

Clavinova®

Owner's Manual

CSP-170

Mode d'emploi

CSP-150

Manual de instrucciones

Thank you for purchasing this Yamaha Clavinova!

We recommend that you read this manual carefully so that you can fully take advantage of the advanced and convenient functions of the instrument. We also recommend that you keep this manual in a safe and handy place for future reference.

Before using the instrument, be sure to read "PRECAUTIONS" on pages 5-6.

For information on assembling the instrument, refer to the instructions at the end of this manual.

Nous vous remercions d'avoir choisi le Clavinova de Yamaha !

Nous vous conseillons de lire attentivement ce mode d'emploi afin de tirer pleinement profit des fonctions avancées et pratiques de votre instrument. Nous vous recommandons également de garder ce manuel à portée de main pour toute référence ultérieure.

Avant d'utiliser l'instrument, lisez attentivement la section « PRÉCAUTIONS D'USAGE » aux pages 5 et 6.

Pour plus d'informations sur l'assemblage de l'instrument, reportez-vous aux instructions figurant à la fin de ce manuel.

Gracias por adquirir el Yamaha Clavinova

La lectura detenida de este manual le permitirá disfrutar de las útiles y avanzadas funciones del instrumento.

Recomendamos guardar el manual en un lugar seguro y accesible, para futuras consultas.

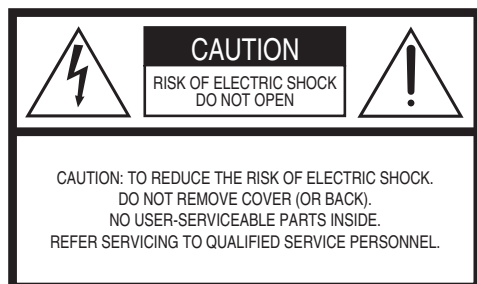
Antes de utilizar el instrumento, lea las "PRECAUCIONES", en las páginas 5-6.

Para obtener más información sobre el montaje del instrumento, consulte las instrucciones que encontrará al final de este manual.

English 
Français 
Español 

SPECIAL MESSAGE SECTION

PRODUCT SAFETY MARKINGS: Yamaha electronic products may have either labels similar to the graphics shown below or molded/stamped facsimiles of these graphics on the enclosure. The explanation of these graphics appears on this page. Please observe all cautions indicated on this page and those indicated in the safety instruction section.



See bottom of Keyboard enclosure for graphic symbol markings.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



The lightning flash with arrowhead symbol, within the equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock.

IMPORTANT NOTICE: All Yamaha electronic products are tested and approved by an independent safety testing laboratory in order that you may be sure that when it is properly installed and used in its normal and customary manner, all foreseeable risks have been eliminated. DO NOT modify this unit or commission others to do so unless specifically authorized by Yamaha. Product performance and/or safety standards may be diminished. Claims filed under the expressed warranty may be denied if the unit is/has been modified. Implied warranties may also be affected.

SPECIFICATIONS SUBJECT TO CHANGE: The information contained in this manual is believed to be correct at the time of printing. However, Yamaha reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

ENVIRONMENTAL ISSUES: Yamaha strives to produce products that are both user safe and environmentally friendly. We sincerely believe that our products and the production methods used to produce them, meet these goals. In keeping with both the letter and the spirit of the law, we want you to be aware of the following:

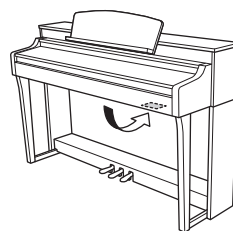
Battery Notice: This product MAY contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

Warning: Do not attempt to recharge, disassemble, or incinerate this type of battery. Keep all batteries away from children. Dispose of used batteries promptly and as regulated by applicable laws. Note: In some areas, the servicer is required by law to return the defective parts. However, you do have the option of having the servicer dispose of these parts for you.

Disposal Notice: Should this product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc.

NOTICE: Service charges incurred due to lack of knowledge relating to how a function or effect works (when the unit is operating as designed) are not covered by the manufacturer's warranty, and are therefore the owners responsibility. Please study this manual carefully and consult your dealer before requesting service.

NAME PLATE LOCATION: The graphic below indicates the location of the name plate. The model number, serial number, power requirements, etc., are located on this plate. You should record the model number, serial number, and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.



Model _____

Serial No. _____

Purchase Date _____

FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2. IMPORTANT:

When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE:

This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not

guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA90620

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.

(class B)

COMPLIANCE INFORMATION STATEMENT (DECLARATION OF CONFORMITY PROCEDURE)

Responsible Party : Yamaha Corporation of America
Address : 6600 Orangethorpe Ave., Buena Park, Calif. 90620
Telephone : 714-522-9011
Type of Equipment : Digital Piano
Model Name : CSP-170/CSP-150

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference, and
- 2) this device must accept any interference received including interference that may cause undesired operation.

See user manual instructions if interference to radio reception is suspected.

* This applies only to products distributed by
YAMAHA CORPORATION OF AMERICA.

(FCC DoC)

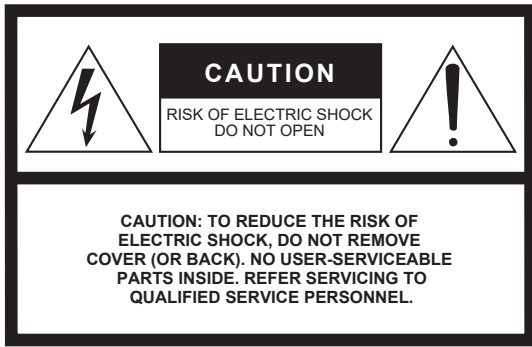
OBSERVERA!

Apparaten kopplas inte ur växelströmskällan (nätet) så länge som den är ansluten till vägguttaget, även om själva apparaten har stängts av.

ADVARSEL: Netspændingen til dette apparat er IKKE afbrudt, så længe netledningen sidder i en stikkontakt, som er tændt — også selvom der er slukket på apparatets afbryder.

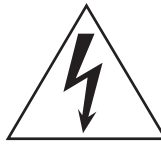
VAROITUS: Laitteen toisiopiiriin kytketty käyttökytin ei irroita koko laitetta verkosta.

(standby)



The above warning is located on the bottom of the unit.

Explanation of Graphical Symbols




The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

IMPORTANT SAFETY INSTRUCTIONS

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING

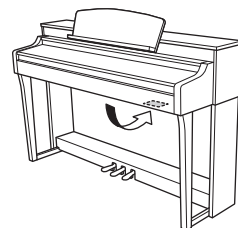
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

(UL60065_03)

The model number, serial number, power requirements, etc., may be found on or near the name plate, which is at the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model No.

Serial No.



The name plate is located on the bottom of the unit.

(bottom_en_01)

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe and handy place for future reference.



WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Power supply/Power cord

- Do not place the power cord near heat sources such as heaters or radiators. Also, do not excessively bend or otherwise damage the cord, or place heavy objects on it.
- Only use the voltage specified as correct for the instrument. The required voltage is printed on the name plate of the instrument.
- Use only the supplied power cord/plug.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.

Do not open

- This instrument contains no user-serviceable parts. Do not open the instrument or attempt to disassemble or modify the internal components in any way. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel.

Water warning

- Do not expose the instrument to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the instrument, turn off the power immediately and unplug the power cord from the AC outlet. Then have the instrument inspected by qualified Yamaha service personnel.
- Never insert or remove an electric plug with wet hands.

Fire warning

- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

If you notice any abnormality

- When one of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet. Then have the device inspected by Yamaha service personnel.
 - The power cord or plug becomes frayed or damaged.
 - It emits unusual smells or smoke.
 - Some object has been dropped into the instrument.
 - There is a sudden loss of sound during use of the instrument.



CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the instrument or other property. These precautions include, but are not limited to, the following:

Power supply/Power cord

- Do not connect the instrument to an electrical outlet using a multiple-connector. Doing so can result in lower sound quality, or possibly cause overheating in the outlet.
- When removing the electric plug from the instrument or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.
- Remove the electric plug from the outlet when the instrument is not to be used for extended periods of time, or during electrical storms.

Assembly

- Read carefully the attached documentation explaining the assembly process. Failure to assemble the instrument in the proper sequence might result in damage to the instrument or even injury.

Location

- Do not place the instrument in an unstable position where it might accidentally fall over.
- When transporting or moving the instrument, always use two or more people. Attempting to lift the instrument by yourself may damage your back, result in other injury, or cause damage to the instrument itself.
- Before moving the instrument, remove all connected cables, to prevent damage to the cables or injury to anyone who might trip over them.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.

Connections

- Before connecting the instrument to other electronic components, turn off the power for all components. Before turning the power on or off for all components, set all volume levels to minimum.
- Be sure to set the volumes of all components at their minimum levels and gradually raise the volume controls while playing the instrument to set the desired listening level.

Handling caution

- Do not insert a finger or hand in any gaps on the key cover or instrument. Also take care that the key cover does not pinch your finger.
- Never insert or drop paper, metallic, or other objects into the gaps on the key cover, panel or keyboard. This could cause physical injury to you or others, damage to the instrument or other property, or operational failure.
- Do not rest your weight on, or place heavy objects on the instrument, and do not use excessive force on the buttons, switches or connectors.
- Do not use the instrument/device or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

Using the bench (If included)

- Do not place the bench in an unstable position where it might accidentally fall over.
- Do not play carelessly with or stand on the bench. Using it as a tool or stepladder or for any other purpose might result in accident or injury.
- Only one person should sit on the bench at a time, in order to prevent the possibility of accident or injury.
- For benches that can be adjusted, do not adjust the bench height while sitting on the bench, since this can cause excessive force to be imposed on the adjustment mechanism, possibly resulting in damage to the mechanism or even injury.
- If the bench screws become loose due to extensive long-term use, tighten them periodically using the specified tool in order to prevent the possibility of accident or injury.
- Keep special watch over any small children so that they don't fall off the rear of the bench. Since the bench does not have a backrest, unsupervised use may result in accident or injury.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the instrument, or data that is lost or destroyed.

Always turn the power off when the instrument is not in use.

Even when the [0] (Standby/On) switch is in standby status (power lamp is off), electricity is still flowing to the instrument at the minimum level.

When you are not using the instrument for a long time, make sure you unplug the power cord from the wall AC outlet.

NOTICE

To avoid the possibility of malfunction/damage to the product, damage to data, or damage to other property, follow the notices below.

■ Handling

- Do not use the instrument in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the instrument, TV, or radio may generate noise. When you use the instrument along with an application on your smart device, we recommend that you set “Airplane Mode” to “ON” and then the Wi-Fi setting to “ON” in order to avoid noise caused by communication.
- Do not expose the instrument to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration, damage to the internal components or unstable operation. (Verified operating temperature range: 5° – 40°C, or 41° – 104°F.)
- Do not place vinyl, plastic or rubber objects on the instrument, since this might discolor the panel or keyboard.
- In the case of a model with a polished finish, bumping the surface of the instrument with metal, porcelain, or other hard objects can cause the finish to crack or peel. Use caution.

■ Maintenance

- When cleaning the instrument, use a soft and dry/slightly damp cloth. Do not use paint thinners, solvents, alcohol, cleaning fluids, or chemical-impregnated wiping cloths.
- In the case of a model with a polished finish, gently remove dust and dirt with a soft cloth. Do not wipe too hard since small particles of dirt can scratch the instrument’s finish.
- During extreme changes in temperature or humidity, condensation may occur and water may collect on the surface of the instrument. If water is left, the wooden parts may absorb the water and be damaged. Make sure to wipe any water off immediately with a soft cloth.

■ Saving data

- Some data and settings are saved automatically (page 16). To protect against data loss due to some failure, and operation mistake, etc., save your important data to the smart device application “Smart Pianist.” You can back up the data and setting of this instrument to “Smart Pianist” as a backup file.

Information

■ About copyrights

- Copying of the commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.
- This product incorporates and bundles contents in which Yamaha owns copyrights or with respect to which Yamaha has license to use others’ copyrights. Due to copyright laws and other relevant laws, you are NOT allowed to distribute media in which these contents are saved or recorded and remain virtually the same or very similar to those in the product.
 - * The contents described above include a computer program, Accompaniment Style data, MIDI data, WAVE data, voice recording data, a score, score data, etc.
 - * You are allowed to distribute medium in which your performance or music production using these contents is recorded, and the permission of Yamaha Corporation is not required in such cases.

■ About functions/data bundled with the instrument

- Some of the preset songs have been edited for length or arrangement, and may not be exactly the same as the original.
- This device is capable of using various types/formats of music data by optimizing them to the proper format music data for use with the device in advance. As a result, this device may not play them back precisely as their producers or composers originally intended.

■ About this manual

- The illustrations and captures of application as shown in this manual are for instructional purposes only, and may appear somewhat different from those on your instrument.
- Apple, iTunes, Mac, Macintosh, iPhone, iPad, iPod touch, Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Android and Google Play are trademarks of Google Inc.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

■ Tuning

- Unlike an acoustic piano, this instrument does not need to be tuned by an expert (although the pitch can be user-adjusted to match other instruments). This is because the pitch of digital instruments is always maintained perfectly.

About the Manuals

This instrument has the following documents and instructional materials.

Included Documents



Owner's Manual (this book)

This document explains how to use the Clavinova.



Owner's Manual of USB wireless LAN adaptor

This document explains how to use the USB wireless LAN adaptor.
(May not be available depending on your area.)

Online Materials (Downloadable from the web)



Data List

This document contains lists of XG Voices and XG Drum Kit that can be selected on this instrument and the lists for effect parameters and MIDI-related information.



Computer-related Operations

Includes instructions on connecting this instrument to a computer.

To obtain these manuals, access the Yamaha Downloads website, select your country, enter "CSP-170" in the Model Name box, then click [Search].

Yamaha Downloads

<http://download.yamaha.com/>

Included Accessories

- Owner's Manual (this book)
- USB wireless LAN adaptor*
- Owner's Manual of USB wireless LAN adaptor*
- Online Member Product Registration
The "PRODUCT ID" on the sheet will be needed when you fill out the User Registration form.
- Power cord
- Bench*
- Warranty*
- USB cable (USB Type A – USB Type B)*
- USB conversion cable (USB Type B – USB Micro B / USB Type B – USB Type C)*

* May not be included depending on your area. Check with your Yamaha dealer.

NOTICE

Please put the USB cable and the USB conversion cable in a plastic bag when keeping them. Keeping with plastic or rubber products, it may cause of color transference or gluing to them.

Smart Device Application "Smart Pianist"

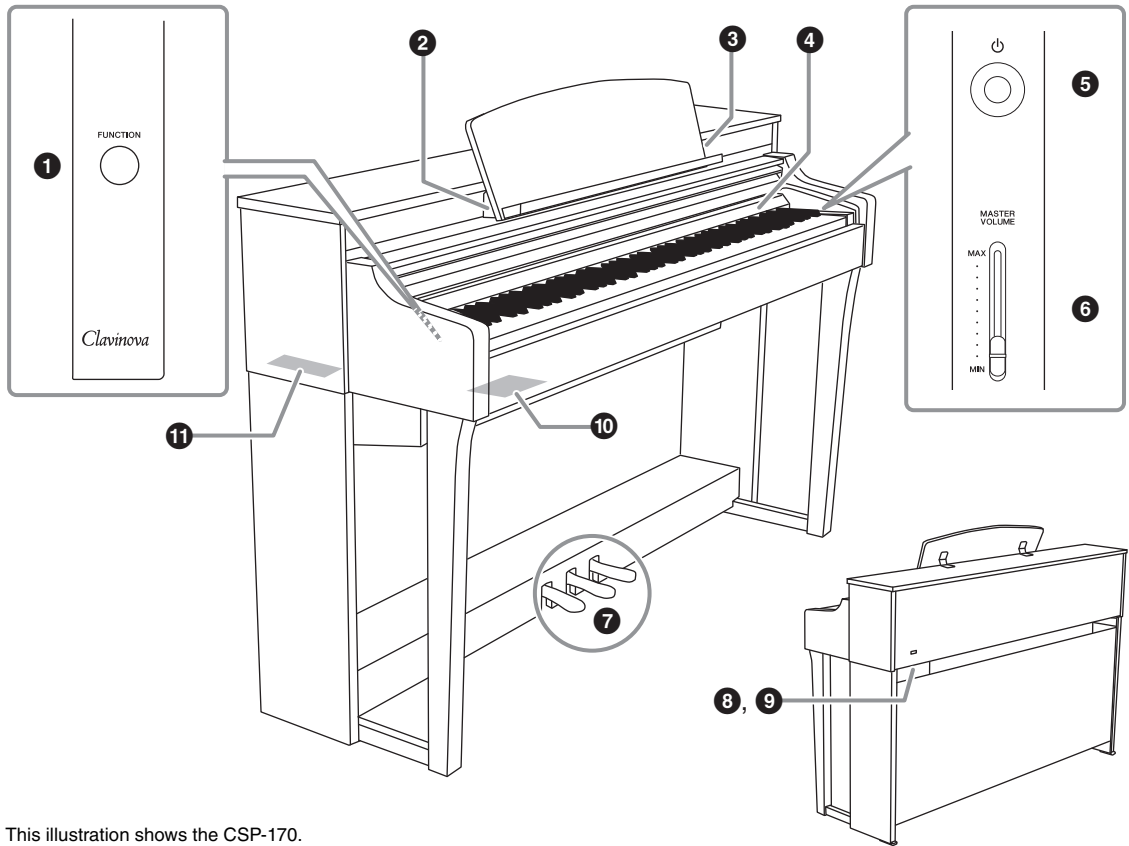
You can use the dedicated smart device application to enjoy various functions (page 20). This application corresponds to iOS and Android devices. For information on release dates and other details, see the website below.

<https://www.yamaha.com/kbdapps/>

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Panel Controls and Terminals



This illustration shows the CSP-170.

1 [FUNCTION] button (page 24)

Holding this down and pressing a specified key allows you to call up various functions.

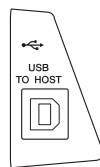
2 [USB TO HOST] terminal

For connecting to a smart device such as Android device or a computer. Refer to the Smart Pianist smart device app for connection to Android device.

For connection to a computer, refer to the online manual “Computer-related Operations” on the website.

NOTICE

Use an AB type USB cable of less than 3 meters. USB 3.0 cables cannot be used.

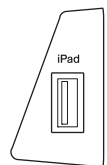


3 [iPad] terminal (page 22)

For connection to iOS device. This terminal can be charged iOS device. For the connection method, refer to the Instrument Menu in the Smart Pianist smart device app.

NOTICE

Use a Lightning - USB cable of less than 3 meters.



4 Stream Lights (page 23)

Indicates the notes you should play and when you should play them.

5 [⏻] (Standby/On) switch (page 14)

For turning the power on or setting it to standby.

6 [MASTER VOLUME] slider (page 17)

For adjusting the overall volume.

7 Pedals (page 19)

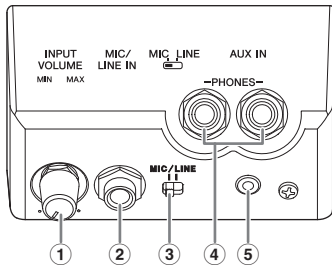
8 [AC IN] connector (page 36)

For connecting the power cord.

9 [PEDAL] jack (page 36)

For connecting the pedal cord.

10 I/O connectors (near side)



1 [INPUT VOLUME] knob (page 33)

For adjusting the input volume from microphone or other devices connected to [MIC/LINE IN] jacks.

2 [MIC/LINE IN] jack (page 33)

For inputting the sound of a microphone, another instrument, or audio player and listening to them through the built-in speakers of the Clavinova.

3 [MIC/LINE IN] switch (page 33)

For proper setting of the input from a microphone, another instrument or audio player.

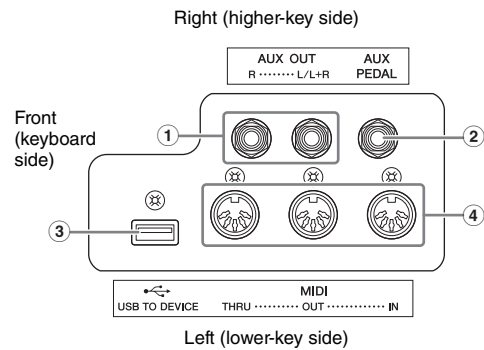
4 [PHONES] jacks (page 18)

For connecting a set of headphones.

5 [AUX IN] jack (page 32)

For inputting the sound of an audio player and listening to it through the built-in speakers of Clavinova.

11 I/O connectors (far side)



1 [AUX OUT [R], [L/L+R] jacks (page 32)

For outputting the sound of the Clavinova to an external speaker system.

2 [AUX PEDAL] jack (page 33)

For connection to a separately sold foot controller or foot switch.

3 [USB TO DEVICE] terminal (page 31)

This terminal allows connection to the supplied USB wireless LAN adaptor*.

*May not be included depending on your area.

Check with your Yamaha dealer.

4 MIDI [THRU], [OUT], [IN] terminals (page 34)

Use MIDI cables to connect external MIDI devices to these connectors.

CSP

– A New World of Piano Performance and Control with Smart Devices –

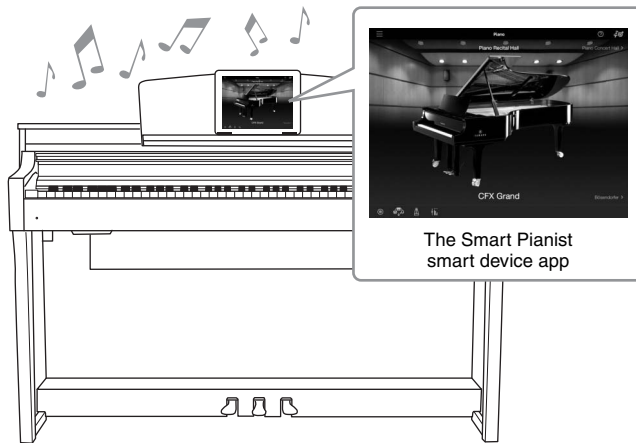
The Clavinova CSP series lets you use a dedicated smart device app for advanced, detailed control and convenient access to various functions, such as playing along with a favorite song, performing in an ensemble.

Get more fun out of your piano with your smart device

Connect the CSP and your smart device and use the smart device app “Smart Pianist” to enjoy various functions. Try installing the app right away!

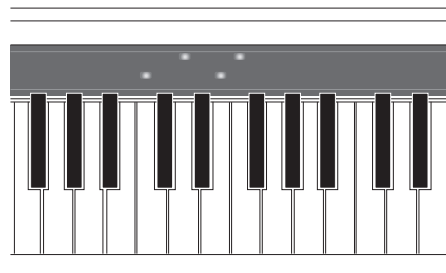
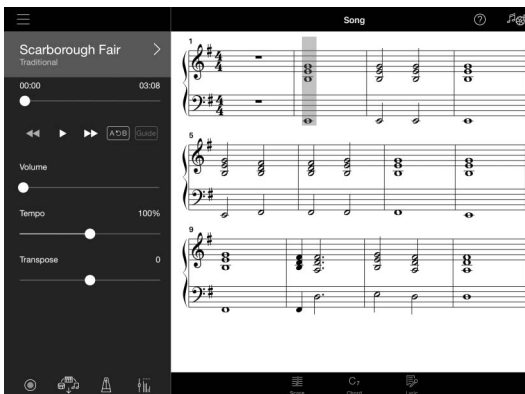
See the website below.

<https://www.yamaha.com/kbdapps/>



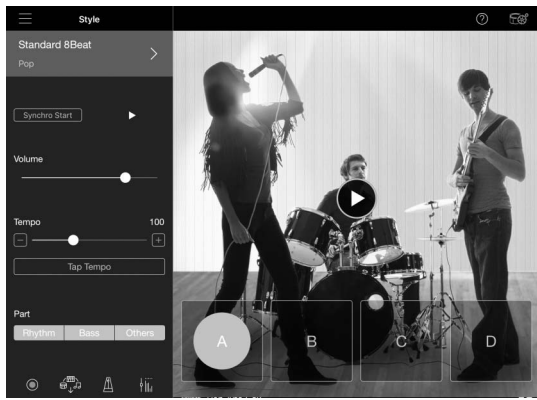
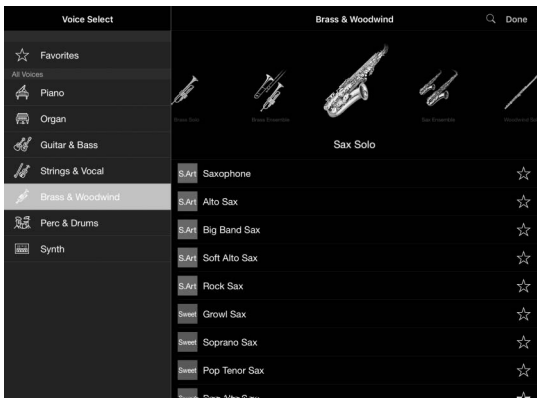
Play your favorite songs right away, with Audio To Score and Stream Lights functions

The app includes an Audio To Score function, which automatically creates a piano accompaniment score from songs on your smart device. Even without a score, you can enjoy playing piano accompaniment to a song. For people who have difficulty reading notation, the Stream Lights function (page 23) shows which key to play next. Just press the keys at the right time as indicated by the moving lights above the keys.



Enjoy backing band accompaniment and singing with your own performance

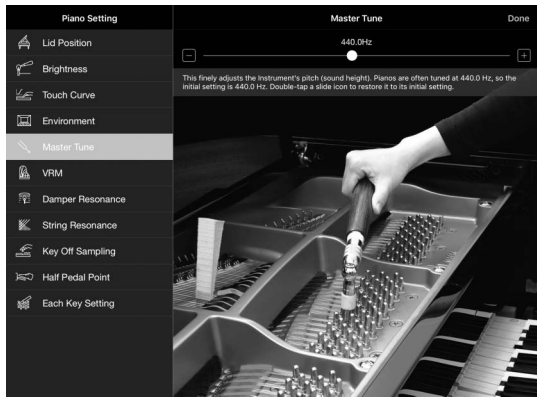
Dynamic backing band accompaniment, even when you're playing by yourself. The accompaniment features a wide number of patterns in various genres to match your performance. You can even connect a microphone and sing along with your own performance. Rich harmony functions allow you to automatically create vocal chorus backup, even when you're singing alone.



Concert grand piano sound at your fingertips

The piano Voices have been created with samples of Yamaha's flagship CFX concert grand piano and the world renowned Bösendorfer* concert grand piano. With keys that support rapid repetitive capability, this instrument achieves the feel of an actual grand piano. It also reproduces the way sound echoes based on the concert hall, and the subtle changes in sound due to the opening or closing of the lid of a grand piano.

*Bösendorfer is a subsidiary company of Yamaha.



You can also learn more about the features of this instrument in the Demo function of the Smart Pianist smart device app.

*All screen captures are under development.

Playing the Clavinova as a Piano

With its exceptionally simple setup, this instrument can be played right away—just like a real acoustic piano.

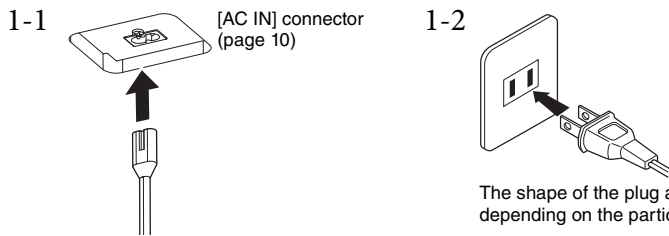
Turning the power on or off

1 Connect the power cord.

Connect the plugs of the power cord in the order shown in the illustration.

1-1 Insert the plug of the power cord into the AC connector on this instrument.

1-2 Plug the other end of the cord into the proper AC outlet on the wall.



WARNING

Use only the AC power cord supplied with your instrument. If the supplied cord is lost or damaged and needs to be replaced, contact your Yamaha dealer. The use of an inappropriate replacement can pose a fire and shock hazard!

CAUTION

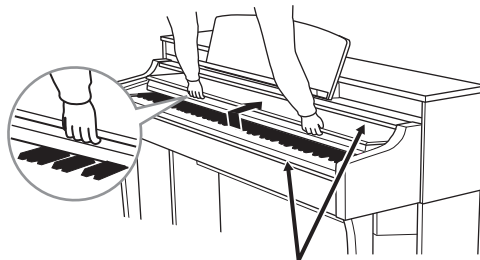
When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet.

NOTE

When disconnecting the power cord, first turn off the power, then follow this procedure in reverse order.

2 Open the key cover.

With both hands, hold the hand grip. Then lift the cover slightly, then push and slide it to the end completely.



CAUTION

Be careful to avoid catching your fingers when opening or closing the cover.

CAUTION

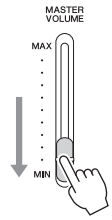
- Hold the cover with both hands when opening or closing it. Do not release it until it is fully opened or closed. Be careful to avoid catching fingers (yours or others, especially children's) between the cover and the unit.
- Do not place anything (such as metal objects or pieces of paper) on top of the key cover. Small objects placed on the key cover may fall inside the unit when the cover is opened and may be nearly impossible to remove. Once inside, they could cause electric shock, short circuit, fire or other serious damage to the instrument.

NOTICE

Do not rest your weight on, or place heavy objects on the instrument, especially around the key cover and the score rest. Doing so can cause damage or malfunction of the key cover.

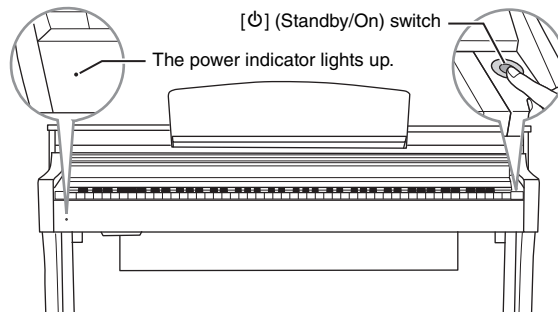
3 Turn down the volume.

Turn down the [MASTER VOLUME] slider located at the right of the panel to “MIN.”



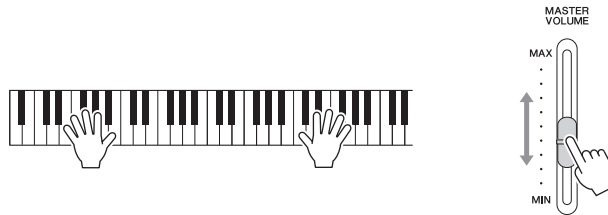
4 Turn the power on.

Press the [⏻] (Standby/On) switch located at the right of the panel to turn the power on. The power indicator located below the left end of the panel lights up. After that, the Stream Lights located above the highest key flash a few seconds, and the power turns on.



5 Adjust the volume.

Play the keyboard to produce sound and turn up the [MASTER VOLUME] slider slowly while you adjust the volume.



⚠ CAUTION

Do not use the instrument at a high volume level for a long period of time, or your hearing may be damaged.

6 After you finish your performance, turn the power off.

Press and hold the [⏻] (Standby/On) switch for about a second. The power indicator turns off.

⚠ CAUTION

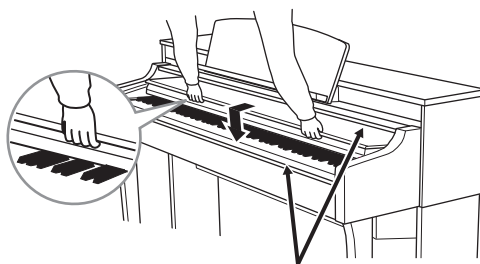
Even when the instrument is turned off, electricity is still flowing to the instrument at the minimum level. When you are not using the instrument for a long time or during electrical storms, make sure you unplug the AC power plug from the wall AC outlet.

NOTICE

- Do not press any keys or pedals until the instrument has completely started up (the Stream Lights stop flashing) after turning on the switch. Doing so may cause malfunction.
- If you need to force-quit the instrument, hold down the [⏻] (Standby/On) switch for longer than three seconds. Keep in mind that the force-quit operation might cause data loss and damage to the instrument.

7 Close the key cover

With both hands, hold the hand grip. Then slide the cover toward you and gently lower the cover over the keys.



CAUTION

Be careful to avoid catching your fingers when opening or closing the cover.

NOTICE

Any recorded Songs which are not saved will be lost if the power automatically turns off. Make sure to save your data with the Registration Memory in the Smart Pianist smart device app before this happens.

Data that is retained even when the power is turned off (Backup parameters)

The following data is retained even when the power is turned off.

- Tuning
- Touch Response setting
- Metronome volume
- Elapsed time for Auto Power Off

Auto Power Off function

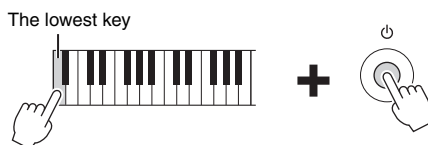
To prevent unnecessary power consumption, this instrument features an Auto Power Off function that automatically turns the power off if the instrument is not operated for a specified period of time. The amount of time that elapses before the power is automatically turned off is approximately 30 minutes by default. You can turn this off by pressing the A-1 key, or on by pressing the A#-1 key, or set it from the Utility Menu in the Smart Pianist smart device app.

NOTICE

When the instrument is not operated for a specified period of time while connected to an external device such as an amplifier, speaker or computer, make sure to follow the instructions in the Owner's Manual to turn off the power to the instrument and the connected devices, in order to protect the devices from damage. If want to prevent the power from being turned off automatically while a device is connected, disable Auto Power Off.

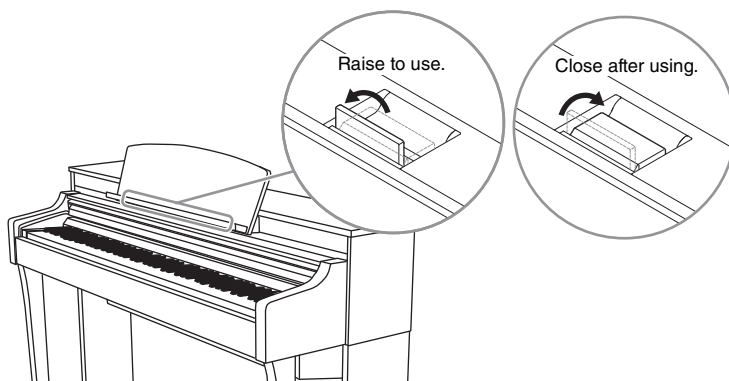
Disabling Auto Power Off (simple method)

Turn the power on while holding down the lowest key on the keyboard. Auto Power Off is disabled.



Using the sheet music braces

Raise the sheet music braces toward yourself as far as they will go. The sheet music braces allow you to hold the pages of music books in place. Using a smart device, put on the music rest. Then make sure the smart device is fully resting against the music rest and raise the sheet music braces.



CAUTION

If excessive force is applied to the music rest, the music rest and screws may loosen or break, resulting in damage or even personal injury. If the music rest becomes detached, reattach it referring to the Assembly instructions (page 37). If the screws become loose, tighten them up again.

NOTICE

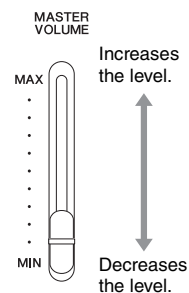
If you use a smart device with space from the music rest or hook the sheet music braces, the smart device may fall or drop from the music rest.

Adjusting the Master Volume

To adjust the volume, use the [MASTER VOLUME] slider located at the right of the panel. Play the keyboard to check the sound while you adjust the volume.

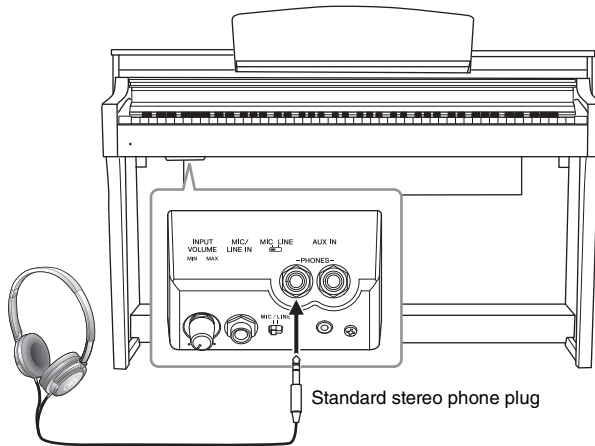
CAUTION

Do not use the instrument at a high volume level for a long period of time, or your hearing may be damaged.



Using headphones

Connect a pair of headphones to the [PHONES] jacks. Since this instrument is equipped with two [PHONES] jacks, you can connect two pairs of headphones. If you are using only one pair, insert the plug into either of these jacks.



CAUTION

Do not use the headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss.

Reproducing the natural sensation of sound distance — Binaural Sampling and Stereophonic Optimizer

This instrument features two advanced technologies that allow you to enjoy exceptionally realistic, natural sound, even when listening on headphones. The default setting for this function is on, but you can turn it off by using the Smart Pianist smart device app.

Binaural Sampling (“CFX Grand” Voice only)

Binaural sampling is a method that uses two special microphones set at the ear position of a performer and records the sound from a piano as it is. Listening to the sound with this effect through headphones gives the impression of being immersed in the sound, as if it was actually emanating from the piano. Moreover, you can enjoy the sound naturally for a long time without ear strain. When the default voice, “CFX Grand” (page 24) is selected, connecting the headphones automatically enables the binaural sampling sound.

Stereophonic Optimizer (Voices in the Piano group other than “CFX Grand”)

The Stereophonic Optimizer feature recreates for headphones the spacious sensation you hear when you play an acoustic piano, even though you hear it on headphones. When this function is turned on, you can sense a natural sound distance as if the sound is coming from the piano.

When headphones are connected, the Voices in the Piano group automatically change to the sound of Binaural Sampling or the sound enhanced with the Stereophonic Optimizer, by the default settings. Since these sounds are optimized for listening with headphones, we recommend that you set this function to “OFF” in the following situations.

- Playing the piano sound of this instrument with an external powered speaker system, while monitoring the sound output from this instrument on connected headphones.
- Making an audio recording and then playing that recorded audio Song through speakers of this instrument. (Make sure to turn off these functions before audio recording.)

You can set this setting On or Off via the Smart Pianist smart device app.

Using the headphone hanger

A headphone hanger is included in the instrument package so that you can hang the headphones on the instrument. Install the headphone hanger by following the instructions at the end of this manual.

NOTICE

Do not hang anything other than the headphones on the hanger. Otherwise, the instrument or the hanger may be damaged.

Using the pedals

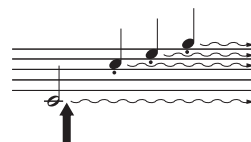
This instrument is equipped with three foot pedals: damper pedal (right), sostenuto pedal (center), and soft pedal (left).

NOTE

If the pedals do not work, the pedal cord plug may be not connected. Securely insert the pedal cord plug into the proper jack (page 36).

Damper pedal (right pedal)

When you press the damper pedal, the notes you play have a longer sustain. This instrument has a Half-pedal function for fine, expressive control of the sustain.



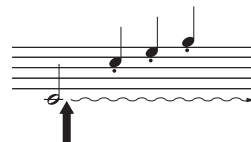
When you press the damper pedal here, the notes you play before you release the pedal have a longer sustain.

Half-pedal function

The Half-pedal function allows you to use half-damper techniques, in which the damper is pressed somewhere between all the way down and all the way up. In this half-damper state (on a real piano), the damper felts only partially mute the strings. This function lets you delicately and expressively control the damper muting, and create subtle nuances in your performance, by finely controlling the point at which pressure on the pedal affects the damper muting. This can be set with the Smart Pianist smart device app.

Sostenuto pedal (center pedal)

If you play a note or chord on the keyboard and press the sostenuto pedal while holding the note(s), the notes will sustain as long as the pedal is held. All subsequent notes will not sustain.



When you press the sostenuto pedal here while holding the note(s), the notes will sustain as long as you hold the pedal.

Soft pedal (left pedal)

The soft pedal reduces the volume and slightly changes the timbre of notes played while the pedal is pressed. The soft pedal will not affect notes that are already playing when it is pressed.

NOTE

This pedal function may be different from the normal soft (left) pedal function, depending on the selected Voice. For example, when the "Mellow Organ" is selected, pressing and releasing this pedal switches between the "fast" and "slow" speeds of the Rotary Speaker effect.

Taking Advantage of the Smart Pianist App

App introduction

This instrument can be linked with the Smart Pianist smart device app, making your music performances even more enjoyable. In this section, we will introduce some of these functions. For information on release date, how to get it and other details, see the website below.

<https://www.yamaha.com/kbdapps/>

Piano Room

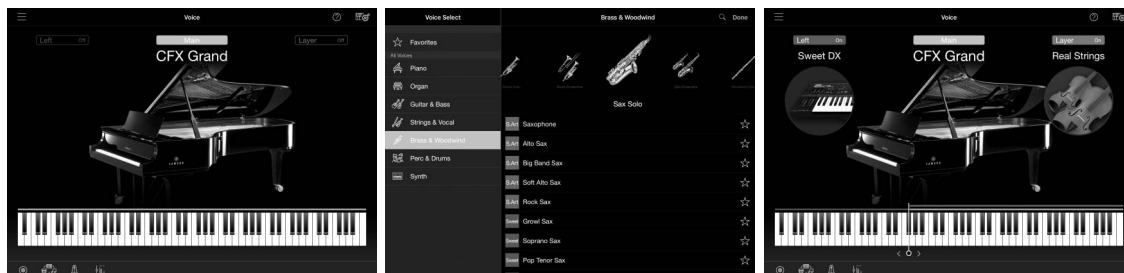
This instrument lets you perform on Voices using piano sounds including Yamaha's flagship CFX concert grand piano and the famed Bösendorfer* concert grand piano. You can also make sonic changes to the piano Voice as you like, including the brilliance of the sound depending on the lid position of a grand piano or the reverberation in a concert hall.

*Bösendorfer is a subsidiary company of Yamaha.



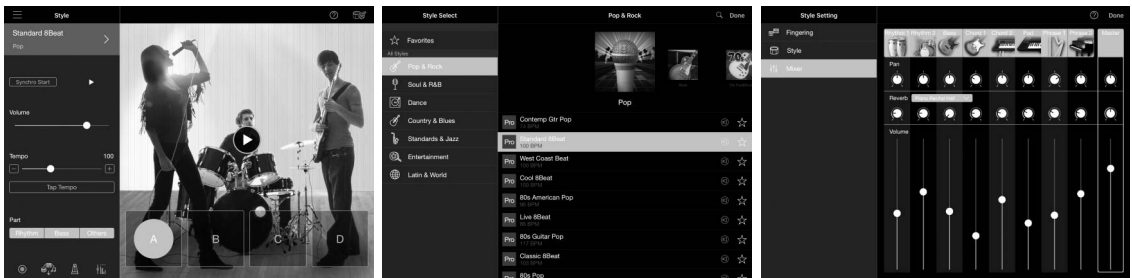
Voice Menu

The instrument also features Voices of various other instruments, including piano, strings, wind instruments and so on. You can also use a layering function, which layers Voices over one another, or the Split function, which lets you play different Voices with your right and left hands, and perform with multiple Voices simultaneously—richly expanding your performance possibilities.



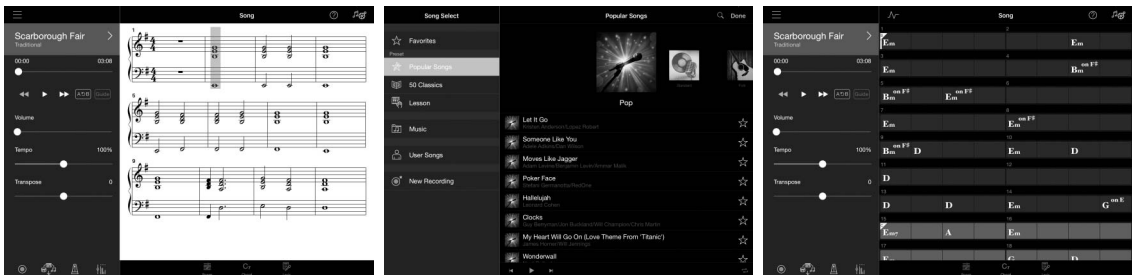
Style Menu

The app gives you a wide variety of accompaniment and rhythmic backing patterns (called Styles) in various different musical genres. The Style functions app can automatically detect the chord and create dynamic accompaniment.



Song Menu

With the app, you can play back song data (called “Song”) such as Preset songs and commercially available songs. Not only can you enjoy playing back Songs, but you can also practice along with them as they’re playing back. The app shows the notation of MIDI data, and even accompaniment notation determined automatically from the chords of an audio song.



Other functions

Here are some of the other functions available on the Smart Pianist smart device app.

Functions	Descriptions
Recording	For recording your performances as MIDI or audio data.
Registration Memory	For saving virtually all instrument settings.
Metronome	Provides a click sound, giving you an accurate tempo guide.
Balance	For adjusting volume of each part.
Utility	Provides various detailed settings, including for the keyboard and pedals.

NOTICE

The all settings on the instrument are replaced by the setting on the Smart Pianist smart device app when the instrument is connected with the Smart Pianist smart device app.

Connecting to a smart device

You can connect this instrument to a smart device via a USB cable or wireless LAN. For the connection method, refer to “Start Connection Wizard” in the Instrument Menu in the Smart Pianist smart device app.

Connection overview

Start the Smart Pianist smart device app and operate below.



- 1 Tap the [≡] icon located upper left on the screen and open the menu.
- 2 Tap the “Instrument” and open the Instrument Connection.
- 3 Tap “Start Connection Wizard” and follow the connection wizard.

Information

This application corresponds to iOS and Android devices. For information on release dates and other details, see the website below.

<https://www.yamaha.com/kbdapps/>

Necessary items

May not be included depending on your area. Check with your Yamaha dealer.

Connecting with a USB Cable

iOS device

- Lightning - USB cable

Android device

If the device's connector is USB micro B

- Conversion adaptor (micro B male - Type A female)
- USB cable (Type A male - Type B female)

If the device's connector is USB Type C

- Conversion adaptor (Type C male - Type A female)
- USB cable (Type A male - Type B female)

Connecting with the USB Wireless LAN Adaptor

- USB wireless LAN adaptor
- Access point

NOTE

When the instrument is set for direct wireless connection between your instrument and your smart device, no access point is required. However, in this condition internet access will be disabled on your smart device, and certain functions may be limited, such as mailing, searching and some functions of the Smart Pianist.

NOTICE

Use a USB cable that is less than 3 meters. USB 3.0 is not supported.

Displaying the Wi-Fi connection status

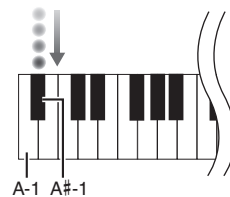
The Stream Lights indicates the Wi-Fi connection status while setting up using an access point supports the WPS to connect your smart device to your instrument. While setting up using an access point unsupports the WPS or without the WPS, the Stream Lights do not light.

NOTE

WPS (Wi-Fi Protected Setup) refers to structure to easily make settings of a wireless LAN, just by pressing the WPS button of a wireless LAN adaptor and an access point. This helps you save time and effort in making the settings necessary for connecting to a network.

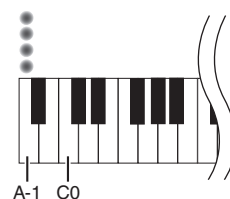
Setting up

The Stream Lights of the A \sharp -1 key flash in succession in a downward pattern.



Setting completion

The Stream Lights are unlit. Also please check the connection on your smart device.



Connection failure

The Stream Lights of the A-1 key light continuously for about 3 seconds.

For information about location of these connectors, refer to “Panel Controls and Terminals” on page 10.

- USB wireless LAN adaptor [USB TO DEVICE] terminal
- iOS device [iPad] terminal
- Android device, computer [USB TO HOST] terminal

About the Stream Lights

On top of each keys, four lamps are embedded, which are linked with the Smart Pianist smart device app to assist your performance and indicates the functions of the instrument.

Displaying the keys to press and the timing

The Stream Lights light (or flash gently) in succession in a descending pattern during Song playback, indicating the particular keys you should play and the timing with which you should play them.

- Red lamps represent the white keys, while blue lamps represent the black ones.
- As the lights “descend,” play the indicated key when the light reaches the bottom, nearest the key.

To turn the function on or off, refer to the Song Menu in the Smart Pianist smart device app.

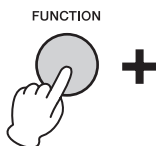
Displaying the split point

When you play different Voices with left and right hands (called “Split Function”), the Stream Lights indicates the split point. Preset is the F \sharp 2 key.

Functions

Function List

This instrument gives you access to certain functions, by simply holding down the [FUNCTION] button and pressing the relevant key (as shown below). This lets you perform various functions and change important settings, without the need of a smart device.



A#-1	C#0	D#0	F#0	G#0	A#0	C#1	D#1	F#1	G#1	A#1	C#2	D#2	F#2	G#2	A#2
Auto Power Off disable	CFX Grand	Upright Piano	Sweet DX EP	Pipe Organ Principal	Vibraphone	Let It Go	Moves Like Jagger	Canon D dur	Contemp Gtr Pop	The Blues	Easy Country Pop	Easy 8Beat 1	Swing Medium	Cool Jazz Waltz	Brazilian Bossa
Auto Power Off enable	Bösendorfer	Suitcase EP	Whiter Bars	Harpischord 1		Someone Like You	Clocks	Jesus, Joy of Man's Desiring	Acoustic Gtr Ballad	For Elise	Funky Shuffle		Swing Medium	Standard Waltz	
A-1 B-1	C0 D0 E0	F0 G0 A0 B0	C1 D1 E1	F1 G1 A1 B1	C2 D2 E2	F2 G2 A2 B2									
Auto Power Off (page 16)	Voices (page 28)					Songs (page 28)					Styles (page 28)				

Voice List

Key	Voice	Voice description
C0	CFX Grand	Yamaha's CFX flagship concert grand piano sound with a wide dynamic range for maximum expressive control. Suitable for playing in any music genre and style.
C#0	Bösendorfer	The famed sound of the Vienna-made Bösendorfer full concert grand piano. Its spacious sound evokes the size of the instrument, and is ideal for expressing tenderness in compositions.
D0	Upright Piano	Stereo-sampled, upright piano sound with unique tonal character and a lighter, more casual feel.
D#0	Suitcase EP	The sound of an electric piano using hammer-struck metallic "tines." Soft tone when played lightly, and an aggressive tone when played hard.
E0	Vintage EP	A different type of electric piano sound than Suitcase EP. Widely used in rock and popular music.
F0	Sweet DX EP	An electronic piano sound produced by an FM synthesizer. The tone will change as you vary your playing touch. Ideal for popular music.
F#0	Whiter Bars	The sound of a "tonewheel" type electric organ. Sampled with Rotary speaker effect, its rotation speed is slow. Often heard in jazz and rock idioms.
G0	Pipe Organ Principal	This Voice features the combination of pipes (8'+4'+2') of a principal (brass instrument) organ. It is suitable for Baroque church music.
G#0	Harpischord 1	The sound of the instrument frequently used in baroque music. Variations in playing touch will not affect the volume, and a characteristic sound will be heard when you release the key.
A0	Vibraphone	A Vibraphone sound, sampled in stereo. Its spacious and clear sound is ideal for popular music.

Voice: Instrument sound for playing from the keyboard.
Song: Data of songs.
Style: Automatic accompaniment and rhythmic backing pattern.

C#3	D#3	F#3	G#3	A#3	C#4	D#4	F#4	G#4	A#4	C#5	D#5	F#5	G#5	A#5	C#6	D#6	F#6	G#6	A#6												
Metronome on/off	Number key 1	Number key 3	Number key 4	Number key 6	Number key 8	Number key 0	Tap Tempo	Beat down 1	Beat up 1	Volume down 1	Volume up 1	All	Rhythm	Recital Hall	Chamber	Club	No Effect	Depth down 1	Depth up 1	Touch Sensitivity	Channel down 1	Channel up 1	Semitone down	Semitone up	Lower about 0.2 Hz	Raise about 0.2 Hz					
C3	D3	E3	F3	G3	A3	B3	C4	D4	E4	F4	G4	A4	B4	C5	D5	E5	F5	G5	A5	B5	C6	D6	E6	F6	G6	A6	B6	C7			
Metronome							Number keys			Tap Tempo		Beat		Metronome Volume			Style Part (page 28)			Reverb Type		Reverb Depth		Touch Sensitivity (page 28)		MIDI Channel (page 29)		Transpose (page 29)		Tuning (page 30)	
Metronome / Tempo (page 27)														Reverb (page 28)																	

Song List

Key	Song	Composer
C1	Let It Go	Kristen Anderson-Lopez & Robert Lopez
C#1	Someone Like You	Adele Adkins & Dan Wilson
D1	Moves Like Jagger	Adam Levine, Benjamin Levin, Ammar Malik & Johan Schuster
D#1	Clocks	Guy Berryman, Jon Buckland, Will Champion & Chris Martin
E1	My Heart Will Go On (Love Theme From 'Titanic')	James Horner
F1	Canon D dur	J. Pachelbel
F#1	Jesus, Joy of Man's Desiring	J. S. Bach
G1	Twinkle, Twinkle, Little Star	Traditional
G#1	Salut d'amour op.12	E. Elgar
A1	Für Elise	L. v. Beethoven

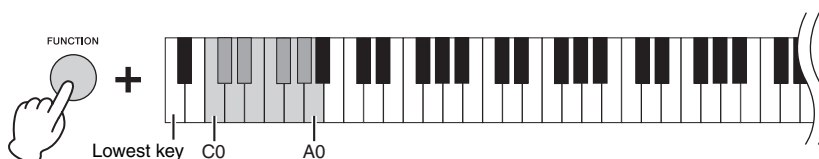
Style Type List

Key	Style Type
C2	Contemp Gtr Pop
C#2	Easy 8Beat 1
D2	Acoustic Gtr Ballad
D#2	Funky Shuffle
E2	Easy Country Pop

Key	Style Type
F2	The Blues
F#2	Swing Medium
G2	Cool Jazz Waltz
G#2	Standard Waltz
A2	Brazilian Bossa

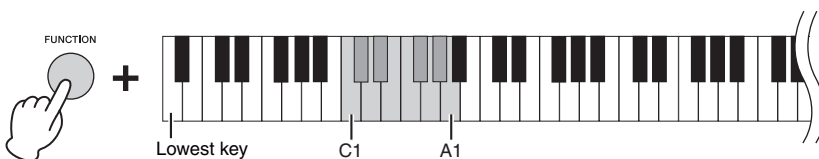
Selecting Preset Voices

You can select and play various preset Voices. To reset to the default Voice (CFX Grand), press the [FUNCTION] button.



Playback of Songs

You can play back preset Songs. To stop playback, press the [FUNCTION] button. During Song playback, the Stream Lights indicate the particular keys and the timing (page 23). You can turn the Stream Lights setting on or off with the Smart Pianist smart device app.

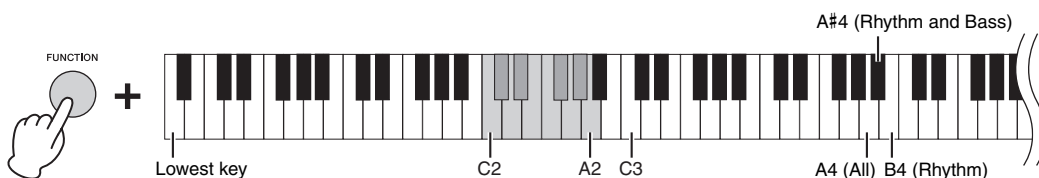


Playing with a Style

This instrument can detect chords from the notes you play on the keyboard and produce accompaniment according to the chords.

1 While holding down [FUNCTION], press one of the C2 – A2 keys.

The rhythm of the selected Style starts and continues to play unchanged until you play a key.



2 Play the keyboard with the rhythm.

As soon as you press a key (any key will do), the sound of bass or other musical instruments starts playing. By default, the area of chord detection (called the “Chord Section”) is comprised of the entire keyboard.

You can change the Chord Section. Refer to the Smart Pianist smart device app.

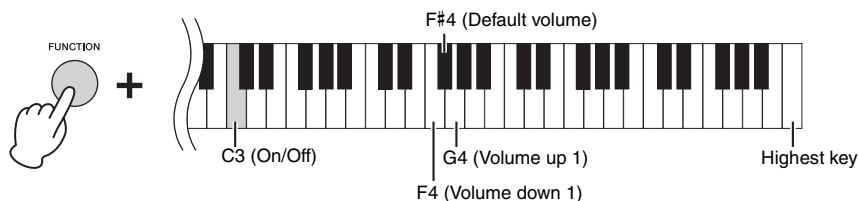
NOTE

To turn specific parts on or off, press the appropriate key (A4 – B4) while holding down the [FUNCTION] button.

3 After you have finished the performance, press the [FUNCTION] button to stop the Style.

Using the Metronome

By using the metronome, you can practice with an accurate tempo, and confirm the actual tempo by hearing it. While holding down the [FUNCTION] button, press the C3 key to start the metronome. To stop the metronome, press again the C3 key while holding down the [FUNCTION] button.



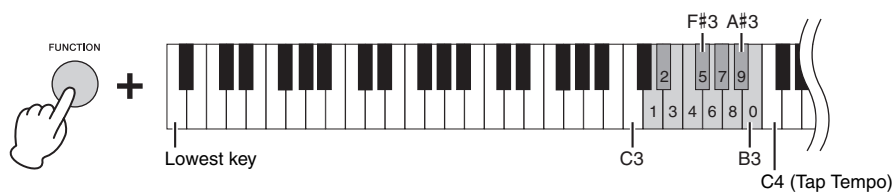
The metronome volume can be adjusted in steps. Use the F4 – G4 keys while holding down the [FUNCTION] button.

Adjusting the tempo

You can adjust the tempo of the Songs, Styles or metronome over a range of 5 – 500 beats per minute.

To specify a three-digit value

While holding down the [FUNCTION] button, press the appropriate D3 – B3 keys one by one in order. For example, to specify “95,” press the B3 (0), A#3 (9) and F#3 (5) keys in order.



To use Tap Tempo

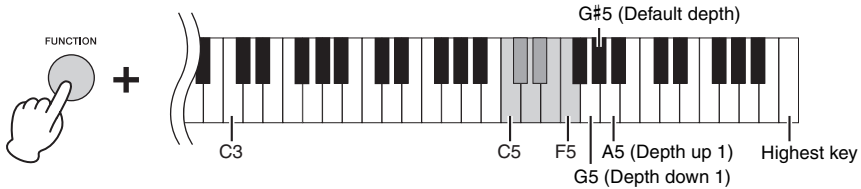
You can change the tempo by simultaneously holding down the [FUNCTION] button and tapping the C4 key (twice or more) at the desired tempo.

Restore the default tempo

To restore the default tempo, simultaneously hold down the [FUNCTION] button and press the C#4 key. The default tempo depends on the selected Style or Song.

Selecting the Reverb

You can select and apply a reverb effect to the sound, which simulates the natural reverberation of a concert hall.



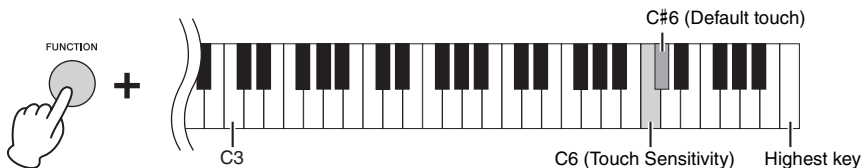
Reverb Type List

Key	Reverb type	Reverb description
C5	Recital Hall	Simulates clear reverberation in a mid-sized hall suitable for piano recital.
C#5	Concert Hall	Simulates brilliant reverberation in a large hall for public orchestra performances.
D5	Chamber	Simulates the elegant reverberation in a small room suitable for chamber music.
D#5	Cathedral	Simulates the solemn reverberation in a high-ceiling stone-made cathedral.
E5	Club	Simulates the lively reverberation in a jazz club or a small bar.
F5	No Effect	No effect

The depth can be adjusted in steps. Use the G5 – A5 keys while holding down the [FUNCTION] button.

Setting the Touch Sensitivity of the keyboard

Touch Sensitivity determines how the sound responds to your playing strength. This setting does not change the weight of the keyboard. Simultaneously hold down the [FUNCTION] button and press the C6 key to toggle among the various settings: Medium, Hard 1, Hard 2, Fixed, Soft 2, Soft 1 and Medium. To reset to the default setting (Medium), simultaneously hold down the [FUNCTION] button and press the C#6 key.

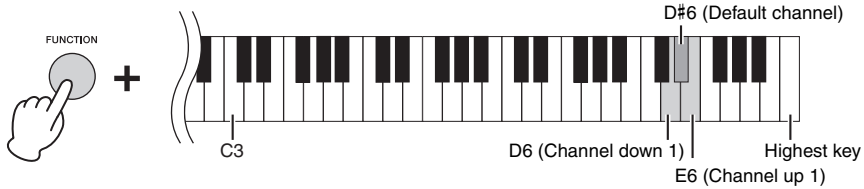


Touch Sensitivity List

Touch Sensitivity	Touch Sensitivity description
Soft 2	Produces relatively high volume even with light playing strength. Best for players with a light touch.
Soft 1	Produces high volume with moderate playing strength.
Medium	Standard Touch Sensitivity.
Hard 1	Requires moderately strong playing for high volume.
Hard 2	Requires strong playing to produce high volume. Best for players with a heavy touch.
Fixed	No touch response. The volume level will be the same regardless of how hard you play the keys.

Changing the MIDI channel

You can change the MIDI channel for transmitting MIDI messages from [USB TO HOST] or MIDI [OUT] to a connected MIDI device. To change the channel in steps, simultaneously hold down the [FUNCTION] button and press the D6 or E6 key. To reset to the default channel, simultaneously hold down the [FUNCTION] button and press the D#6 key.




Default channels:

Main part:	MIDI port 1, channel 1
Layer part:	MIDI port 1, channel 2
Left part:	MIDI port 1, channel 3

NOTE

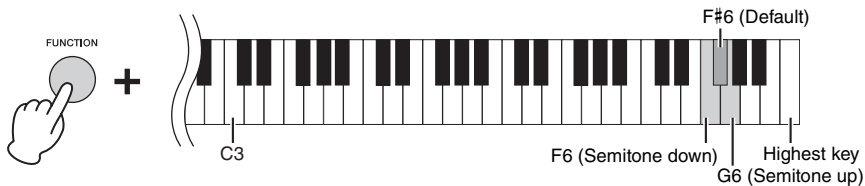
- The channel range is from MIDI port 1, channel 1 to MIDI port 1, channel 8.
- The three parts change in conjunction.
- The channel will not be changed if you press "Channel up 1" when the Main part is set to channel 8, or if you press "Channel down 1" when it is set to channel 1. However, in the case of the Left part and Layer part, the channels will be changed by pressing "Channel up 1" or "Channel down 1" when channel 8/channel 1 are set, respectively.

Example

Main part:	MIDI port 1, channel 6	Channel up 1 	channel 7
Layer part:	MIDI port 1, channel 7		channel 8
Left part:	MIDI port 1, channel 8		channel 1

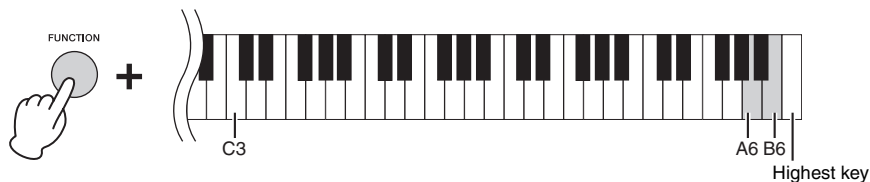
Transposing the pitch in semitones

You can shift the pitch of the entire keyboard up or down in semitones in order to facilitate playing in difficult key signatures, or to easily match the pitch of the keyboard to the range of a singer or other instruments. To transpose, simultaneously hold down the [FUNCTION] button and press the F6 or G6 key. To restore the normal pitch, simultaneously hold down the [FUNCTION] button and press the F#6 key.

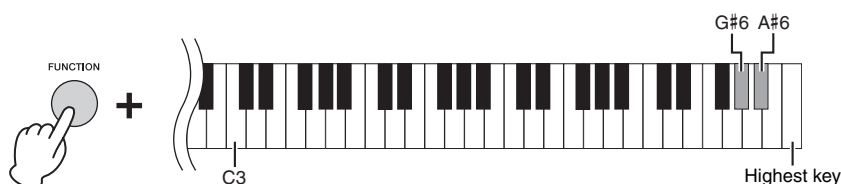


Fine-tuning the pitch

You can fine-tune the pitch of the entire instrument in roughly 0.2 Hz steps. This lets you accurately match the keyboard pitch to that of other instruments or recorded music. The setting range is 414.8 Hz – 466.8 Hz. To raise the pitch, simultaneously hold down the [FUNCTION] button and press the B6 key; to lower it, simultaneously hold down the [FUNCTION] button and press the A6 key.



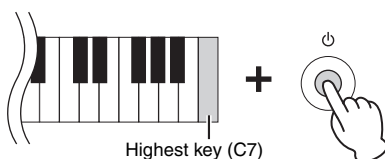
To set the pitch to 442.0 Hz (a pitch commonly used by brass and wind instruments), simultaneously hold down the [FUNCTION] button and press the G#6 key. To restore the default pitch (440.0 Hz), simultaneously hold down the [FUNCTION] button and press the A#6 key.



Functions

Initializing the settings

Performing this operation resets all data to the factory default settings. To do this, turn off the power once and simultaneously hold down the C7 (the highest) key and turn on the power.



NOTE

For information about data that is retained even when the power is turned off, refer to page 16.

Connections

For information on the location of these connectors, refer to “Panel Controls and Terminals” on page 10.

CAUTION

Before connecting the instrument to other electronic components, turn off the power of all the components. Also, before turning any components on or off, make sure to set all volume levels to minimum (0). Otherwise, damage to the components, electrical shock, or even permanent hearing loss may occur.

[USB TO DEVICE] Terminal

You can connect a USB wireless LAN adaptor to the USB [TO DEVICE] terminal. Refer to the Instrument Menu of the Smart Pianist smart device app.

NOTE

A USB wireless LAN adaptor may not be included depending on your area.

Precautions when using the USB [TO DEVICE] terminal

This instrument features a built-in USB [TO DEVICE] terminal. When connecting a USB device to the terminal, be sure to handle the USB device with care. Follow the important precautions below.

NOTE

For more information about the handling of USB devices, refer to the owner's manual of the USB device.

Compatible USB devices

- USB wireless LAN adaptor
- USB flash memory (can only be used to update the software; not for normal use in saving files, reading data, recording nor playing back)

Other USB devices such as a USB hub, computer keyboard or mouse cannot be used.

Although USB devices 1.1 to 2.0 can be used on this instrument, the amount of time for saving to or loading from the USB device may differ depending on the type of data or the status of the instrument.

The instrument does not necessarily support all commercially available USB devices. Yamaha cannot guarantee operation of USB devices that you purchase. Before purchasing a USB device for use with this instrument, visit the following web page:

<http://download.yamaha.com/>

NOTE

The rating of the USB [TO DEVICE] terminal is a maximum of 5V/500mA. Do not connect USB devices having a rating above this, since this can cause damage to the instrument itself.

Connecting a USB device

When connecting a USB device to the USB [TO DEVICE] terminal, make sure that the connector on the device is appropriate and that it is connected in the proper direction.

NOTICE

- Avoid connecting or disconnecting the USB device when accessing the USB device. Failure to observe this may result in “freezing” of the operation of the instrument or corruption of the USB device and the data.
- When connecting then disconnecting the USB device (and vice versa), make sure to wait a few seconds between the two operations.
- Extension cables cannot be used in the connection from [USB TO DEVICE] to USB devices.

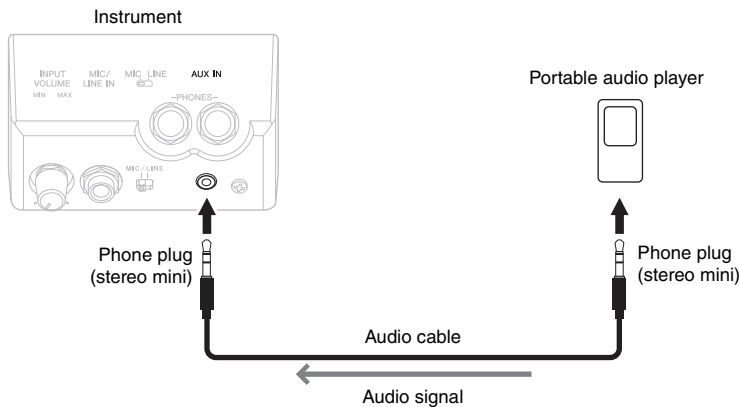
Connecting audio devices ([AUX IN] jack, AUX OUT [R]/ [L/L+R] jacks)

Playing a portable audio player with the built-in speakers

You can connect the headphone jack of a portable audio player to the instrument's [AUX IN] jack, and listen to the sound of that audio player through the built-in speakers of the instrument.

NOTICE

To avoid damage to the devices, first turn on the power to the external device, then to the instrument. When turning off the power, first turn off the power to the instrument, then to the external device.



NOTE

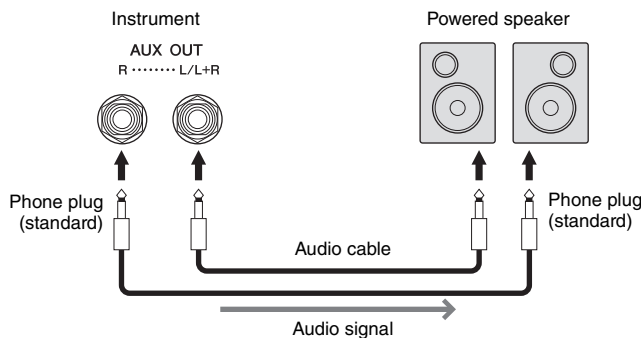
- Use audio cables and adaptor plugs having no (zero) resistance.
- The instrument's [MASTER VOLUME] slider affects the input signal from the [AUX IN] jack.

Using an external stereo system for playback

You can connect a stereo system to amplify the instrument's sound by using the AUX OUT [L/L+R]/[R] jacks. The microphone or guitar sound connected to the instrument's [MIC/LINE IN] jack is output at the same time.

NOTICE

- To avoid possible damage, first turn on the power to the instrument, then to the external device. When turning off the power, first turn off the power to the external device, then to the instrument. Since this instrument's power may automatically be turned off due to the Auto Power Off function (page 16), turn off the power to the external device, or disable Auto Power Off when you do not intend to operate the instrument.
- Do not route the output from the [AUX OUT] jacks to the [AUX IN] jacks. If you make this connection, the signal input at the [AUX IN] jacks is output from the [AUX OUT] jacks. These connections could result in a feedback loop that will make normal performance impossible, and may even damage the equipment.

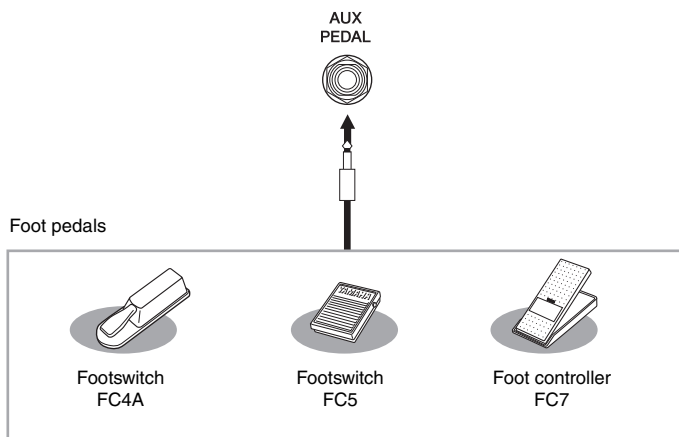


NOTE

- When connecting a mono device, use only the [L/L+R] jack.
- Use an appropriate adaptor plug if the input jack of the powered speaker does not match the phone plug of the audio cable.
- Use audio cables and adaptor plugs having no (zero) resistance.

Connecting a footswitch/foot controller ([AUX PEDAL] jack)

The FC4A or FC5 footswitches and the FC7 foot controller (sold separately) can be connected to [AUX PEDAL] jack. A footswitch can be used for switching functions on and off, while a foot controller controls continuous parameters such as volume. To assign the function to the connected pedal, refer to the Pedal Setting in the Utility Menu in the Smart Pianist smart device app.



NOTE

Make sure to connect or disconnect the pedal only when the power is off.

Connecting a microphone or guitar ([MIC/LINE IN] jack, [MIC/LINE] switch)

The [MIC/LINE IN] jack (standard 1/4" phone jack) lets you connect a microphone, guitar, or other audio equipment. Note that you need to select "MIC" or "LINE IN" depending on the connected equipment. When the output level of the connected equipment (such as a microphone, guitar, bass) is low, set the [MIC/LINE] switch to "MIC." When the output level of the connected equipment (such as a synthesizer, keyboard, CD player) is high, set the [MIC/LINE] switch to "LINE."

- 1 Before turning on the power of the instrument, set the [INPUT VOLUME] knob to the minimum position.
- 2 Connect the microphone or the guitar to the [MIC/LINE IN] jack.
NOTE
Make sure you have a conventional dynamic microphone.
- 3 Set the [MIC/LINE] switch to "MIC" or "LINE" depending on the instrument to be connected.
- 4 Turn on the power of the Clavinova.
- 5 (If necessary, turn on the microphone) Adjust the [INPUT VOLUME] knob while singing into the microphone or playing the guitar.
- 6 After you finish your performance, turn the [INPUT VOLUME] knob to minimum before removing the microphone or the guitar.
- 7 Remove the microphone or the guitar from the [MIC/LINE IN] jack.

Connecting to a computer ([USB TO HOST] terminal)

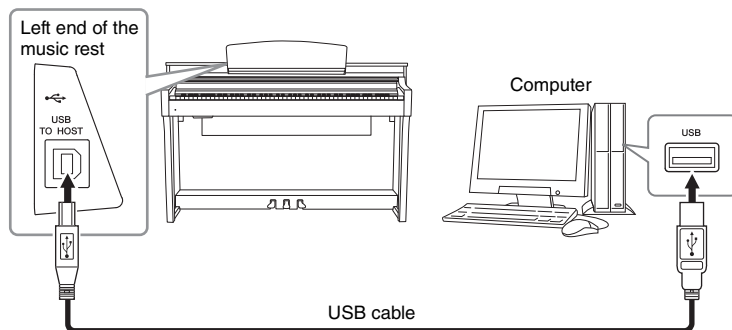
By connecting a computer to the [USB TO HOST] terminal, you can transfer data between the instrument and the computer via MIDI. For details on using a computer with this instrument, refer to the “Computer-related Operations” on the website (page 8).

CAUTION

If you are using the instrument with music production software on a computer, turn off the monitoring function on that software. Failing to do so may generate high or uncomfortable volume level, and may cause permanent hearing loss or damage to the equipment.

NOTICE

Use an AB type USB cable of less than 3 meters. USB 3.0 cables cannot be used.



NOTE

- The instrument will begin transmission a short time after the USB connection is made.
- When using a USB cable to connect the instrument to your computer, make the connection directly without passing through a USB hub.
- For information on setting up your sequence software, refer to the owner's manual of the relevant software.
- You cannot connect a computer to this instrument with a USB wireless LAN adaptor.
- The instrument does not transmit any MIDI messages when connected with the Smart Pianist smart device app.

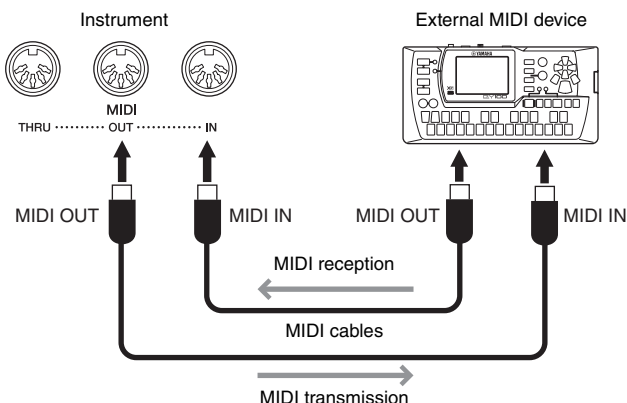
Connecting external MIDI devices (MIDI terminals)

Use the MIDI [IN]/[OUT]/[THRU] terminals and standard MIDI cables to connect external MIDI devices (keyboard, sequencer, etc.).

MIDI IN: Receives MIDI messages from another MIDI device.

MIDI OUT: Transmits MIDI messages generated by the instrument to another MIDI device.

MIDI THRU: Simply relays the MIDI messages received at MIDI IN.



NOTE

The instrument does not transmit any MIDI messages when connected with the Smart Pianist smart device app.

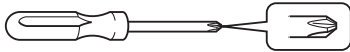
Assembly

This illustration shows the CSP-170.

⚠ CAUTION

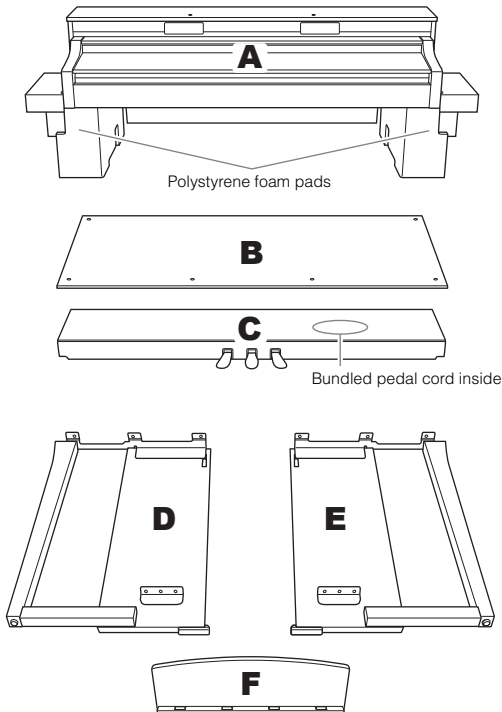
- Assemble the unit on a hard and flat floor with ample space.
- Be careful not to confuse parts, and be sure to install all parts in the correct orientation. Please assemble the unit in accordance with the sequence given below.
- Assembly should be carried out by at least two persons.
- Be sure to use only the included screws of the specified sizes. Do not use any other screws. Use of incorrect screws can cause damage or malfunction of the product.
- Be sure to tighten all screws upon completing assembly of the unit.
- To disassemble the unit, reverse the assembly sequence given below.

Have a Phillips-head (+) screwdriver of the appropriate size ready.



Remove all parts from the package and make sure you have all of the items.

Remove polystyrene foam pads from the package, position them on the floor, then place A on top of them. Position the pads so that they will not block the speaker box or connector on the bottom of A.



Power cord



Cord holders x 2



Headphone hanger



4 x 10 mm x 2

CSP-170B / CSP-170PE
CSP-150B / CSP-150PE



6 x 20 mm x 10



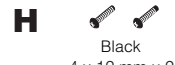
Black

4 x 12 mm x 4

CSP-170WH
CSP-150WH



4 x 20 mm x 4



Black

4 x 12 mm x 2

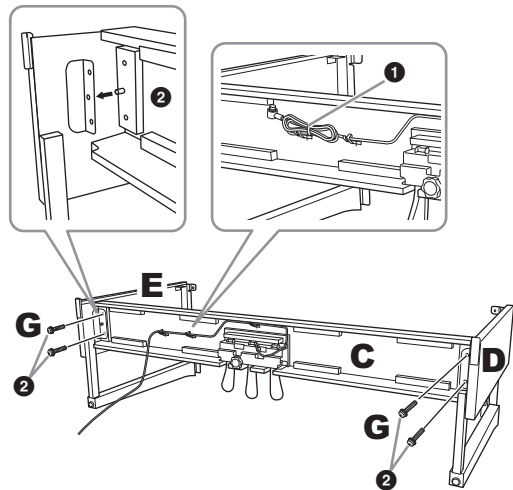


Silver

4 x 12 mm x 2

1 Attach C to D and E.

- 1 Untie and straighten out the bundled pedal cord. Do not discard the vinyl tie. You will need it later in step 5.

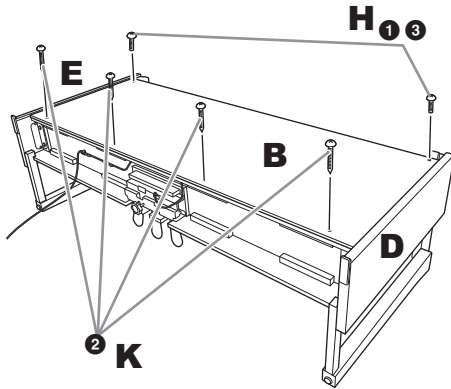


- 2 Insert the protrusions into the holes on the brackets, then attach D and E to C by tightening G (x 4).

2 Attach B.

Depending on the model of digital piano you purchased, the surface color of one side of B may be different from the other side. If so, position B so that the side similar in color to D and E faces the player.

- 1 Align the screw holes on the upper side of B with the bracket holes on D and E, then attach the upper corners of B to D and E by finger-tightening H (x 2).

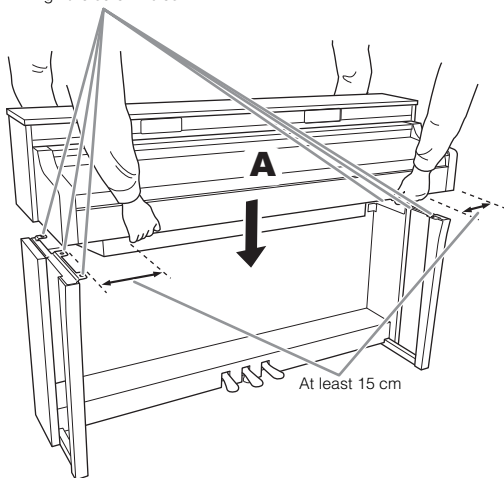


- 2 Secure the bottom end of B using K (x 4).
- 3 Securely tighten H on the top of B that were attached in Step 2-1.

3 Mount A.

Be sure to place your hands at least 15 cm away from either end of the bottom of A when positioning it.

Align the screw holes.

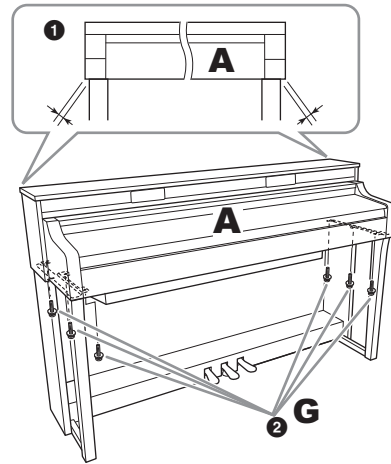


CAUTION

Be extremely careful not to drop the main unit or let your fingers be pinched by it. Do not hold A in any position other than the position specified above.

4 Secure A.

- 1 Adjust the position of A so that the left and right ends of A will project beyond D and E equally (as seen from the front).

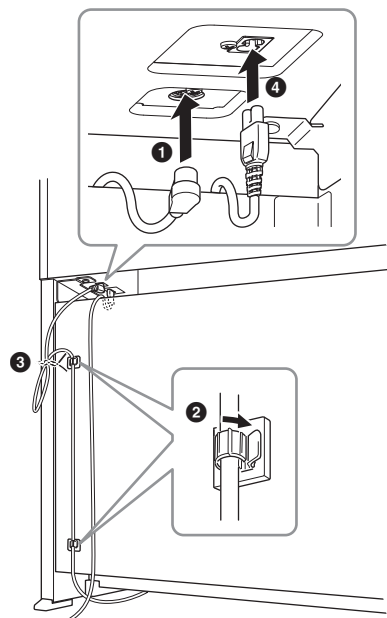
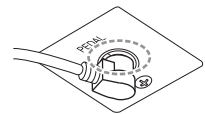


- 2 Secure A by tightening G (x 6) from the front.

5 Connect the pedal cord and power cord.

- 1 Insert the plug of the pedal cord into the pedal connector.

Insert the pedal cord securely until the metal part of the cord plug disappears from view. Otherwise, the pedal may not function properly.

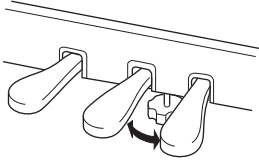


- 2 Attach the cord holders to the rear panel as shown, then clip the cord into the holders.

- ③ Use a vinyl tie to take up any slack in the pedal cord.
- ④ Insert the plug of the power cord into the power connector.

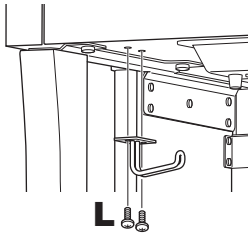
6 Set the adjuster.

Rotate the adjuster until it comes in firm contact with the floor surface.



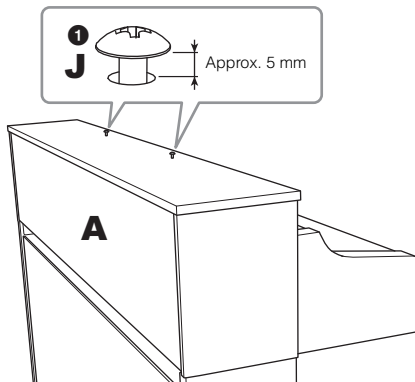
7 Attach the headphone hanger.

Use L (x 2) to attach the hanger as shown in the illustration.

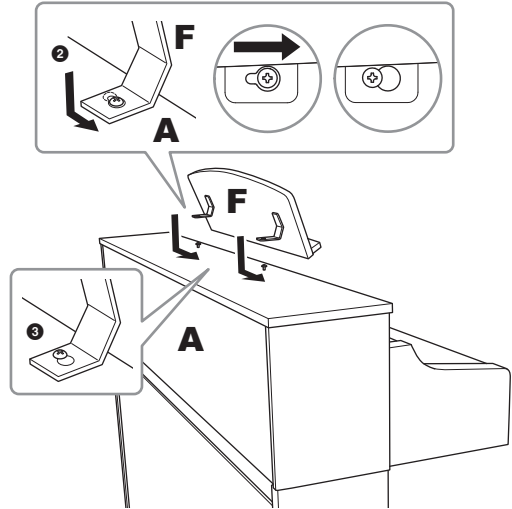


8 Attach F to A.

- ① Finger-tighten J (x 2) as shown in the illustration.



- ② Install the brackets of F onto J, and slide them so that J fit into the smaller ends of the keyhole slots.



- ③ Fully tighten J.

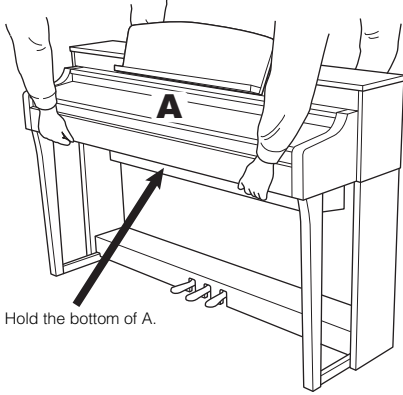
After completing the assembly, please check the following.

- **Are there any parts left over?**
→ Review the assembly procedure and correct any errors.
- **Is the instrument clear of doors and other movable fixtures?**
→ Move the instrument to an appropriate location.
- **Do the instrument or the music rest make a rattling noise when you shake it?**
→ Tighten all screws.
- **Does the pedal box rattle or give way when you step on the pedals?**
→ Turn the adjuster so that it is set firmly against the floor.
- **Are the pedal and power cords inserted securely into the sockets?**
→ Check the connection.

⚠ CAUTION

When moving the instrument after assembly, always hold the bottom of A. Do not hold the key cover or top portion. Improper handling can result in damage to the instrument or personal injury.

Do not hold any part other than the bottom surface of A.



Transporting

If you move to another location, you can transport the instrument along with other belongings. You can move the unit as it is (assembled) or you can disassemble the unit down to the condition it was in when you first took it out of the box.

Transport the keyboard horizontally. Do not lean it up against a wall or stand it up on its side. Do not subject the instrument to excessive vibration or shock. When transporting the assembled instrument, make sure all screws are properly tightened and have not been loosened by moving the instrument.

⚠ CAUTION

If the unit or the music rest creak or is otherwise unsteady when you play on the keyboard, refer to the assembly diagrams and retighten all screws.

Troubleshooting

For troubleshooting information on the app settings, refer to the included Help Menu within the app.

Problem	Possible Cause and Solution
The instrument does not turn on.	The instrument has not been plugged in properly. Securely insert the female plug into the socket on the instrument, and the male plug into a proper AC outlet (page 36).
A click or pop is heard when the power is turned on or off.	This is normal when electrical current is being applied to the instrument.
The power is automatically turned off.	This is normal and due to the Auto Power Off function. If necessary, set the parameter of the Auto Power Off function (page 16).
Noise is heard from the speakers or headphones.	The noise may be due to interference caused by the use of a mobile phone in close proximity to the instrument. Turn off the mobile phone, or use it further away from the instrument.
Noise is heard from the instrument's speakers or headphones when using the instrument with the smart device.	When you use the instrument along with an application on your smart device, such as iPhone/iPad, we recommend that you connect with a USB cable, or set your device to not emit radio waves (such as with "Airplane Mode"), turn on Wi-Fi only, and connect to the instrument.
The overall volume is low, or no sound is heard.	The Master Volume is set too low; set it to an appropriate level using the [MASTER VOLUME] slider (page 17).
Pedals do not function.	The pedal cord may not be securely connected to the [PEDAL] jack. Be sure to insert the pedal cord all the way until the metal part of the cord plug disappears from view (page 36).
The keyboard volume is lower than the metronome volume.	The volume level for the metronome is set too loud. Adjust the metronome volume (page 27).
Higher or lower notes do not sound correctly when the transpose or octave setting is made.	The instrument can cover a key range of C-2 – G8 when you set the transposition. If notes lower than C-2 are played, the actual resulting sound is one octave higher. If notes higher than G8 are played, the resulting sound is one octave lower.

Specifications

* These functions are limited without the Smart Pianist.

			CSP-170	CSP-150
Product Name			Digital Piano	
Size/Weight	Width [For models with polished finish]	1,412 mm (55-85") [1,418 mm (55-13/16")]		
	Height [For models with polished finish]	1,040 mm (40-15/16") [1,040 mm (40-15/16")]		
	Depth [For models with polished finish]	465 mm (18-5/16") [466 mm (18-6/16")]		
	Weight [For models with polished finish]	67 kg (147 lb, 12 oz) [69 kg (152 lb, 2 oz)]	58 kg (127 lb, 14 oz) [61 kg (134 lb, 8 oz)]	
Control Interface	Keyboard	Number of Keys	88	
		Type	NWX (Natural Wood X) keyboard: synthetic ebony and ivory keytops, escapement	GH3X (Graded Hammer 3X) keyboard: synthetic ebony and ivory key tops, escapement
		Touch Response	Hard2/Hard1/Medium/Soft1/Soft2/Fixed	
	Pedal	Number of Pedals	3	
		Half Pedal	Yes (Damper)	
		Assignable Functions*	Sustain, Sostenuto, Soft, Glide, Style Start/Stop, Volume, etc.	
Cabinet	Key Cover Style		Sliding	
	Music Rest		Yes	
	Music Brace		Yes	
Voices	Tone Generation	Piano Sound	Yamaha CFX, Bösendorfer Imperial	
		Binaural Sampling*	Yes (Yamaha CFX Voice only)	
	Piano Effect	VRM	Yes	
		Key-off Samples	Yes	
		Smooth Release	Yes	
	Polyphony (max.)		256	
	Preset	Number of Voices*	692 Voices + 29 Drum/SFX Kits	
		Featured Voices*	14 VRM Voices, 113 Super Articulation Voices, 27 Natura! Voices, 27 Sweet! Voices, 63 Cool! Voices, 69 Live! Voices, 30 Organ Flutes! Voices	
	Compatibility (for Song playback)		XG, GS, GM, GM2	
Effects	Types	Reverb*	58 Types	
		Master EQ*	5 Types	
		Vocal Harmony*	44 Types	
		Intelligent Acoustic Control (IAC)	Yes	
		Stereophonic Optimizer	Yes	
		Mic/Line*	Standard, Brighter, Louder	
	Functions	Layer*	Yes	
		Split*	Yes	

			CSP-170	CSP-150
Styles	Preset	Number of Styles*	470 Styles	
		Featured Styles*	396 Pro Styles, 34 Session Styles, 4 Free Play Styles, 36 Pianist Styles	
	Style Control		INTRO x 1, ENDING x 1, MAIN x 4, FILL IN x 4	
Songs (MIDI)	Preset	Number of Preset Songs*	403	
	Recording	Number of Tracks*	16	
		Data Capacity*	depending on the Smart Device	
	Format	Playback	SMF (Format 0, Format 1), XF	
Recording*		SMF (Format 0)		
Songs (Audio)	Recording	Recording Time (max.)*	depending on the Smart Device	
	Format	Playback*	supported format by the Smart Device	
		Recording*	WAV/AAC	
	Time Stretch*		Yes	
	Pitch Shift*		Yes	
	Melody Suppressor*		Yes	
Functions	Registration Memory*		Yes	
	Guide*	Correct Key, Any Key, Your Tempo		
		Stream Lights	Yes (4 steps)	
	Songs	Score Display Function*	Yes	
		Chord Display Function*	Yes	
		Lyrics Display Function*	Yes	
	Overall Controls	Metronome	Yes	
		Tempo	5 – 500, Tap Tempo	
		Transpose	-12 – 0 – +12	
		Tuning	414.8 – 440.0 – 466.8 Hz	
Scale Type*		9		
Connectivity	Connectivity	Headphones	Standard stereo phone jack x 2	
		Microphone	Mic/Line In, Input Volume	
		MIDI	[IN], [OUT], [THRU]	
		AUX IN	Stereo mini jack	
		AUX OUT	[L/L+R], [R]	
		AUX PEDAL	Yes	
		USB TO DEVICE	Yes	
		USB TO HOST	Yes	
		iPad	Yes	
Sound System	Amplifiers		(45 W + 45 W) x 2	30 W x 2
	Speakers		(16 cm + 8 cm) x 2	16 cm x 2
	Acoustic Optimizer		Yes	
Power Supply	Auto Power Off		Yes	

	CSP-170	CSP-150
Included Accessories	Owner's Manual, Warranty*, Online Member Product Registration, Bench*, Power cord, USB Wireless LAN adaptor*, Owner's Manual of USB wireless LAN adaptor*, USB cable (USB Type A – USB Type B)*, USB conversion cable (USB Type B – USB Micro B / USB Type B – USB Type C)* *May not be included depending on your area. Check with your Yamaha dealer.	
Separately Sold Accessories (May not be available depending on your area.)	Headphones HPH-150/HPH-100/HPH-50 Footswitches FC4A/FC5 Foot controller FC7 USB wireless LAN adaptor UD-WL01 USB wireless MIDI adaptor MD-BT01/UD-BT01	

The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file. Since specifications, equipment or separately sold accessories may not be the same in every locale, please check with your Yamaha dealer.

Compatible formats for this instrument

■ GM2

“GM (General MIDI)” is one of the most common Voice allocation formats. “GM System Level 2” is a standard specification that enhances the original “GM” and improves Song data compatibility. It provides for increased polyphony, greater Voice selection, expanded Voice parameters, and integrated effect processing.

■ XG

XG is a major enhancement of the GM System Level 1 format, and was developed by Yamaha specifically to provide more Voices and variations, as well as greater expressive control over Voices and effects, and to ensure compatibility of data well into the future.

■ GS

GS was developed by the Roland Corporation. In the same way as Yamaha XG, GS is a major enhancement of the GM specifically to provide more Voices and Drum kits and their variations, as well as greater expressive control over Voices and effects.

■ XF

The Yamaha XF format enhances the SMF (Standard MIDI File) standard with greater functionality and open-ended expandability for the future. This instrument is capable of displaying lyrics when an XF file containing lyric data is played.

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The followings are the titles, credits and copyright notices for thirty seven (37) of the songs pre-installed in this instrument (CSP-170/CSP-150):

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<p>Ważne: Warunki gwarancyjne obowiązujące w EOG* i Szwajcarii</p> <p>Aby dowiedzieć się więcej na temat warunków gwarancyjnych tego produktu firmy Yamaha i serwisu gwarancyjnego w całym EOG* i Szwajcarii, należy odwiedzić wskazaną poniżej stronę internetową (Plik gotowy do wydruku znajduje się na naszej stronie internetowej) lub skontaktować się z przedstawicielstwem firmy Yamaha w swoim kraju. * EOG — Europejski Obszar Gospodarczy</p>	Polski
<p>Dôležité oznámení: Záruční informace pro zákazníky v EHS* a ve Švýcarsku</p> <p>Podrobné záruční informácie o tomto produkte Yamaha a záručnom servisu v celom EHS* a v Švajcarsku naleznete na nize uvedených webových adresách (soubor k tisku je dostupný na našich webových stránkách) nebo se můžete obrátit na zastoupení firmy Yamaha ve své zemi. * EHS: Evropský hospodářský prostor</p>	Česky
<p>Fontos figyelmeztetés: Garancia-információk az EGT* területén és Svájcban élő vásárlók számára</p> <p>A jelen Yamaha termékre vonatkozó részletes garancia-információk, valamint az EGT*-re és Svájcra kiterjedő garanciális szolgáltatás tekintetében keresse fel webhelyünket az alábbi címen (a webhelyen nyomtatható fájl is talál), vagy pedig lépjen kapcsolatba az országbán működő Yamaha képviselői irodával. * EGT: Európai Gazdasági Térség</p>	Magyar
<p>Oluline märkus: Garantiiteave Euroopa Majanduspiirkonna (EMP)* ja Šveitsi klientidele</p> <p>Täpsema teabe saamiseks selle Yamaha toote garantii ning kogu Euroopa Majanduspiirkonna ja Šveitsi garantiiteeniduse kohta, külastage palun veebisaiti alljärgneval aadressil (meie saidil on saadaval printitav fail) või pöörduge Teie regiooni Yamaha esinduse poole. * EMP: Euroopa Majanduspiirkond</p>	Eesti keel
<p>Svarīgs paziņojums: garantijas informācija klientiem EEZ* un Šveicē</p> <p>Lai saņemtu detalizētu garantijas informāciju par šo Yamaha produktu, kā arī garantijas apkalpošanu EEZ* un Šveicē, lūdzam apmeklējiet zemāk norādīto tīmekļa vietnes adresi (tīmekļa vietnē ir pieejams drukājams fails) vai sazinieties ar jūsu valsti apkalpojošo Yamaha pārstāvniecību. * EEZ: Eiropas Ekonomikas zona</p>	Latviešu
<p>Dėmesio: informacija dėl garantijos pirkėjams EEE* ir Šveicarijoje</p> <p>Jei reikia išsamios informacijos apie šį „Yamaha“ produktą ir jo techninę priežiūrą visoje EEE* ir Šveicarijoje, apsilankykite mūsų svetainėje toliau nurodytu adresu (svetainėje yra spausdinamas failas) arba kreipkitės į „Yamaha“ atstovybę savo šaliai. *EEE – Europos ekonominė erdvė</p>	Lietuvių kalba
<p>Dôležité upozornenie: Informácie o záruke pre zákazníkov v EHP* a Švajčiarsku</p> <p>Podrobné informácie o záruke týkajúce sa tohto produktu od spoločnosti Yamaha a garančnom servise v EHP* a Švajčiarsku nájdete na webovej stránke uvedenej nižšie (na našej webovej stránke je k dispozícii súbor na tlač) alebo sa obráťte na zástupcu spoločnosti Yamaha vo svojej krajine. * EHP: Európsky hospodársky priestor</p>	Slovenčina
<p>Pomembno obvestilo: Informacije o garanciji za kupce v EGP* in Švici</p> <p>Za podrobnejše informacije o tem Yamahinem izdelku ter garancijskem servisu v celotnem EGP in Švici, obiščite spletno mesto, ki je navedeno spodaj (natisljiva datoteka je na voljo na našem spletnem mestu), ali se obrnite na Yamahinega predstavnika v svoji državi. * EGP: Evropski gospodarski prostor</p>	Slovenščina
<p>Важно съобщение: Информация за гаранцията за клиенти в ЕИП* и Швейцария</p> <p>За подробна информация за гаранцията за този продукт на Yamaha и гаранционното обслужване в паневропейската зона на ЕИП* и Швейцария или посетете посочения по-долу уеб сайт (на нашия уеб сайт има файл за печат), или се свържете с представителния офис на Yamaha във вашата страна. * ЕИП: Европейско икономическо пространство</p>	Български език
<p>Notificare importantă: Informații despre garanție pentru clienții din SEE* și Elveția</p> <p>Pentru informații detaliate privind acest produs Yamaha și serviciul de garanție Pan-SEE* și Elveția, vizitați site-ul la adresa de mai jos (fișierul imprimabil este disponibil pe site-ul nostru) sau contactați biroul reprezentanței Yamaha din țara dumneavoastră. * SEE: Spațiul Economic European</p>	Limba română

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