



DIGITAL PIANO

# *ARIUS*

YDP-165

YDP-145

YDP-S55

YDP-S35

## Owner's Manual

Before using the instrument, be sure to read "PRECAUTIONS" on pages 4-5.  
For information on assembling the instrument, refer to the instructions at the end of this manual.

# 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. Com-

pliance 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 cannot locate the appropriate retailer, please contact Yamaha Corporation of America, 6600 Orangethorpe Ave., Buena Park, CA90620, USA.

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

(529-M04 FCC class B YCA 01)

## COMPLIANCE INFORMATION STATEMENT (Supplier's 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: YDP-165, YDP-145, YDP-S55, YDP-S35

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.

(529-M02 FCC sdoc YCA 01)

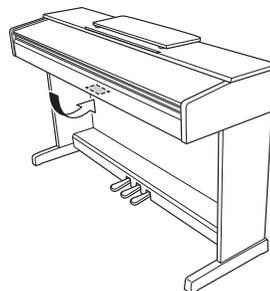
The model number, serial number, power requirements, etc., may be found on or near the name plate, which is at the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

**Model No.**

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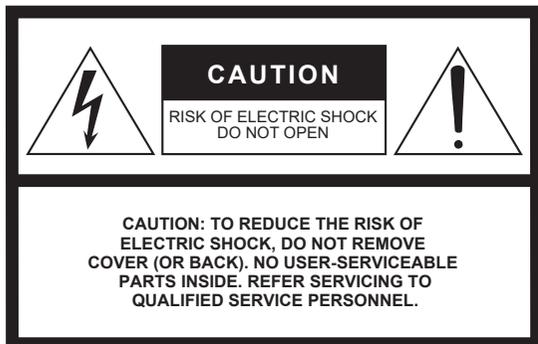
**Serial No.**

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(1003-M06 plate bottom en 01) The name plate is located on the bottom of the unit.

## For AC adaptor



### 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.

# PRECAUTIONS

## PLEASE READ CAREFULLY BEFORE PROCEEDING

Especially in the case of children, a guardian should provide guidance on how to properly use and handle the product before actual use.

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

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- (YDP-165, YDP-S55) 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.
- Do not touch the product or the power plug during an electrical storm.
- Only use the correct voltage specified for the product. The required voltage is printed on the name plate of the product.
- Use the specified AC adaptor (page 41).
- (YDP-165, YDP-S55) Use only the supplied power cord. Do not use the power cord for other products.
- Check the power plug periodically and remove any dirt or dust which may have accumulated on it.
- Insert the power plug firmly all the way into the AC outlet. Using the product when it is not plugged in sufficiently can cause dust to accumulate on the plug, possibly resulting in fire or skin burns.
- 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, as long as the power cord is not unplugged from the wall AC outlet, the product will not be disconnected from the power source.
- Do not connect the product to an electrical outlet using a multi-plug outlet extender. Doing so can result in lower sound quality, or possibly cause overheating in the outlet.
- When disconnecting the power plug, always hold the plug itself and not the cord. Pulling by the cord can damage it and cause electric shocks or a fire.
- If not using the product for long periods of time, be sure to pull the power plug from the AC outlet.

### Do not disassemble

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- This product contains no user-serviceable parts. Do not attempt to disassemble the internal parts or modify them in any way.

### Water warning

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- Do not expose the product 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 or places where water may drop. A liquid such as water getting into the product may cause a fire, electric shocks, or malfunctions.
- Use the AC adaptor indoors only. Do not use in any wet environments.
- Never insert or remove a power plug with wet hands.

### Fire warning

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- Do not place any burning items or open flames near the product, since they may cause a fire.

### Using the bench (if included)

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- 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.
- 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.

## If you notice any abnormality

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- If any of the following problems occur, immediately turn off the power switch and disconnect the power plug from the outlet. Finally have the device inspected by Yamaha service personnel.
  - The power cord or plug becomes frayed or damaged.
  - Unusual smells or smoke are emitted.



## CAUTION

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

### Assembly

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- Assemble the product in the proper sequence by following the assembly instructions in this manual. Also, make sure to tighten the screws or bolts regularly. Failure to do so might result in damage to the product or even injury.
- (YDP-S55, YDP-S35) Be sure to attach the anti-fall brackets to the product, to ensure stability (page 37). Failure to do so might result in damage to the product or even injury.

### Location

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- Do not place the product in an unstable position or a location with excessive vibration, where it might accidentally fall over and cause injury.
- Do not go near the product during an earthquake. Strong shaking during an earthquake could cause the product to move or tip over, resulting in damage to the product or its parts, and possibly causing injury.
- When transporting or moving the product, always use two or more people. Attempting to lift the product by yourself may result in injuries, such as back injuries, or cause the product to be dropped and broken, which could lead to other injuries.
- Before moving the product, remove all connected cables, to prevent damage to the cables or injury to anyone who might trip over them.

### Connections

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- Before connecting the product 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 product to set the desired listening level.

- Some object, or water has been dropped into the product.
- There is a sudden loss of sound during use of the product.
- Cracks or other visible damage appear on the product.

### Handling

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- Do not insert your finger or hand in any gaps on the key cover or product. Also take care that the key cover does not pinch your finger.
- Do not insert foreign materials such as metal or paper into any openings or gaps of the product. Failure to observe this may cause a fire, electric shocks, or malfunctions.
- (YDP-S55, YDP-S35) Do not apply excessive force when closing the key cover. A key cover equipped with the SOFT-CLOSE™ mechanism closes the cover slowly. Applying excessive force to the key cover when closing it could damage the SOFT-CLOSE™ mechanism, and possibly result in injury to your hands and fingers caught under the closing key cover.
- Do not rest your weight on, or place heavy objects on the product, and do not use excessive force on the buttons, switches or connectors.
- Keep small parts out of the reach of infants. Your children may accidentally swallow them.
- Do not use the product 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.
- Remove the power plug from the AC outlet before cleaning the unit. Failure to observe this may cause electric shocks.

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

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

Even when the [⏻] (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 app on your smart device, such as a smartphone or tablet, we recommend that you enable “Airplane Mode” on the device 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 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 instrument.

### ■ 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.
- 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 of the data of this instrument (page 31) are retained when the power is turned off. However, the saved data may be lost due to some failure, an operation mistake, etc.

## Information

### ■ About copyrights

- The copyright of the “content”<sup>\*1</sup> installed in this product belongs to Yamaha Corporation or its copyright holder. Except as permitted by copyright laws and other relevant laws, such as copying for personal use, it is prohibited to “reproduce or divert”<sup>\*2</sup> without the permission of the copyright holder. When using the content, consult with a copyright expert.
- If you create music or perform with the contents through the original use of the product, and then record and distribute them, the permission of Yamaha Corporation is not required regardless of whether the distribution method is paid or free of charge.
  - \*1: The word “content” includes a computer program, audio data, Accompaniment Style data, MIDI data, waveform data, voice recording data, music score, and score data, etc.
  - \*2: The phrase “reproduce or divert” includes taking out the content itself in this product, or recording and distributing it without changes in a similar manner.

### ■ 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.

### ■ About this manual

- The illustrations as shown in this manual are for instructional purposes only.
- Windows is a registered trademark of Microsoft® Corporation in the United States and other countries.
- “QR Code” is a registered trademark of DENSO WAVE INCORPORATED.
- 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 disposal

- When disposing of this product, please contact the appropriate local authorities.

#### Button names

The names of panel buttons are enclosed in square brackets [ ]. Also, the word “button” is omitted throughout this manual (for example, the PLAY button is expressed as [PLAY]).

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Thank you for choosing this Yamaha digital piano.  
This instrument provides exceptionally high-quality sound  
and expressive control for your playing enjoyment.

In order to make the most of the performance potential and features of the instrument,  
please read the manuals thoroughly, and keep them in a handy place for later reference.

## About the Manuals

This instrument has the following manuals.

### ■ Included Manuals

- **Owner's Manual (this book)**  
Explains how to use the instrument.

### ■ Online Manuals

- **Quick Operation Guide**  
Shows in chart form the functions assigned to the buttons and the keyboard for quick understanding.



[https://manual.yamaha.com/mi/kb-ekb/ydp-165\\_s55/](https://manual.yamaha.com/mi/kb-ekb/ydp-165_s55/)

- **Smart Device Connection Manual**  
Explains how to connect the instrument to a smartphone or tablet, etc.
- **Computer-related Operations**  
Includes instructions on connecting this instrument to a computer, and operations related to transferring song data.
- **MIDI Reference**  
Contains the MIDI Data Format and MIDI Implementation chart, as well as descriptions on MIDI functions such as MIDI channel and Local Control settings.

To obtain these materials, access the Yamaha Downloads website, then enter the model name for searching the desired files.

#### Yamaha Downloads

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

## Included Accessories

- Owner's Manual (this book) × 1
- "50 Classical Music Masterpieces" (music book) × 1
- Online Member Product Registration × 1
- AC adaptor\* × 1
- Power cord\* × 1 (YDP-165, YDP-S55)
- Bench\* × 1 (YDP-165, YDP-145)

\* May not be included depending on your particular area. Please check with your Yamaha dealer.



### Smart device application – "Smart Pianist"

With the specially developed "Smart Pianist" app running on your smart device, you can remotely control your digital piano for even more convenience and flexibility. By presenting various parameters on-screen, this app allows you to make settings in a visual, more intuitive manner. For more details on "Smart Pianist," refer to the following Yamaha web site.

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

For instructions on connecting the instrument to a smart device, Connection Wizard in "Smart Pianist" will guide you according to the operating condition and environment. To start the Connection Wizard, tap "☰" (Menu) located at the upper left of the screen to open the Menu display, and then tap "Instrument" → "Start Connection Wizard."

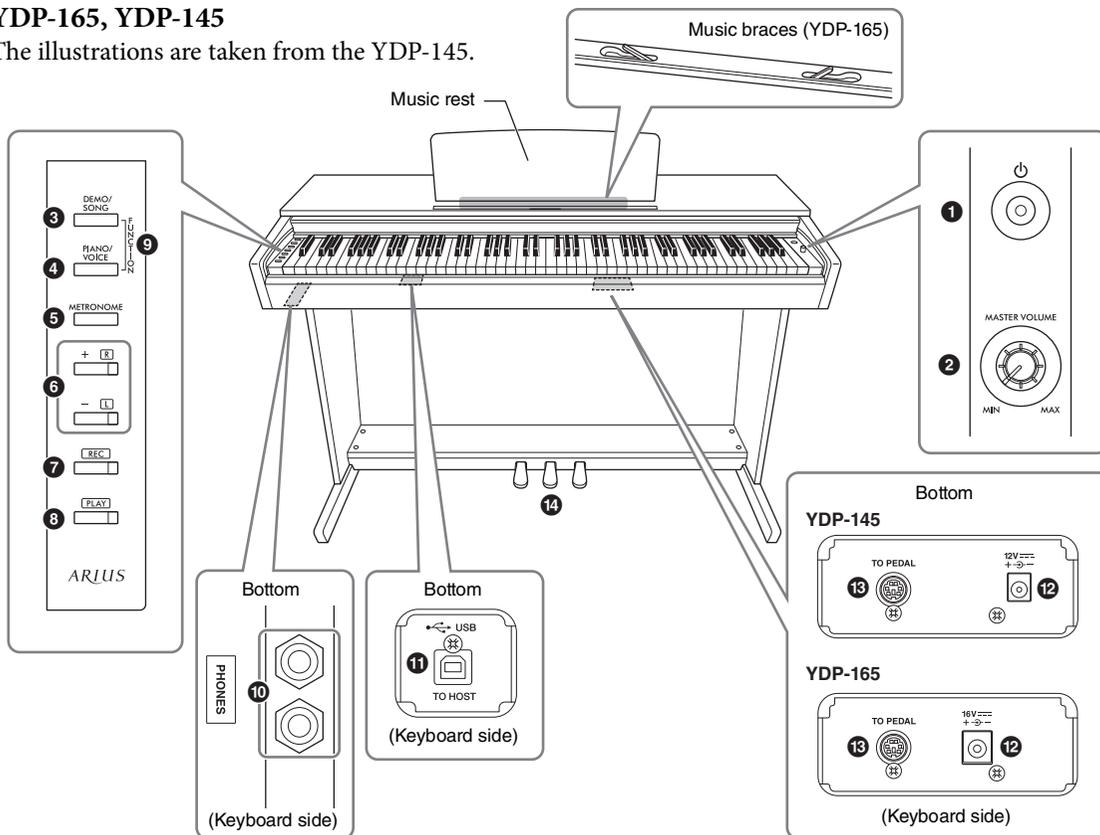
#### NOTE

This instrument does not support wireless connection. Please select "Cable" in the selection of the connection method to the Smart Pianist.

# Panel Controls and Terminals

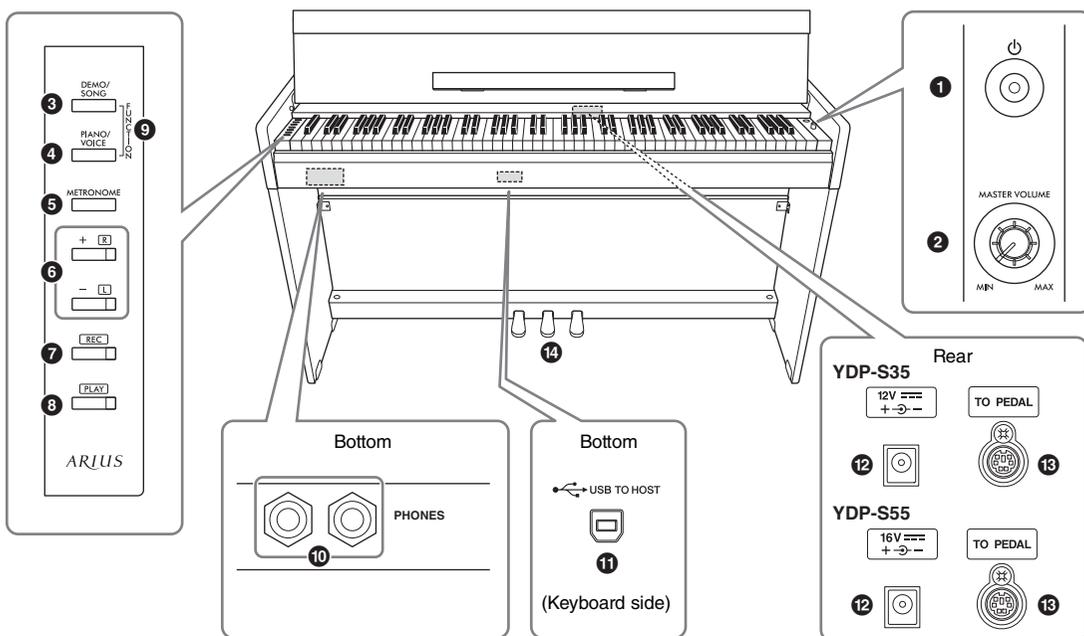
## YDP-165, YDP-145

The illustrations are taken from the YDP-145.



## YDP-S55, YDP-S35

The illustrations are taken from the YDP-S55.



❶ [⏻] (Standby/On) switch..... page 13  
For turning the power on or setting to standby.

❷ [MASTER VOLUME] knob ..... page 14  
For adjusting the volume of the entire sound.



**⚠ CAUTION**

Do not use this instrument at a high volume level for a long period of time, to avoid damaging your hearing.

❸ [DEMO/SONG] button..... pages 21, 26  
For playing the Demo Songs, 50 Classical Masterpieces, and lesson songs.

❹ [PIANO/VOICE] button ..... pages 20, 22, 24  
For selecting a single Voice, two Voices for layering or a Reverb Type.

❺ [METRONOME] button ..... page 19  
For starting or stopping the metronome.

❻ [+R], [-L] buttons ..... pages 19, 20, 26, 27

- In general, these are for selecting the next or previous Voice.
- During Song playback, these are for selecting the next or previous Song, and (while holding down [PLAY]) turning on/off the right-hand and left-hand Parts individually.
- During Metronome playback, these are for increasing or decreasing the Tempo.

❼ [REC] button ..... page 28  
For recording your keyboard performance.

❽ [PLAY] button..... page 28  
For playing back the recorded performance.

❾ [FUNCTION] ..... pages 14, 23  
Simultaneously holding both [DEMO/SONG] and [PIANO/VOICE] and pressing a specified key allows you to change various settings, including Auto Power off function, Transpose parameters, etc.

❿ [PHONES] jacks..... page 15  
For connecting a set of standard stereo headphones.

**Headphone hanger (YDP-165 only)**

You can hang the headphones on this instrument when not using them.

For instructions on installing the headphone hanger, refer to “Keyboard Stand Assembly” on page 36.

**NOTICE**

Do not hang anything other than the headphones on the hanger.  
Doing so may damage this instrument or the hanger.

⓫ [USB TO HOST] terminal ..... page 30  
For connecting to a computer or a smart device.

⓬ DC IN jack..... page 13  
For connecting the AC adaptor.

⓭ [TO PEDAL] jack ..... pages 36, 39  
For connecting the pedal cord.

⓮ Pedals ..... page 17  
For controlling expression and sustain, just as on an acoustic piano.

## Setting Up

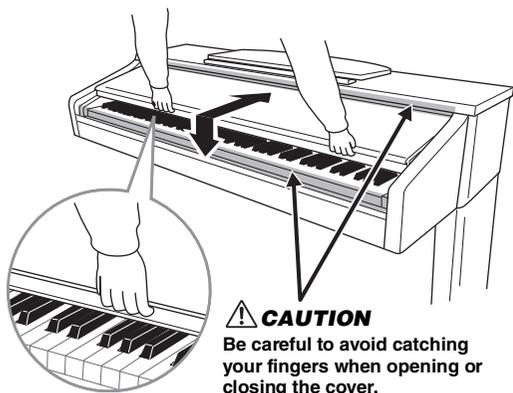
### Key Cover (YDP-165, YDP-145)

#### To open the key cover:

Lift the cover slightly, then push and slide it to the end.

#### To close the key cover:

Slide the cover toward you and gently lower the cover over the keys.

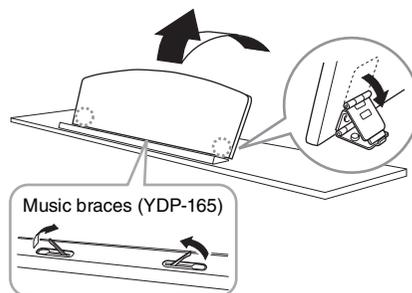


#### **CAUTION**

- 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 main unit.
- Do not place objects, such as a piece of metal or 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. This could cause electric shock, short circuit, fire or other serious damage to the instrument.

### Music Rest (YDP-165, YDP-145)

#### To raise the music rest:



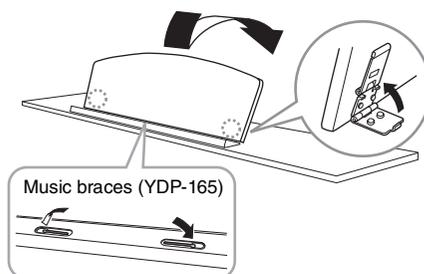
1. Pull the music rest up and toward yourself as far as it will go.
2. Flip down the two metal supports at the left and right on the rear of the music rest.
3. Lower the music rest so that the metal supports latch into place.

(YDP-165) Music braces allow you to hold the pages of music books in place.

#### **CAUTION**

Do not try to use the music rest in a half-raised position. When lowering the music rest, do not release your hands from the music rest until it is all the way down.

#### To lower the music rest:



(YDP-165) Close the Music braces if they are open, and then lower the music rest by following the instructions below.

1. Pull the music rest toward yourself as far as it will go.
2. Raise the two metal supports (at the rear of the music rest).
3. Gently lower the music rest backward until it is all the way down.

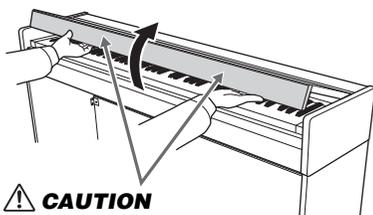
## Key Cover and Music Rest (YDP-S55, YDP-S35)

### ⚠ CAUTION

Hold the key 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 key cover and main unit.

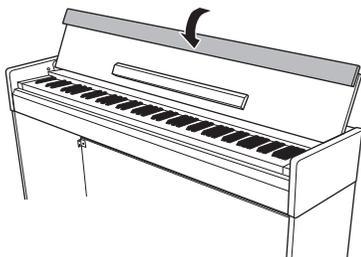
### Opening the key cover

1. Hold the edge of the key cover top with both hands, then open the key cover slowly.
2. Fold down the front part of the key cover.

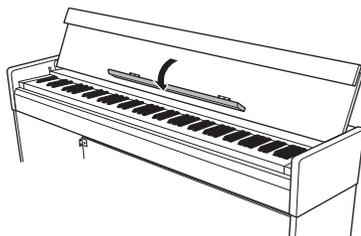


### ⚠ CAUTION

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



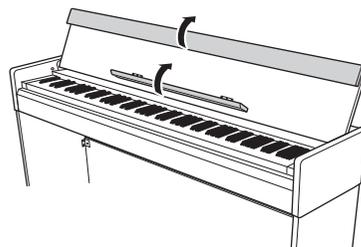
3. Unfold the music rest.



### Closing the key cover

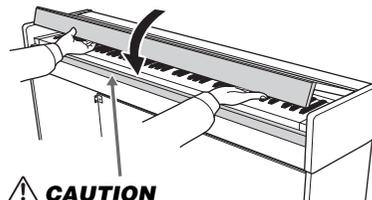
1. Fold the music rest.
2. Unfold the front part of the key cover.
3. Hold the key cover with both hands and close it slowly.

The key cover is equipped with the special SOFT-CLOSE™ mechanism which closes the cover slowly.



### NOTICE

Before closing the key cover, be sure to fold the music rest and unfold the front part of the key cover.



### ⚠ CAUTION

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

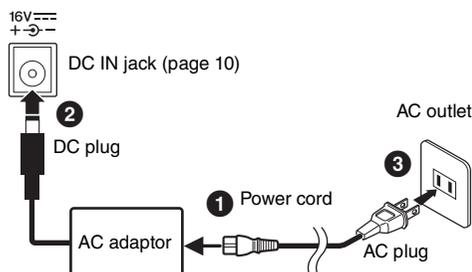
### ⚠ CAUTION

Do not apply excessive force when closing the key cover. Applying excessive force to the key cover when closing it could damage the SOFT-CLOSE™ mechanism, and possibly result in injury to your hands and fingers caught under the closing key cover.

## Turning the Power On

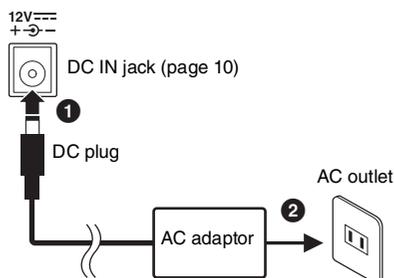
### 1. Connect the plugs of the AC adaptor in the order shown in the illustration.

YDP-165, YDP-S55



The shape of the plug and outlet differ depending on the locale.

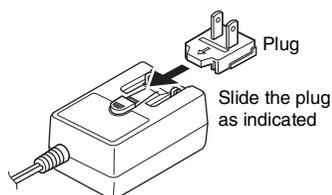
YDP-145, YDP-S35



Follow the order shown above in reverse when disconnecting the AC adaptor.

#### ⚠ WARNING

- Use the specified adaptor (page 41) only. The use of other adaptors may result in irreparable damage to both the adaptor and the instrument.
- 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 the power off and disconnect the plug from the outlet.
- When using the AC adaptor with a removable plug,
  - Make sure to keep the plug attached to the AC adaptor. Using the plug alone can cause electric shock or fire.
  - If the plug is accidentally removed from the AC adaptor, never touch the metallic section when attaching the plug. To avoid electric shock, short circuit or damage, also be careful that there is no dust between the AC adaptor and plug.

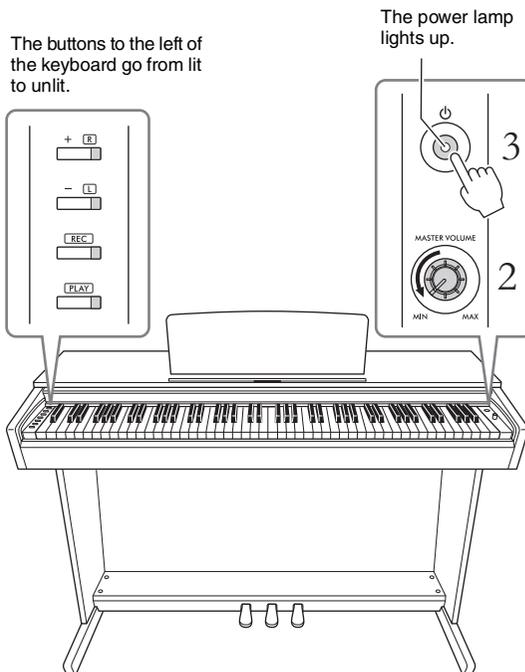


The shape of the plug and outlet differ depending on the locale.

### 2. Turn down the [MASTER VOLUME] knob to “MIN.”

### 3. Press the [⏻] (Standby/On) switch to turn the power on.

The lamps on the buttons to the left of the keyboard light up, and when they go out, the instrument starts up.



### 4. Press the [⏻] (Standby / On) switch again for 1 second to turn off the power.

The power indicator turns off.

#### ⚠ CAUTION

Even when the [⏻] (Standby/On) switch is in the standby status, electricity is still flowing to the instrument at a minimum level. When not using the instrument for an extended period of time, be sure to unplug the power cord from the wall AC outlet.

#### NOTICE

Press only the [⏻] (Standby/On) switch when turning the power on. Any other operations, such as pressing the keys, buttons or pedals may cause the instrument to malfunction.

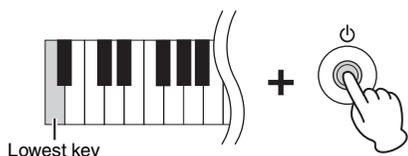
## Auto Power Off Function

To prevent unnecessary power consumption, this function automatically turns the power off if the instrument is not operated for 30 minutes.

**Default setting:** Enabled

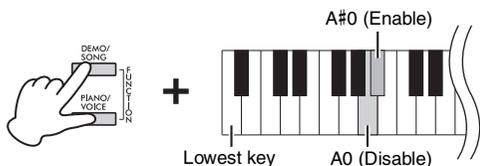
### Disabling Auto Power Off (simple method)

While holding down the A-1 key (the lowest key), press the [⏻] (Standby/On) switch to turn the instrument on. The [REC] indicator flashes three times, indicating the Auto Power Off function has been disabled.



### Switching the Auto Power Off Function (Enable/Disable)

While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press the A#0 key to enable the Auto Power Off function or the A0 key to disable it.



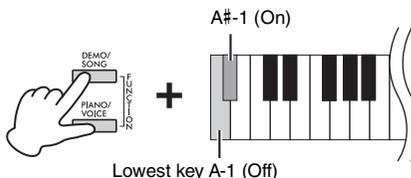
## Setting the Operation Confirmation Sounds

When a setup is changed using a button and key combination, an operation sound (on, off, click, tempo value input) is sounded. This confirmation sound can be enabled (on) or disabled (off) as desired.

**Default setting:** On

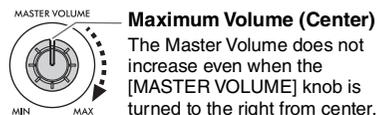
## Turning the Operation Confirmation Sounds On/Off

While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press the A#-1 key to turn the sounds on or the A-1 key to turn the sounds off.



## Volume Limiter Function

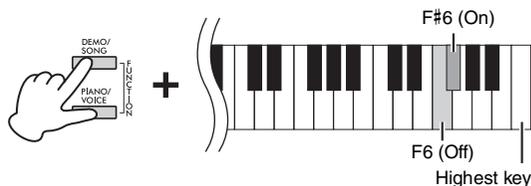
When this function is on, the Master Volume does not increase even when the [MASTER VOLUME] knob is turned to the right from center. The maximum volume is lower, compared to when this function is not used, so that you can protect hearing when using the headphones or prevent loud sound from coming out of the speakers.



**Default setting:** Off

### Volume Limiter On/Off setting

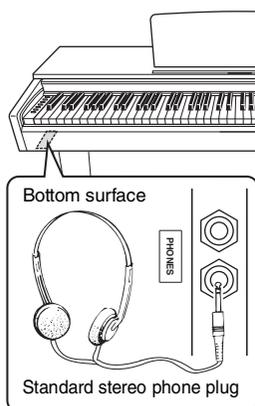
While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press the F#6 key to turn the function on or the F6 key to turn the function off.



**NOTICE**  
When turning this function off, if the [MASTER VOLUME] knob is turned to the right from center, loud noises may occur. Make sure that the knob is turned to the left from center, and then turn this function off.

## Using Headphones

Since this instrument is equipped with two [PHONES] jacks, you can connect two sets of standard stereo headphones. If you are using only one set of headphones, insert a plug into either jack, which automatically shuts off the speakers according to the default setting.



### ⚠ CAUTION

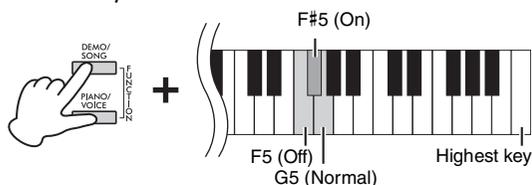
Do not use headphones at a high volume for an extended period of time; doing so may cause hearing loss.

### NOTE

If you are using an adaptor plug, be sure to remove this as well when unplugging the headphones. No sound will come out of the instrument's speakers if the adaptor plug is left connected.

## Speaker On/Off setting

You can set whether the sound of this instrument is always output from its built-in speaker or not. While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press one of the F5 – G5 key.



**Default setting:** Normal

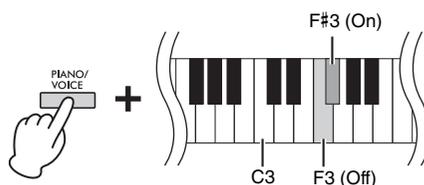
Off (F5 key)	The speaker will not sound.
On (F#5 key)	The speaker will always sound regardless of whether a set of headphones is connected or not.
Normal (G5 key)	The speaker will sound only if headphones are not connected.

## Reproducing a natural sense of distance (Stereophonic Optimizer)

The Stereophonic Optimizer gives you the feeling of playing an actual acoustic piano — even though you're listening through headphones. Normally, the sound comes out from headphones sounds very close to your ears. However, this Stereophonic Optimizer effect recreates a natural distance or the sense of physical space between your ears and the instrument, just as when playing an acoustic piano.

**Default setting:** On

While holding down [PIANO/VOICE], press the F#3 key to turn the function on or the F3 key to turn the function off.



### NOTE

The Stereophonic Optimizer affects only Piano Voices (page 20).

# Playing the Piano

## Intelligent Acoustic Control (IAC)

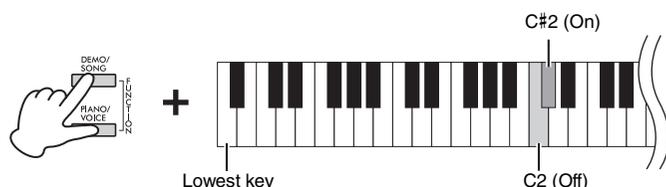
IAC is a function which automatically adjusts and controls the sound quality according to the overall volume of the instrument. IAC Control is effective only on the sound output of the instrument speakers or headphones. Even when the volume is low, this lets you hear both low sounds and high sounds clearly. Especially when using the headphones, the burden on the ears is reduced without raising the overall volume excessively.

**Default setting:**

On

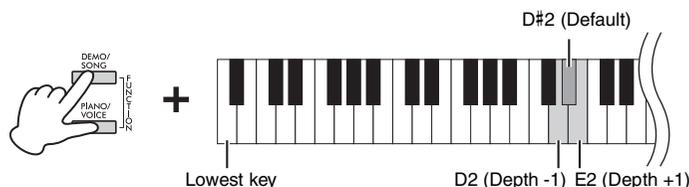
### To turn on/off IAC:

While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press the C#2 key to turn the function on or the C2 key to turn the function off.



### To adjust IAC Depth:

While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press the D2 key to decrease the value, or the E2 key to increase.



The higher the value, the more clearly that low and high sounds are heard at lower volume levels.

**Setting range:**

-3 - +3

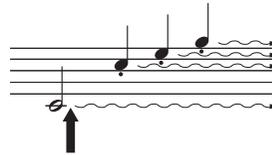
**Default setting:**

0

## Using the Pedals

### Damper Pedal (Right)

When you press the damper pedal, the notes you play have a longer sustain. When you select a Piano Voice, pressing the damper pedal also activates the VRM Lite function (page 18) to accurately recreate the unique resonance of an acoustic grand piano's strings. Moreover, 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.

#### 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 39).

#### Half-pedal function

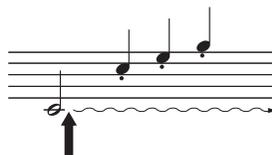
This function allows you to vary the sustain length depending on how far the pedal is pressed. The farther down you press the pedal, the more the sound sustains. For example, if you press the damper pedal and all notes you are playing sound a bit murky and loud with too much sustain, you can release the pedal half way or higher to decrease the sustain (murkiness).

### Sostenuto Pedal (Center)

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.

While the sostenuto pedal is held, the Organ and Strings Voices (page 20) continuously without decay after the notes have been released.



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

### Soft Pedal (Left)

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.

Keep in mind that this pedal function will be changed from the Soft pedal depending on the selected Voice.

When Jazz Organ Voice (page 20) is selected, pressing the left pedal switches between fast/slow rotation of the rotary speaker.

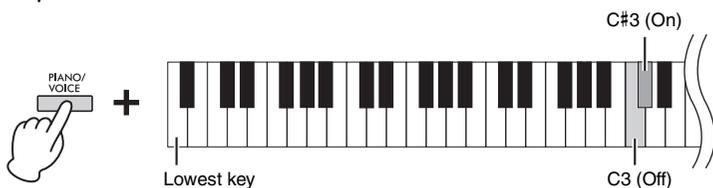
When the Vibraphone Voice (page 20) is selected, the left pedal switches Vibrato on and off.

## Using the VRM Lite Function

The VRM (Virtual Resonance Modeling) Lite technology featured in this instrument reproduces sophisticated string resonance faithfully using a virtual musical instrument (physical modeling), and makes the sound more like that of a real acoustic piano. Since instantaneous resonance is made at the moment according to the state of the keyboard or pedal, you can vary the sound expressively by changing the timing of your pressing the keys, and the timing and depth of your pressing the pedal. This function affects only to the Piano Voices (page 20).

### To turn on/off the VRM Lite:

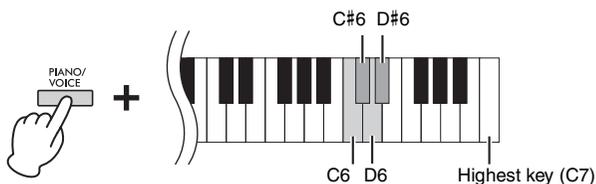
While holding [PIANO/VOICE], press the C#3 key to turn the function on or the C3 key to turn the function off.



**Default setting:**  
On

## Changing the Touch Sensitivity

You can specify the Touch Sensitivity (how the sound responds to your playing strength). This setting does not change the weight of the keyboard. While holding down [PIANO/VOICE], press one of the C6 – D#6 keys.



**NOTE**  
This setting is disabled with some Voices, such as an organ sound.

**Default setting:**  
C#6 (Medium)

### Touch Sensitivity List

Key	Touch Sensitivity	Description
C6	Soft	Produces relatively high volume even with light playing strength.
C#6	Medium	Standard Touch Sensitivity.
D6	Hard	Requires strong playing to produce high volume.
D#6	Fixed	The volume level will be the same regardless of how hard you play the keys.

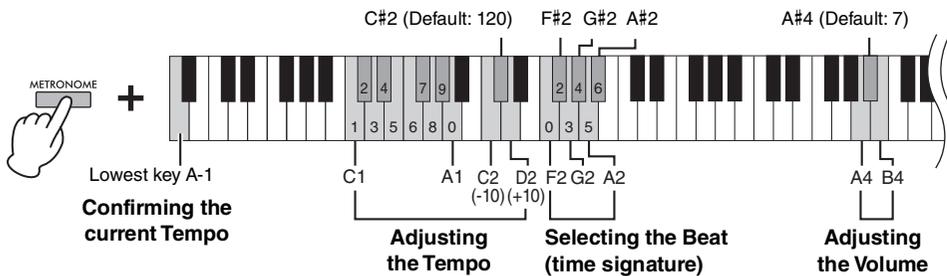
## Using the Metronome

The metronome feature is convenient for practicing with an accurate tempo.

1. Press [METRONOME] to start the Metronome.
2. Press [METRONOME] to stop the Metronome.

### Metronome setting

While holding down the [METRONOME], press one of the highlighted keys (shown below) or [+R]/[-L] to set the Metronome parameter.



### Voice confirmation of current Tempo value (in English)

While holding down [METRONOME], press the A-1 key (lowest key).

### Adjusting the Tempo

The Metronome tempo can be set from 5 to 280 beats per minute.

- **To increase or decrease the value by 1:**

While holding down [METRONOME], press [+R] to increase or [-L] to decrease. While the metronome is playing, press [+R] to increase or [-L] to decrease.

- **To increase or decrease the value by 10:**

While holding down [METRONOME], press the D2 key to increase or the C2 key to decrease.

- **To specify a numeric value:**

While holding down [METRONOME], press the relevant C1 – A1 keys one by one in order. Specifying three digits or releasing [METRONOME] after specifying one or two digits will enter the value.

- **Resetting the value to the default (120)**

While holding down [METRONOME], press [+R] and [-L] simultaneously, or press the C#2 key. While the metronome is playing, press [+R] and [-L] simultaneously.

### Selecting the Beat (time signature)

While holding down [METRONOME], press one of the F2 – A#2 keys. The first beat is accented with a bell sound and the rest with clicks. Default setting is 0 (F2). In this setting, clicks sound in all beats.

### Adjusting the Volume

While holding down [METRONOME], press the B4 key to increase the volume or the A4 key to decrease. To reset to the default setting, press the A#4 key while holding down [METRONOME].

#### NOTE

A numeric value is read out when a relevant key is pressed. If the entered value is outside the setting range, it will be ignored.

Key	Beat (time signature)
F2	0 (no accent)
F#2	2
G2	3
G#2	4
A2	5
A#2	6

#### Setting range:

1 – 10

#### Default setting:

7 (A#4)

## Playing Various Musical Instrument Sounds (Voices)

### Selecting a Voice

#### To select “CFX Grand”:

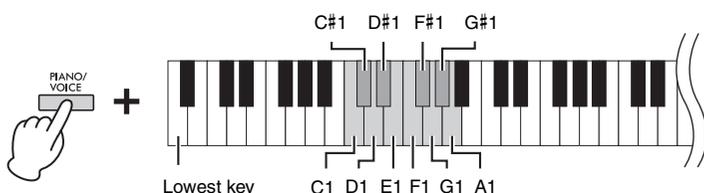
Simply press [PIANO/VOICE].

#### To select another Voice:

After pressing [PIANO/VOICE], press [+R] or [-L] to select the next or previous Voice.

#### To select a specific Voice:

While holding down [PIANO/VOICE], press one of the C1 – A1 keys. For details on which Voice is assigned to each key, see the list below.



#### NOTE

To hear the characteristics of the Voices, play back the Demo Songs (page 21).

### Voice List

Key	Voice Name	Voice description
C1	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#1	Mellow Grand*	Grand piano sound with a soft and warm tone. Good for playing ballads.
D1	Pop Grand*	Bright piano sound. Good for clear expression and "cutting through" other instruments in an ensemble.
D#1	Stage E.Piano	The sound of an electric piano using hammer-struck metallic "tines." Soft tone when played lightly, and an aggressive tone when played hard.
E1	DX E.Piano	An electronic piano sound created by FM synthesis. Good for standard popular music.
F1	Harpsichord	The definitive instrument for baroque music. Since harpsichord uses plucked strings, there is no touch response. There is, however, a characteristic additional sound when the keys are released.
F#1	Vibraphone	Vibraphone played with relatively soft mallets. The tone becomes more metallic the harder you play.
G1	Pipe Organ	This is a typical pipe organ sound (8' + 4' + 2'). Good for sacred music from the Baroque period.
G#1	Jazz Organ	The sound of a "tonewheel" type electric organ. Often heard in jazz and rock music.
A1	Strings	Stereo-sampled, large-scale strings ensemble with realistic reverb. Try combining this Voice with piano in the Dual mode.

\*Piano Voices.

## Listening to the Demo Songs

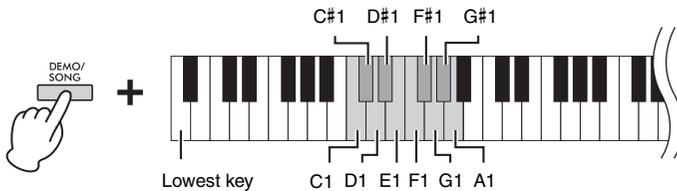
Special individual Demo Songs are provided for all of the instrument Voices.

### 1. Press [DEMO/SONG] to start playback.

The Demo Song for the current Voice starts. During playback, the [PLAY] lamp flashes at the current tempo.

Starting with the selected Song, the playback of the Demo Songs will continue.

After the last Demo Song, the sequence then returns to the first Demo Song and repeats until you stop it. To change to a specific Demo Song, simultaneously hold down [DEMO/SONG], and then press and hold one of the C1-A1 keys.



#### To play back the selected Demo Song repeatedly:

While holding down the [DEMO/SONG], press and hold one of the C1-A1 keys. The operation sound (page 14) sounds twice and the Demo Song can be played back repeatedly.

#### To change the Demo Song during playback:

Press [+R] or [-L] to change to the next or previous Demo Song.

If you change to the next or previous Demo Song during repeated playback, that Demo song will also play back repeatedly.

### 2. Press [DEMO/SONG] or [PLAY] to stop playback.

The [PLAY] lamp turns off.

## Demo Song List

Key	Voice Name	Title	Composer
C1	CFX Grand	Valse No.2 As dur op.34-1 "Valse Brillante"	F. F. Chopin
C#1	Mellow Grand	The Nutcracker Medley	P. I. Tchaikovsky
D1	Pop Grand	Original	—
D#1	Stage E.Piano	Original	—
E1	DX E.Piano	Original	—
F1	Harpsichord	Concerto a cembalo obbligato, 2 violini, viola e continuo No.7, BWV 1058	J. S. Bach
F#1	Vibraphone	Original	—
G1	Pipe Organ	Herr Christ, der ein'ge Gottes-Sohn, BWV 601	J. S. Bach
G#1	Jazz Organ	Original	—
A1	Strings	Original	—

The length and actual content of the Demo Songs (excluding the original Songs) may differ from the original compositions. The original Demo Songs are Yamaha originals (© Yamaha Corporation).

#### NOTE

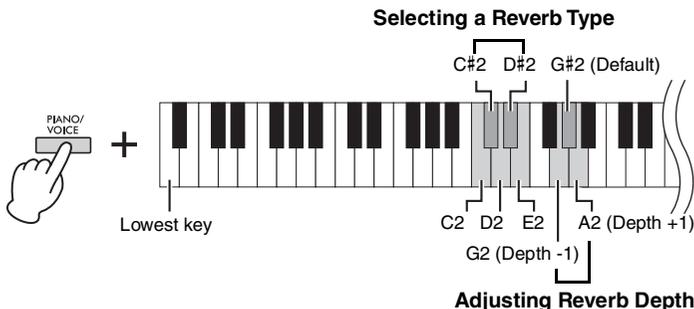
If you want to change the playback tempo, see page 19.

## Adding Variations to the Sound (Reverb)

This instrument features several Reverb Types that add extra depth and expression to the sound to create a realistic acoustic ambience. The appropriate Reverb Type and Depth are called up automatically when you select each of the Voices and Songs. This is why the Reverb Type need not be selected; however, you can change it if desired.

### To select a Reverb Type:

While holding down [PIANO/VOICE], press one of the C2 – E2 keys.



**NOTE**

In Dual Mode (page 24), an optimum reverb type for the combination of Voices is assigned automatically.

### Reverb Type List

Key	Reverb Type	Description
C2	Recital Hall	Simulates the clear reverb sound you would hear in a medium-sized concert hall for piano recitals.
C#2	Concert Hall	Simulates the gorgeous reverb sound you would hear in a large concert hall for orchestral performances.
D2	Chamber	Suitable for playing chamber music; simulates the intimate reverb sound you would hear in a spacious room, such as for classical music recitals.
D#2	Club	Simulates the vivid reverb sound you would hear in a live music venue or a jazz club.
E2	Off	No effect is applied.

### To adjust Reverb Depth:

The higher the value, the greater the depth, and the lower the value, the lesser the depth.

While holding down [PIANO/VOICE], press the G2 key to decrease the value by 1 or the A2 key to increase the value by 1.

While holding down [PIANO/VOICE], press the G#2 key to reset the Reverb Depth to the default setting, which is the most suitable value for the current Voice.

**Setting range:**

0 (no effect) – 20 (maximum depth)

## 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. For example, if “+5” is selected, playing key C produces pitch F, letting you play a song of F major as though it were in C major.

### To transpose the pitch down:

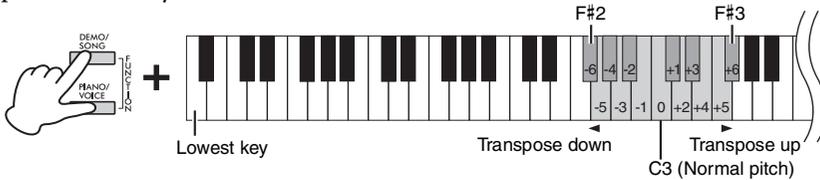
While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press a key between F#2 (-6) and B2 (-1).

### To transpose the pitch up:

While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press a key between C#3 (+1) and F#3 (+6).

### To restore the normal pitch:

While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press the C3 key.



### NOTE

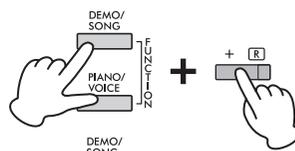
The transposition setting affects not only the pitch of the keyboard but also the pitch of the Song playback (page 26). The transposition setting of the Transposition for the Keyboard and the Song cannot be set independently.

## Fine-tuning the Pitch

You can fine-tune the pitch of the entire instrument in about 0.2 Hz steps. This lets you accurately match the keyboard pitch to that of other instruments or ensembles.

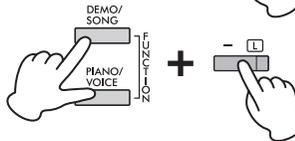
### To tune up (in about 0.2 Hz steps):

Press and hold down [DEMO/SONG] and [PIANO/VOICE] simultaneously, and press [+R].



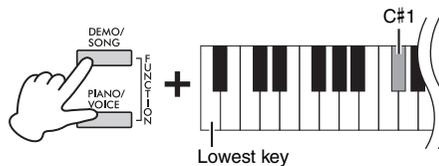
### To tune down (in about 0.2 Hz steps):

Press and hold down [DEMO/SONG] and [PIANO/VOICE] simultaneously, and press [-L].



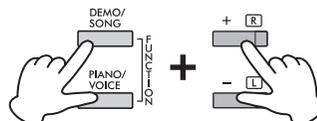
### To set the pitch to 442.0 Hz:

Press and hold down [DEMO/SONG] and [PIANO/VOICE] simultaneously, and press the C#1 key.



### To restore default pitch (440.0 Hz):

While simultaneously holding down [DEMO/SONG] and [PIANO/VOICE], press [+R] and [-L] simultaneously. Alternately, you can press the C1 key while holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously.



### Hz (Hertz)

This unit of measurement refers to the frequency of a sound and represents the number of times a sound wave vibrates in a second.

### Setting range:

414.8 – 466.8 Hz

### Default setting:

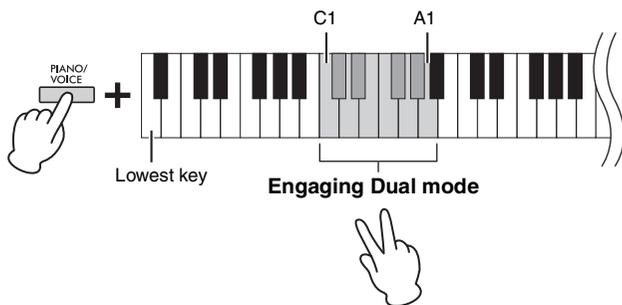
A3 = 440.0 Hz

## Layering Two Voices (Dual mode)

You can layer two Voices and play them simultaneously to create a more richly textured sound.

### 1. Engage the Dual mode.

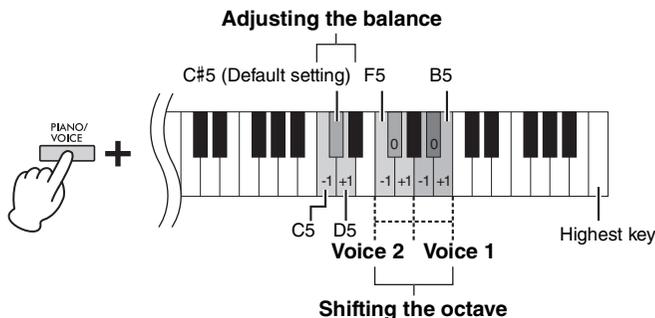
While holding down [PIANO/VOICE], simultaneously hold down two keys between C1 and A1 to select the two desired Voices. For information on which Voices are assigned to the keys, refer to “Voice List” (page 20).



The Voice assigned to the lower key will be designated as Voice 1, and the Voice assigned to the higher key will be designated as Voice 2. You cannot assign the same Voice to both Voice 1 and Voice 2 simultaneously in Dual mode.

#### To shift the Octave for each Voice:

While holding down [PIANO/VOICE], press one of the keys F5 – G5 or A5 – B5 as shown in the illustration below. For example, pressing the B5 key twice while holding down [PIANO/VOICE] shifts Voice 1 up by two octaves. To restore the default setting, simultaneously hold down [PIANO/VOICE] and press the A#5 key for Voice 1 or the F#5 key for Voice 2.



#### To adjust the Balance between two Voices:

While holding down [PIANO/VOICE], press the C5 key to decrease the value or the D5 key to increase. When the value is set to “0,” the volume levels of the two Voices reset to their respective default settings. Settings below “0” increase the volume of Voice 2, while settings above “0” increase the volume of Voice 1, in relation to the other.

### 2. To exit from Dual mode, press [PIANO/VOICE].

#### NOTE

The Dual and Duo modes (page 25) cannot be engaged at the same time.

#### Setting range:

-2 - 0 - +2

#### Setting range:

-6 - (Default Setting) - +6

#### Default setting:

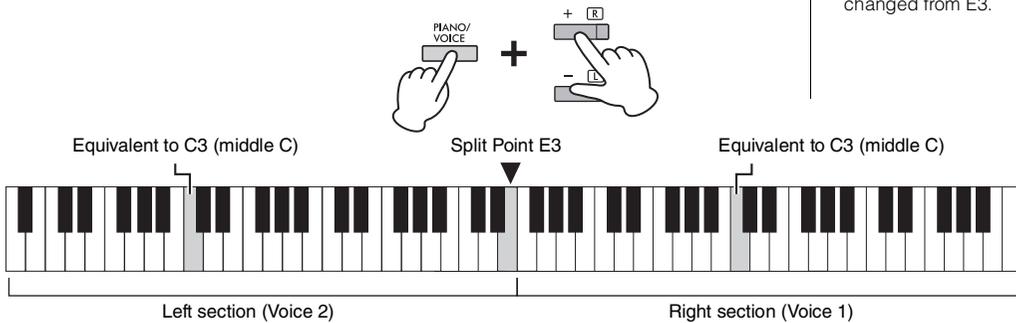
Differs depending on the Voice combination.

## Playing Duo

This function allows two different players to play the instrument, one on the left and the other on the right, over the same octave range.

### 1. While holding down [PIANO/VOICE], press [+R] and [-L] simultaneously to engage Duo.

The keyboard is divided into two sections, with the E3 key as the Split Point.



**NOTE**

- Different Voices cannot be assigned to the Right Voice and Left Voice.
- The Split Point cannot be changed from E3.

### 2. One person can play the left section of the keyboard while the other plays the right.

**To shift the Octave for each section:**

Same operation as in Dual (page 24).

In Duo, the left section is assigned to Voice 2, while the right section is assigned to Voice 1.

**To adjust the volume balance between two keyboard sections:**

Same operation as in Dual (page 24).

Settings below “0” increase the volume of Left Voice (Voice 2), while settings above “0” increase the volume of Right Voice, in relation to the other.

**Pedal function in Duo**

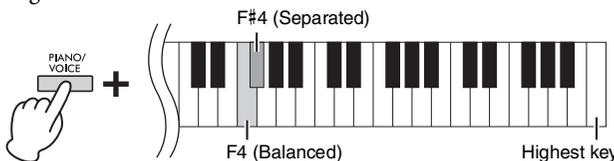
- Damper Pedal: Applies Sustain to the right section.
- Sostenuto Pedal: Applies Sustain to both sections.
- Soft Pedal: Applies Sustain to the left section.

**To select the Duo Type:**

You can set how the sound is emitted from the speakers.

- Separated: The sound of the left section is emitted from the left speaker, and the sound of the right section is emitted from the right speaker.
- Balanced: The sound of both parts are emitted from both speakers in a natural balance.

While holding down [PIANO/VOICE], press the A4 key or the A#4 key to change the setting.



**Setting range:**

-2 - 0 - +2

**Setting range:**

-6 - 0 - +6

**NOTE**

The way the sound is output from the headphones is the same as the selected Duo Type.

**NOTE**

- If the keyboard is in Dual, engaging Duo will exit from Dual. Voice 1 is used as the Voice of the entire keyboard.
- In Duo, VRM Lite is not effective. When the Type of Duo is set to “Separated,” Reverb and Stereophonic Optimizer are not effective.

**Default Setting:**

Separated

### 3. To exit from Duo, while holding down [PIANO/VOICE], press [+R] and [-L] simultaneously.

# Song Playback and Practice

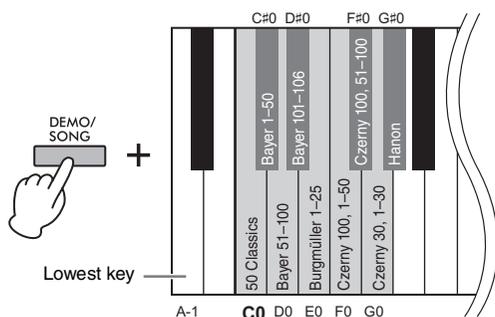
## Listening to Preset Songs

In addition to the Demo Songs, Preset Songs (50 Classical Music Masterpieces and Lesson Songs) are provided for your listening pleasure.

### 1. Find the Song number and Music book that you want to play back.

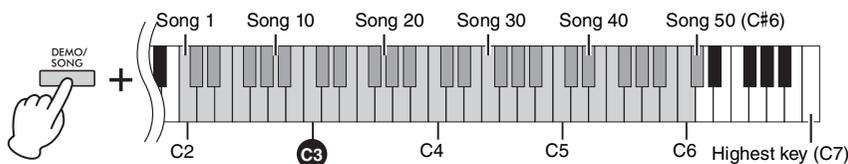
For the details on the Song number and Music book, refer to the Song List (page 43) or Quick Operation Guide (page 48.)

### 2. While holding down [DEMO/SONG], press one of the C0–G#0 keys to select a Music book.



### 3. While holding down [DEMO/SONG], press one of the C2–C#6 keys to start playback.

The number of each piano Preset Song is assigned to the C2–C#6 keys.



During playback, the [+R] and [–L] lamps light, and the [PLAY] lamp flashes at the current tempo. Playback of the Preset Songs continues in sequence, starting with the selected Song. After the last Preset Song, the sequence then returns to the first Preset Song and repeats until you stop it.

#### To play back the selected Song repeatedly:

While holding down the [DEMO/SONG], press and hold one of the C2–C#6 keys. The operation sound (page 14) sounds twice and the selected Song can be played back repeatedly.

#### To change the Preset Song during playback:

Press [+R] or [–L] to change to the next or previous Preset Song. If you change to the next or previous Preset Song during repeated playback, that Preset song will also play back repeatedly.

#### To change the tempo during playback:

While holding down [METRONOME], press [+R] or [–L] to increase or decrease the Tempo value by 1. Other instructions are the same as those of the Metronome Tempo (page 19).

#### Default Setting (Music book):

50 Classical Music Masterpieces

#### NOTE

Even if you perform other operations after changing the Music book, the book will not be reset to the default setting, 50 Classical Music Masterpieces. It will be reset to the default setting when the power is turned off.

#### NOTE

- You can play the keyboard along with the playback of the Preset Song as well as change the Voice played from the keyboard.
- Depending on the selected Music book, there are some keys to which the Song are not applied. When pressing such keys, no Songs are played back.

**To play back from the beginning of the Song**

During playback, press [+R] and [-L] simultaneously to jump to the playback position at the beginning of the Song then continue playback at the last specified tempo.

**4. Press [DEMO/SONG] or [PLAY] to stop playback.**

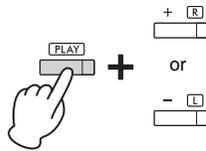
The [PLAY], [+R] and [-L] lamps turn off.

## Practicing a One-Hand Part

All the Songs except for the Demo (page 21) let you turn on or off the left-hand and right-hand Parts individually. By turning off [+R], for example, you can practice the right-hand Part while the left-hand Part is playing back, and vice versa.

**1. Start playback of the Preset Songs (page 26; 50 Classical Music Masterpieces and Lesson Songs) or the User Song (page 28).****2. While holding down [PLAY], press [+R] or [-L] to turn the Part off.**

Pressing the same button repeatedly while holding down [PLAY] toggles playback on and off.



The lamp of the button lights when the corresponding Part is on.

**NOTE**

- Selecting another Song will reset the on/off status.
- For the details on the Parts of the duet Songs, refer to page 43.
- For the User Song, Parts can only be independently turned on or off when recording the right or left part independently (step 2, page 29).

**3. Practice the Part which is turned off.****To change the Tempo:**

If desired, you can change the tempo for your practice convenience. For details, refer to page 19.

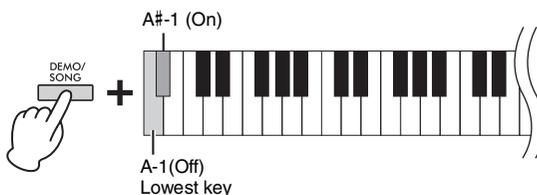
**4. Press [PLAY] to stop playback.**

## Playing Back Immediately from the First Note (Quick Play)

This Quick Play feature enables you to specify whether a Song should play back immediately from the very first note (On), or play back any silence or rests that exist before the first note (Off).

**To turn on/off Quick Play:**

While holding down [DEMO/SONG], press the A#-1 to turn the function on or A-1 key to turn the function off.

**Default setting:**

On

# Recording Your Performance

This instrument lets you record your keyboard performance as the User Song. Up to two Parts (left-hand and right-hand) can be recorded separately.

## Recording Your Performance

### 1. Select the desired Voice and other parameters, such as beat (time signature), for recording.

For instructions on selecting a Voice, refer to page 20. If necessary, set other parameters, such as beat (time signature) and effects, in this step.

### 2. Engage the Record Ready mode.

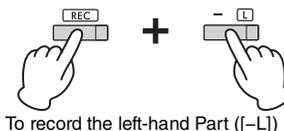
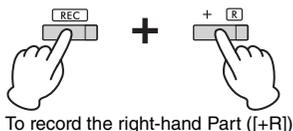
#### Quick Recording

Press [REC] to engage the Record Ready mode. Your keyboard performance will be automatically recorded to the right-hand Part even if you play with both your right and left hands. Note that the already-recorded data of the right- and left-hand parts will be erased by Quick Recording.



#### Recording to individual parts

While holding down [REC], press [+R] or [-L] to engage the Record Ready mode for the Part you want to record.



If data has already been recorded to the other Part, the data in this Part will be played back while recording.

To turn the Part off or on, press the appropriate part button ([+R] or [-L]) while holding down [PLAY].

#### To exit from Record Ready mode:

Simply press [REC].

### 3. Play the keyboard or press [PLAY] to start recording.

The [REC] lamp lights up while the Recording Part lamp flashes at the current tempo.

### 4. Press either [REC] or [PLAY] to stop recording.

The [REC], [PLAY], [+R] and [-L] lamps flash, indicating that the recorded data is being stored. After the Save operation is completed, the lamps will turn off, indicating that the Record operation has been completed.

### 5. To hear the recorded Song, press [PLAY] to start playback.

Press [PLAY] again to stop playback.

#### To record to the other part

Repeat the steps above. In step 2, follow the instructions of "Recording individual parts."

#### NOTICE

Only one Song (2 tracks) can be recorded to this instrument.

Note that recording your performance to a part containing data will replace already-recorded data with the new data.

#### NOTE

- The "Smart Pianist" app (page 8) enables you to record your keyboard performance as MIDI/audio data and save it on your smart device.
- You can use the Metronome while recording; however, the Metronome sound will not be recorded.
- If the keyboard is in the Duo mode (page 25), the data will be recorded to each Part. The Part for recording cannot be specified.
- If the data capacity of the instrument approaches full when you engage Record Ready mode, the [REC] and [PLAY] lamps flash quickly for about three seconds.

#### NOTICE

Never turn off the power while the recorded data is being stored (while the lamps are flashing). Otherwise, all recorded data will be lost.

#### Recording Capacity

This instrument can record up to 100 KB (approximately 11,000 notes).

## Changing the Initial Settings of the Recorded Song

The settings of the following parameters can be changed after the Record operation is completed.

- For individual Parts: Voice, Volume balance (Dual/Duo), Reverb Depth
- For the entire Song: Tempo, Reverb Type

1. **Make settings for the above parameters as desired.**
2. **While holding down [REC], press the desired Part ([+R] or [-L]) to engage Record Ready mode.**

The [REC], [PLAY] and selected Part lamps flash.

In this status, do not press [PLAY] again or any key. Otherwise, the originally recorded performance data will be deleted.

3. **While holding down [REC], press [PLAY] to exit from Record Ready mode.**

The [REC], [PLAY], [+R] and [-L] lamps flash. After the Save operation is completed, the lamps will turn off, indicating that the operation has been completed.

Confirm the setting by pressing [PLAY] to play the Song.

## Deleting Recorded Data

### To delete the entire Song:

1. **While holding down [REC], press [DEMO/SONG].**

The [REC] and [PLAY] lamps flash alternately.

To cancel the operation, press [REC].

2. **Press [PLAY] to delete the data of the entire Song.**

The [REC], [PLAY], [+R] and [-L] lamps flash.

After the operation is completed, all lamps turn off.

### To delete a specific Part:

1. **While holding down [REC], press [+R] or [-L] (depending on the Part you want to delete) to engage Record Ready mode.**

The [REC], [PLAY] and selected Part ([+R] or [-L]) lamps flash.

2. **Press [PLAY] to start recording without playing the keyboard.**

The selected Part ([+R] or [-L]) lamp flashes.

3. **Press [REC] or [PLAY] to stop recording.**

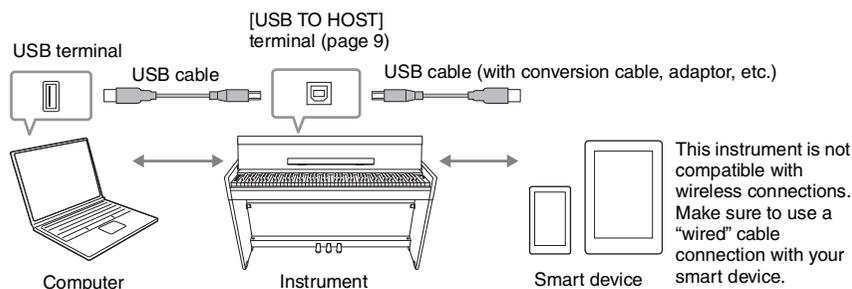
All data recorded for the selected Part will be deleted, and the lamp turns off.

#### NOTE

If a User Song has not been recorded to the instrument, the [REC] and [PLAY] lamps flash quickly for about three seconds.

# Using with a Computer or a Smart Device

Connecting this instrument to a computer or a smart device allows you to transmit/receive performance data and Song data to/from the computer or a smart device. For details on connections, refer to “Computer-related Operations” or “Smart Device Connection Manual” on the website (page 8).



## NOTICE

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

## NOTE

For instructions on using MIDI, refer to “MIDI Reference” (page 8).

This instrument is not compatible with wireless connections. Make sure to use a “wired” cable connection with your smart device.

## Using an App on Your Smart Device

By using an app on a smart device, you can take advantage of convenient functions and get more enjoyment out of this instrument. In particular, with the “Smart Pianist” app running on your smart device, you can remotely control your digital piano for even more convenience and flexibility.

For information about the compatible smart devices and apps, access the following page:

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

## NOTICE

Do not place your smart device in an unstable position. Doing so may cause the device to fall and result in damage.

## NOTE

While using “Smart Pianist” with the instrument, all buttons on the instrument cannot be used. Control the instrument by using “Smart Pianist.”

## Playback/Recording of Audio Data (USB Audio Interface)

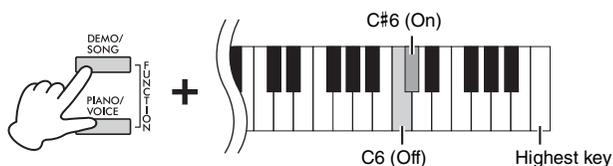
You can play back audio data on a smart device or a computer with this instrument. You can also record your keyboard performance as audio data to a music production app on a smart device or a computer.

When using this function on a computer running Windows, you will need to install the Yamaha Steinberg USB Driver to your computer. For details, refer to the “Computer-related Operations” on the website (page 8).

### Audio Loop Back On/Off

You can set whether audio sound input from the [USB TO HOST] terminal is returned to the computer/smart device or not along with the performance played on the instrument.

While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press the C6 key to turn this parameter “Off” or the C#6 key to turn it “On.”



## NOTE

The volume of the audio sound input can be adjusted from a computer or a smart device.

**Default setting:** On

## NOTICE

If loud or unusual noises occur, set Audio Loop Back to off.

# Backing up Data and Initializing the Settings

## Data Maintained When Power is Turned Off

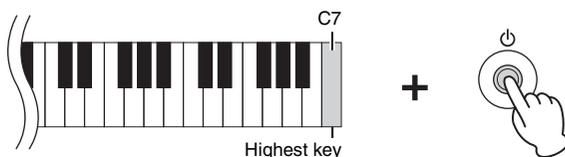
The following settings and data are maintained even if you turn the power off.

- Metronome Volume
- Metronome Beat (time signature)
- Touch Sensitivity
- Tuning
- Intelligent Acoustic Control Depth
- Intelligent Acoustic Control On/Off
- Volume Limiter On/Off
- Stereophonic Optimizer On/Off
- Operation Confirmation Sounds On/Off
- Auto Power Off Enable/Disable
- Speaker On/Off
- User Song data
- Duo Type Separated/Balanced

## Initializing the Settings

With this operation, all data (with the exception of the User Song) will be reset to the factory default settings.

To do this, simultaneously hold down the C7 (the highest) key and turn on the power.



### NOTICE

Never turn off the power while the Initialize operation is being executed (that is, while the [REC], [PLAY], [+R] and [-L] lamps are flashing).

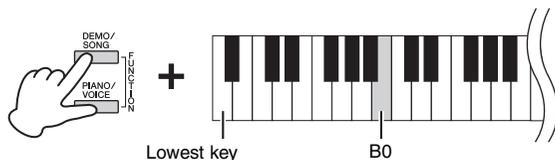
### NOTE

If this instrument somehow becomes disabled or malfunctions, turn off the power then execute Initialization.

## Confirming the firmware version of this instrument

You can confirm the firmware version of your instrument by audible voice in English.

While holding down [DEMO/SONG] and [PIANO/VOICE] simultaneously, press the B0 key.



## About the latest Firmware Version

Yamaha may from time to time update firmware of the product without notice for improvement. Make sure to check our website for information of the latest release and upgrade the firmware for your instrument.

## Troubleshooting

Problem	Possible Cause and Solution
Power suddenly and unexpectedly turns off.	This is normal and the Auto Power Off function may have been activated (page 14). If desired, disable the Auto Power Off function.
The power of the instrument does not turn on.	The plugs are not properly connected. Make sure that the DC plug is securely inserted into the DC IN jack on the instrument, and that the AC plug is securely inserted to the AC outlet (page 13).
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.
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 this instrument. Turn off the mobile phone, or move it further away from this instrument.
	When you use the instrument along with the application on your smart device, we recommend that you set "Airplane Mode" to "ON" on your smart device in order to avoid noise caused by communication.
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] knob (page 10).
	Make sure a pair of headphones or conversion adaptor is not connected to the [PHONES] jack (page 15).
	The Speaker setting is "Off." Set the Speaker to "Normal" or "On" (page 15).
	The Volume Limiter setting is "On". Set the Volume Limiter to "Off" (page 14).
	Make sure that Local Control is On. For details, refer to the "MIDI Reference" (page 8).
Pedals do not function.	The pedal cord may not be securely connected to the [TO PEDAL] jack. Be sure to insert the pedal cord all the way until the metal part of the cord plug disappears from view (pages 36, 39).
The pitch and sound quality of the Piano Voice is wrong in a specific key range.	This is no problem. Yamaha develops the Piano Voices so that the original piano sound is reproduced as faithfully as possible. This is why you may hear overtones emphasized in a certain key range, or you may feel that the sound pitch or quality is different from another key range.
Playing the keys produces a rattling noise.	This is no problem. The keyboard mechanism of this product is designed to simulate the actual noises of an acoustic piano. Such noises are produced even if you play an acoustic piano.
The [+R] and [-L] lamps flash when this product is started, when a Song is selected, or when recording is finished.	This is no problem. It is because the [+R] and [-L] lamps may flash when the internal processing of this product is taking a long time. Note that no operations are available while these are flashing.

# Keyboard Stand Assembly

YDP-165, YDP-145	page 34
YDP-S55, YDP-S35	page 37

Before assembling the instrument, be sure to read the precautions below.

## Assembly Precautions

### ⚠ CAUTION

- Assemble the instrument using at least two people.
- Assemble the instrument on a hard and flat floor with ample space.
- Be sure to use the correct parts in the correct orientation, and assemble the instrument in accordance with the sequence given here.
- Keep small parts (such as screws) out of the reach of infants. Children may accidentally swallow them.
- Be sure to use only the included screws of specified sizes. Use of any other screws can cause damage or malfunction of the product.
- To disassemble the unit, reverse the assembly sequence given here.

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



### Post-assembly checklist

- There are no unused parts.
  - The instrument is stable even if you shake it.
  - The pedal adjuster is firmly pressed against to the floor surface.
  - Both the pedal cord and power cord are plugged securely into the correct jacks.
- If there are any items above you haven't confirmed, review the assembly procedure and correct any errors.

## Moving/Installing

When moving the instrument, be sure to keep the instrument horizontal and hold with two or more people. Do not subject the instrument to excessive vibration or shock. After re-installation, check the assembly checklist. If you move to another location, you can transport the instrument along with other belongings. The unit can be transported either assembled or disassembled.

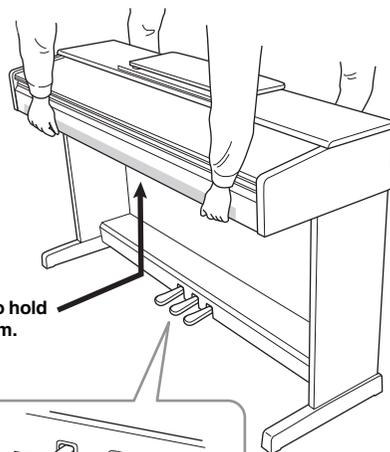
We recommend that you place the instrument away from the wall by about 5 cm to optimize and enhance the overall sound even further.

### ⚠ CAUTION

Always hold the bottom of the main unit. Moving the unit by holding any part other than the bottom may cause damage to the unit or personal injury.

### NOTICE

Rotate the adjuster under the pedal until it no longer touches the floor surface before moving the instrument. The adjuster can damage the floor.



Rotate the adjuster until it no longer touches the floor surface.

# YDP-165, YDP-145 Assembly

You can watch a video of the assembly.

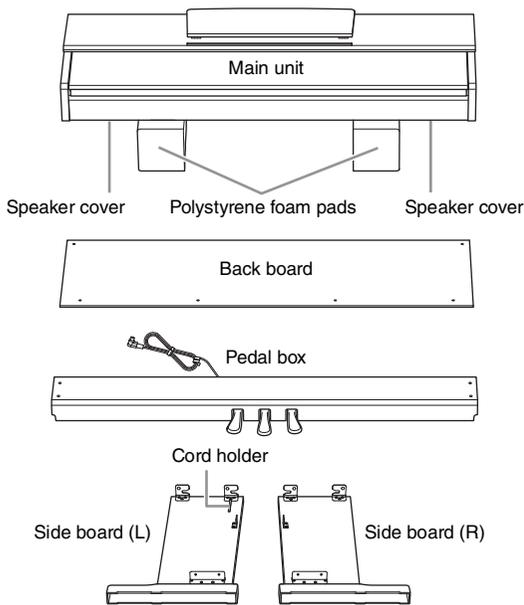


Scan the QR code at left or access the website below.  
[https://4wrд.it/ydp\\_assembly\\_video1](https://4wrд.it/ydp_assembly_video1)

Check if you have all of the items indicated below.

**NOTICE**

Make sure to place the main unit on the polystyrene foam pads that have been removed from the packages. Position the pads so that they will not contact the speaker covers on the bottom of the main unit.



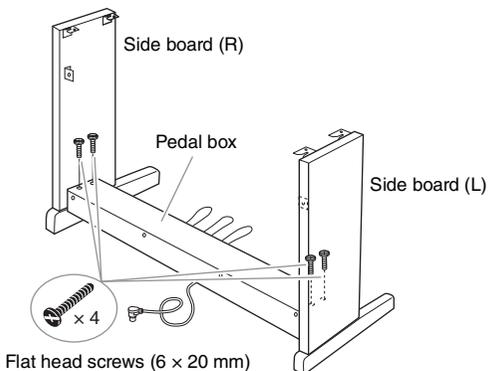
- × 4  
Flat head screws (6 × 20 mm)
- × 2  
Thin screws (4 × 12 mm)
- × 4  
Thick screws (6 × 16 mm)
- × 4  
Caps
- × 4  
Tapping screws (4 × 20 mm)

<b>YDP-165</b>		<b>YDP-145</b>	
AC adaptor	Power cord	AC adaptor	
<b>Headphone hanger set</b>			
Headphone hanger	× 2 Screws (4 × 10 mm)		

\* The adaptor may not be included, or may look different from the illustration above, depending on your particular area.

## 1. Align the side boards with each end of pedal box, and lightly tighten with flat head screws (6 × 20 mm) for temporary fastening

These screws will be tightened securely later in step 3.

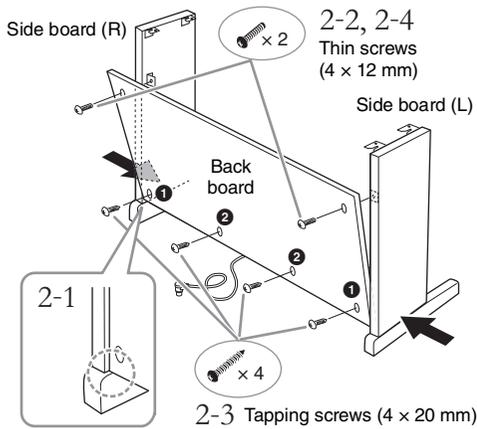


## 2. Attach the back board.

Depending on the model, the surface color of one side of the back board may be different from the other side. In this case, position the back board so that the side facing the front (pedal side) matches the color of the main unit.

- 2-1 Place the back board on each foot of side boards.
- 2-2 Attach the top of the back board by temporarily fastening the thin screws (4 × 12 mm).
- 2-3 While pushing on the lower part of the side boards from the outside, secure the bottom ends of the back board using tapping screws (4 × 20 mm) in the order from outside to inside (1 → 2).

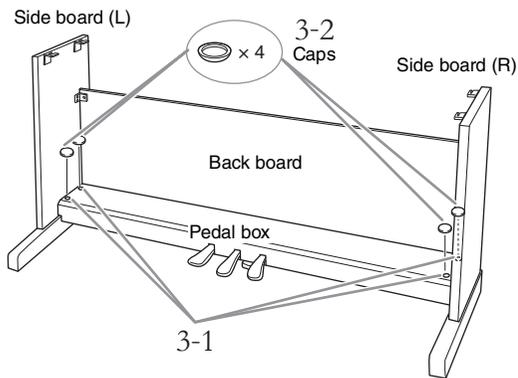
**2-4 Securely tighten the screws on the top of the back board that were attached in step 2-2.**



**3. Secure the pedal box.**

**3-1 Securely tighten the screws on the pedal box that were attached in step 1.**

**3-2 Attach the caps to the screw heads.**



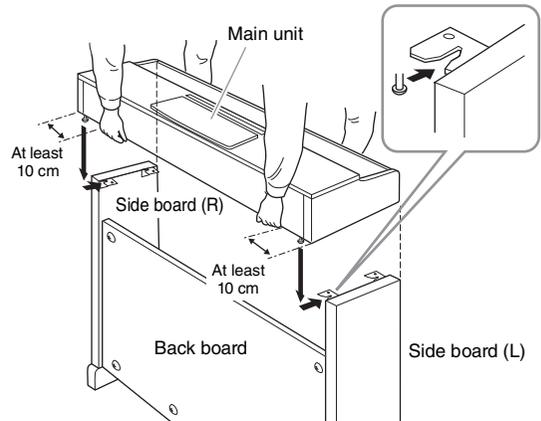
**4. Set the main unit in place.**

**4-1 Be sure to hold the bottom surface at least 10 cm inside from the edge of the main unit so that you do not pinch your hands.**

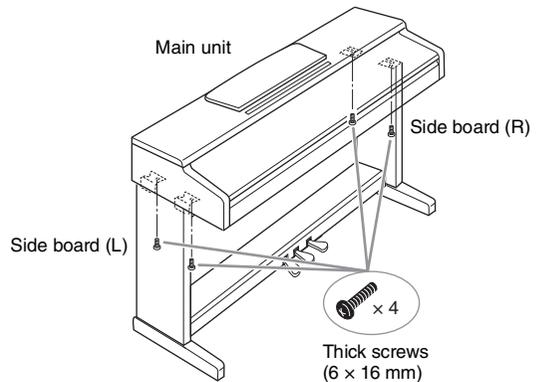
**4-2 Place the main unit on the side boards so that the front of the main unit and the side boards are aligned. Slide the main unit forward and insert the metal fittings on the bottom of the main unit into the metal fittings on the side boards.**

**⚠ CAUTION**

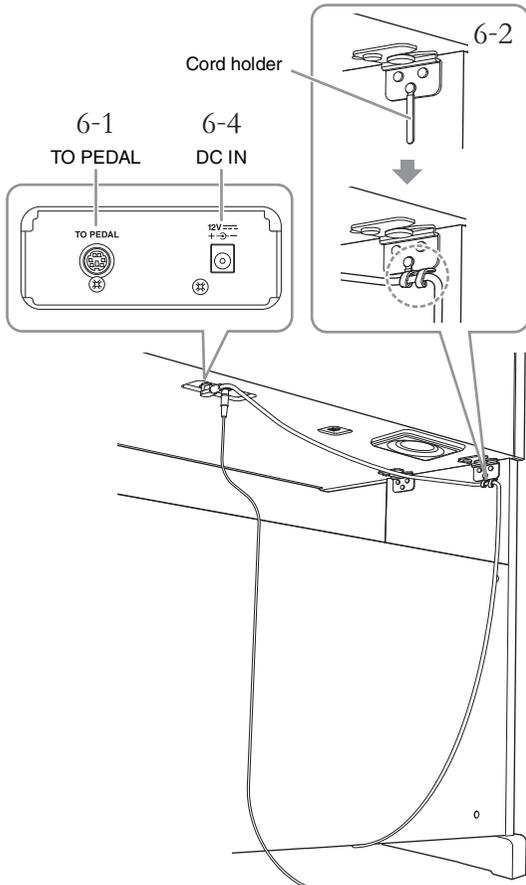
- Be careful not to pinch your hands or drop the main unit.
- Do not hold anywhere other than the specified position.



**5. Secure the main unit by tightening the thick screws (6 x 16 mm).**

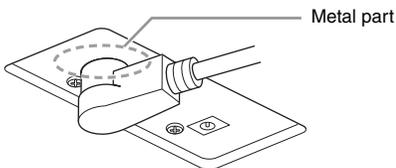


## 6. Connect the pedal cord plug and the power plug.



### 6-1 Insert the pedal cord plug to the [TO PEDAL] jack from the rear.

Insert the plug until the metal part disappears from view.



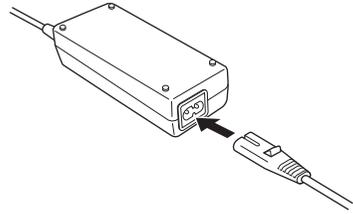
#### **NOTICE**

If it is not plugged in firmly, it may cause the pedals to not work.

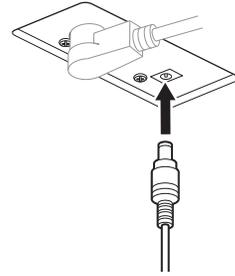
### 6-2 Wind the cord holders around pedal cord to hold it.

The cord holders are attached to the side board (L).

### 6-3 (YDP-165 only) Connect the power cord to the AC adaptor.

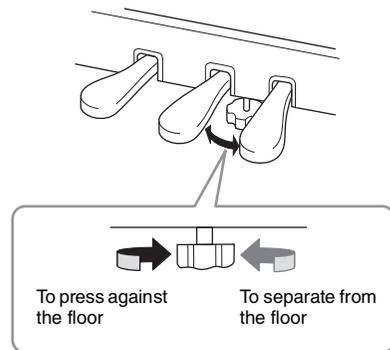


### 6-4 Insert the DC plug into the DC IN jack.



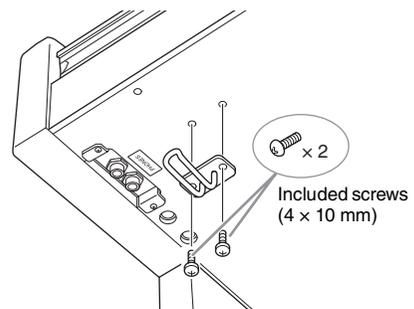
## 7. Rotate the adjuster until it presses in firm contact with the floor surface.

Make sure that the pedal box does not rattle or give way when you step on the pedals.



## 8. (YDP-165 only) Attach the headphone hanger.

Use the included two screws (4 x 10 mm) to attach the hanger as shown in the illustration.



## YDP-S55, YDP-S35 Assembly

You can watch a video of the assembly.



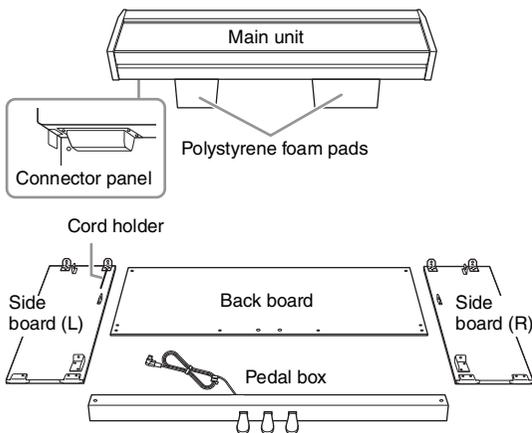
Scan the QR code at left or access the website below.

[https://4wr.d.it/ydp\\_assembly\\_video2](https://4wr.d.it/ydp_assembly_video2)

Check if you have all of the items indicated below.

### NOTICE

Make sure to place the main unit on the polystyrene foam pads that have been removed from the packages. Position the pads so that they will not contact the connector panel on the bottom of the main unit.



× 2  
Flat head screws  
(6 × 20 mm)



× 2  
Caps



× 4 (YDP-S55)  
× 2 (YDP-S35)  
Thin screws (4 × 12 mm)



× 4  
Long screws (6 × 25 mm)



× 2  
Tapping screws (4 × 20 mm)



× 4  
Thick screws (6 × 16 mm)

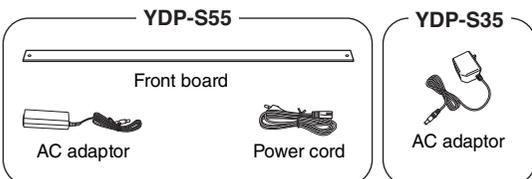


Anti-fall bracket (L)



Anti-fall bracket (R)

\* The anti-fall brackets are not for earthquake countermeasures.

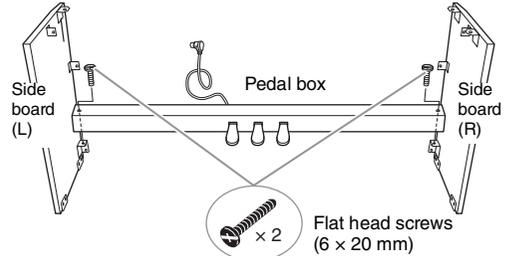


\* The adaptor may not be included, or may look different from the illustration above, depending on your particular area.

## 1. Align the side boards with each end of pedal box, and lightly tighten with flat head screws (6 × 20 mm) for temporary fastening.

These screws will be tightened securely later in step 3.

Leave the pedal cord out on the back side of the instrument.



## 2. Attach the back board.

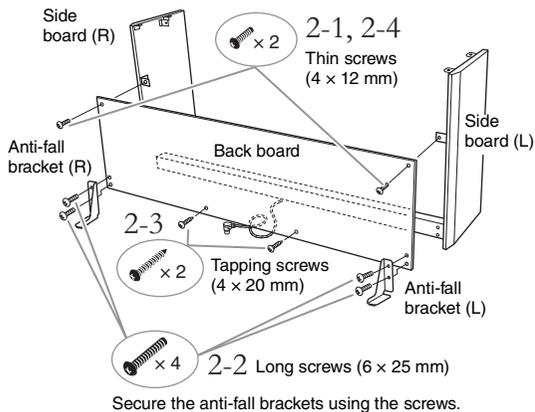
Depending on the model, the surface color of one side of the back board may be different from the other side. In this case, position the back board so that the side facing the front (pedal side) matches the color of the main unit.

### 2-1 Attach the top of the back board by temporarily fastening the thin screws (4 × 12 mm).

### 2-2 While pushing the lower part of the side board from the outside, fix the lower side of the back board on both sides with long screws (6 × 25 mm). Also, fix the anti-fall brackets together here.

### 2-3 Secure the remaining two places on the lower side with tapping screws (4 × 20 mm).

**2-4 Re-tighten the screws on the upper side of the back board that were temporarily fastened in step 2-1.**

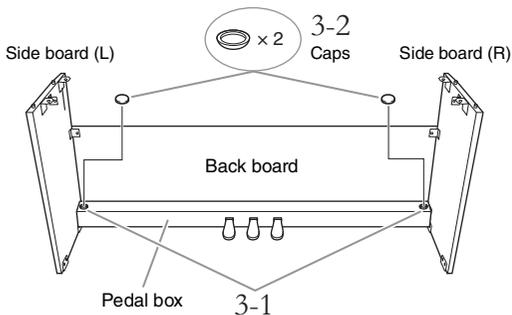


**CAUTION**  
 Be sure to attach the anti-fall brackets. Failure to do so might result in damage to the instrument or even injury.

**3. Secure the pedal box.**

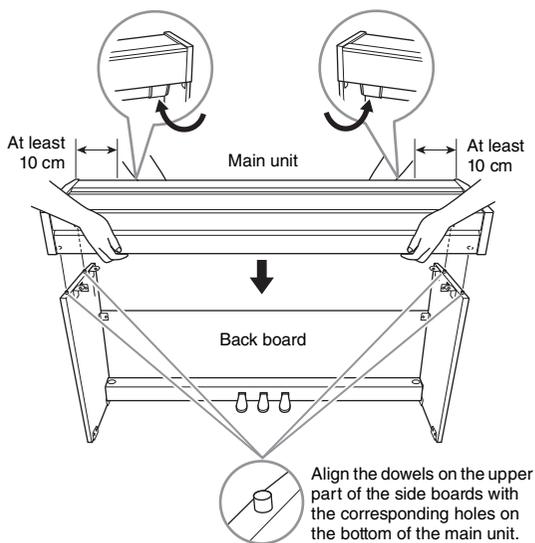
**3-1 Securely tighten the screws on the pedal box that were attached in step 1.**

**3-2 Attach the caps to the screw heads.**



**4. Set the main unit in place.**

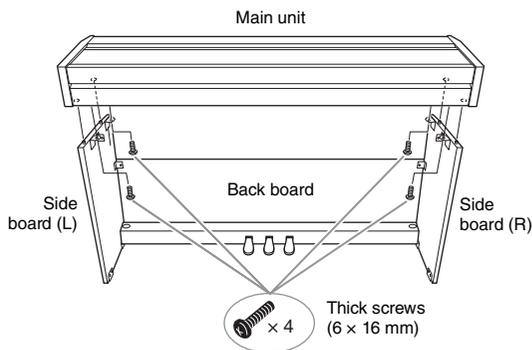
Be sure to hold the bottom surface 10 cm or more inside from the edge of the main unit so that you do not pinch your hands.



**CAUTION**

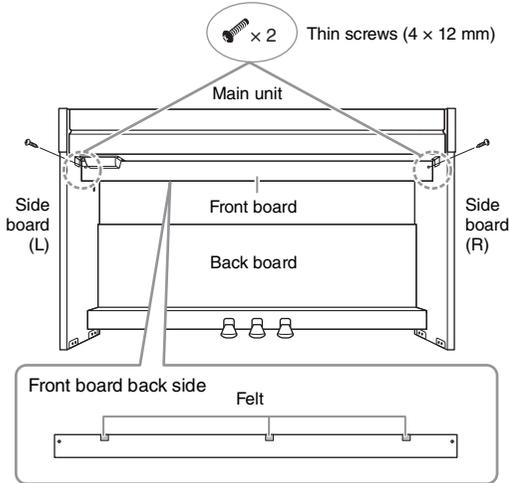
- Be careful not to pinch your hands or drop the main unit.
- Do not hold anywhere other than the specified position.

**5. Secure the main unit by tightening the thick screws (6 x 16 mm).**

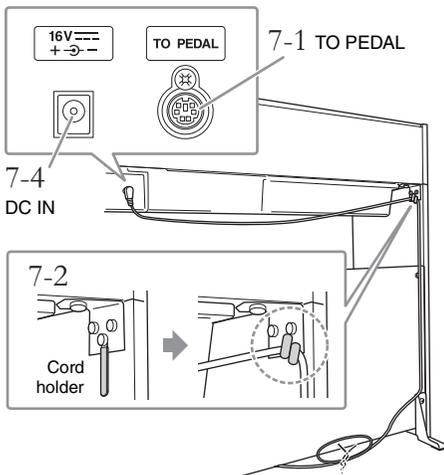


**6. (YDP-S55 only) With the non-felt side of the front board facing the front (pedal side), fix it with thin screws (4 × 12 mm).**

Install so that the gap between the side boards (L) and (R) is equal on both sides.

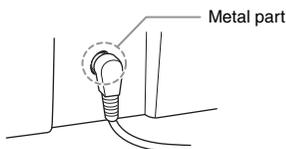


**7. Connect the pedal cord plug and the power plug.**



**7-1 Insert the pedal cord plug to the [TO PEDAL] jack from the rear.**

Insert the plug until the metal part disappears from view.



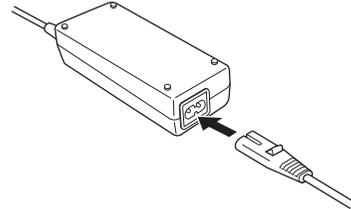
**NOTICE**

If it is not plugged in firmly, it may cause the pedals to not work.

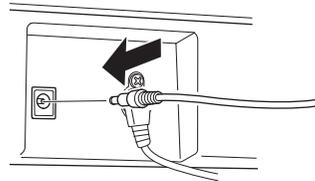
**7-2 Wind the cord holder around pedal cord to hold it.**

The cord holder is attached to the side board (L).

**7-3 (YDP-S55 only) Connect the power cord to the AC adaptor.**

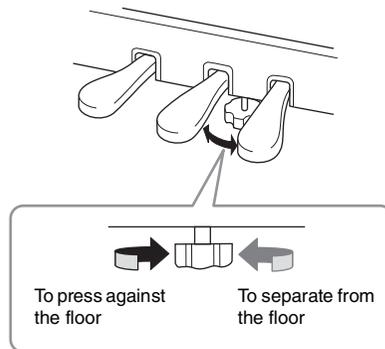


**7-4 Insert the DC plug into the DC IN jack.**



**8. Rotate the adjuster until it presses in firm contact with the floor surface.**

Make sure that the pedal box does not rattle or give way when you step on the pedals.



# Specifications

		YDP-165	YDP-145	YDP-S55	YDP-S35	
Product Name		Digital Piano				
Size/Weight	Width	1,357 mm [53-7/16"]		1,353 mm [53-1/4"]		
	Height	849 mm [33-27/64"] (With music rest raised: 1,003 mm [39-31/64"])	815 mm [32-1/16"] (With music rest raised: 969 mm [38-1/8"])	792 mm [31-3/16"] (Key cover open: 976 mm [38-27/64"])	792 mm [31-3/16"] (Key cover open: 968 mm [38-1/8"])	
	Depth	422 mm [16-5/8"]		309 mm [12-3/16"] (Key cover open: 317 mm [12-15/32"]) *With anti-fall brackets attached, the depth is 382 mm [15-3/64"].	296 mm [11-5/8"] (Key cover open: 309 mm [12-3/16"]) *With anti-fall brackets attached, the depth is 366 mm [14-13/32"].	
	Weight	42.0 kg (92 lbs., 10 oz.)	38.0 kg (83 lbs., 12 oz.)	40.0 kg (88 lbs., 3 oz.)	37.0 kg (81 lbs., 9 oz.)	
Control Interface	Keyboard	Number of Keys	88			
		Type	GH3 (Graded Hammer 3) keyboard with synthetic ebony and ivory keytops	GHS (Graded Hammer Standard) keyboard with matte black keytops	GH3 (Graded Hammer 3) keyboard with synthetic ebony and ivory keytops	GHS (Graded Hammer Standard) keyboard with matte black keytops
		Touch Response	Hard/Medium/Soft/Fixed			
	Pedal	Number of Pedals	3			
		Half Pedal	Yes (Damper)			
		Functions	Damper, Sostenuto, Soft			
	Panel	Language	English			
Cabinet	Key Cover Style	Sliding		Folding		
	Music Rest	Yes				
	Music Clips	Yes	—			
Voices	Tone Generation	Piano Sound	Yamaha CFX			
	Piano Effect	Virtual Resonance Modeling Lite (VRM Lite)	Yes			
		Key-off Samples	Yes			
		Smooth Release	Yes	—	Yes	—
	Polyphony (max.)	192				
Preset	Number of Voices	10				
Effects	Types	Reverb	4 types			
		Intelligent Acoustic Control (IAC)	Yes			
		Stereophonic Optimizer	Yes			
	Functions	Dual	Yes			
		Duo	Yes			
Songs (MIDI)	Preset	Number of Preset Songs	10 Voice Demo Songs, 50 Classics, 303 Lesson Songs			
	Recording	Number of Songs	1			
		Number of Tracks	2			
		Data Capacity	Approx. 150 KB/Song (approx. 11,000 notes)	Approx. 100 KB/Song (approx. 11,000 notes)	Approx. 150 KB/Song (approx. 11,000 notes)	Approx. 100 KB/Song (approx. 11,000 notes)
Functions	Overall Controls	Metronome	Yes			
		Tempo Range	5 – 280			
		Transpose	-6 – 0 – +6			
		Tuning	414.8 – 440.0 – 466.8 Hz (approx. 0.2 Hz increments)			
		USB Audio Interface	44.1 kHz, 24 bit, stereo			
Connectivity	DC IN	16 V	12 V	16 V	12 V	
	Headphones/Headphones/Output	Standard stereo phone jack (x 2)				
	USB TO HOST	Yes				
Sound System	Amplifiers	20 W x 2	8 W x 2	20 W x 2	8 W x 2	
	Speakers	12 cm x 2				

		YDP-165	YDP-145	YDP-S55	YDP-S35
Power Supply	AC Adaptor	PA-300C (Output: DC 16 V, 2.4 A)	PA-150 or an equivalent recommended by Yamaha (Output: DC 12 V, 1.5 A)	PA-300C (Output: DC 16 V, 2.4 A)	PA-150 or an equivalent recommended by Yamaha (Output: DC 12 V, 1.5 A)
	Power Consumption	13 W (When using PA-300C AC adaptor)	9 W (When using PA-150 AC adaptor)	13 W (When using PA-300C AC adaptor)	9 W (When using PA-150 AC adaptor)
	Auto Power Off	Yes			
Included Accessories (*Included or optional depending on locale.)		Owner's Manual			
		50 Classical Music Masterpieces (Music Book)			
		AC adaptor: PA-300C*, Power cord*	AC adaptor: PA-150 or an equivalent*	AC adaptor: PA-300C*, Power cord*	AC adaptor: PA-150 or an equivalent*
		Bench*		—	
Separately Sold Accessories (May not be available depending on your area.)		Online Member Product Registration			
		<ul style="list-style-type: none"> <li>HPH-150/100/50 headphones</li> <li>AC adaptor PA-300C</li> </ul>	<ul style="list-style-type: none"> <li>HPH-150/100/50 headphones</li> <li>AC adaptor: PA-150 or an equivalent recommended by Yamaha</li> </ul>	<ul style="list-style-type: none"> <li>HPH-150/100/50 headphones</li> <li>AC adaptor PA-300C</li> </ul>	<ul style="list-style-type: none"> <li>HPH-150/100/50 headphones</li> <li>AC adaptor: PA-150 or an equivalent recommended by Yamaha</li> </ul>

\* 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.

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(58-M02 WEEE en 01)

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# Song List

## 50 Classical Music Masterpieces

No.	Song Title	Composer
<b>Arrangements</b>		
1	Canon D dur	J. Pachelbel
2	Air On the G String	J. S. Bach
3	Jesus, Joy of Man's Desiring	J. S. Bach
4	Twinkle, Twinkle, Little Star	Traditional
5	Piano Sonata op.31-2 "Tempest" 3rd mov.	L. v. Beethoven
6	Ode to Joy	L. v. Beethoven
7	Wiegenlied op.98-2	F. P. Schubert
8	Grande Valse Brillante	F. F. Chopin
9	Polonaise op.53 "Héroïque"	F. F. Chopin
10	La Campanella	F. Liszt
11	Salut d'amour op.12	E. Elgar
12	From the New World	A. Dvořák
13	Sicilienne	G. U. Fauré
14	Clair de lune	C. A. Debussy
15	Jupiter (The Planets)	G. Holst
<b>Duets</b>		
16	Menuett (Eine kleine Nachtmusik K.525)	W. A. Mozart
17	Menuett G dur	L. v. Beethoven
18	Marcia alla Turca	L. v. Beethoven
19	Piano Concerto No.1 op.11 2nd mov.	F. F. Chopin
20	The Nutcracker Medley	P. I. Tchaikovsky
<b>Original Compositions</b>		
21	Prelude (Wohltemperierte Klavier I No.1)	J. S. Bach
22	Menuett G dur BWV Anh.114	J. S. Bach
23	Piano Sonata No.15 K.545 1st mov.	W. A. Mozart
24	Turkish March	W. A. Mozart
25	Piano Sonata op.13 "Pathétique" 2nd mov.	L. v. Beethoven
26	Für Elise	L. v. Beethoven
27	Piano Sonata op.27-2 "Mondschein" 1st mov.	L. v. Beethoven
28	Impromptu op.90-2	F. P. Schubert
29	Frühlingslied op.62-6	J. L. F. Mendelssohn
30	Fantaisie-Impromptu	F. F. Chopin
31	Etude op.10-3 "Chanson de l'adieu"	F. F. Chopin
32	Etude op.10-12 "Revolutionary"	F. F. Chopin
33	Valse op.64-1 "Petit chien"	F. F. Chopin
34	Nocturne op.9-2	F. F. Chopin
35	Nocturne KK4a-16/BI 49 [Posth.]	F. F. Chopin
36	Träumerei	R. Schumann
37	Barcarolle	P. I. Tchaikovsky
38	La prière d'une Vierge	T. Badarzewska
39	Liebesträume No.3	F. Liszt
40	Blumenlied	G. Lange
41	Humoresque	A. Dvořák
42	Arietta	E. H. Grieg
43	Tango (España)	I. Albéniz
44	The Entertainer	S. Joplin
45	Maple Leaf Rag	S. Joplin
46	La Fille aux Cheveux de Lin	C. A. Debussy
47	Arabesque No.1	C. A. Debussy
48	Cakewalk	C. A. Debussy
49	Je te veux	E. Satie
50	Gymnopédies No.1	E. Satie

## Lesson Songs

No.	Album Title	Title No. /Song Title	Composer
1-50	Vorschule im Klavierspiel op.101	1-106	F. Beyer
1-50		51-100	
1-6		101-106	
1-25	25 Etudes faciles et progressives op.100	1 La candeur	J. F. Burgmüller
		2 Arabesque	
		3 Pastorale	
		4 Petite réunion	
		5 Innocence	
		6 Progrès	
		7 Courant limpide	
		8 La gracieuse	
		9 La chasse	
		10 Tendre fleur	
		11 La bergeronnette	
		12 Adieu	
		13 Consolation	
		14 La styrienne	
		15 Ballade	
		16 Douce plainte	
		17 Babillarde	
		18 Inquiétude	
		19 Ave Maria	
		20 Tarentelle	
		21 Harmonie des anges	
		22 Barcarolle	
		23 Retour	
		24 L'hirondelle	
		25 La chevaleresque	
1-50	100 Übungsstücke op.139	1-50	C. Czerny
1-50		51-100	
1-30	30 Etudes de mécanisme op.849	1-30	C. Czerny
1-20 21-42	The Virtuoso Pianist	1-20 1-Variation. 1-22	C-L. Hanon

### About Duet Songs

The songs listed below are duet songs.

- Nos. 16–20 of "50 Classical Music Masterpieces"
- Nos. 1–11 of the Vorschule im Klavierspiel op.101 of "Lesson Songs" as well as 32–34, 41–44, 63–64, and 86–87

The right-hand part ([+R]) is for the right hand of the first player, and the left-hand part ([-L]) is for the left hand of the first player. The second player's parts cannot be turned off.

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Yamaha Corporation of America  
6600 Orangethorpe Avenue, Buena Park, CA 90620-1273  
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<p><b>Viktig merknad: Garantiinformasjon for kunder i EØS* og Sveits</b> Detaljert garantiinformasjon om dette Yamaha-produktet og garantiservice for hele EØS-området* og Sveits kan fås enten ved å besøke nettadressen nedenfor (utskriftsversjon finnes på våre nettsider) eller kontakte Yamaha-kontoret i landet der du bor. *EØS: Det europeiske økonomiske samarbeidsområdet</p>	Norsk
<p><b>Vigtigt oplysning: Garantioplysninger til kunder i EØO* og Schweiz</b> De kan finde detaljerede garantioplysninger om dette Yamaha-produkt og den fælles garantiserviceordning for EØO* (og Schweiz) ved at besøge det websted, der er angivet nedenfor (der findes en fil, som kan udskrives, på vores websted), eller ved at kontakte Yamahas nationale repræsentationskontor i det land, hvor De bor. * EØO: Det Europæiske Økonomiske Område</p>	Dansk
<p><b>Tärkeä ilmoitus: Takuutiedot Euroopan talousalueen (ETA)* ja Sveitsin asiakkaille</b> Tämän Yamaha-tuotteen sekä ETA-alueen ja Sveitsin takuuta koskevat yksityiskohtaiset tiedot saatte alla olevasta nettiosoitteesta. (Tulostettava tiedosto saatavissa sivustollamme.) Voitte myös ottaa yhteyttä paikalliseen Yamaha-edustajaan. *ETA: Euroopan talousalue</p>	Suomi
<p><b>Ważne: Warunki gwarancyjne obowiązujące w EOG* i Szwajcarii</b> 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><b>Důležité oznámení: Záruční informace pro zákazníky v EHS* a ve Švýcarsku</b> Podrobné záruční informace o tomto produktu Yamaha a záručním servisu v celém EHS* a ve Švýcarsku naleznete na níže uvedené webové adrese (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><b>Fontos figyelmeztetés: Garancia-információk az EGT* területén és Svájcban élő vásárlók számára</b> 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 országában működő Yamaha képviseleti irodával. * EGT: Európai Gazdasági Térség</p>	Magyar
<p><b>Oluline märkus: Garantiteave Euroopa Majanduspiirkonna (EMP)* ja Šveitsi klientidele</b> Täpsemate teabe saamiseks selle Yamaha toote garantii ning kogu Euroopa Majanduspiirkonna ja Šveitsi garantiiteeninduse 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><b>Svarīgs paziņojums: garantijas informācija klientiem EEZ* un Šveicē</b> Lai saņemtu detalizētu garantijas informāciju par šo Yamaha produktu, kā arī garantijas apkalpošanu EEZ* un Šveicē, lūdzu, 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><b>Dėmesio: informacija dėl garantijos pirkėjams EEE* ir Šveicarijoje</b> Jei reikita išsamios informacijos apie šį „Yamaha“ produktą ir jo techninę priežiūrą visoje EEE* ir Šveicarijoje, apsilankykite mūsų svetainėje toliau nurodytu adresu (svetainėje yra spausdinlinas failas) arba kreipkitės į „Yamaha“ atstovybę savo šalyje. *EEE – Europos ekonominė erdvė</p>	Lietuvių kalba
<p><b>Dôležité upozornenie: Informácie o záruke pre zákazníkov v EHP* a Švajčiarsku</b> 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><b>Pomembno obvestilo: Informacije o garanciji za kupce v EGP* in Švici</b> 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><b>Важно съобщение: Информация за гаранцията за клиенти в ЕИП* и Швейцария</b> 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><b>Notificare importantă: Informații despre garanție pentru clienții din SEE* și Elveția</b> 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
<p><b>Važna obavijest: Informacije o jamstvu za države EGP-a i Švicarske</b> Za detaljne informacije o jamstvu za ovaj Yamahin proizvod te jamstvenom servisu za cijeli EGP i Švicarsku, molimo Vas da posjetite web-stranicu navedenu u nastavku ili kontaktirate ovlaštenog Yamahinog dobavljača u svojoj zemlji. * EGP: Evropski gospodarski prostor</p>	Hrvatski

<https://europe.yamaha.com/warranty/>

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# ARIUS YDP-165, YDP-145, YDP-S55, YDP-S35 Quick Operation Guide

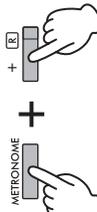
## 3 Metronome settings

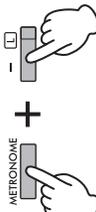
Voice confirmation of current Tempo value

Tempo (Metronome, Songs, etc.)

Metronome Beat

Metronome Volume

To increase the value by 1: 

To decrease the value by 1: 

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	C3	D3	E3	F3	G3	A3	B3	C4	D4	E4	F4	G4	A4	B4	C5
1	2	3	4	5	6	7	8	9	10 steps up	10 steps down	0	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1 step up	1 step down	Default volume	1 step up	1 step down	
C#1 D#1	F#1 G#1 A#1	C#2 D#2	F#2 G#2 A#2	C#3 D#3	F#3 G#3 A#3	C#4 D#4	F#4 G#4 A#4																														

## 4 Other settings

Voice confirmation of current system version

Operation Confirmation Sounds

Auto Power Off

Tuning

Local Control

Program Change

Control Change

IAC Depth

Transpose

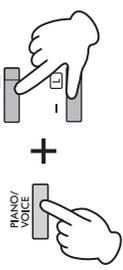
MIDI Transmit Channel

MIDI Receive Channel

Speaker

Audio Loop Back

Volume Limiter

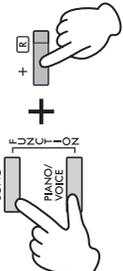
To turn Duo on or off: 

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	C3	D3	E3	F3	G3	A3	B3	C4	D4	E4	F4	G4	A4	B4	C5
On	Off	Off	Off	Off	Off	Off	Off	Off	442.0 Hz	442.0 Hz	Off	1 step down	1 step up	Default setting	-6	-5	-4	-3	-2	-1	0 (normal pitch)	+1	+2	+3	+4	+5	On/Off										
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	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																								

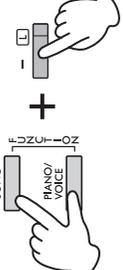
## 5 Tuning settings

While holding down the [DEMO/SONG] and [PIANO/VOICE], use the [+R] and [-L] as shown below to fine-tune the pitch of your instrument.

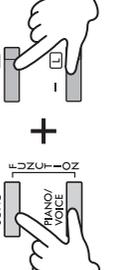
To tune up (in about 0.2 Hz steps):



To tune down (in about 0.2 Hz steps):



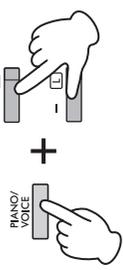
Default pitch: 440.0 Hz



## 6 Duo setting

While holding down the [PIANO/VOICE], simultaneously press the [+R] and [-L] to turn Duo on or off.

To turn Duo on or off:





While holding down the applicable button, press one of the highlighted keys shown below to select a Song or set a parameter.

### 1 Song playback

**DEMO/SONG** +

Quick Play	Book Select	Demo Songs	50 Classics (50 Classical Music Masterpieces) / Lesson Songs
A-1	C40 D40	F40 G40 A40	C41 D41
B-1	D40	F40 G40 A40	F41 G41 A41
C0	D0	F0 G0 A0	C2 D2
D0	F0 G0 A0	F2 G2 A2	C3 D3
E0	F0 G0 A0	F2 G2 A2	F3 G3 A3
F0	G0 A0	F2 G2 A2	C4 D4
G0	A0	F2 G2 A2	F4 G4 A4
A0	B0	F2 G2 A2	C5 D5
B0	C1	F2 G2 A2	F5 G5 A5
C1	D1	F2 G2 A2	C6 D6
D1	E1	F2 G2 A2	F6 G6 A6
E1	F1	F2 G2 A2	B6 C7
F1	G1	F2 G2 A2	
G1	A1	F2 G2 A2	
A1	B1	F2 G2 A2	
B1	C2	F2 G2 A2	
C2	D2	F2 G2 A2	
D2	E2	F2 G2 A2	
E2	F2	F2 G2 A2	
F2	G2	F2 G2 A2	
G2	A2	F2 G2 A2	
A2	B2	F2 G2 A2	
B2	C3	F2 G2 A2	
C3	D3	F2 G2 A2	
D3	E3	F2 G2 A2	
E3	F3	F2 G2 A2	
F3	G3	F2 G2 A2	
G3	A3	F2 G2 A2	
A3	B3	F2 G2 A2	
B3	C4	F2 G2 A2	
C4	D4	F2 G2 A2	
D4	E4	F2 G2 A2	
E4	F4	F2 G2 A2	
F4	G4	F2 G2 A2	
G4	A4	F2 G2 A2	
A4	B4	F2 G2 A2	
B4	C5	F2 G2 A2	
C5	D5	F2 G2 A2	
D5	E5	F2 G2 A2	
E5	F5	F2 G2 A2	
F5	G5	F2 G2 A2	
G5	A5	F2 G2 A2	
A5	B5	F2 G2 A2	
B5	C6	F2 G2 A2	
C6	D6	F2 G2 A2	
D6	E6	F2 G2 A2	
E6	F6	F2 G2 A2	
F6	G6	F2 G2 A2	
G6	A6	F2 G2 A2	
A6	B6	F2 G2 A2	
B6	C7	F2 G2 A2	

50 Classics (50 Classical Music Masterpieces)		Lesson Songs	
1 Canon D dur	11 Salut d'amour op.12	21 Prelude (Wohltemperierte Klavier (No.1)	31 Etude op.10-3 "Chanson de l'adieu" 41 Humoresque
2 Air On the G String	12 From the New World	22 Menuett G dur BWV Anh.14	32 Etude op.10-12 "Revolutionary" 42 Aria
3 Jesus, Joy of Man's Desiring	13 Scilicet	23 Piano Sonate No.15 K.545 1st mov.	33 Valse op.64-1 "Petit chien" 43 Tango (España)
4 Twinkle, Twinkle, Little Star	14 Clair de lune	24 Turkish March	34 Nocturne op.9-2 44 The Entertainer
5 Piano Sonate op.31-2 "Tempest" 3rd mov.	15 Jupiter (The Planets)	25 Piano Sonate op.13 "Patétique" 2nd mov.	35 Nocturne Kk4a-1(6)B1-49 [Posh.] 45 Maple Leaf Rag
6 Ode to Joy	16 Menuett (Eine Kleine Nachtmusik K.525)	26 Fur Elise	36 Träumerei 46 La Fille aux Cheveux de Lin
7 Wiegenlied op.98-2	17 Menuett G dur	27 Piano Sonate op.27-2 "Mondschein" 1st mov.	37 Barcarolle 47 Arabesque No.1
8 Grande Valse Brillante	18 Marcia alla Turca	28 Improvvisu op.90-2	38 La prière d'une vierge 48 Cakewalk
9 Polonaise op.53 "Héroïque"	19 Piano Concerto No.1 op.11 2nd mov.	29 Frühlingstied op.62-6	39 Liebestraße No.3 49 Je te veux
10 La Campanella	20 The Nutcracker Medley	30 Fantaisie-Improvisu	40 Blumenlied 50 Gymnopédies No.1

### 2 Voice settings

**PIANO/VOICE** +

A#-1	C40 D40	F40 G40 A40	C41 D41	F41 G41 A41	C42 D42	F42 G42 A42	C43 D43	F43 G43 A43	C44 D44	F44 G44 A44	C45 D45	F45 G45 A45	C46 D46	F46 G46 A46
B-1	D40	F40 G40 A40	F41 G41 A41	F11 G11 A11	C2 D2	F2 G2 A2	C3 D3	F3 G3 A3	C4 D4	F4 G4 A4	C5 D5	F5 G5 A5	C6 D6	F6 G6 A6
C0	D0	F0 G0 A0	C1 D1	E1 F1	G1 A1 B1	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4
D0	F0 G0 A0	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
E0	F0 G0 A0	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
F0	G0 A0	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
G0	A0	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
A0	B0	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
B0	C1	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
C1	D1	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
D1	E1	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
E1	F1	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
F1	G1	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
G1	A1	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
A1	B1	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
B1	C2	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
C2	D2	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
D2	E2	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
E2	F2	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
F2	G2	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
G2	A2	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
A2	B2	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
B2	C3	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
C3	D3	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
D3	E3	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
E3	F3	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
F3	G3	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
G3	A3	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
A3	B3	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
B3	C4	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
C4	D4	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
D4	E4	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
E4	F4	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
F4	G4	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
G4	A4	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
A4	B4	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
B4	C5	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
C5	D5	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
D5	E5	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
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A5	B5	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
B5	C6	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
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D6	E6	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
E6	F6	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
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G6	A6	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
A6	B6	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5
B6	C7	F2 G2 A2	C2 D2	E2 F2 G2	A2 B2	C3 D3	E3 F3 G3	A3 B3	C4 D4	E4 F4 G4	A4 B4	C5 D5	E5 F5 G5	A5 B5