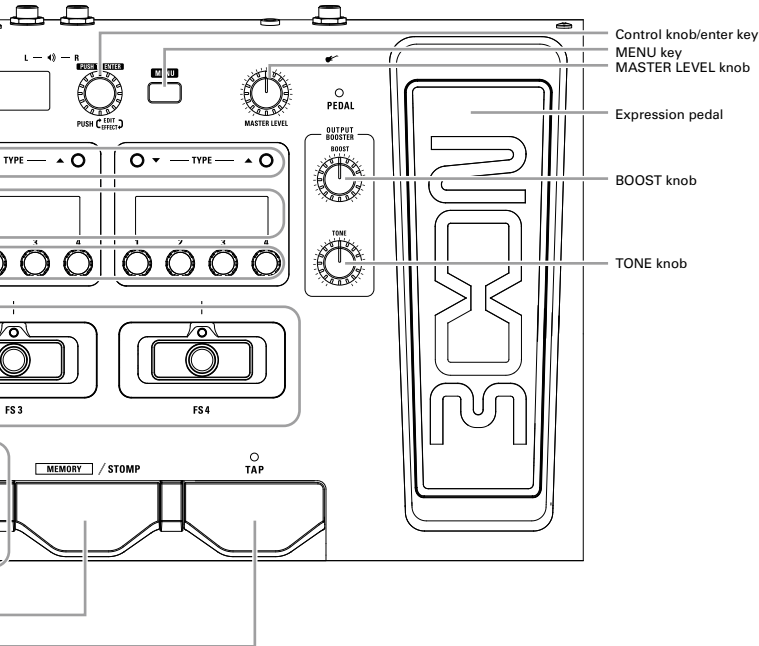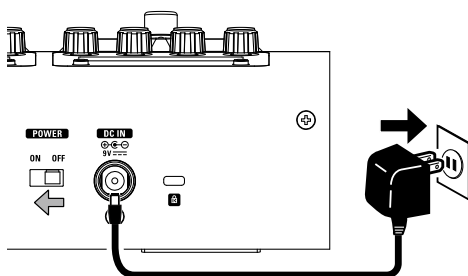
Turning the power on

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

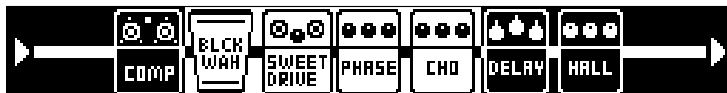 The **G5n** starts up in the mode used when the POWER switch was last turned OFF.

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
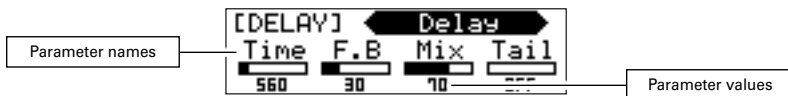
Display in STOMP mode

■ 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

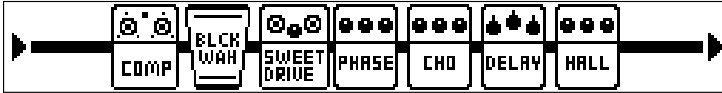Parameter names

Parameter values

Switching unit display contents

Press to switch between showing parameters and effect names.

Display in MEMORY mode

■ Overview Display

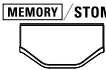### ■ Unit Display

Patch number

RockOD Set

Patch name

Adjusting effects

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

Turning effects ON/OFF
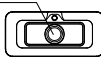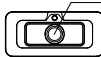
- Press .

- This turns that effect ON/OFF.

[OFF]   [ON]

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.

[AMP]   MS
Input Bass MID Treble
 HI   50   50   50

800
PRSNC Gain VOL SOLO
 50   50   70   3

Ordinary ON/OFF

SOLO ON/OFF

Selecting effect types

- Press O▼ **TYPE** ▲O.

- This changes the effect type.

[DELAY]   Delay
Time F.B Mix Tail
 560 30   70   OFF

[DELAY]   TapeEcho
Time F.B Mix Tail
 560 64   56   OFF

NOTE

The **G5n** 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] ◄ Delay ►	[DELAY] ◄ Delay ►
Time F.B Mix Tail	Time F.B Mix Tail
560 30 70 OFF	1562 58 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 ▼ BANK / SCROLL ◄ , ▲ BANK / SCROLL ► .

• Press repeatedly to scroll the effect displays.

[DRIVE] SweetDrv	[MOD.] Phaser	[MOD.] Chorus	[DELAY] Delay
Gain Tone Focus VOL	ColorDepth Rate Reso	Depth Rate Tone Mix	Time F.B Mix Tail
78 50 67 62	INV 0 100 12 50	40 25 7 50	560 30 70 OFF

[MOD.] Phaser	[MOD.] Chorus	[DELAY] Delay	[REVERB] Hall
ColorDepth Rate Reso	Depth Rate Tone Mix	Time F.B Mix Tail	PreD Decay Mix Tail
INV 0 100 12 50	40 25 7 50	560 30 70 OFF	45 10 46 OFF
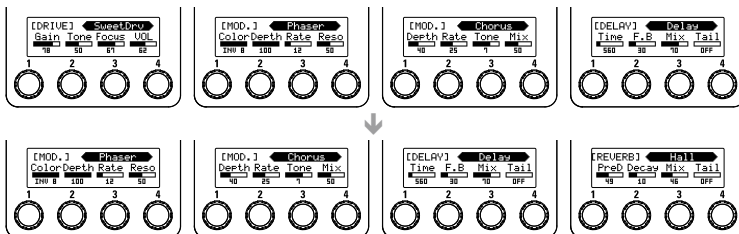
Note about effect displays

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.

11
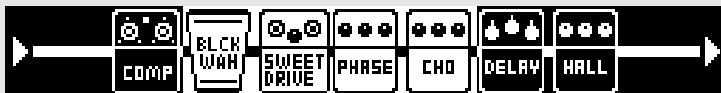
Adding effects

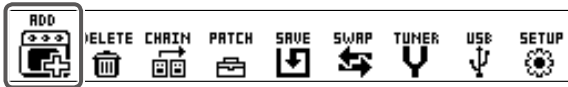- Confirm that the Overview Display shows the Home Screen.

- Press MENU 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.

- A shield will be added to the Unit Display.

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

Unit Display

[MOD.] ◀ VinFLNGR ▶
PreD Depth Rate Reso
 4   47   7   8
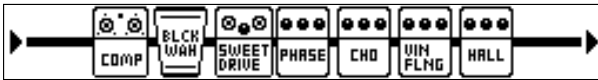
Overview Display

■ Completing the addition of effects

- Turn ⊙ to select EXIT.
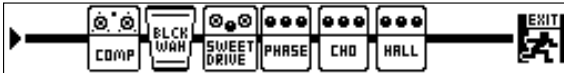
- Press ⊙ .

- The Home Screen reopens.

Deleting effects

• Confirm that the Overview Display shows the Home Screen.
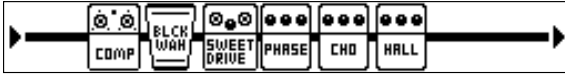
• Press ▢ to open the MENU screen.

• Turn ⊙ to select DELETE.

• Press ⊙ to open the DELETE screen.

• Turn ⊙ to select the effect to delete.

• Press ⊙.

• Press ⊙ to delete the effect.

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.

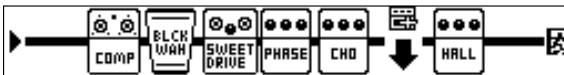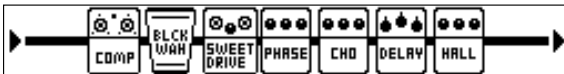
- Press to open the MENU screen.

- Turn to select CHAIN.

- Press to open the CHAIN screen.

- Turn to select the effect to swap.

- Press to confirm the effect to swap.

- Turn to swap with the next effect in the chain.
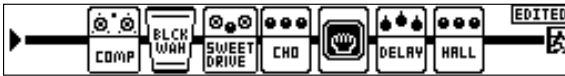
- Press to end selection of the effect.
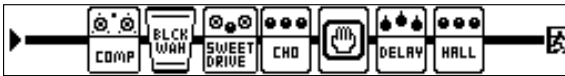
- Turn to select EXIT.
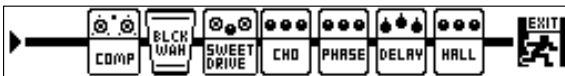
- Press .

- The Home Screen reopens.
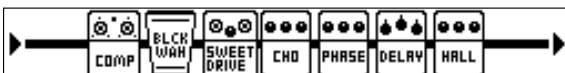
Using the output booster

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 -∞~+6dB.
> • When the knob is centered the setting is 0 dB.

Using patches

Selecting patches

■ Switching patches

- Press MEMORY/STOMP .

- Switch to MEMORY mode.

Overview Display
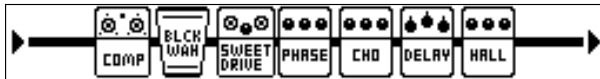
Unit Display
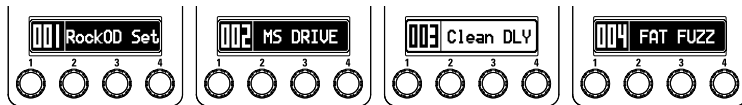
NOTE

The selected patch has a white background.

■ Switching banks

- In MEMORY mode, press ▼ BANK SCROLL◄ , ▲ BANK SCROLL► .

- This changes the bank.
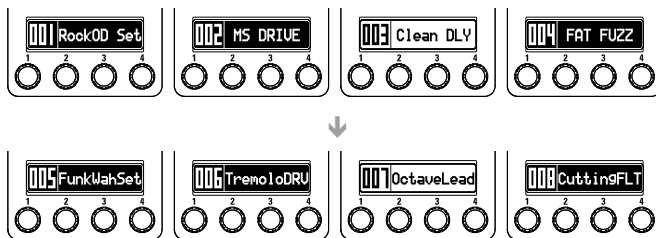
NOTE

- Press and hold ▼ BANK SCROLL◄ , ▲ BANK SCROLL► 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.
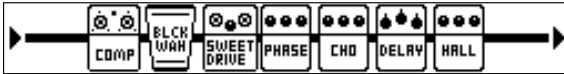
- Press ⬜ **MENU** to open the MENU screen.

- Turn 🔘 **PUSH TO ENTER / PUSH EDIT EFFECT** to select PATCH.

- Press 🔘 **PUSH TO ENTER / PUSH EDIT EFFECT** to open the PATCH screen.

PATCH SETTINGS
LEVEL 100 RockOD Set

■ **Adjusting patch levels**

- Turn 🔘 **PUSH TO ENTER / PUSH EDIT EFFECT** to select LEVEL.

PATCH SETTINGS
LEVEL 100 RockOD Set

- Press 🔘 **PUSH TO ENTER / PUSH EDIT EFFECT** .

PATCH SETTINGS
LEVEL 100 RockOD Set

- Turn 🔘 **PUSH TO ENTER / PUSH EDIT EFFECT** to set the patch level.

19

PATCH SETTINGS [EDITED]
LEVEL
115 RockOD Set

> **NOTE**
>
> The setting range is 0–120.

∨

- Press ⊙ to confirm the patch level.

PATCH SETTINGS [EDITED]
LEVEL
115 RockOD Set

■ Changing patch names

- Turn ⊙ to select the character to change.

PATCH SETTINGS [EDITED]
LEVEL
115 RockOD Set

∨

- Press ⊙ to confirm the character to change.

PATCH SETTINGS [EDITED]
LEVEL
115 RockOD Set
❯
PATCH SETTINGS [EDITED]
LEVEL
115 RockOD Set

∨

- Turn ⊙ to change the character.

PATCH SETTINGS [EDITED]
LEVEL
115 RockDD Set

∨

- Press ⊙ to confirm the changed character.

PATCH SETTINGS [EDITED]
LEVEL
115 RockDD Set

- 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 MENU to end patch setting mode.

∨

- The Home Screen reopens.
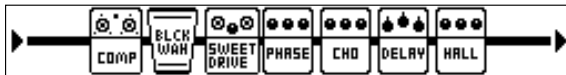
Saving patches

- Confirm that the Overview Display shows the Home Screen.

∨
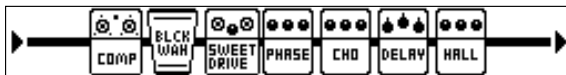
- Press MENU to open the MENU screen.

∨

- Turn to select SAVE.

∨

- Press to open the SAVE screen.

∨

• Turn ⟳ to select where the patch will be saved.

```
                          SAVE
     PATCH No.001                PATCH No.010
        RockOD Set       ➡        BluesRock
```

❯

• Press ⟳ to confirm where the patch will be saved.

```
                         SAVE?
     001:RockOD Set       ➡       010:BluesRock
                   YES            NO
```

❯

• Turn ⟳ to select YES.

```
                         SAVE?
     001:RockOD Set       ➡       010:BluesRock
                  YES             NO
```
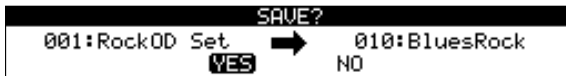
HINT

Select NO to cancel saving the patch.

❯

• Press ⟳ to save the patch.

```
                          SAVE
     001:RockOD Set       ➡       010:RockOD Set
                  Complete!
```

Swapping patches

• Confirm that the Overview Display shows the Home Screen.

❯

• Press ▢ to open the MENU screen.

❯

- Turn ⟳ to select SWAP.

ADD	DELETE	CHAIN	PATCH	SAVE	SWAP	TUNER	USB	SETUP

⌄
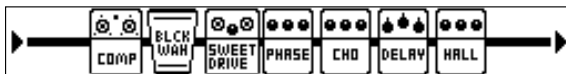
- Press ⟳ to open the SWAP screen.

```
                        SWAP
    PATCH No.001              PATCH No.002
      RockOD Set      ⬌         MS DRIVE
```

⌄

- Turn ⟳ to select the patch to be swapped.

```
                        SWAP
    PATCH No.001              PATCH No.010
      RockOD Set      ⬌         BluesRock
```

⌄

- Press ⟳ to confirm the patch to be swapped.

```
                        SWAP?
   001:RockOD Set      ⬌     010:BluesRock
              YES            NO
```

⌄

- Turn ⟳ to select YES.

```
                        SWAP?
   001:RockOD Set      ⬌     010:BluesRock
              YES            NO
```

HINT

Select NO to cancel swapping.

⌄

- Press ⟳ to swap the patches.

```
                        SWAP
   010:RockOD Set      ⬌     001:BluesRock
              Complete!
```

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 ⊚ **PUSH TO ENTER** / **PUSH EDIT EFFECT** to select MONITOR BALANCE.

```
             USB AUDIO
   MONITOR BALANCE     RECORDING GAIN
   DIRECT▭▭▭▭DAW 50          ▭▭▭▭  0dB
```

⌄

• Press ⊚ **PUSH TO ENTER** / **PUSH EDIT EFFECT** .

```
             USB AUDIO
   MONITOR BALANCE     RECORDING GAIN
   DIRECT▭▭▭▭DAW 50          ▭▭▭▭  0dB
```

⌄

• Turn ⊚ **PUSH TO ENTER** / **PUSH EDIT EFFECT** to adjust the monitoring balance.

```
             USB AUDIO
   MONITOR BALANCE     RECORDING GAIN
   DIRECT▭▭▭▭DAW 75          ▭▭▭▭  0dB
```

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 ⊚ **PUSH TO ENTER** / **PUSH EDIT EFFECT** to confirm the monitoring balance.

```
             USB AUDIO
   MONITOR BALANCE     RECORDING GAIN
   DIRECT▭▭▭▭DAW 75          ▭▭▭▭  0dB
```

Adjusting the recording level

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

```
                      USB AUDIO
      MONITOR BALANCE       RECORDING GAIN
      DIRECT        DAW  75            ▬▬▭      0dB
```

⌄

• Press .

```
                      USB AUDIO
      MONITOR BALANCE       RECORDING GAIN
      DIRECT        DAW  75            ▬▬▭  0dB
```

⌄
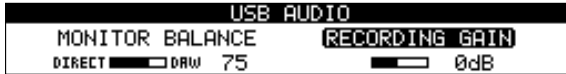
• Turn to adjust the recording level.

```
                      USB AUDIO
      MONITOR BALANCE       RECORDING GAIN
      DIRECT        DAW  75            ▬▬▭  +3dB
```

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.

```
                      USB AUDIO
      MONITOR BALANCE       RECORDING GAIN
      DIRECT        DAW  75            ▬▬▭  +3dB
```

Changing various settings

Opening the SETUP screen

• Confirm that the Overview Display shows the Home Screen.

⌄
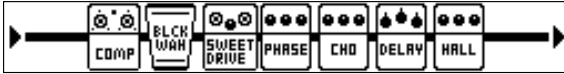
• Press **MENU** ☐ to open the MENU screen.

⌄

• Turn ⊙ to select SETUP.

⌄

• Press ⊙ to open the SETUP screen.
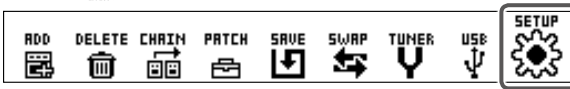
SETUP			
EXT PDL	PRESEL	SYSTEM	LCD-
OFF	OFF		CNTRST
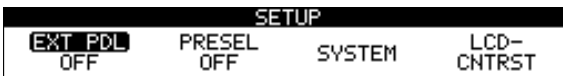
Setting the auto save function

• On the SETUP screen, turn ⊙ to select SYSTEM.

SETUP			
EXT PDL	PRESEL	SYSTEM	LCD-
OFF	OFF		CNTRST

⌄

• Press ⊙ to open the SYSTEM screen.

SYSTEM		
AUTO SAVE	eco	VERSION
ON	ON	

⌄

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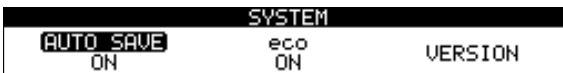
Changing various settings

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

```
                        SYSTEM
     AUTO SAVE           eco         VERSION
        ON                ON
```

⌄

• Press .

```
                        SYSTEM
     AUTO SAVE           eco         VERSION
        ON                ON
```

⌄
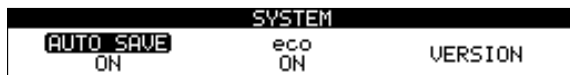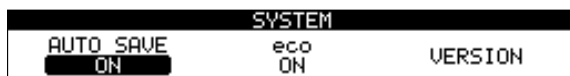
• Turn to set AUTO SAVE to ON/OFF.

```
                        SYSTEM
     AUTO SAVE           eco         VERSION
        OFF               ON
```
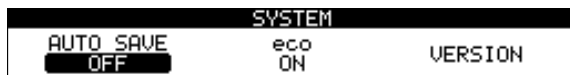
NOTE

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

⌄

• Press to confirm the auto save setting.

```
                        SYSTEM
     AUTO SAVE           eco         VERSION
        OFF               ON
```
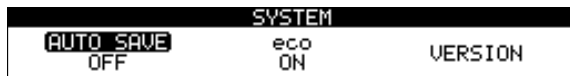
Note about switching patches

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 ⊙ to select EXT PDL.

```
                        SETUP
EXT PDL      PRESEL                 LCD-
  OFF          OFF      SYSTEM      CNTRST
```

⌄

• Press ⊙ .

```
                        SETUP
EXT PDL      PRESEL                 LCD-
  OFF          OFF      SYSTEM      CNTRST
```

⌄
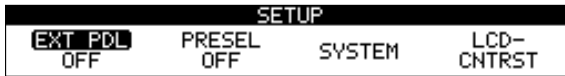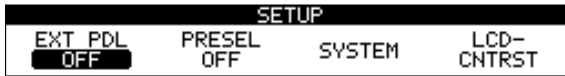
• Turn ⊙ to switch the external pedal ON/OFF.

```
                        SETUP
EXT PDL      PRESEL                 LCD-
  ON           OFF      SYSTEM      CNTRST
```

⌄

• Press ⊙ to confirm the external pedal setting.

```
                        SETUP
EXT PDL      PRESEL                 LCD-
  ON           OFF      SYSTEM      CNTRST
```
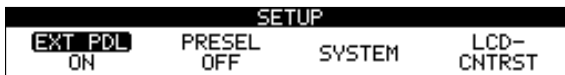
Setting the preselect function

With this setting, pressing [▼ BANK SCROLL ◄], [▲ BANK SCROLL ►] 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 (PUSH TO ENTER / PUSH EDIT EFFECT) to select PRESEL.

```
                 SETUP
  EXT PDL    PRESEL            LCD-
   OFF        OFF    SYSTEM   CNTRST
```

⌄

- Press (PUSH TO ENTER / PUSH EDIT EFFECT) .

```
                 SETUP
  EXT PDL    PRESEL            LCD-
   OFF        OFF    SYSTEM   CNTRST
```

⌄

- Turn (PUSH TO ENTER / PUSH EDIT EFFECT) to set PRESEL to ON/OFF.

```
                 SETUP
  EXT PDL    PRESEL            LCD-
   OFF         ON    SYSTEM   CNTRST
```

⌄

- Press (PUSH TO ENTER / PUSH EDIT EFFECT) to confirm the preselect setting.

```
                 SETUP
  EXT PDL    PRESEL            LCD-
   OFF         ON    SYSTEM   CNTRST
```

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.

```
                        SETUP
 EXT PDL      PRESEL              LCD-
   OFF          OFF      SYSTEM   CNTRST
```

⌄

- Press ⊙ to open the SYSTEM screen.

```
                       SYSTEM
   AUTO SAVE           eco
      ON                ON         VERSION
```

⌄

- On the SETUP screen, turn ⊙ to select eco.

```
                       SYSTEM
   AUTO SAVE           eco
      ON                ON         VERSION
```

⌄

- Press ⊙.

```
                       SYSTEM
   AUTO SAVE           eco
      ON                ON         VERSION
```

⌄

- Turn ⊙ to set eco to ON/OFF.

```
                       SYSTEM
   AUTO SAVE           eco
      ON                OFF        VERSION
```

⌄
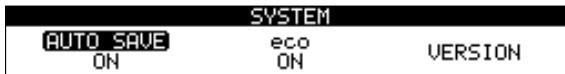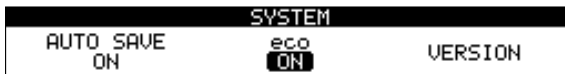
- Press ⊙ to confirm the eco mode setting.

```
                       SYSTEM
   AUTO SAVE           eco
      ON                OFF        VERSION
```

Adjusting the display contrast

• On the SETUP screen, turn ^{PUSH TO ENTER} 🎛️ _{PUSH C EDIT EFFECT} to select LCD CNTRST.

SETUP			
EXT PDL OFF	PRESEL OFF	SYSTEM	**LCD- CNTRST**

🔽

• Press 🎛️ to open the LCD CONTRAST screen.

LCD CONTRAST				
TOTAL 8	UNIT1 8	UNIT2 8	UNIT3 8	UNIT4 8

🔽
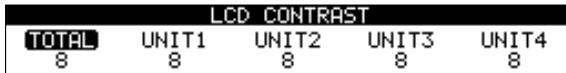
• Turn 🎛️ to select a display to adjust its contrast.

LCD CONTRAST				
TOTAL 8	UNIT1 8	**UNIT2** 8	UNIT3 8	UNIT4 8

🔽

• Press 🎛️ to confirm the display.

LCD CONTRAST				
TOTAL 8	UNIT1 8	UNIT2 **8**	UNIT3 8	UNIT4 8

🔽

• Turn 🎛️ to adjust the contrast.

LCD CONTRAST				
TOTAL 8	UNIT1 8	UNIT2 **11**	UNIT3 8	UNIT4 8

NOTE

The setting range is 1–13.

🔽

• Press 🎛️ to confirm the contrast setting.

LCD CONTRAST				
TOTAL 8	UNIT1 8	**UNIT2** 11	UNIT3 8	UNIT4 8

Using the tuner

Activating the tuner

• Confirm that the Overview Display shows the Home Screen.

⌄

• Press [TUNER].

⌄

• This enables the tuner.

NOTE

Whenever the Overview Display shows any other screen, press [TUNER] 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→

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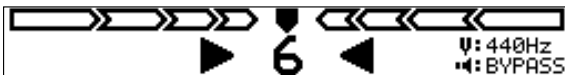
Closing the tuner

- Press [TUNER] when the TUNER screen or MENU screen is open.

- The Home Screen reopens.
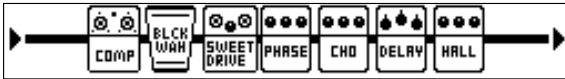
Changing the tuner settings

■ **Opening the TUNER MENU screen**

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

- Press [MENU] to open the TUNER MENU screen.
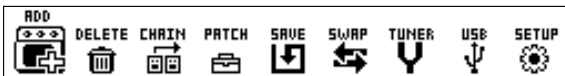
- On the SETUP screen, turn ⊙ to select TUNER.

34

- Press to open the TUNER MENU screen.

```
                    TUNER
OUTPUT    CALIBRATION    TYPE    FLAT
BYPASS       440Hz      GUITAR    bx0
```

■ Changing the tuner mode

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

```
                    TUNER
OUTPUT    CALIBRATION    TYPE    FLAT
BYPASS       440Hz      GUITAR    bx0
```

⌄

- Press .

```
                    TUNER
OUTPUT    CALIBRATION    TYPE    FLAT
BYPASS       440Hz      GUITAR    bx0
```

⌄

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

```
                    TUNER
OUTPUT    CALIBRATION    TYPE    FLAT
 MUTE        440Hz      GUITAR    bx0
```

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    bx0
```

35

■ Changing the standard pitch of the tuner

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

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

- Press [dial] .

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

- Turn [dial] 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 [dial] to confirm the standard pitch of the tuner.

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

■ Changing the tuner type

• On the TUNER MENU screen, turn ⟳ to select TYPE.

```
                        TUNER
  OUTPUT     CALIBRATION     TYPE      FLAT
  BYPASS        440Hz      CHROMATIC   ----
```

∨

• Press ⟳ .

```
                        TUNER
  OUTPUT     CALIBRATION     TYPE      FLAT
  BYPASS        440Hz      CHROMATIC   ----
```

∨
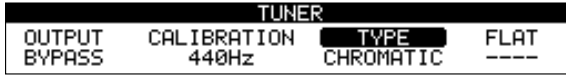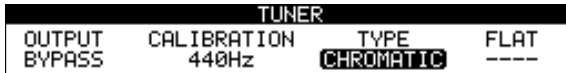
• Turn ⟳ to select the tuner type.

```
                        TUNER
  OUTPUT     CALIBRATION     TYPE      FLAT
  BYPASS        440Hz       GUITAR     b×0
```
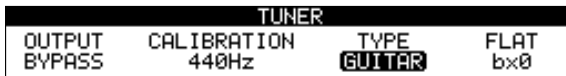
CHROMATIC
The chromatic tuner shows the nearest pitch name (semitone) and how far the input sound is from that pitch.

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.

```
                        TUNER
  OUTPUT     CALIBRATION     TYPE      FLAT
  BYPASS        440Hz       GUITAR     b×0
```
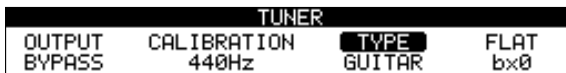
■ Using flat tuning

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

```
                    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 flat tuning.

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

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.

⌄
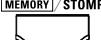
• Press ⊙ to confirm the flat tuning setting.

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

Using rhythms

Selecting a rhythm

- Press MEMORY / STOMP to change to STOMP mode.

∨

- Press O▼ **TYPE** ▲O to select a rhythm.

```
[RHYTHM]  ◀ Rhythm ▶
PATTERN     BPM   VOL
GUIDE       ▬▬▭   ▬▭
            120    80
```
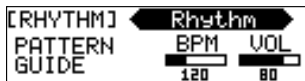
Playing a rhythm

- Press [🔘] for the unit using the rhythm effect.

∨

- The rhythm starts playing.

```
[RHYTHM]  ◀ Rhythm ▶
●●●○○○○○
```
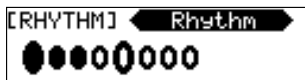
HINT

- 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.

```
[RHYTHM]  ◀ Rhythm ▶
PATTERN     BPM   VOL
Rock1       ▬▬▭   ▬▬▭
            160   100
```
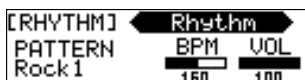
Setting rhythms

■ **Selecting rhythm patterns**

• Turn ⟳**1** for the unit using the rhythm.

```
[RHYTHM] ◄ Rhythm ►        [RHYTHM] ◄ Rhythm ►
PATTERN    BPM  VOL         PATTERN    BPM  VOL
GUIDE     ▬▬   ▬▬           Rock1     ▬▬   ▬▬
          120   80                    120   80
```

> **NOTE**
> See P. 54 for information about the patterns.

■ **Adjusting the rhythm tempo**

• Turn ⟳**3** for the unit using the rhythm.

```
[RHYTHM] ◄ Rhythm ►        [RHYTHM] ◄ Rhythm ►
PATTERN    BPM  VOL         PATTERN    BPM  VOL
Rock1     ▬▬   ▬▬           Rock1     ▬▬▬  ▬▬
          120   80                    160   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 ⟳**4** for the unit using the rhythm effect.

```
[RHYTHM] ◄ Rhythm ►        [RHYTHM] ◄ Rhythm ►
PATTERN    BPM  VOL         PATTERN    BPM  VOL
Rock1     ▬▬▬  ▬▬           Rock1     ▬▬▬  ▬▬▬
          160   80                    160   100
```
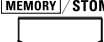
> **NOTE**
> The setting range is 0–100.

Using the looper

Selecting the looper

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

⌄

- Press ○▼ TYPE ▲○ to select the looper.

Mono looper

```
[LOOPER] ◀ LP-MONO ▶
Time  Undo  Stop  VOL
━━    ━━    ━━    ━━━
MANUAL OFF  STOP   80
```

Stereo looper

```
[LOOPER] ◀ LP-STEREO ▶
Time  Undo  Stop  VOL
━━    ━━    ━━    ━━━
MANUAL OFF  STOP   80
```

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.

```
[LOOPER] ◀ LP-MONO ▶
         REC       STOP
                    ↕↕
```

⌄

- 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.

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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.

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▉ 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 ◯¹ 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.

■ Setting the UNDO function

• Turn ⊘² for the unit using the looper effect to set it to ON/OFF.

```
[LOOPER] ◄ LP-MONO ►
Time  Undo  Stop  VOL
▬▬    ▬▬    ▬▬    ▬▬
MANUAL  OFF   STOP   80
```
❯
```
[LOOPER] ◄ LP-MONO ►
Time  Undo  Stop  VOL
▬▬    ▬▬    ▬▬    ▬▬
MANUAL  ON    STOP   80
```

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 ⊘³ for the unit using the looper effect.

```
[LOOPER] ◄ LP-MONO ►
Time  Undo  Stop  VOL
▬▬    ▬▬    ▬▬    ▬▬
MANUAL  OFF   STOP   80
```
❯
```
[LOOPER] ◄ LP-MONO ►
Time  Undo  Stop  VOL
▬▬    ▬▬    ▬▬    ▬▬
MANUAL  OFF  FADE OUT  80
```

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

■ Adjusting the looper volume

• Turn ⊘⁴ for the unit using the looper effect.

```
[LOOPER] ◄ LP-MONO ►
Time  Undo  Stop  VOL
▬▬    ▬▬    ▬▬    ▬▬
MANUAL  OFF   STOP   80
```
❯
```
[LOOPER] ◄ LP-MONO ►
Time  Undo  Stop  VOL
▬▬    ▬▬    ▬▬    ▬▬
MANUAL  OFF   STOP   100
```

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.

```
[PEDAL]  ◀ PDL Pitch ▶
▣Bend Color Tone Mode
  0     1    10   UP
```
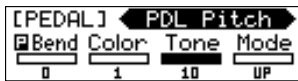
NOTE

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

```
    PEDAL
```

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.

```
[DELAY]  ◄── Delay ──►
Time  F.B    Mix   Tail
♩×8    30    70    OFF
```
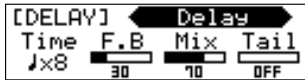
- Press [TAP] at least twice at the desired tempo.
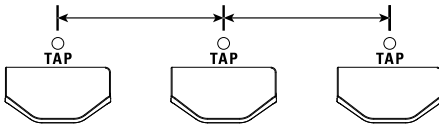
- This sets the tempo.

```
►──[PDL/PIT]──[TEMPO 120   ADJUST ▶▶▶]
```

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 **MENU** ⬜.

  ⌄

- Operate the pedal as instructed on the display, and press 🔘 when

  required.

  ```
        PEDAL CALIBRATION
  Set pedal to min. Push ENTER Key.
            ◢ 421
  ```
  ```
        PEDAL CALIBRATION
  Set pedal to max. Push ENTER Key.
            ▄▄ 727
  ```

  ⌄
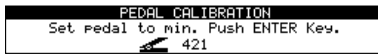
- "Complete!" will appear before play mode becomes active.

  ```
        PEDAL CALIBRATION
  Set pe ┌──────────┐ R Key.
         │ Complete! │
         └──────────┘
  ```

  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.

Loosen   Tighten
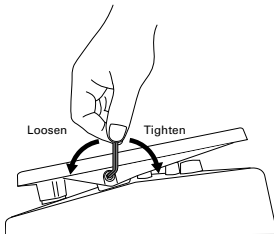
  NOTE

  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 [PUSH TO ENTER / PUSH EDIT EFFECT], set the POWER switch to ON.

⌄

- Turn [PUSH TO ENTER / PUSH EDIT EFFECT] to select YES.

```
ALL INITIALIZE
Are you sure?
YES    NO
```

HINT
Select NO to cancel initialization.

⌄

- Press [PUSH TO ENTER / PUSH EDIT EFFECT] to initialize.

⌄

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

```
ALL INITIALIZE
Complete!
```
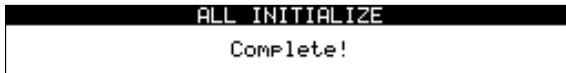
HINT
Executing the All Initialize function will restore all the settings of the **G5n**, including its patches, to factory defaults. Do not use this function unless you are certain that you want to do this.

Updating the firmware

Checking the firmware version

- Confirm that the Overview Display shows the Home Screen.
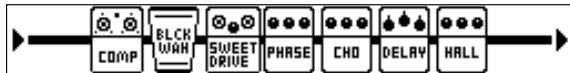
∨

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

∨

- Turn 🎛 **PUSH TO ENTER** / **PUSH EDIT EFFECT** to select SETUP.

∨

- Press 🎛 **PUSH TO ENTER** / **PUSH EDIT EFFECT** to open the SETUP screen.

SETUP			
EXT PDL	PRESEL	SYSTEM	LCD-
OFF	OFF		CNTRST

∨

- Turn 🎛 **PUSH TO ENTER** / **PUSH EDIT EFFECT** to select SYSTEM.

SETUP			
EXT PDL	PRESEL	**SYSTEM**	LCD-
OFF	OFF		CNTRST

∨

- Press 🎛 **PUSH TO ENTER** / **PUSH EDIT EFFECT** to open the SYSTEM screen.
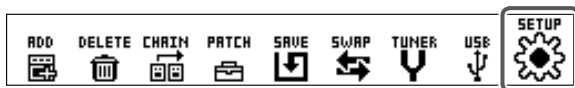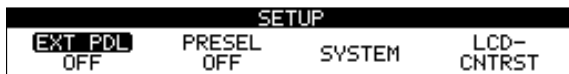
SYSTEM		
AUTO SAVE	eco	VERSION
ON	ON	

∨
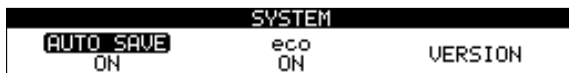
Updating the firmware

- 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

To download the latest firmware

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

• Connect the **G5n** to a computer using a USB cable.
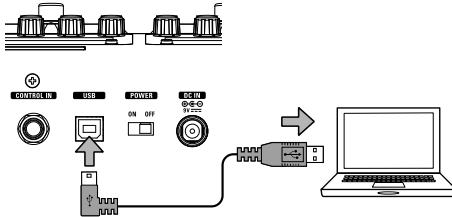
• While pressing both [FS 1] and [FS 2], set the POWER switch to ON.

• 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
```
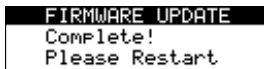
• Set the POWER switch to OFF.

HINT

Updating the firmware version will not erase saved patches.

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	No.	PatternName	TimSig	No.	PatternName	TimSig
1	GUIDE	4/4	24	R&B1	4/4	47	Jazz2	4/4
2	8Beats1	4/4	25	R&B2	4/4	48	Fusion	4/4
3	8Beats2	4/4	26	70s Soul	4/4	49	Swing1	4/4
4	8Beats3	4/4	27	90s Soul	4/4	50	Swing2	4/4
5	16Beats1	4/4	28	Motown	4/4	51	Bossa1	4/4
6	16Beats2	4/4	29	HipHop	4/4	52	Bossa2	4/4
7	16Beats3	4/4	30	Disco	4/4	53	Samba1	4/4
8	Rock1	4/4	31	Pop	4/4	54	Samba2	4/4
9	Rock2	4/4	32	PopRock	4/4	55	Breaks1	4/4
10	Rock3	4/4	33	IndiePop	4/4	56	Breaks2	4/4
11	ROCKABLY	4/4	34	EuroPop	4/4	57	Breaks3	4/4
12	R'n'R	4/4	35	NewWave	4/4	58	12/8 Grv	12/8
13	HardRock	4/4	36	OneDrop	4/4	59	Waltz	3/4
14	HeavyMtl	4/4	37	Steppers	4/4	60	JzWaltz1	3/4
15	MtlCore	4/4	38	Rockers	4/4	61	JzWaltz2	3/4
16	Punk	4/4	39	Ska	4/4	62	CtWaltz1	3/4
17	FastPunk	4/4	40	2nd Line	4/4	63	CtWaltz2	3/4
18	Emo	4/4	41	Country	4/4	64	5/4 Grv	5/4
19	TomTomBt	4/4	42	Shuffle1	4/4	65	Metro3	3/4
20	Funk1	4/4	43	Shuffle2	4/4	66	Metro4	4/4
21	Funk2	4/4	44	Blues1	4/4	67	Metro5	5/4
22	FunkRock	4/4	45	Blues2	4/4	68	Metro	
23	JazzFunk	4/4	46	Jazz1	4/4			

Specifications

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

$C\,E$ Declaration of Conformity