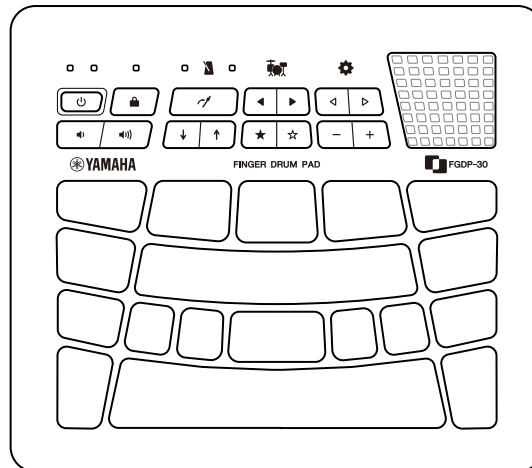




Finger Drum Pad

FGDP-30 User Guide



- "⚠CAUTION" messages in this Guide contain information that we ask you to follow in order to avoid the possibility of physical injury to you or others.
- "NOTICE" messages in this Guide contain information that we ask you to follow in order to avoid the possibility of malfunction/damage to the product, damage to data, or damage to other property.
- "NOTE" messages in this Guide contain instructions and additional information that might be helpful.
- All illustrations included in this user guide are for the purpose of explaining operation.
- Windows is a registered trademark of Microsoft® Corporation in the United States and other countries.
- macOS and App Store are trademarks of Apple Inc., registered in the U.S. and other countries.
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Introduction

This finger drum pad instrument allows you to easily and conveniently play drum and percussion sounds with your fingers. It was specially designed to be a highly portable 'mobile drum kit' that anyone can enjoy anywhere and at any time. In addition, this instrument is exceptionally useful for experienced finger-drumming players, for beginners who want to learn and get better at finger drumming, for actual drummers who want to enjoy playing easily, and for composers/producers who want to create original rhythms.

Enjoy this product optimized for finger drumming.

About the Manuals

The following two manuals are available for the product.

Startup Guide (Printed booklet included in the product package)	To help you use the product immediately, this Guide focuses on a product overview and basic operations. Before using this product, make sure to read "Precautions" at the beginning of this booklet, which can also be obtained from the Yamaha website. On the following site, enter "FGDP" in the Model Name box, and then execute the Search. Yamaha Downloads https://download.yamaha.com/
User Guide (This manual in HTML)	This guide provides all information about this product, including information covered in the Startup Guide.

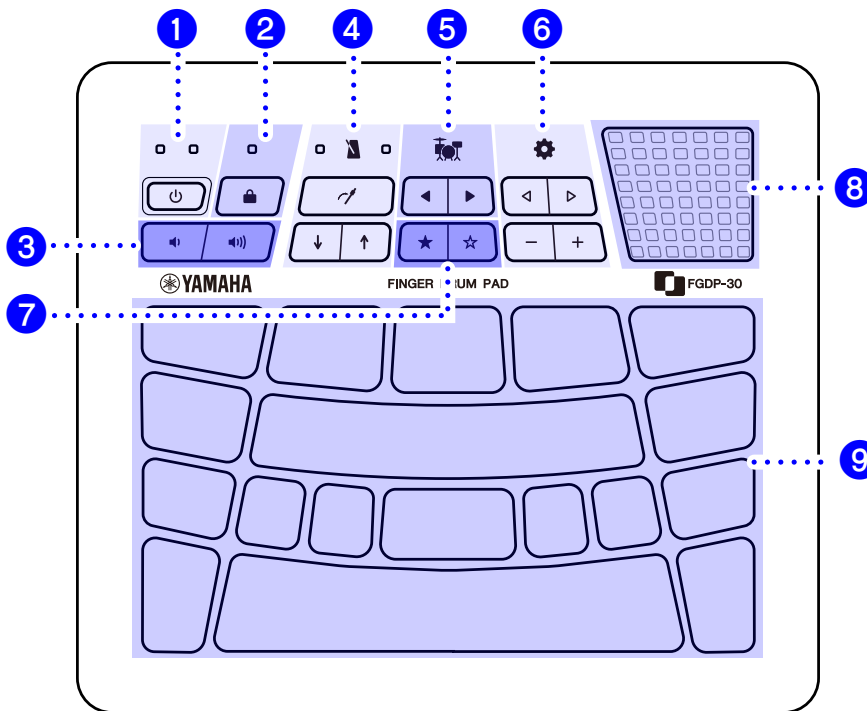
Included Accessories

- Startup Guide ×1
- Online Member Product Registration ×1
- USB A – micro-USB B cable (1.5 m) ×1

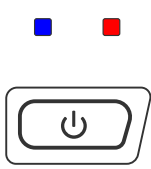
Controls

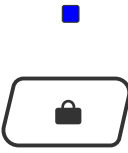

Top surface

The controllers on the top surface of this product consist of two types: buttons for various functions and pads for your musical performance.






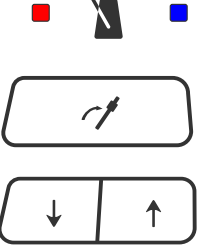
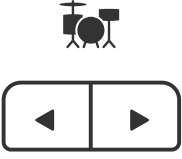
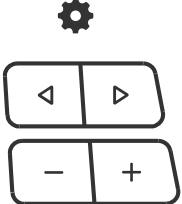
Buttons for functions 1 - 2


1		<p>Standby/On lamps (blue) (red)</p> <p>Standby/On button</p> <ul style="list-style-type: none">• This button lets you turn the product on/off, while the lamps let you confirm the charging status of this product. See this page for details about tuning the product on/off. See this page for details about charging the product. See this page for details about how to check the remaining Battery life.
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<p>2</p>		<p>Lock lamp</p> <p>Lock button</p> <ul style="list-style-type: none"> To prevent unintended operation by accidentally touching a button during performance, use this button to temporarily disable all buttons other than the pads, the  button, and this button. See this page for details.
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Buttons for functions 3-7

- The volume of the confirmation sounds produced with button operations can be adjusted via "  Menu 4 [Mixer Operation Sound Volume.](#)"
- The volume of the Voice Guide can be adjusted via  (Settings) "5 [Mixer Voice Guide Volume.](#)"

<p>3</p>		<p>Volume Down button (left) and Volume Up button (right)</p> <ul style="list-style-type: none"> These buttons let you adjust the volume of the sound output from the internal speaker and the [PHONES/OUTPUT] jack. See this page for details.
<p>4</p>		<p>Click lamps (red) (blue)</p> <p>Click button</p> <p>Tempo Decrease button (left) and Tempo Increase button (right)</p> <ul style="list-style-type: none"> You can listen to the click sound to play at the accurate tempo.
<p>5</p>		<p>Kit Select buttons</p> <ul style="list-style-type: none"> These buttons let you select a Drum Kit, a collection of drum sounds (or voices) assigned to pads. See this page for details.
<p>6</p>		<p>Setting Item Select buttons</p> <p>Minus button and Plus buttons</p> <ul style="list-style-type: none"> These buttons let you change various settings. See this page for details.

7		<p>Registration Memory buttons</p> <ul style="list-style-type: none"> • A batch of settings can be registered to one of these buttons, to be recalled anytime with a single touch. See this page for details.
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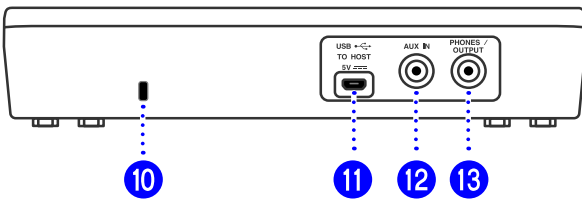
Built-in speaker 8


8	<p>Built-in speaker</p> <ul style="list-style-type: none"> • This speaker outputs the audio signals from an external device connected to this product, as well as your performance sound.
---	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------






Pads for your performance 9

9	<p>Pads</p> <ul style="list-style-type: none"> • By hitting these Pads (MIDI Note on), you can hear the various Voices that are assigned to these Pads. By pressing these Pads further or applying pressure to these Pads (MIDI Aftertouch), you can confirm that the sound of the Pads is naturally muted. See this page for details. • A number is assigned to each of the Pads. See this page for details.
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Rear surface



10		<p>Security slot</p> <ul style="list-style-type: none"> • Connect a commercially available security wire here to prevent theft of this product.
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<p>11</p>	<p>USB  TO HOST 5V </p> 	<p>[USB TO HOST] terminal</p> <ul style="list-style-type: none"> • This micro-USB B terminal is used to charge the battery with a USB Power Adaptor, to input/output audio signals, and to transmit/receive MIDI messages from/to a computer or smart device. See this page for details about how to charge the battery. See this page for details about the other functions.
<p>12</p>	<p>AUX IN</p> 	<p>[AUX IN] jack</p> <ul style="list-style-type: none"> • This is a stereo mini jack. By connecting your device like a digital keyboard or mobile music player to this jack, you can input their sound to this product. See this page for details.
<p>13</p>	<p>PHONES / OUTPUT</p> 	<p>[PHONES/OUTPUT] jack</p> <ul style="list-style-type: none"> • This is a stereo mini jack. By connecting a device like headphones or a live streaming device (mixer), you can output the sound of this product, including your Pad performance, and the audio signal input via the [AUX IN] jack. See this page for details.

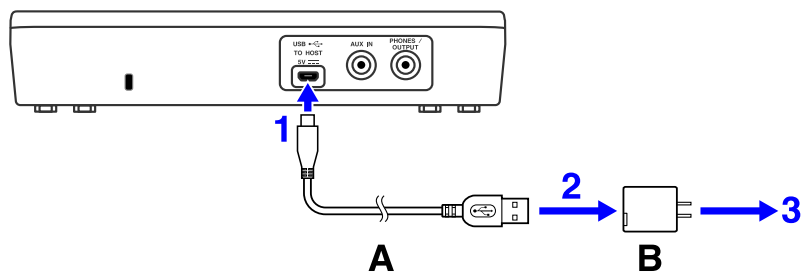
Power Supply

Charging

This product can be used after the battery is charged by connecting it to an AC outlet or a USB mobile battery as described below. In particular, before using this product for the first time after it is unpacked, make sure to fully charge the battery until the Standby/On lamp (red) turns off.

Charging with a USB power adaptor (commercially available)

Connect the USB power adaptor in the order of the numbers shown in the figure below.

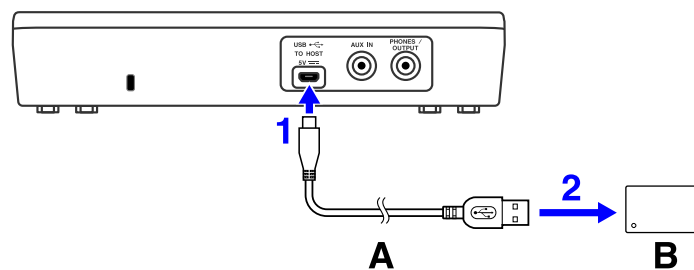


A. USB cable (included in the package)

B. USB power adaptor (commercially available)

Charging with a USB mobile battery (commercially available)

Connect the USB mobile battery in the order of the numbers shown in the figure below.



A. USB cable (included in the package)

Notes regarding charging

- The product can be used even while the battery is charging.
- If battery power is insufficient or abnormal, the Standby/On lamp (red) will flash.
- The estimated time to fully charge a low battery is 1–3 hours, when the product is turned off (depending on the usage environment and battery usage).
- To recharge the battery after a full charge, you will need to unplug the USB cable and then connect it again.

USB power adaptor/USB mobile battery requirements

Output voltage DC 5 V

Output current 1.5 A or greater *USB BC specification compatible products

CAUTION

Make sure to use a USB power adaptor or USB mobile battery with the specifications indicated above. Using the wrong adaptors or batteries can result in damage to the product or overheating. Follow the instructions that come with the connected USB power adaptor or the USB mobile battery.

NOTICE

- Use a USB mobile battery that has a low-current mode function, etc., and that can supply power to devices with a current consumption of 25 mA or less. If you cannot charge the battery with a USB mobile battery, try a USB power adaptor to see if you can charge the battery from a power outlet.
- If the product turns off suddenly and unexpectedly after it is turned on, your USB power adaptor or USB mobile battery might not meet the requirements or might be damaged. Try using another adaptor or battery that meets the requirements, etc. If the product should appear to be malfunctioning, please consult with Yamaha service personnel.


NOTE

When connected to a computer USB port or a USB power adaptor with less output current than 1.5 A, the remaining battery power might decrease even while charging (while the red Standby/On lamp is lit).

Turning the Power On/Off



To turn the power on

Press and hold the  button until the Standby/On blue lamp comes on.

NOTE

- If the battery is low, the product might not turn on.


To turn the power off

Press and hold the  button for a while until the lamps go off.


NOTE

- Although the power is off, most of the product settings are maintained. See [this page](#) for details.
- If the battery is low, the left side (blue) of the Standby/On lamp flashes three times, and then the product will turn off automatically.



Checking the remaining Battery life

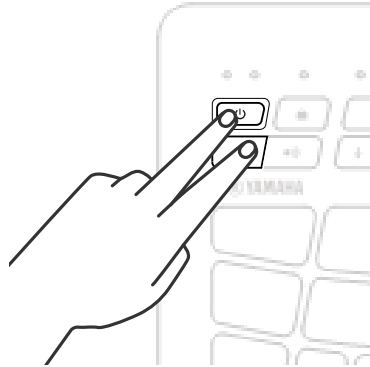
When you press and immediately release the  button, the Voice Guide announces the remaining Battery life, and the Standby/On lamp flashes four times to indicate a remaining Battery life of 100–90%, three times to indicate 80–60%, twice to indicate 60–40%, and once to indicate 20–0%.

NOTE

- If the battery level is between 20% and 0%, the left side (blue) of the Standby/On lamp will flash once every 30 seconds even when the  button is not pressed.

Forced power off


If the product behaves abnormally and no operation can be performed, press and hold the  and  buttons at the same time to force the power off.






NOTICE

When forcing the power off, the product settings will not be saved.

Auto Power Off

To prevent unnecessary power consumption, after a certain period of no operation the left side of the Standby/On lamp (blue) will flash twice and then this product automatically turns off. The time that elapses before the power is automatically turned off can be changed via "  Menu 62 [Utility Auto Power Off Time](#)".

To disable the Auto Power Off function, press and hold the  button and  button simultaneously to turn on the power. The Standby/On lamp will flash twice, and then the product starts up with the Auto Power Off function disabled ( Menu 62 [Utility Auto Power Off Time](#)="Disabled")

Connecting an external device

[PHONES/OUTPUT] jack

This is a stereo mini plug. By connecting a device like headphones or a live streaming device, you can output the sound of this product, including your Pad performance, and the audio signal input via the [AUX IN] jack.

⚠CAUTION

- Before connecting an external audio device, turn off the power of both this product and the external audio device. Also, before turning the power on or off, make sure to set all volume levels to minimum (0). Otherwise, damage to the devices, electrical shock, or even permanent hearing loss could occur.

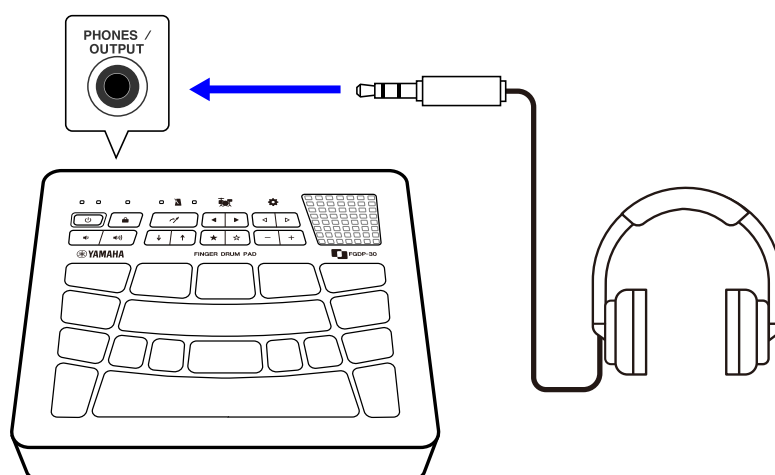
NOTICE

To avoid possible damage to the external device, first turn on the power to this product, then to the external device. When turning off the power, do so in reverse order: first turn off the power to the external device, then to this product.

NOTE

By default, the built-in speaker is automatically shut off when a plug is inserted into this jack. See [this page](#) for details.

Connecting Headphones

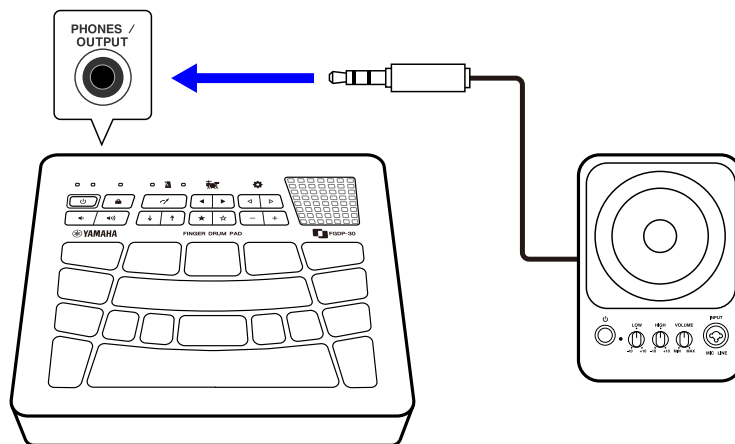


⚠CAUTION

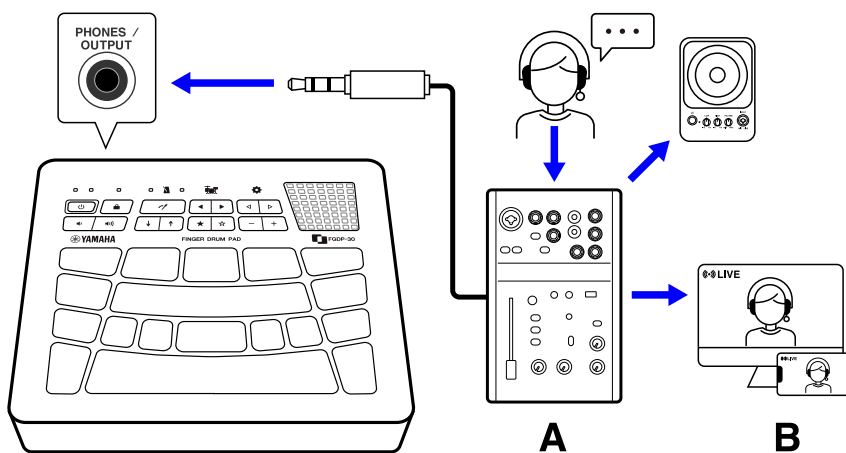
- Do not use this instrument or headphones for a long period of time at a high or uncomfortable volume level, since doing so could cause permanent hearing loss.

Connecting external speakers or a live streaming device

Connecting an external speaker equipped with an amplifier



Connecting a live streaming device

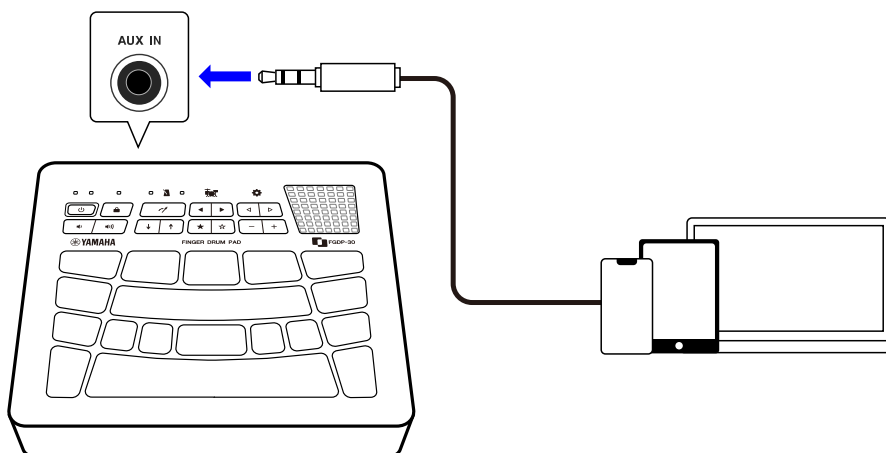


A Live streaming device

B Streaming

[AUX IN] jack

By using this jack, the built-in speaker can output the sound of an audio device such as a smart device or computer.



!CAUTION

- Before connecting an external audio device, turn off the power of both this product and the external audio device. Also, before turning the power on or off, make sure to set all volume levels to minimum (0). Otherwise, damage to the devices, electrical shock, or even permanent hearing loss could occur.

NOTICE

- To avoid possible damage to the external device, first turn on the power to this product, then to the external device. When turning off the power, do so in reverse order: first turn off the power to the external device, then to this product.

[USB TO HOST] terminal

This product is equipped with a [USB TO HOST] terminal.



Notice when using the [USB TO HOST] terminal

When connecting a USB cable to this terminal, make sure to hold the connector (plug) and insert it all the way in the correct vertical and horizontal direction (without tilting it) to prevent poor contact. After connecting the USB cable, ensure that excessive force is not applied to the connector (plug). In addition, check the notes regarding USB connections in the “Precautions” section of the Startup Guide included in the product package.

- See [this page](#) for details about connecting a charging device.
- Depending on the model of the computer/smart device and the OS, a USB connection

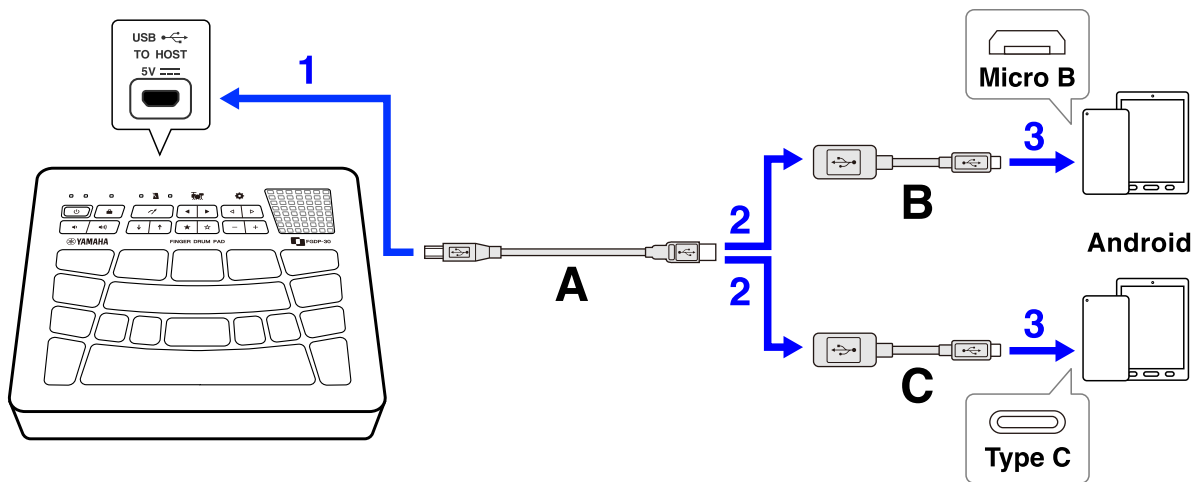
might cause noise or might not work well.

- When connecting a smart device or computer, the following points should be observed to avoid freezing and data loss.
 - Before turning the power to this product on/off or plugging/unplugging a USB cable to/from the [USB TO HOST] terminal, quit any open application software on the smart device or computer.
 - Wait for six seconds or more between the following operations: (1) when turning the power of the product off and then on again, or (2) when alternately connecting/disconnecting a USB cable.

If the smart device, computer, or the product freezes, restart the application software or OS of the smart device/computer, or turn the power to this product off and then on again.

Connecting to a smart device (Android)

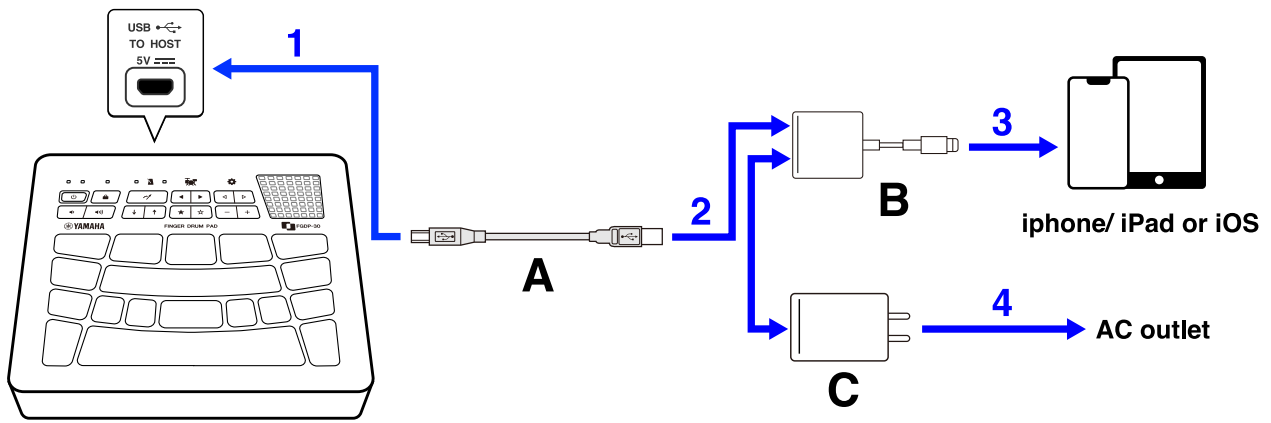
Use the following items to make connections in the order of the numbers shown in the figure below.



- A. USB cable (Micro B male–Type A male) included with this product
- B. USB conversion adaptor (Type A females–Micro B male) sold separately
- C. USB conversion adaptor (Type A females–Type C male) sold separately

Connecting to a smart device (iOS)

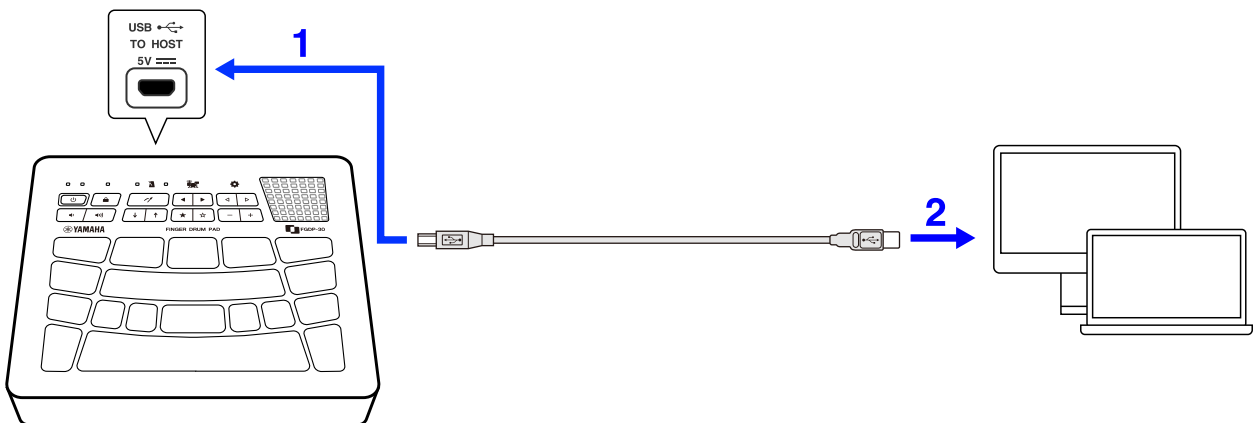
Use the following items to make connections in the order of the numbers shown in the figure below.



- A. USB cable (Micro B male–Type A male) included with this product
- B. Apple Lightning-USB3 Camera Adaptor sold separately
- C. USB power adaptor

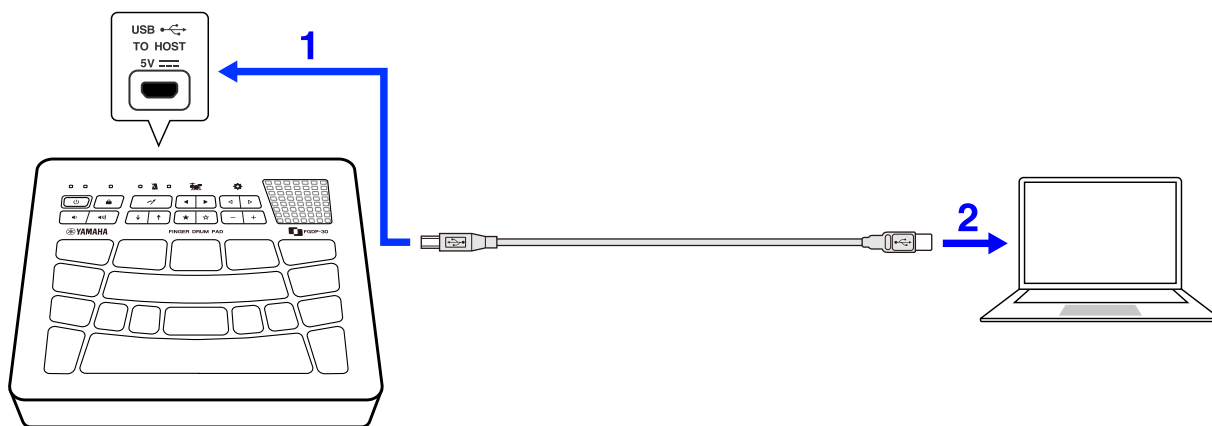
Connecting to a computer (Mac)

Use the following items to make connections in the order of the numbers shown in the figure below.



Connecting to a computer (Windows)

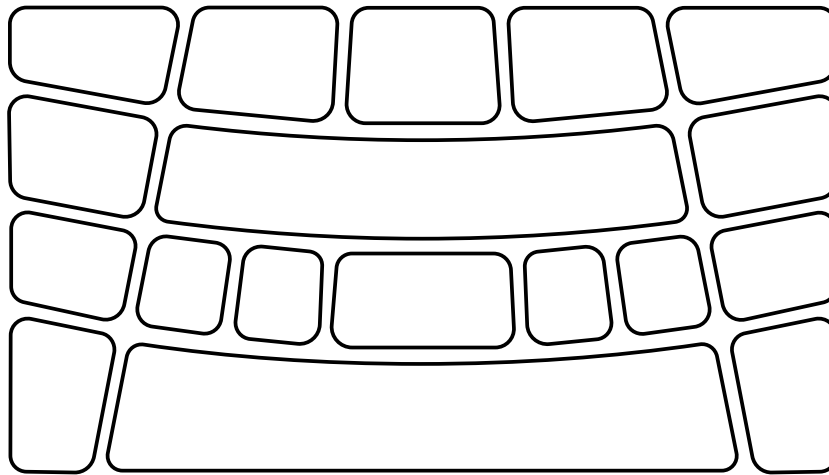
1. Install the Yamaha Steinberg USB Driver on your computer.
The Yamaha Steinberg USB Driver can be downloaded from the following URL:
<https://download.yamaha.com/>
2. Connect your computer to the [USB TO HOST] terminal via the included USB cable.



3. On your computer, open “Yamaha Steinberg USB Driver Control Panel”, and then set “Device:” to “Finger Drum Pad”.

Internal Structure of this product

Pad operations



The Pads on this product support Aftertouch as well as Note on/off. In other words, this product is designed so that in addition to producing a Voice sound when a Pad is hit, the sound of the Pads will be muted naturally by pressing the Pad further.

Pad operation = Generated MIDI event

Hitting a Pad = Note On


Pressing a Pad further (pressure applied to Pad) = Aftertouch

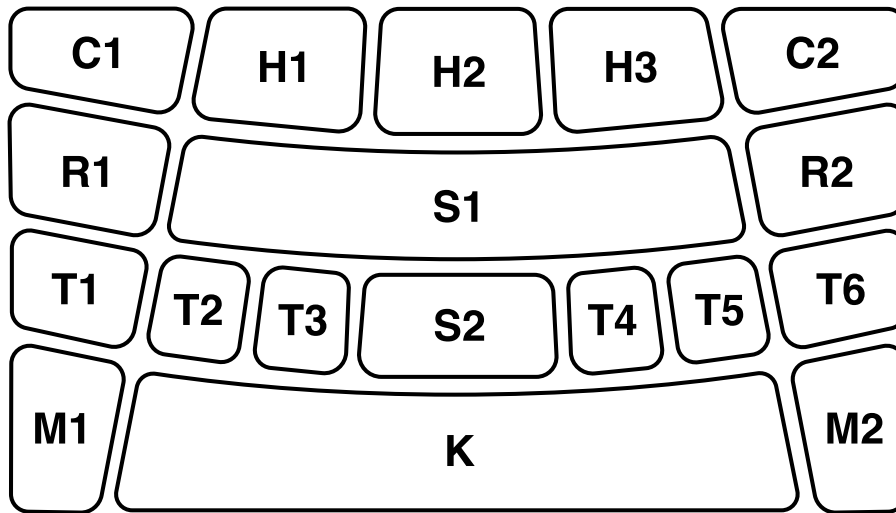
Hitting and then no pressing = Note Off

Pad numbers


Specific numbers are assigned to each individual Pad. These numbers are used in this User Guide to identify each Pad as necessary. These number assignments—and their settings such as Voice assignments—can be flipped left-right between the Pads arranged symmetrically on the product.

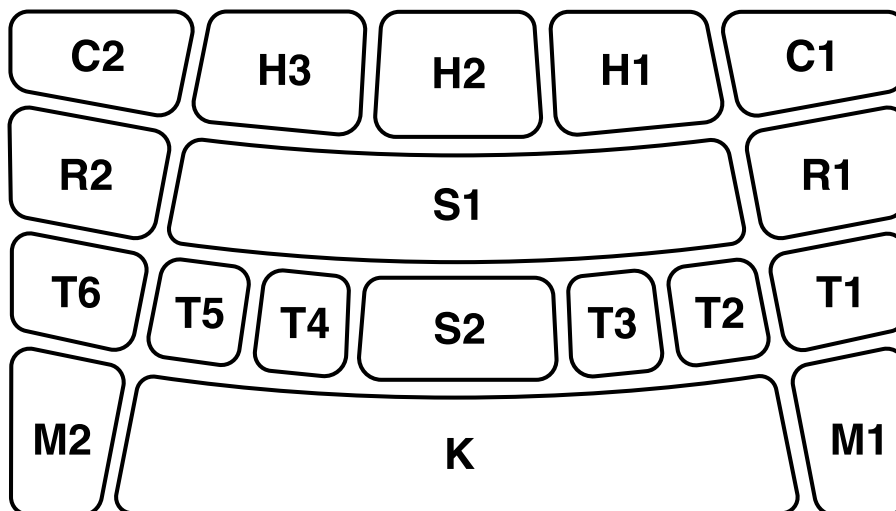
When playing primarily with your right hand

When “ Menu 59 [Utility Pad Layout](#)” is set to “Right” (Default setting), the Pad numbers are assigned as illustrated below. This setting assumes that you are playing primarily with your right hand.




When playing primarily with your left hand

When “ Menu 59 [Utility Pad Layout](#)” is set to “Left,” the Pad numbers are assigned as illustrated below. This setting assumes that you are playing primarily with your left hand.



Backup Items (settings maintained even when the power is turned off)

The settings for the items listed below are maintained even when the power is turned off.

- [Kit number](#)
- [Tempo](#)
- Volume of the sound output from the built-in speaker (See [this page](#).)
- Volume of the sound output from the [PHONES/OUTPUT] jack (See [this page](#).)
- Settings in 

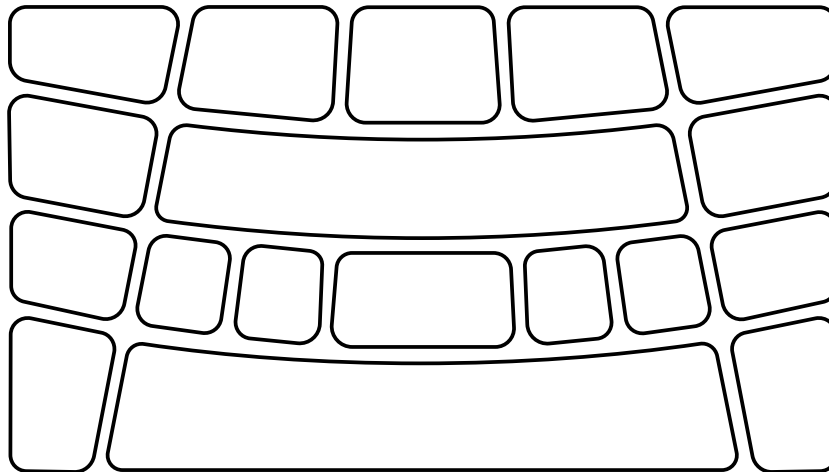
- [Menu 1–5](#) Mixer settings (Volume adjustment)
- [Menu 6–9](#) Click related settings
- [Menu 10–34](#) Kit related settings
- [Menu 36–52](#) Trigger number (36) and Trigger related settings (37-52)
- [Menu 55–62](#) Utility settings

NOTE


- For Kit related settings, the last edited value in menu 10–34 will be automatically recalled the next time a Kit is selected.
- For Trigger related settings, the last edited value in menu 37–52 will be automatically recalled the next time a Trigger is selected.

Playing the Pads

When you hit a Pad with your finger, you will hear the Voice assigned to that Pad. The intensity of the sound changes according to how hard you hit the Pad. By hitting these Pads with your finger, you can hear the various Voices that are assigned to these Pads. By pressing these Pads further or applying pressure to these Pads, you can confirm that the sound of the Pads is naturally muted.





NOTE


- The Drum Voices assigned to each Pad can be changed. See [this page](#) for details.
- Pad numbers can be inverted horizontally between left and right via "  59 [Utility Pad Layout.](#)"
- If you want to play along with a constant tempo, use the Click sounds. For the tempo, see [this page](#). For the Click, see [this page](#).
- It is a good idea to play the Pads along with the song playback by connecting an audio device to this product. See [this page](#) for details.

Adjusting the Volume


You can set the volume of the sound from the built-in speaker and the [PHONES/OUTPUT] jack separately. Use the operations described below to adjust the volume of the built-in speaker when an external audio device is not connected to the [PHONES/OUTPUT] jack, or the volume output from the [PHONES/OUTPUT] jack when an external audio device is connected.

A short press of the  button will decrease the volume while a long press will continue to decrease the volume.

A short press of the  button will increase the volume while a long press will continue to increase the volume.

Press the  buttons simultaneously to reset the volume to its default value.

NOTE

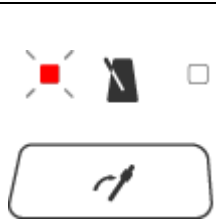
Although the  buttons will adjust the overall volume, you can also adjust the volume of the individual sound parts. See [this page](#) for details.


NOTE

- The initial value of the volume is adjusted so that the volume and sound quality are well-balanced.






Starting and Stopping the Click sound

You can play back the Click sound to check the correct tempo.



Each press of the  button toggles the Click sound on and off. The Click lamps flash in time with the Click tempo. The red lamp flashes for the first beat of the bar and the blue lamp flashes for the other beats.





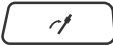
NOTE

- The volume of the Click sound can be adjusted via "  Menu 1 [Mixer Click Volume](#)".
- The rhythm pattern or resolution of the Click sound can be selected via "  Menu 6 [Click Pattern](#)".
- The number of Click beats per measure can be set via "  Menu 7 [Click Beats](#)".
- The type of Click sound can be selected via "  Menu 8 [Click Voice](#)".
- The number of measures for which playback of the Click sound continues can be set via "  Menu 9 [Click Count Off Bar](#)".

Changing the tempo

You can change the tempo of the Click sound within the range of 30 - 300. With the







following operations, the tempo value is audibly announced via the Voice Guide.

- A short press of the  button will decrease the tempo value by 1 while a long press will continue to decrease the tempo value.
- A short press of the  button will increase the tempo value by 1 while a long press will continue to increase the tempo value.
- Press the   buttons simultaneously to return the tempo to the default value (120).
- Hit any Pad 3 times or more while holding down  button to set the tempo to the average of the intervals at which you hit the Pad. This function is called “Tap Tempo.”



Selecting a Kit (Changing the sound of all Pads)

A Pad assignment of sounds (or Voices) is referred to as "Kit." This product features a variety of Kits for various music genres. Select your favorite kit and enjoy playing.



- Use the   buttons to select the desired Kit.
- Hold down  button or  buttons to continue to switch Kit numbers.
- Press the  button and  buttons simultaneously to return the Kit to the default number (No.1).

NOTE

- You can edit various settings for the currently selected Kit, such as Volume and Effects, via  Menu [10-34](#).
- Edits to the settings of all Kits are maintained even when the power is turned off. You can initialize edits to the settings of the current Kit via “ Menu 35 [Kit Initialize](#)”.

Kit List

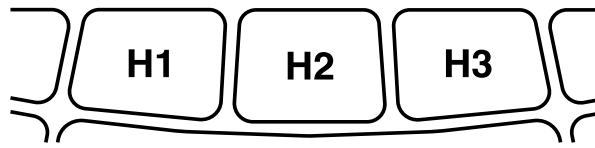
No.	Kit Name (Voice Guide)	Description
1	Maple	A kit recorded on a drum kit with maple shells, notable for its warm sound and enduring sustain.
2	EDM Red	A kit suitable for playing electronic music, focusing on carefully selected kicks and snares for immediate success.

3	Distortion Rock	A kit with distortion applied throughout, giving it a distorted tone with a memorable rock-style punch.
4	House Rose	A kit suitable for house performances, featuring a tight, machine-like sound.
5	R&B	The perfect kit for playing R&B, featuring samples from classic drum machines.
6	Dub Step Sun	This dubstep-oriented kit adds a distinctive bass to the toms.
7	Big Beat	An excellent kit for Big Beat music, making extensive use of distortion effects to give it an amazing sound.
8	Gate	A kit with the classic gated reverb sound so popular in the eighties.
9	Hip Hop Gold	Great for hip-hop performances, this kit features a dry snare sound with an old-school kick.
10	Modern Jazz	The perfect kit for playing jazz, with ride cymbal bows positioned at C1 and C2 for greater freedom when playing a swing beat.
11	Oak	Recorded from an oak shell drum kit, this kit boasts a powerful bass and rich mid-range.
12	Birch	Recorded using a birch shell drum kit, this kit has distinctive sustain in its mid- and low-range, and a tight top end.
13	Beech	Recorded using a beech shell drum kit, this kit has a clean attack and a hard sound with deep mids.
14	Garage Punk	The perfect punk kit, with a fat, driving sound.
15	Vintage 70s	A fat, warm, vintage sound reminiscent of rock's golden age in the 70s.
16	Funk	A great kit for playing funk, with a tight, dry sound.
17	Neo Soul	Intended for use when playing Neo Soul, this kit features high-pitched toms with long sustain, and a clap sound assigned to the snare (S1).
18	Metal	A strong attack and clear kick make this a great kit for heavy metal.
19	Phaser	Based on the Birch kit, this kit features a strong phaser effect.
20	Digi Rock	The perfect kit for playing rock, with a combination of electro sounds. Enjoy the deep flanging effect.
21	Reggae	A great reggae kit, with timbales and a high-pitched snare.
22	EDM Yellow	An EDM kit with reverb reminiscent of stadium performances.

23	EDM Green	The tight, machine-like sound makes EDM Green a good choice for EDM performances.
24	House Mint	The perfect kit for house music, featuring toms with powerful mids and lows.
25	Hip Hop Silver	Layered snares make this kit an excellent choice for playing hip-hop.
26	Beat Box Pine	Great for beatbox-style performances, this kit features an extra-powerful mid- and low-range.
27	RX	A kit recorded using sound from Yamaha's legendary RX Series digital drum machines.
28	T8	Recorded using sounds from classic analog drum machines, this kit can be used for a wide range of genres from the 80s to modern music.
29	T9	A kit recorded using sounds from classic analog drum machines, perfect for techno and house performances.
30	Analog	Recorded using sounds from classic analog drum machines, this kit is perfect for performing 80s dance music.
31	Percussion Master	A percussion kit featuring a range of percussion instruments from around the world that are sure to make sessions an immediate success.
32	Cuban	Perfect for playing Cuban music, this kit features timbales on the left and right pads.
33	Brazil	A percussion kit built around classic percussion instruments from Brazil, intended for playing batucada.
34	Africa	This percussion kit features a collection of classic percussion instruments from Africa, and is focused on djembe performance.
35	Arabic	This percussion kit features a collection of classic percussion instruments from Arabia, and is focused on darabuca performance.
36	Indian Pop	This kit combines classic Indian percussion instruments with electro-sounds, making it perfect for Bollywood music.
37	China	Featuring a collection of classic Chinese percussion instruments, the China kit has paigu assigned to the left and right pads.
38	Japan	With a collection of classic Japanese percussion instruments, the Japan kit has unique samples assigned to C1 and C2.
39	Orchestra	A percussion kit featuring a range of percussion instruments used in orchestral performance, with timpani assigned to the left and right pads.

Trying the Choke setting

After selecting “Kit1 Maple,” try hitting the H1, H2, and H3 Pads.



When “ Menu 59 [Utility Pad Layout](#)” is set to “Right”

If you hit the H2 Pad (hi-hat open cymbal) and then the H1 or H3 Pad (hi-hat closed cymbal), you will hear that the sound of H2 (hi-hat open cymbal) disappears. You can achieve this playing style with the following settings.

-  Menu 19 [Kit Pad Choke Group](#)

The H1, H2, and H3 Pads are set to form a “Choke Group” named “16.”










-  Menu 20 [Kit Pad Choke Mode](#)

The H1 and H3 Pads are set to “Send” to mute other Pad sounds in the Group, while the H2 Pad is set to “Receive” to be muted by other Pads in the Group.

Changing the Voice of a specific Pad (Editing a Kit)

You can change the Voice of a specific Pad in the current Kit, such as kick (bass drum) and snare drum.









1. Use the   buttons to select “ Menu 23 [Kit_Voice_Category](#).”
 2. Hit the target Pad.
 3. Use   buttons to select a Voice Category.
- You will hear the first Voice sound of the selected Voice Category, and then the Voice Guide announces the Voice Category name and the target Pad number. For the Voice Category List, see [this page](#).
4. Press  button once to select “ Menu 24 [Kit_Voice_Number](#)”.
 5. Use   buttons to select the desired Voice.

Each time you select a Voice, you will hear the audition sound, and then the Voice Guide announces the Voice number and the target Pad number. For the Voice List, see [this page](#).

To change the Voice of another Pad, repeat the above steps.

NOTE

- Press the   buttons simultaneously to restore the default Voice.
- “ Menu 60 [Utility Audition Velocity](#)” lets you set the volume of the Voice that is heard when selected via the   buttons.
- Edits to the settings of all Kits are maintained even when the power is turned off. You can initialize edits to the settings of the current Kit via “ Menu 35 [Kit Initialize](#).”

Voice Category List

No.	Name (Voice Guide)
1	Kick Acoustic
2	Kick Electro
3	Snare Acoustic
4	Snare Electro
5	Tom Acoustic
6	Tom Electro
7	Hi-hat Acoustic

8	Hi-hat Electro
9	Cymbal Acoustic
10	Cymbal Electro
11	Percussion Acoustic
12	Percussion Electro
13	Clap
14	SE

Voice List

See [this page](#).

Changing the Pad sensitivity (Trigger)



From among the provided settings called "Trigger," you can select your favorite Pad sensitivity for the best playing feel.

To select a Trigger


Select “ Menu 36 [Trigger Select](#),” and then select the desired Trigger.

To edit the selected Trigger

Each setting item of the current Trigger Setup can be edited for each Pad.

1. Hit the target Pad.
2. Select one of the related items such as “ Menu 40 [Trigger A/D Gain](#)” and “ Menu 48 [Trigger After Touch Priority](#)”, and then edit them.

NOTE

- Edited Triggers are maintained even when the power is turned off. If you want to initialize the current Trigger, execute “ Menu 53 [Trigger Initialize](#).”

Playing the Pads along with music

You can listen to the playback sound of an external device through the built-in speaker or headphones connected to the [PHONES/OUTPUT] jack. Enjoy your Pad performance along with music playback.


Along with a mobile music player

1. Connect a mobile music player to the [AUX IN] jack via the audio cable.

See [this page](#) for details.

2. Play back music on the mobile music player.

NOTE

- The sound volume input via the [AUX IN] jack can be adjusted via “ Menu 2 [Mixer Aux In Audio Volume](#).”



Along with a computer/smart device

1. Connect the music playback device to the [USB TO HOST] terminal via the supplied USB cable.

See [this page](#) for details.

2. On the computer/smart device, start playback.




NOTE

- The sound volume input via the [USB TO HOST] terminal can be adjusted via “ Menu 3 [Mixer USB Audio Volume](#).”
- In addition to the USB connection, you can use the audio cable connection between the headphone jack of your computer/smartphone/tablet and the [AUX IN] jack.
- If this product is connected to a computer/smart device via USB and “ Menu 57 [Utility USB Audio Loopback](#)” is set to “On,” an Audio Loopback will be configured. See [this page](#) for details.

Disabling the Buttons (Panel Lock)

To prevent unintended operation by accidentally touching a button during performance, most of the buttons other than the Pads can be temporarily disabled (locked).

All Pads, , and  are available even when the Panel Lock function is enabled.

 	<p>Lock: Press and hold  button until the lamp lights.</p> <p>Unlock: Press and hold  button until the lamp goes out.</p>
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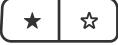
NOTE

- The product can be turned off via the  button even if the Panel Lock function is enabled.


Registering your favorite settings (Registration Memory)

You can register a batch of current settings—such as the Kit number, Effect, and Trigger—to a single button, and then recall them at anytime with a single touch. This convenient function is called Registration Memory. Two Registration Memory buttons are available on this product.

Registration:

- Press and hold one of the  buttons until the Voice Guide prompts you. The current settings will be registered to the pressed button.
- For items that can be registered in Registration Memory, see [this page](#).


Recall:

- Briefly press one of the  buttons to recall the settings registered to the pressed button.






NOTICE

- To recall registered settings, make sure to use a short button press. Holding the button too long will register the current settings, and the previously registered settings will be lost.

NOTE


- "  Menu 54 [Registration Memory Initialize](#)" lets you initialize the previously operated Registration Memory.



Setting Items that can be registered in Registration Memory



- Kit number (See [this page](#))
- Tempo value (See [this page](#))
-  [Menu 1–5](#) Mixer related settings
-  [Menu 6–9](#) Click related settings
-  [Menu 10–34](#) Kit related settings
-  [Menu 36–52](#) Trigger number (36) and Trigger related settings (37-52)
-  [Menu 55–62](#) Utility settings

[1–64] Menu of the Setting Items



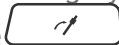
Use the buttons below  to change various settings.



1. Use the   buttons to select the desired item.
Press and hold either button to switch items continuously. Press both buttons simultaneously to return to the first item of the Menu.

2. Use the   buttons to edit the value.
Press and hold either button to continuously increase or decrease the value in the corresponding direction. Press both buttons simultaneously to return to the default value.

NOTE

- You can jump to the beginning of each Menu Category by pressing either the  or  button while holding down the  button.

Menu Categories of the Setting Items




- [Menu 1–5](#) Mixer related settings (Volume adjustment)
- [Menu 6–9](#) Click related settings
- [Menu 10–34](#) and [Menu 35](#) Kit related settings (10-34) and Kit Initializing (35)
- [Menu 36–52](#) and [Menu 53](#) Trigger number (36), Trigger related settings (37-52) and Trigger Initializing (53)

- [Menu 54](#) Registration Memory Initializing
- [Menu 55–62](#) Utility settings
- [Menu 63](#) Factory Reset
- [Menu 64](#) Firmware Version

NOTE


- The settings for most items (Menu 1–34, 36–52, 55–62) can be registered in [Registration Memory](#).
- The settings for most items (Menu 1–34, 36–52, 55–62) are maintained even when the product is turned off. See [this page](#) for details.
- The default values for Menu 10–34 are unique for each Kit, and the default values for Menu 37–52 are unique for each Trigger.

[1–5] Mixer

 Menu 1–5 let you adjust the volume for each Sound Part. After using the   buttons to select an item, the Voice Guide announces the item name, starting with the number and then “Mixer.”

No.	Item name (Voice Guide)	Description	Range	Default Value
1	Mixer Click Volume	Adjusts the volume of the Click sound.	0–32	22
2	Mixer Aux In Audio Volume	Adjusts the volume of the sound that is input to the [AUX IN] jack.	0–32	12
3	Mixer USB Audio Volume	Adjusts the volume of the audio sound that is input to the [USB TO HOST] terminal.	0–32	24
4	Mixer Operation Sound Volume	Adjusts the volume of the sound produced by pressing a button.	0–32	14
5	Mixer Voice Guide Volume	Adjusts the volume of the Voice Guide.	0–32	10

[6–9] Click

⚙️ Menu 6–9 let you make Click related settings. After using the  buttons to select an item, the Voice Guide announces the item name, starting with the item number and then “Click.”


No.	Item name (Voice Guide)	Description	Range	Default Value
6	Click Pattern	Determines the rhythm pattern of the click. If one beat is a quarter note, a Click is generated at quarter note intervals when this setting is 1/4, at eighth note intervals when this setting is 1/8, and at sixteenth note intervals when this setting is 1/16. If the value ends with a T (Triplet), the Click will be generated on triplets of each of these settings. For SonClave and RumbaClave, a Click is generated in the pattern of a clave in Latin music.	1/4, 1/4 Triplet, 1/8, 1/8 Triplet, 1/16, 1/16 Triplet, 3-2 Son Clave, 2-3 Son Clave, 3-2 Rumba Clave, 2-3 Rumba Clave	1/4
7	Click Beats	Determines the number of beats per measure for the click sound.	1–16	4
8	Click Voice	Determines the sound type or Voice of the Click.	Metronome 1, Metronome 2, Cowbell, Drumsticks, Claves, Human 1, Human 2	Metronome 1
9	Click Count Off Bar	If "1" or "2" is selected, the Click sound will play back one or two measures and then stop. If "off" is selected, the Click sound continues until it is stopped.	Off, 1, 2	Off

[10–34] Kit related settings

⚙️ Menu 10–34 let you make the settings for the currently selected Kit.

- The default value of each item will differ depending on each Kit.
- Regarding ⚙️ Menu 17–34, hit the target Pad, then make the settings.

[10–16] Entire Kit settings

⚙️ Menu 10–16 let you make the overall settings for the currently selected Kit. After using the  buttons to select an item, the Voice Guide announces the item name, starting with the item number and then “Kit.”

No.	Item name (Voice Guide)	Description	Range
10	Kit Volume	Adjusts the volume of the current Kit.	0–127
11	Kit Reverb Type	Determines the Reverb Type applied to the current Kit.	Refer to the Reverb Type List .
12	Kit Reverb Send	Adjusts the depth (send amount) of the Reverb Effect applied overall to the current Kit. The actual depth is this value multiplied by the value for " ⚙️ Menu 31 Kit Voice Reverb Send " for each Voice.	0–127
13	Kit Chorus Type	Determines the Chorus Type applied to the current Kit.	Refer to the Chorus Type List .
14	Kit Chorus Send	Adjusts the depth (send amount) of the Chorus Effect applied overall to the current Kit. The actual depth is this value multiplied by the value for " ⚙️ Menu 32 Kit Voice Chorus Send " for each Voice.	0–127
15	Kit Variation Type	Determines the Variation Effect Type applied to the current Kit.	Refer to the Variation Type List .
16	Kit Variation Send	Adjusts the depth (send amount) of the Variation Effect applied overall to the current Kit. The actual depth is this value multiplied by the value for " ⚙️ Menu 33 Kit Voice Variation Send " for each Voice.	0–127

Reverb Type List

No.	Reverb Type (Voice Guide)
1	No Effect
2	Room 1
3	Room 2
4	Room 3
5	Room 4
6	Hall
7	Stage
8	Plate
9	Early Reflection
10	Gate Reverb 1
11	Gate Reverb 2
12	Reverse Gate




Chorus Type List

No.	Chorus Type (Voice Guide)
1	No Effect
2	Distortion
3	Overdrive
4	Amp Simulator
5	Chorus 1
6	Chorus 2
7	Flanger
8	Phaser
9	Auto Wah
10	Ring Modulator
11	Delay Doubling

Variation Type List



No.	Variation Type (Voice Guide)
1	No Effect
2	Compressor
3	V Distortion Hard
4	V Distortion Hard + Delay
5	Tempo Delay 1 8th
6	Tempo Delay 1 Triplet
7	Tempo Delay 1 Dotted
8	Tempo Delay 2 8th
9	Tempo Delay 2 Triplet
10	Tempo Delay 2 Dotted
11	Delay LCR
12	Cross Delay 1
13	Cross Delay 2
14	Echo
15	Deep Chorus
16	Phaser
17	Dynamic Phaser
18	GM Flanger
19	Dynamic Flanger
20	Ring Modulator
21	Dynamic Ring Modulator
22	Auto Wah
23	Touch Wah
24	Dynamic Filter



[17–22] Pad settings

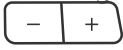



 Menu 17–22 let you make the Pad settings for the current Kit. After using the   buttons to select an item, the Voice Guide announces the item name, starting with the item number and then “Kit Pad.” Before making the settings, make sure to hit the target Pad.

No.	Item name (Voice Guide)	Description	Range
17	Kit Pad Note On Mute	Determines whether the sound is muted "On" or not "Off" when you hit the Pad that is being played back.	Off, On
18	Kit Pad Note Off Mute	Determines whether the sound is muted "On" or not "Off" when you just hit without pressing further the Pad that is being played back.	Off, On
19	Kit Pad Choke Group	With the Choke settings (19 and 20), hitting a Pad can naturally mute the sound of that Pad and other Pads that are being played back. These target mute Pads can be grouped together as a "Choke Group." Up to 16 "Choke Groups" can be made. Here, set the target Pad to one of the 16 Choke Groups.	Off, 1–16
20	Kit Pad Choke Mode	Sets the target Pad to either the muting side ("Send") or to the side being muted ("Receive") in the Choke Group.	Send, Receive, Send&Receive
21	Kit Pad Link Group	With the Link settings (21 and 22), hitting a Pad will also play the sound of other Pads. These target playback Pads can be grouped together as a "Link Group." Up to 16 "Link Groups" can be made. Here, set the target Pad to one of the 16 Link Groups.	Off, 1–16
22	Kit Pad Link Mode	Sets the target Pad to either the playback instruction side ("Send") or to the side being instructed ("Receive") in the Link Group.	Send, Receive, Send&Receive

[23–33] Voice settings

⚙️ Menu 23–33 let you make the settings for the Voice assigned to each Pad. After using the   buttons to select an item, the Voice Guide announces the item name, starting with the item number and then "Kit Voice." Before making the settings, make sure to hit the target Pad.

No.	Item name (Voice Guide)	Description	Range
23	Kit Voice Category	Lets you select the Voice Category of the target Pad. Each time you select a Voice Category via   buttons, you will hear the first Voice sound of the selected Voice Category,	Refer to the Voice Category List .

24	Kit Voice Number	Lets you select the Voice of the target PadEach time you select a Voice via  buttons, you will hear the audition sound,.	Refer to the Voice List .
25	Kit Voice Volume	Adjusts the volume of the target Pad.	0–127
26	Kit Voice Pan	Adjusts the stereo pan position of the target Pad.	Left 63–Center–Right 63
27	Kit Voice Tuning	Lets you tune the pitch of the target Pad (1.0=100cent=semitone). For a snare drum, the higher the value the higher the pitch tuning. For cymbals, the lower the value the larger the diameter.	-24.0–0.0–+24.0
28	Kit Voice Decay	Adjusts the Decay time (in which the volume decays from maximum attack level) of the target Pad. For snare drums, lower values produce an effect that mutes the head. For cymbals, lower values produce an effect that shortens the sustain. For the hi-hat open, a smaller value produces an effect that the half-open will be more closed.	-64–0
29	Kit Voice Cutoff	Adjusts the Filter Cutoff Frequency applied to the Voice of the target Pad.	-64–0–+63
30	Kit Voice Resonance	Adjusts the Filter Resonance applied to the Voice of the target Pad.	-64–0–+63
31	Kit Voice Reverb Send	Adjusts the Reverb Send Level (or depth) applied to the Voice of the target Pad. The actual depth is this value multiplied by the value for "  Menu 12 Kit Reverb Send ."	0–127
32	Kit Voice Chorus Send	Adjusts the Chorus Send Level (or depth) applied to the Voice of the target Pad. The actual depth is this value multiplied by the value for "  Menu 13 Kit Chorus Send ."	0–127
33	Kit Voice Variation Send	Adjusts the Variation Send Level (or depth) applied to the Voice of the target Pad. The actual depth is this value multiplied by the value for "  Menu 14 Kit Variation Send ."	0–127

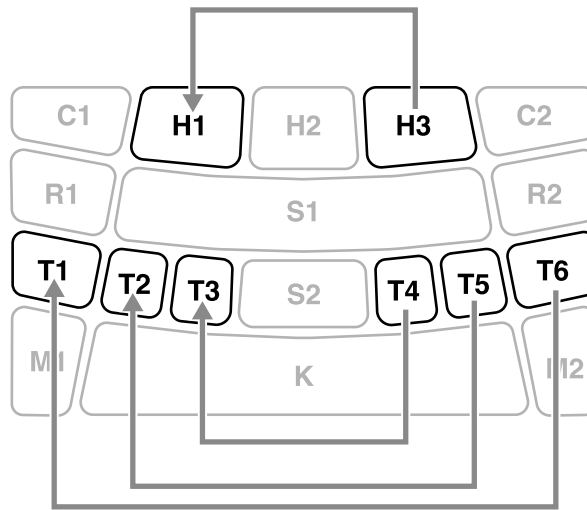
[34] Setting Interlock for left-right symmetrical Pads

No.	Item name (Voice Guide)	Description	Range
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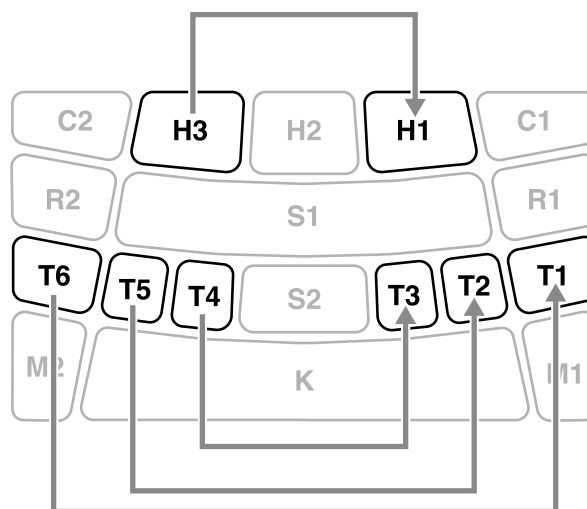
Kit Interlock Edit

Determines whether changing the Kit settings will also change the settings of the Pads on the other side of the symmetrical pairs (H1 and H3, T1 and T6, T2 and T5, T3 and T4) (On) or not (Off). If you switch the setting from "Off" to "On", the Pads of each symmetrical pair will have the same settings, as shown below.


- When "⚙️ Menu 59 [Utility Pad Layout](#)" = "Right," the settings of the right Pad of a symmetrical pair will be applied to the left Pad.


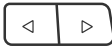






- When "⚙️ Menu 59 [Utility Pad Layout](#)" = "Left," the settings of the left Pad of a symmetrical pair will be applied to the right Pad.




[35] Initializing the current Kit

No.	Item name (Voice Guide)	Description
35	Kit Initialize	Lets you initialize the settings of  Menu 10-34 of the currently selected Kit.

1. Use the  buttons to select the desired Kit.
2. Use the  buttons to select “ Menu 35 Kit Initialize.”
3. Press the  button.
The Voice Guide confirms whether the settings will be initialized.
To exit from this operation, press the  button.
4. Press the  button again.
The settings of the Kit selected in Step1 will be initialized.

[36–52] Trigger

⚙ Menu 36 lets you select the Trigger while ⚙ Menu 36–52 let you make the settings for the currently selected Trigger. After using  buttons to select an item, the Voice Guide announces the item name by starting from the number then “Trigger.”

- The default values of ⚙ Menu 37–52 will differ depending on each Trigger.
- Regarding ⚙ Menu 37–52, hit the target Pad, then make the settings.







[36] Selecting a Trigger

No.	Item name (Voice Guide)	Description	Range	No.
36	Trigger Select	See this page .	1–12	1

Trigger List

No.	Trigger name (Voice Guide)	Description
1	Normal Tx	For all Pads, “ ⚙ Menu 43 Trigger Note Velocity Curve ” and “ ⚙ Menu 50 Trigger After Touch Curve ” are set to “Normal.” For all Pads, “ ⚙ Menu 38 Trigger MIDI Note Number ” is set based on the GM (General MIDI) Drum Map. These settings are for controlling the external tone generator via the MIDI transmission from this product.
2	Loud 1 Tx	For all Pads, “ ⚙ Menu 43 Trigger Note Velocity Curve ” and “ ⚙ Menu 50 Trigger After Touch Curve ” are set to “Loud1.” For all Pads, “ ⚙ Menu 38 Trigger MIDI Note Number ” is set based on the GM (General MIDI) Drum Map. These settings are for controlling the external tone generator via the MIDI transmission from this product.
3	Loud 2 Tx	For all Pads, “ ⚙ Menu 43 Trigger Note Velocity Curve ” and “ ⚙ Menu 50 Trigger After Touch Curve ” are set to “Loud2.” For all Pads, “ ⚙ Menu 38 Trigger MIDI Note Number ” is set based on the GM (General MIDI) Drum Map. These settings are for controlling the external tone generator via the MIDI transmission from this product.

4	Hard 1 Tx	For all Pads, “  Menu 43 Trigger Note Velocity Curve ” and “  Menu 50 Trigger After Touch Curve ” are set to “Hard1.” For all Pads, “  Menu 38 Trigger MIDI Note Number ” is set based on the GM (General MIDI) Drum Map. These settings are for controlling the external tone generator via the MIDI transmission from this product.
5	Hard 2 Tx	For all Pads, “  Menu 43 Trigger Note Velocity Curve ” and “  Menu 50 Trigger After Touch Curve ” are set to “Hard2.” For all Pads, “  Menu 38 Trigger MIDI Note Number ” is set based on the GM (General MIDI) Drum Map. These settings are for controlling the external tone generator via the MIDI transmission from this product.
6	Fixed Tx	For all Pads, “  Menu 42 Trigger Note Velocity Fixed Value ” and “  Menu 49 Trigger After Touch Fixed Value ” is set to “127.” For all Pads, “  Menu 38 Trigger MIDI Note Number ” is set based on the GM (General MIDI) Drum Map. These settings are for controlling the external tone generator via the MIDI transmission from this product.
7	Normal Rx	For all Pads, “  Menu 43 Trigger Note Velocity Curve ” and “  Menu 50 Trigger After Touch Curve ” are set to “Normal.” For all Pads, “  Menu 38 Trigger MIDI Note Number ” is set so that the numbers are ordered sequentially. These settings are for controlling the tone generator of this product from an external device via MIDI.
8	Loud 1 Rx	For all Pads, “  Menu 43 Trigger Note Velocity Curve ” and “  Menu 50 Trigger After Touch Curve ” are set to “Loud1.” For all Pads, “  Menu 38 Trigger MIDI Note Number ” is set so that the numbers are ordered sequentially. These settings are for controlling the tone generator of this product from an external device via MIDI.
9	Loud 2 Rx	For all Pads, “  Menu 43 Trigger Note Velocity Curve ” and “  Menu 50 Trigger After Touch Curve ” are set to “Loud2.” For all Pads, “  Menu 38 Trigger MIDI Note Number ” is set so that the numbers are ordered sequentially. These settings are for controlling the tone generator of this product from an external device via MIDI.
10	Hard 1 Rx	For all Pads, “  Menu 43 Trigger Note Velocity Curve ” and “  Menu 50 Trigger After Touch Curve ” are set to “Hard1.” For all Pads, “  Menu 38 Trigger MIDI Note Number ” is set so that the

		numbers are ordered sequentially. These settings are for controlling the tone generator of this product from an external device via MIDI.
11	Hard 2 Rx	For all Pads, “  Menu 43 Trigger Note Velocity Curve ” and “  Menu 50 Trigger After Touch Curve ” are set to “Hard2.” For all Pads, “  Menu 38 Trigger MIDI Note Number ” is set so that the numbers are ordered sequentially. These settings are for controlling the tone generator of this product from an external device via MIDI.
12	Fixed Rx	For all Pads, “  Menu 42 Trigger Note Velocity Fixed Value ” and “  Menu 49 Trigger After Touch Fixed Value ” is set to “127.” For all Pads, “  Menu 38 Trigger MIDI Note Number ” is set so that the numbers are ordered sequentially. These settings are for controlling the tone generator of this product from an external device via MIDI.

[37–39] MIDI related settings


No.	Item name (Voice Guide)	Description	Range
37	Trigger MIDI Channel	Determines the MIDI channel when the operation information of the target Pad will be transmitted or received as MIDI messages.	1–16
38	Trigger MIDI Note Number	Determines the MIDI note number when the operation information of the target Pad will be transmitted or received as MIDI messages.	1(C#-2)– 127(G8)
39	Trigger MIDI Receive Pad	Determines whether to consider (On) or not (Off) that the target Pad has been actually operated when a MIDI message with the MIDI note number and MIDI channel of the target Pad is received.	Off, On

[40] Common settings for Note and Aftertouch

No.	Item name (Voice Guide)	Description	Range
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40	Trigger A/D Gain	Determines how much to amplify how hard the target Pad is hit before converting it to Velocity or Aftertouch. To obtain a wide dynamic range, set the value so that your maximum hitting strength is equivalent to the maximum Velocity and Aftertouch.	0–127
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[41–45] Note On related settings









No.	Item name (Voice Guide)	Description	Range
41	Trigger Note Output	Determines whether the MIDI note message of the target Pad is transmitted "On" or not "Off".	Off, On
42	Trigger Note Velocity Fixed Value	Determines the MIDI Velocity when hitting the target Pad. When set to any value from 1 to 127, the selected value is transmitted as the MIDI Velocity for the target Pad regardless of how hard the Pad is hit. When set to Off, the MIDI Velocity is determined according to how hard the Pad is hit. The relationship between how hard the Pad is hit and the MIDI Velocity will be determined by "  Menu 43 Trigger Note Velocity Curve."	Off, 1–127
43	Trigger Note Velocity Curve	Selects a Velocity Curve that determines the Velocity value relative to how hard the target Pad is hit.	Loud 2, Loud 1, Normal, Hard 1, Hard 2, Fixed 1–5, Spline 1 1–15, Spline 2 1–25, Offset 1–5
44	Trigger Note Velocity Minimum	Determines the lower limit of the MIDI Velocity for the target Pad. No matter how softly the Pad is hit, a MIDI Velocity greater than the value set here will be generated.	1–127
45	Trigger Note Velocity Maximum	Determines the upper limit of the MIDI Velocity of the target Pad. No matter how strongly the Pad is hit, a MIDI Velocity less than the value set here will be generated.	1–127

[46–52] MIDI Aftertouch

No.	Item name (Voice Guide)	Description	Range
46	Trigger After Touch Output	Determines whether MIDI Aftertouch is transmitted ("On") or not ("Off"). for the target Pad.	Off, On
47	Trigger After Touch Type	Determines whether Channel or Polyphonic is transmitted as a MIDI Aftertouch message for the target Pad.	Channel, Poly
48	Trigger After Touch Priority	Determines whether a MIDI Note message is output (Low) or not (High) by hitting the target Pad while the Aftertouch of the target Pad is being output.	Low, High
49	Trigger After Touch Fixed Value	Determines the Aftertouch strength of the specific Pad. When set to any value from 1 to 127, the selected value is transmitted as the Aftertouch strength for the target Pad regardless of how hard the Pad is pressed further. When set to Off, the Aftertouch strength is determined according to how hard the Pad is pressed further. The relationship between how hard the Pad is pressed further and the Aftertouch value will be determined by "50 Trigger After Touch Curve."	Off, 1–127
50	Trigger After Touch Curve	Selects an Aftertouch Curve for the target Pad.	Loud 2, Loud 1, Normal, Hard 1, Hard 2, Fixed 1–5, Spline 1 1–15, Spline 2 1–25, Offset 1–5
51	Trigger After Touch Minimum	Determines the lower limit of the MIDI Aftertouch value for the target Pad. No matter how softly the Pad is pressed further, a MIDI Aftertouch value greater than the value set here will be generated.	1–127
52	Trigger After Touch Maximum	Determines the upper limit of the MIDI Aftertouch value for the target Pad. No matter how strongly the Pad is pressed further, a MIDI Aftertouch value less than the value set here will be generated.	1–127









[53] Initializing the current Trigger

No.	Item name (Voice Guide)	Description
53	Trigger Initialize	Lets you initialize the settings of  Menu 37–52 for the currently selected Trigger.

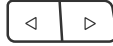
1. Use the  buttons to select “  Menu 36 Trigger Select.”
2. Use the  buttons to select the target Trigger.
3. Use the  buttons to select “  Menu 53 Trigger Initialize.”
4. Press the  button.
The Voice Guide confirms whether the settings will be initialized.
To exit from this operation, press  button.
5. Press the  button again.
The settings of the Trigger selected in Step2 will be initialized.

[54] Initializing the Registration Memory

No.	Item name (Voice Guide)	Description
54	Registration Memory Initialize	Lets you initialize the settings registered to the currently selected Registration Memory button.

- 1.** To select the target Registration Memory to be initialized, hold down either of the   buttons for a while. The current settings of this product will be maintained because this operation is the registration process.
- 2.** Use the   buttons to select “ Menu 54 Registration Memory Initialize.”
- 3.** Press the  button.
The Voice Guide confirms whether the settings will be initialized.
To exit from this operation, press  button.
- 4.** Press the  button again.
The settings of the Registration Memory selected in Step1 will be initialized.

[55–62] Utility

⚙️ Menu 55–62 lets you make other useful settings. After using the  buttons to select an item, the Voice Guide announces the item name by starting from the number then “Utility.”

[55–56] Sound Output

No.	Item name (Voice Guide)	Description	Range	Default Value
55	Utility Speaker EQ/Compressor Type	<p>Determines the type of EQ (equalizer) and compressor applied to the sound output from the built-in speaker.</p> <p>Standard This is the standard setting.</p> <p>Heavy This setting emphasizes low frequencies. It creates a very powerful sound.</p> <p>Bright This setting emphasizes high frequencies. It creates a very bright sound.</p> <p>Mild This setting attenuates high frequencies. It creates a gentle listening experience.</p> <p>Powerful This setting uses a strong compressor. It creates a sense of sound pressure.</p>	Standard, Heavy, Bright, Mild, Powerful	Standard

56	Utility Speaker Output	<p>Determines whether to output audio from the built-in speaker.</p> <p>Off Audio is not output from the built-in speaker, regardless of whether or not an external audio device is connected to the [PHONE/OUTPUT] jack.</p> <p>Headphone Switch Audio is not output from the built-in speaker when an external audio device is connected to the [PHONES/OUTPUT] jack, and audio is output from the built-in speaker when an external audio device is not connected to the [PHONES/OUTPUT] jack.</p> <p>On Audio is output from the built-in speaker, regardless of whether or not an external audio device is connected to the [PHONE/OUTPUT] jack.</p>	Off, Headphone Switch, On	Headphone Switch
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[57–58] USB Audio

No.	Item name (Voice Guide)	Description	Range	Default Value
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57	Utility USB Audio Loopback	<p>Determines whether the audio signal input via the [USB TO HOST] terminal is sent back to the connected device again ("On") or not ("Off").</p> <p>When set to "On," an Audio Loopback (audio sent from an external device to this product is returned to the external device) is configured by connecting the [USB TO HOST] terminal to an external device such as a computer or smart device via USB.</p> <p>This allows you to mix music from an external device with your performance on this product and record that mix to a DAW.</p>	Off, On	On
58	Utility USB Audio Output Gain	<p>Determines the amount of volume amplification when outputting audio to an external device connected via USB. A positive value increases the volume while a negative value decreases the volume.</p>	-18, -12, -6, 0, +6, +12, +18	0 dB



Loop connection

Noise might be generated when a single computer or smart device is connected to both the [AUX IN] jack and the [USB TO HOST] terminal (loop connection). If this occurs, try the following troubleshooting steps.

- Disconnect the cable from the [AUX IN] jack and use only the USB cable for audio communication.
- If you are using a USB cable to charge this product, be sure to connect it to a USB adapter or other power source instead of a computer or smart device.



[59–62] Other settings

No.	Item name (Voice Guide)	Description	Range	Default Value
59	Utility Pad Layout	Inverts the Pad numbers between the left and right sides of the product. "Left" is for playing primarily with your left hand while "Right" is for playing primarily with your right hand.	Left, Right	Right

60	Utility Audition Velocity	Determines the Velocity of the audition sound that is played back when the Pad sound (Voice) is changed in "  Menu 23 Kit Voice Category " or "  Menu 24 Kit Voice Number ".	Off, 1–127	100
61	Utility Local Control	Determines whether the Pad controls the internal tone generator (ON) or not (OFF). If you are using only an external MIDI tone generator connected via USB, set this item to "Off."	Off, On	On
62	Utility Auto Power Off Time	To prevent unnecessary power consumption, the power is automatically turned off after a certain period of inactivity. This lets you set the time that elapses before the power is automatically turned off. See this page for details.	Disabled, 5, 10, 15, 30, 60, 120 minutes	30 minutes

[63] Factory Reset

No.	Item name (Voice Guide)	Description
63	Factory Reset	Initializes all the settings of the product.

1. Use the   buttons to select “ Menu 63 Factory Reset.”

2. Press the  button.




The Voice Guide confirms whether the settings will be initialized.

Press the  button to cancel this operation.

3. Press the  button again.

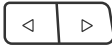

All the settings of the product will be initialized.

Executing a factory reset when turning the power on

You can also execute a factory reset when turning the power on. If you press  button while simultaneously holding down  and , the left side (blue) of the [Standby/On] indicator flashes five times and the product will start up with all items reset to their factory settings.

[64] Firmware Version

No.	Item name (Voice Guide)	Description
64	Version	The firmware version of this product is announced via the Voice Guide.

1. Use the  buttons to select “ Menu 64 Version.”

2. Press the  button.

The firmware version will be announced via the Voice Guide.

Specifications

Product Name		FGDP-30	
Size/Weight	Dimensions (W x D x H)	223 × 195 × 49 mm	
	Weight	1.0 kg	
Pads	Drum Pads	18	
	Trigger Settings	Preset	12
		User	Preset overwrite
	After Touch	Polyphonic, Channel	
Other Interfaces	Voice Guide	English	
Tone Generator	Type	AWM2	
	Polyphony (max.)	64	
Kits	Number of Kits	Preset	39
		User	Preset overwrite
	Kit Edit	Yes	
Voices	Number of Voices	1212	
Effects	Reverb	11	
	Chorus	10	
	Variation	23	
	Speaker EQ type	5	
Click	Tempo	30 – 300, Tap Tempo	
	Patterns	1/4, 1/4T, 1/8, 1/8T, 1/16, 1/16T, Clave	

Product Name		FGDP-30
	Beats	1 – 16
Registration Memory	Preset	2 Buttons × 1 Bank
	User	Preset overwrite
Connectivity	PHONES/OUTPUT	Stereo mini jack
	AUX IN	Stereo mini jack
	USB TO HOST	Micro B
Sound System	Amplifiers	2.5 W
	Built-in speaker	4 cm × 1
Power Supply	Power Supply	USB Power Adaptor 5 V/1.5 A or more USB BC compatible
	Internal Battery	1400 mAh, 4.5 Wh Approximately 3 hours
	Power Consumption	4 W

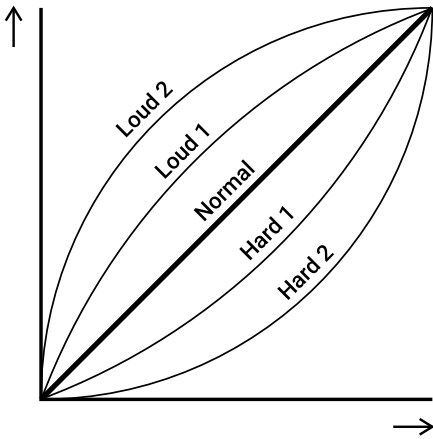
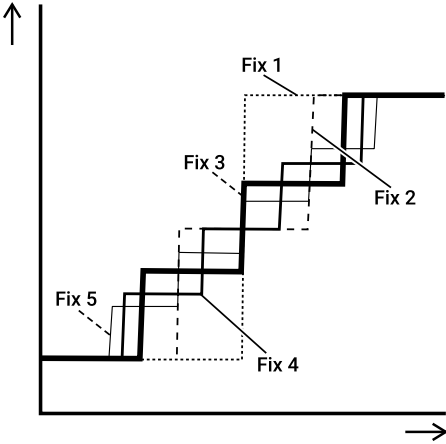
The content of this manual applies to the latest specifications as of the publishing date. Since specifications, equipment, or accessories that are sold separately might not be the same in every locale, please check with your Yamaha dealer.

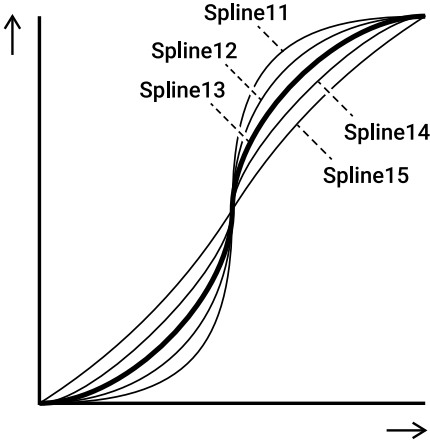
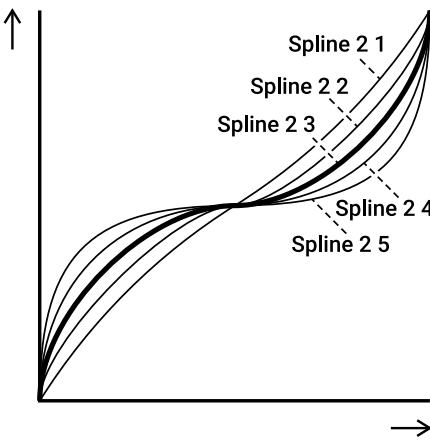
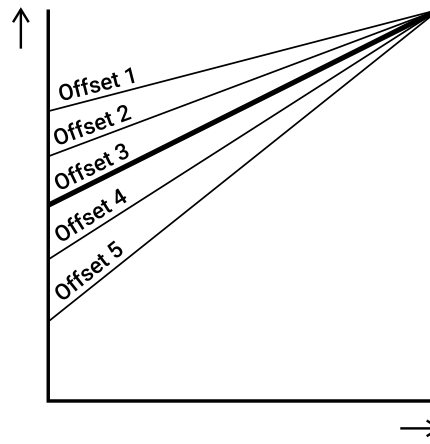
Appendix

Velocity Curve/Aftertouch Curve

These curves indicate the conversion of the strength with which a Pad is operated to a numerical value. The horizontal axis indicates how hard a Pad is operated (how hard the Pad is hit or pressed further) and the vertical axis indicates the corresponding numerical value (Velocity or Aftertouch). This product features 25 curve types that are the same for both Velocity and Aftertouch. The desired curve can be selected as a Trigger setting item below.

- Selecting a Velocity Curve ⚙ Menu 43 [Trigger Note Velocity Curve](#)
- Selecting an Aftertouch Curve ⚙ Menu 50 [Trigger After Touch Curve](#)

Setting values (Voice Guide)	Velocity Curve/Aftertouch Curve
Loud 2 Loud 1 Normal Hard1 Hard 2	
Fix 1 Fix 2 Fix 3 Fix 4 Fix 5	

Setting values (Voice Guide)	Velocity Curve/Aftertouch Curve
Spline 1 1 Spline 1 2 Spline 1 3 Spline 1 4 Spline 1 5	
Spline 2 1 Spline 2 2 Spline 2 3 Spline 2 4 Spline 2 5	
Offset 1 Offset 2 Offset 3 Offset 4 Offset 5	

Content List

The content included in this product is shown below. Links are to related information in

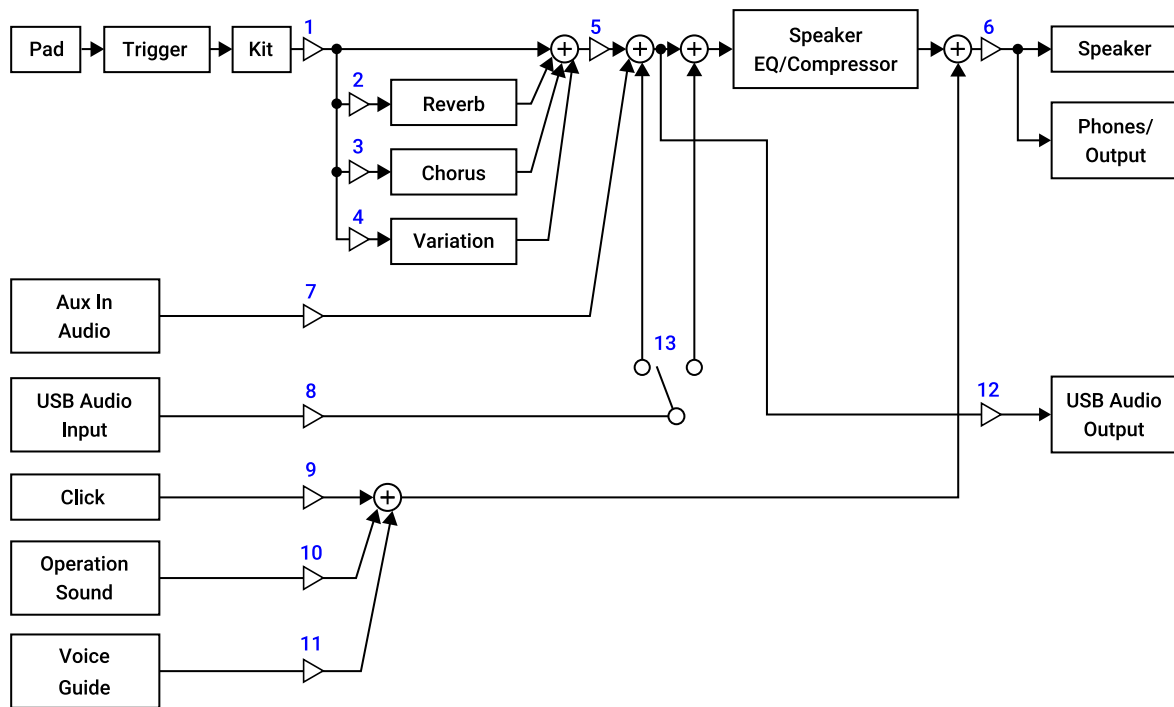
this User Guide.

- [Kit List](#)
- [Voice Category List](#)
- Voice List
- Effect Type Lists ([Reverb](#), [Chorus](#), and [Variation](#))
- [Trigger List](#)

The materials listed above, except for the Trigger List, can be downloaded from the Yamaha website. On the Yamaha Downloads site, enter “FGDP” in the Model Name box and then execute the Search.

Yamaha Downloads <https://download.yamaha.com/>

Block Diagram



1. Voice Volume
2. Voice Reverb Send, Kit Reverb Send
3. Voice Chorus Send, Kit Chorus Send
4. Voice Variation Send, Kit Variation Send
5. Kit Volume
6. Speaker Volume, Phones/Output Volume
7. Aux In Audio Volume
8. USB Audio Volume
9. Click Volume
10. Operation Sound Volume
11. Voice Guide Volume
12. USB Audio Output Gain
13. USB Audio Loopback





MIDI

MIDI is a protocol that is used for communication between digital instruments. By connecting your digital instruments, your music performance on one MIDI instrument can be heard via another MIDI tone generator.

Transmission and reception of MIDI messages of a musical performance

This product lets you receive and transmit MIDI messages from/to an external device via the included USB cable. MIDI messages (generated via your Pad performance) transmitted from this product will play the tone generator in the connected external device, and MIDI messages transmitted from an external device will play the tone generator of this product.

NOTE

- This product lets you call up the MIDI related settings by selecting a Trigger. See [this page](#) for how to select a Trigger and [this page](#) for the Trigger List. After selecting a Trigger, you can further change the MIDI settings in the following items.
 -  Menu 37-39 [MIDI related settings](#)
 -  Menu 40 [Common settings for Note and Aftertouch](#)
 -  Menu 41-45 [Note On related settings](#)
 -  Menu 46-52 [MIDI Aftertouch](#)

MIDI Reference

This product provides the following MIDI Reference materials.

- MIDI Implementation Chart
- MIDI Channel Message
- MIDI System Exclusive Message

The MIDI Reference can be downloaded from the Yamaha website. On the Yamaha Downloads site, enter “FGDP” in the Model Name box and then execute the Search.


Yamaha Downloads <https://download.yamaha.com/>








Troubleshooting

Power Source

Problem	Cause	Solution
The power cannot be turned on.	The remaining Battery life is low.	Charge this product according to the instructions on this page .
The power turns off unexpectedly.	The remaining Battery life is low.	Charge this product according to the instructions on this page .
	The Auto Power Off has just been activated.	Make the appropriate settings such as disabling the Auto Power Off function and set the "Auto Power Off Time" to a longer time according to the instructions on this page .
The power turns off unexpectedly even while charging.	A loud sound is being output from the built-in speaker while charging the battery with a low current via a USB connection between the product and a computer, for example.	First, follow the instructions on this page about how to charge the battery. Next, instead of the built-in speaker, use the [PHONES/OUTPUT] jack as the sound output destination by connecting an external audio device as described on this page .








No sound or too small volume

Problem	Cause	Solution
No sound	The product is set so that sound is not output from the built-in speaker.	Set "56 Utility Speaker Output " to a value other than "Off."
	An audio cable is connected to the [PHONES/OUTPUT] jack.	Unplug the cable from the [PHONES/OUTPUT] jack, or check the setting for "  Menu 56 Utility Speaker Output "
	The volume setting might be too low.	Based on the explanations on this page , make the appropriate settings such as increasing the volume.

	The current Trigger might include settings in which the Pad produces no sound.	Set "  Menu 40 Trigger A/D Gain " to a higher value. Set "  Menu 41 Trigger Note Output " to "On." Set "  Menu 42 Trigger Note Velocity Fixed Value " to "Off" or a higher value. Set "  Menu 46 Trigger After Touch Output " to "On." Set "  Menu 49 Trigger After Touch Fixed Value " to "Off" or a higher value.
	"  Menu 61 Utility Local Control " is set to "Off.	Set "  Menu 61 Utility Local Control " to "On."

Unexpected Sound or Operations

Problem	Cause	Solution
Noise occurs.	A loop connection is configured due to a USB connection with an external device such as a computer.	See this page .
	A smart device or tablet is near the product.	Turn on the Airplane mode of the smart device.
There is not a good volume balance between each of the sound parts.	The volume of some parts is louder (or quieter).	Based on the explanations on this page , make the appropriate settings such as increasing the volume.
No Effect is applied even if the Effect depth (Send Level) is set to a high value.	Regarding the Effect depth, either the overall Kit setting or the settings for each Pad (Voice setting) are too low.	Set the Effect Send Level for both the Entire Kit settings and Voice settings to a higher value. For Kit settings, see this page . For Voice settings, see this page .

<p>The Velocity of the Note On does not increase (decrease) even if hitting the Pad strongly (softly).</p>	<p>The setting of the current Trigger does not match how hard the Pad is being hit.</p>	<p>Select another Trigger by following the instructions on this page. Otherwise, try changing the following values.</p> <ul style="list-style-type: none"> • “ Menu 42 Trigger Note Velocity Fixed Value” and “ Menu 43 Trigger Note Velocity Curve” for each Pad • “ Menu 44 Trigger Note Velocity Minimum” and “ Menu 45 Trigger Note Velocity Maximum” for each Pad • “ Menu 40 Trigger A/D Gain” for each Pad
<p>The Pad setting for the current Kit has been changed somehow.</p>	<p>“ Menu 34 Kit Interlock Edit” is set to “On.”</p>	<p>Set “ Menu 34 Kit Interlock Edit” to “Off.”</p>
<p>The button does not work.</p>	<p>The Panel Lock function is enabled.</p>	<p>Disable the Panel Lock function as described on this page.</p>

Others

Problem	Cause	Solution
<p>This product is not recognized on the smart device even though the product and smart device are connected via USB.</p>	<p>Some smart devices might misidentify themselves as the host (discharge side) and automatically disconnect.</p>	<p>Unplug the cable and plug it back in. For details about the USB connection between this product and the smart device/computer, see this page.</p>