



DIGITAL PIANO

**P - 1 1 5**

**Owner's Manual**



**OBSERVERA!**

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

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

**VAROITUS:** Laitteen toisiopiiriin kytketty käyttökytkin ei irroita koko laitetta verkosta.

(standby)

### Information for Users on Collection and Disposal of Old Equipment



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC.

By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

**[For business users in the European Union]**

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

**[Information on Disposal in other Countries outside the European Union]**

This symbol is only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

(weee\_eu\_en\_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.**

---

**Serial No.**

---

(bottom\_en\_01)

# PRECAUTIONS

## PLEASE READ CAREFULLY BEFORE PROCEEDING

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

### For AC adaptor



#### WARNING

- This AC adaptor is designed for use with only Yamaha electronic instruments. Do not use for any other purpose.
- Indoor use only. Do not use in any wet environments.



#### CAUTION

- When setting up, make sure that the AC outlet is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch of the instrument and disconnect the AC adaptor from the outlet. When the AC adaptor is connected to the AC outlet, keep in mind that electricity is flowing at the minimum level, even if the power switch is turned off. When you are not using the instrument for a long time, make sure to unplug the power cord from the wall AC outlet.

### For P-115



#### 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/AC adaptor

- Do not place the power cord near heat sources such as heaters or radiators. Also, do not excessively bend or otherwise damage the cord, or place heavy objects on it.
- Only use the voltage specified as correct for the instrument. The required voltage is printed on the name plate of the instrument.
- Use the specified adaptor (page 25) only. Using the wrong adaptor can result in damage to the instrument or overheating.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.

#### Do not open

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

#### Water warning

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

#### Fire warning

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

#### If you notice any abnormality

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

## CAUTION

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

### Power supply/AC adaptor

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

### Location

- Do not place the instrument in an unstable position where it might accidentally fall over.
- Before moving the instrument, remove all connected cables, to prevent damage to the cables or injury to anyone who might trip over them.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.
- Use only the stand specified for the instrument. When attaching it, use the provided screws only. Failure to do so could cause damage to the internal components or result in the instrument falling over.

### Connections

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

### Handling caution

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

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

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

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

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

## NOTICE

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

### ■ Handling

- Do not use the instrument in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the instrument, TV, or radio may generate noise. When you use the instrument along with an application on your iPad, iPhone or iPod touch, we recommend that you set "Airplane Mode" to "ON" on that device in order to avoid noise caused by communication.
- Do not expose the instrument to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration, damage to the internal components or unstable operation. (Verified operating temperature range: 5° – 40°C, or 41° – 104°F.)
- Do not place vinyl, plastic or rubber objects on the instrument, since this might discolor the panel or keyboard.

### ■ Maintenance

- When cleaning the instrument, use a soft cloth. Do not use paint thinners, alcohol, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

### ■ Saving data

- Some types of data (page 24) will be stored in internal memory, and maintained even if the power is turned off. However, the data could be lost due to malfunction or incorrect operation. Save important data to a computer.

## Information

### ■ About copyrights

- Copying of the commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.
- This product incorporates and bundles computer programs and contents in which Yamaha owns copyrights or with respect to which it has license to use others' copyrights. Such copyrighted materials include, without limitation, all computer software, style files, MIDI files, WAVE data, musical scores and sound recordings. Any unauthorized use of such programs and contents outside of personal use is not permitted under relevant laws. Any violation of copyright has legal consequences. DON'T MAKE, DISTRIBUTE OR USE ILLEGAL COPIES.

### ■ 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, and may appear somewhat different from those on your instrument.
- iPad, iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
- 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.

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## With this instrument, you can:

- ◆ Enjoy the feel of an authentic piano action with the Graded Hammer Standard (GHS) keyboard.
- ◆ Listen to the 50 Piano Preset Songs, or practice these preset songs by playing each part separately (pages 17 and 22).
- ◆ Feel like a pro with the “Pianist Style” feature that automatically adds accompaniment when you simply press a chord on the keyboard, and with the “Rhythms” feature that adds rhythmic arpeggios to your performance (pages 18 and 19).
- ◆ Practice effectively by using the built-in recorder and metronome (page 18).
- ◆ Enjoy easy operation by connecting your iPhone, iPad or iPod touch. To use this, you'll need to install the “Digital Piano Controller” application (free for download; see page 23).

*Thank you for purchasing this Yamaha Digital Piano!*

*We recommend that you read this manual carefully so that you can fully take advantage of the advanced and convenient functions of the instrument.*

*We also recommend that you keep this manual in a safe and handy place for future reference.*

## About the Manuals

This instrument has the following documents and instructional materials.

### Included Documents



#### Owner's Manual (this book)

#### Quick Operation Guide (pages 28 to 29)

Shows in chart form the functions assigned to the buttons and the keyboard for quick understanding.

### Online Materials (PDF)



#### iPhone/iPad Connection Manual

Explains how to connect the instrument to smart devices, such as iPhone, iPad, etc.



#### Computer-related Operations

Contains instructions about computer-related functions.



#### MIDI Reference

Contains MIDI-related information.



#### MIDI Basics (only in English, French, German and Spanish)

Contains basic explanations about what MIDI is and can do.

To obtain these manuals, access the Yamaha Downloads website. Select your country, enter "P-115" in the Model Name box, then click [Search].

#### Yamaha Downloads

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

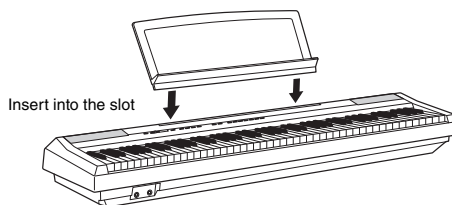
### Accessories

- Owner's Manual
- AC Adaptor\*
- Warranty\*
- Online Member Product Registration\*\*
- Footswitch

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

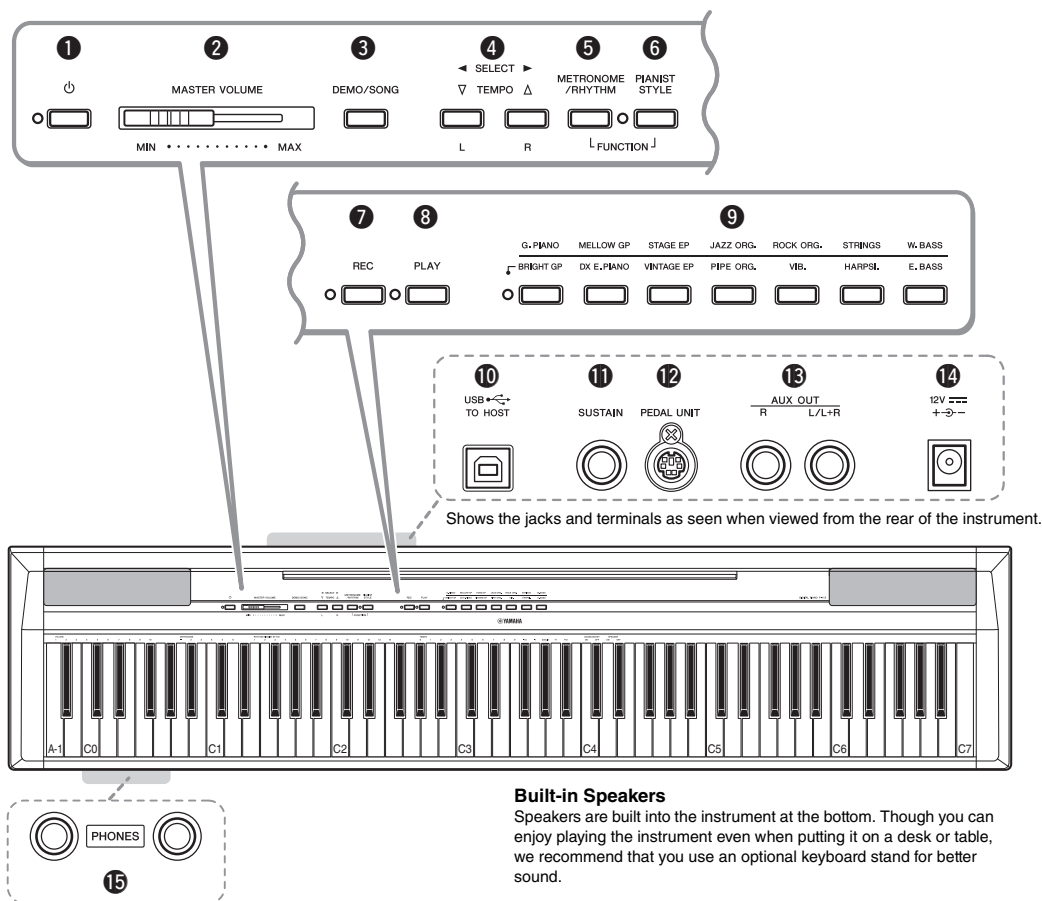
\*\* The PRODUCT ID on the sheet will be needed when you fill out the User Registration form.

- Music Rest





# Panel Controls and Terminals



Shows the jacks and terminals as seen when viewed from the rear of the instrument.

## Built-in Speakers

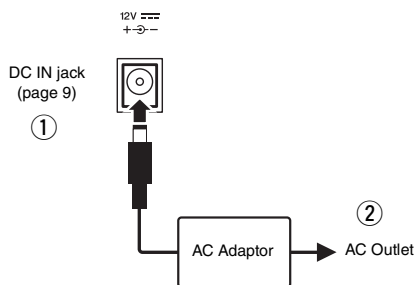
Speakers are built into the instrument at the bottom. Though you can enjoy playing the instrument even when putting it on a desk or table, we recommend that you use an optional keyboard stand for better sound.

- 1 [⏻] (Standby/On) switch .....page 10**  
For turning the power on or setting to standby.
- 2 [MASTER VOLUME] slider .....page 11**  
For adjusting the volume of the entire sound.
- 3 [DEMO/SONG] button .....page 17**  
For playing the Demo Songs and the Preset Songs.
- 4 TEMPO [▽][△]/SELECT [◀][▶] buttons .....page 17**  
For selecting a Song during playback, adjusting the tempo, and selecting the Song part for recording and playback.
- 5 [METRONOME/RHYTHM] button.....page 18**  
For starting or stopping the metronome or rhythm.
- 6 [PIANIST STYLE] button .....page 19**  
For using the Pianist Styles.
- 7 [REC] button ..... page 20**  
For recording your keyboard performance.
- 8 [PLAY] button ..... page 20**  
For playing back the recorded performance.
- 9 Voice buttons.....page 13**  
For switching the Voice between those printed above and below the line.  
For selecting a Voice or two Voices played simultaneously, such as Piano and Organ.
- 10 [USB TO HOST] terminal .....page 24**  
For connecting to a computer or a smart device such as iPhone or iPad.
- 11 [SUSTAIN] jack .....page 12**  
For connecting the included footswitch, an optional footswitch and foot pedal.
- 12 [PEDAL UNIT] jack .....page 12**  
For connecting an optional pedal unit.
- 13 AUX OUT [R][L/L+R] jacks .....page 23**  
For connecting external audio equipment.
- 14 DC IN jack .....page 10**  
For connecting the power adaptor.
- 15 [PHONES] jacks .....page 11**  
For connecting a set of standard stereo headphones.

# Setting Up

## Power Requirements

Connect the AC adaptor plugs in the following order.



\* The shape of the plug and outlet differs depending on locale.

### WARNING

- Use the specified adaptor (page 25) only. Using the wrong adaptor can result in damage to the instrument or overheating.

### CAUTION

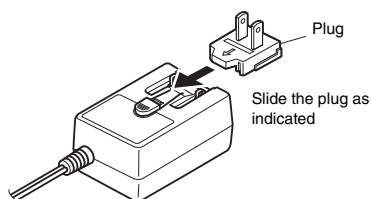
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet.

### NOTE

- To disconnect the power adaptor, press the [⏻] (Standby/On) switch and carry out the above procedure in reverse order.

## For the Power Adaptor with a Removable Plug

Do not remove the plug from the power adaptor. If the plug is removed accidentally, slide the plug into place without touching the metallic parts, and then push the plug in completely until it clicks.



\* The shape of the plug differs depending on locale.

### WARNING

- Make sure to keep the plug attached to the AC adaptor. Using the plug alone can cause electric shock or fire.
- 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.

## Turning the Power On/Off

- ① Set the volume to the minimum.
- ② Press the [⏻] (Standby/On) button to turn on the power.



When the power is supplied to the instrument, the power lamp located on the left of the power switch is turned on. While playing the keyboard, adjust the volume level by using the [MASTER VOLUME] slider. To turn off the power, press the [⏻] (Standby/On) switch again for a second.

### CAUTION

- Even when the power switch is turned off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.

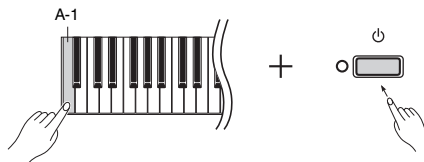
## Auto Power Off Function

To prevent unnecessary power consumption, this function automatically turns the power off if no buttons or keys are operated for approximately 30 minutes. If desired, you can disable or enable this function.

### To disable the Auto Power Off function:

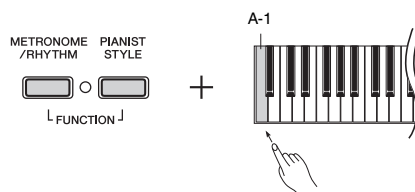
#### When the instrument is turned off:

While holding down the lowest key (A-1), press the [⏻] (Standby/On) switch to turn on the power so that the power indicator flashes three times, after which the Auto Power Off function is disabled.



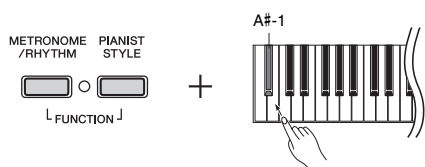
#### When the instrument is turned on:

While holding down [METRONOME/RHYTHM] and [PIANIST STYLE] simultaneously, press the lowest key (A-1).



### To enable the Auto Power Off function:

While holding down [METRONOME/RHYTHM] and [PIANIST STYLE] simultaneously, press the A#-1 key.

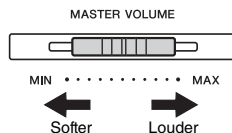


#### NOTICE

- If your digital piano is connected to other equipment such as amplifiers, speakers, or a computer but you do not intend to use it for 30 minutes, we recommend that you turn off all devices as described in their owner's manuals. Doing so eliminates the risk of damage to the other equipment. If you do not want the instrument to turn off automatically when connected to other equipment, disable the Auto Power Off function.

## Setting the Volume

When you start playing, use the [MASTER VOLUME] to adjust the volume of the entire keyboard sound.



## Intelligent Acoustic Control (IAC)

With this function, the sound quality of this instrument is automatically adjusted and controlled according to the overall volume. Even when the volume is low, you can hear both low sounds and high sounds clearly.

### To turn on/off the IAC:

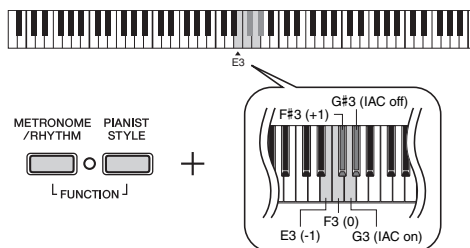
While holding down [METRONOME/RHYTHM] and [PIANIST STYLE] simultaneously, press the G3 key to turn on or G#3 to turn off.

**Default setting:** on

### To adjust the IAC Depth:

While holding down [METRONOME/RHYTHM] and [PIANIST STYLE] simultaneously, press the E3 key to decrease by one, F#3 to increase by one, or F3 to reset to 0 (default).

**Setting range:** -3 - 0 - +3



## Setting the Operation Confirmation Sounds

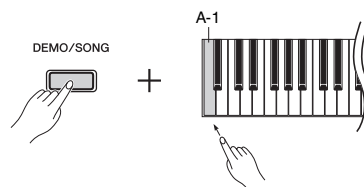
Because of the simple, piano-like design of this instrument, there are a minimum of panel controls, and most settings are made using the keys of the keyboard. When you turn a function on or off, or change a setting, the instrument produces a sound to confirm the change. There are three types of sounds used: an ascending sound for on, a descending sound for off, and clicks for other settings. For the list of functions assigned to the buttons and keys, see “Quick Operation Guide” on page 28, 29.

### Setting the Operation Confirmation Sounds On or Off

You can enable or disable the Operation Confirmation Sounds as desired.

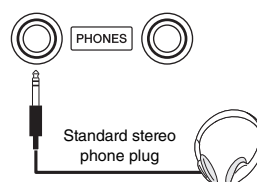
While holding [DEMO/SONG], press the A-1 key. Every time you press the A-1 key, the setting is switched on or off.

**Default setting:** on



## 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, shutting off the speakers.

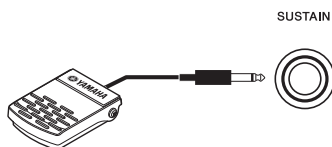


#### CAUTION

- To protect your hearing, avoid listening with the headphones at a high volume level for long periods of time.

## Using a Footswitch

The [SUSTAIN] jack is for connecting the included footswitch, which works in the same way as a damper pedal on an acoustic piano. Also an optional FC3A foot pedal or FC4A or FC5 footswitch can be connected to this jack. The FC3A lets you use the Half Pedal function.



### Half Pedal function (for FC3A and LP-5A/LP-5AWH)

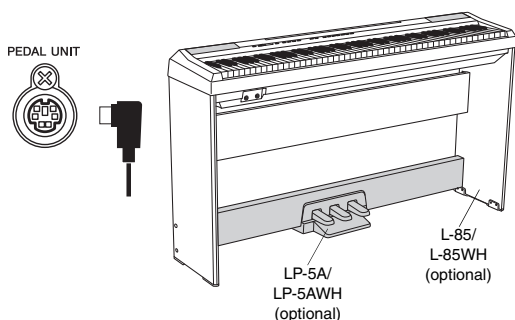
If you are playing the piano with sustain and want a clearer, less muddled sound (especially in the bass register), let up on your foot from the pedal to half position or higher.

**NOTE**

- Do not press the footswitch when turning the power on. Doing this changes the recognized polarity of the footswitch, resulting in reversed footswitch operation.
- Make sure that power is OFF when connecting or disconnecting the footswitch or pedal.

## Using the Optional Pedal Unit

The [PEDAL UNIT] jack is for connecting an optional LP-5A/LP-5AWH pedal unit. When connecting the pedal unit, make sure to also assemble the unit on an optional keyboard stand (L-85/L-85WH).

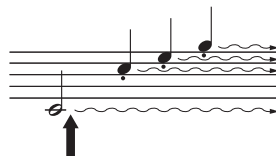


**NOTE**

- Make sure that power is OFF when connecting or disconnecting the pedal unit.

## Damper (Right) Pedal

Pressing this pedal will sustain notes longer. Releasing this pedal immediately stops (damps) any sustained notes. A “half-pedal” function of this pedal creates partial sustain effects, depending on how far down you press the pedal.



If you press and hold the damper pedal here, all the notes shown will be sustained.

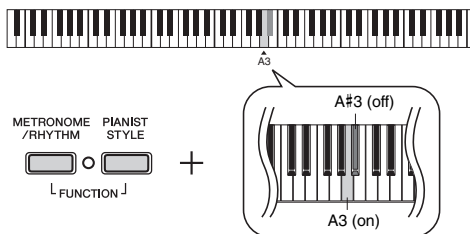
### • Damper Resonance

This function simulates the sustain sound produced via the damper pedal on a grand piano.

#### To turn Damper Resonance on/off:

While holding down [METRONOME/RHYTHM] and [PIANIST STYLE] simultaneously, press the A3 key (on) or A#3 key (off).

Default setting: on

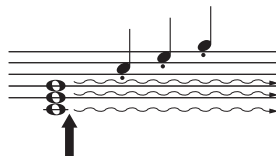


**NOTE**

- Damper Resonance cannot be used in Duo (page 15).

## Sostenuto (Center) Pedal

If you play a note or chord on the keyboard and press the sostenuto pedal while the note(s) are held, those notes will sustain as long as you hold the pedal (as if the damper pedal had been pressed) but all subsequently played notes will not be sustained. This makes it possible to sustain a chord, for example, while other notes are played “staccato.”



If you press and hold the sostenuto pedal here, only the notes held at this timing will be sustained.

## Soft (Left) Pedal

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

**NOTE**

- When you select the JAZZ ORGAN or ROCK ORGAN Voice, the Left pedal functions to switch the rotary speed of the rotary speaker.

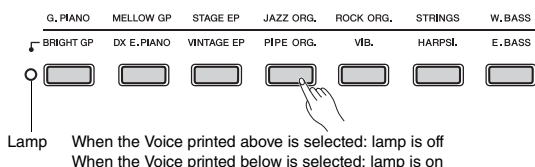
# Selecting & Playing Voices

## Selecting a Voice

The instrument has a wide variety of Voices, or instrument sounds, for your enjoyment, including Piano and Organ.

### 1 Press a Voice button once or twice.

Pressing the same Voice button alternates the on/off status of the lamp, changing between the Voices whose names are printed above and below the line.



#### Voice List

Voice Name	Description
GRAND PIANO	Sampled from a concert grand piano. It uses different samples depending on the playing strength and produces smoother tonal changes. Suitable not only for classical compositions but also for any style music.
BRIGHT GRAND	Bright piano sound. Clear tone helps the sound to "cut through" when playing in an ensemble.
MELLOW GRAND	Warm and soft piano sound. Good for playing ballads.
DX E.PIANO	An electronic piano sound created by FM synthesis. Good for standard popular music.
STAGE E.PIANO	Vintage electric piano sound of hammer-struck metallic "tines." Soft tone when played lightly, and an aggressive tone when played hard.
VINTAGE E.PIANO	Another vintage electric piano sound different from STAGE E.PIANO often heard in rock and popular music.
JAZZ ORGAN	A "tonewheel" type electric organ. Often heard in jazz and rock music. When the separately sold Pedal Unit (LP-5A/LP-5AWH) is connected, the rotary speed of the "ROTARY SP" effect can be switched by using the left pedal.
PIPE ORGAN	A typical pipe organ sound (8 feet + 4 feet + 2 feet). Good for sacred music from the Baroque period.
ROCK ORGAN	Bright and edgy electric organ sound. Good for rock music. When the separately sold Pedal Unit (LP-5A/LP-5AWH) is connected, the rotary speed of the "ROTARY SP" effect can be switched by using the left pedal.
VIBRAPHONE	Played with relatively soft mallets. The tone becomes more metallic the harder you play.
STRINGS	Stereo-sampled, large-scale strings ensemble with realistic reverb. Try combining this Voice with piano in the Dual mode.
HARPSICHORD	The definitive instrument for baroque music. Authentic harpsichord sound, with plucked strings, no touch response, and characteristic key-release sound.
WOOD BASS	An upright bass played fingerstyle. Ideal for jazz and Latin music.
E. BASS	For a wide range of music styles, jazz, rock, popular, and more.

## 2 Play the keyboard.

#### NOTE

- To familiarize yourself with the characteristics of the voices, listen to the demo songs for each voice (page 17).
- You can shift the Octave as described in the next section (see "To Shift the Octave for each Voice" on page 14).

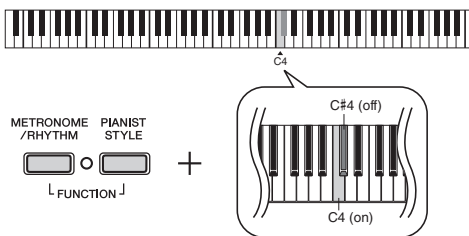
## Strengthening the Overall Sound (Sound Boost)

By using the instrument's Sound Boost function when playing along with other instruments, you can raise the volume and enhance the presence of your performance without sacrificing any expressiveness. This function is particularly useful when you want not only notes played very loud, but also those played softly, to be clearly audible.

While holding down [METRONOME/RHYTHM] and [PIANIST STYLE] simultaneously, press the C4 key to turn on, or press the C#4 key to turn off.

**Default setting:** off

\* Refer to the printing above the keyboard (SOUND BOOST ON or OFF).



## Layering Two Voices (Dual)

You can play Voices simultaneously across the entire range of the keyboard. Note that the Voice of the left side button is designated as Voice 1, while the Voice of the right side button is designated as Voice 2.

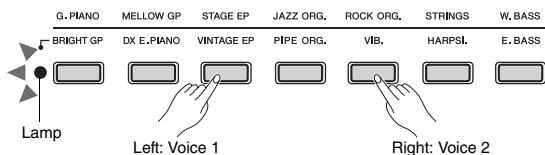
#### NOTE

- Two Voices of the same button cannot be layered (for example, STRINGS and HARPSICHORD).

### 1 Engage Dual.

Press the desired Voice button once or twice (depending on the desired Voice), then while holding down that button, press the other Voice button once or twice. When the lamp is off, the Voice printed above the line is selected; when the lamp is on, the Voice printed below is selected. When the buttons are released, Dual is engaged. The lamp indicates the status of the Voice 1 selection.

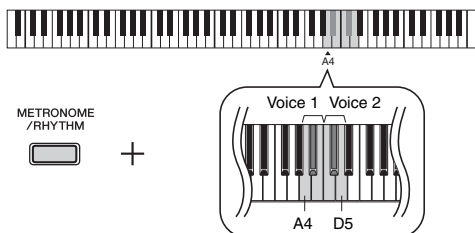
For example: when selecting VINTAGE EP and ROCK ORG



## 2 Play the keyboard to enjoy the dual sound.

To shift the Octave for each Voice:

While holding down [METRONOME/RHYTHM], press any of the keys A4 to D5 on the keyboard.

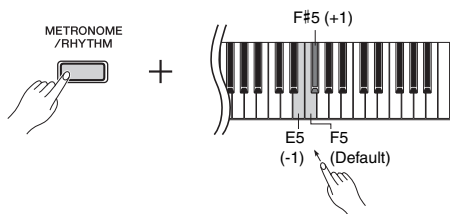


Voice 1	A4	-1	Voice 2	C5	-1
	A#4	0 (Default)		C#5	0 (Default)
	B4	+1		D5	+1

Setting range: -3 - 0 + 3

To adjust the balance between two Voices:

While holding down [METRONOME/RHYTHM], press any of the keys E5 to F#5. Settings above the default increase the volume of Voice1, and vice versa.



E5	-1
F5	0 (Default)
F#5	+1

Setting range: -6 - 0 + 6

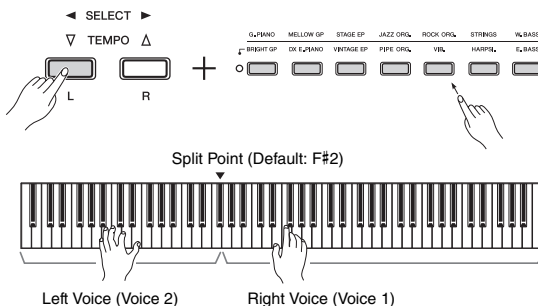
## 3 To exit from Dual, simply press any Voice button.

## Splitting the Keyboard (Split)

You can play different Voices your left and right hands.

### 1 While holding [L], press a Voice button to engage Split.

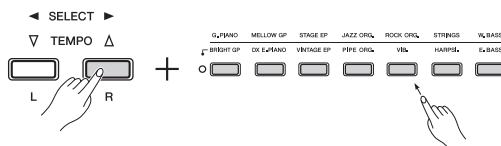
The Left Voice (Voice 2) is selected. The keyboard is divided into the two sections with the F#2 key as the Split Point.



**NOTE**

- Only Dual or Split can be called up; both cannot be used together.
- Pedal functions cannot be used on the left Voice.

### 2 To change the Right Voice (Voice 1) in this status, select a Voice while holding [R].



To shift the Octave for each Voice:

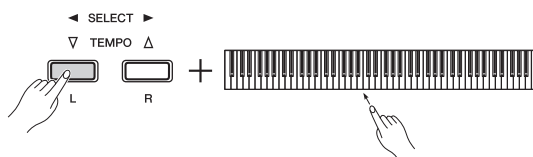
Same as in Dual (see column at left).

To adjust the volume balance between two Voices:

Same as in Dual (see column at left).

To change the Split Point:

While holding [L], press the desired key.



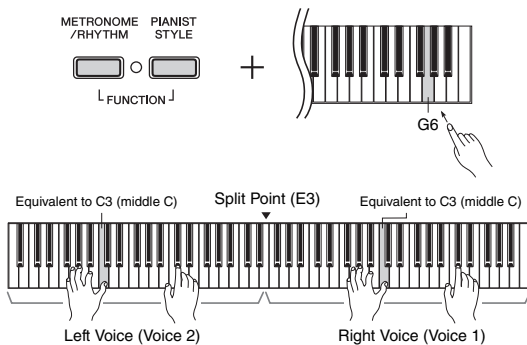
### 3 To exit from Split, simply press any Voice button.

## 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 [METRONOME/RHYTHM] and [PIANIST STYLE] simultaneously, press the G6 key to engage Duo.

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



#### NOTE

- The Split Point cannot be changed from E3.
- If the keyboard is in Dual, engaging Duo will exit from Dual. The Voice 1 is used as the Voice of the entire keyboard.

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

Sounds played with the left voice are played from the left speaker, and sounds played with the right voice are played from the right speaker.

#### To change the Left Voice:

While holding down [L], press a Voice button once or twice.

#### To change the Right Voice:

While holding down [R], press a Voice button once or twice.

#### To change the Right and Left Voices to the same single Voice:

Simply press the Voice button once or twice.

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

Same as in Dual (page 14).

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

Same as in Dual (page 14).

## Pedal function in Duo

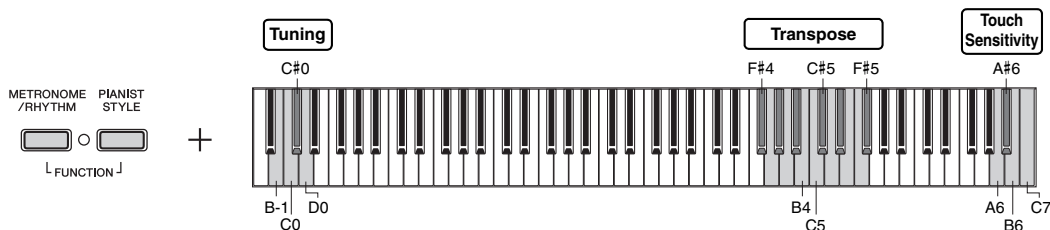
The Footswitch connected to the [SUSTAIN] jack affects both Right and Left sections. The optional Pedal unit (page 12) functions as follows:

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

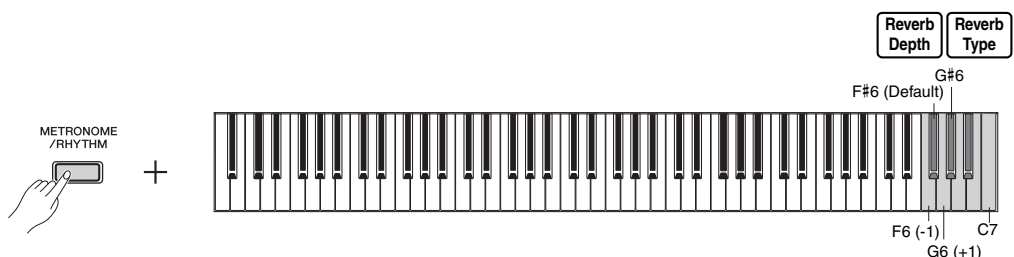
### 3 To exit from Duo, press the G6 key while holding [METRONOME/RHYTHM] and [PIANIST STYLE] simultaneously.

# Setting Various Items For Performances

To set items shown in the tables below, hold down the corresponding buttons or button, and press the corresponding keys on the keyboard. Refer to the Quick Operation Guide on pages 28 to 29.



Item	Description	Keys	Settings
<b>Changing the Touch Sensitivity</b>	You can specify the degree of Touch Sensitivity (how the sound responds to your playing strength). <i>[NOTE]</i> • Touch Sensitivity cannot be used for jazz organ, pipe organ, rock organ, or harpsichord voices.	A6	<b>Fixed:</b> The volume level does not change at all regardless of whether you play the keyboard soft or hard.
		A#6	<b>Soft:</b> The volume level does not change much when you play the keyboard soft or hard.
		B6	<b>Medium:</b> This is the standard piano touch response (default setting).
		C7	<b>Hard:</b> The volume level changes very widely from pianissimo to fortissimo to facilitate dynamic and dramatic expression. You have to hit the keys hard to produce a loud sound.
<b>Key Transposition</b>	You can shift or transpose the pitch of the entire keyboard up or down in semitones. For example, if you set the transpose to “+5,” the key C will produce the pitch F. You could, therefore, play a song as if it was in C major and the digital piano would transpose it to the key of F major. <b>Setting range:</b> -6 (F#4) – 0 (C5) – +6 (F#5)	F#4 – B4	Transposes the pitch down (to play lower notes than the actual keys).
		C5	Restores the original pitch (0).
		C#5 – F#5	Transposes the pitch up (to play higher notes than the actual keys).
<b>Fine-tuning the Pitch</b>	Using the Tuning setting, you can fine tune the pitch of the entire instrument. This can be extremely useful when playing your digital piano along with other instruments or recorded music. <b>Setting range:</b> 414.8 – 440.0 – 466.8 Hz	B-1	Resets the pitch to the default (A3 = 440.0 Hz).
		C0	Sets the pitch to A3 = 442.0 Hz.
		C#0	Lowers the pitch in approximately 0.2 Hz increments (-0.2 Hz).
		D0	Raises the pitch in approximately 0.2 Hz increments (+0.2 Hz).



Item	Description	Keys	Settings
<b>Setting the Reverb Type</b>	Using the digital piano's Reverb function, you can add reverberation similar to that of a concert hall to individual Voices. Whenever you select a Voice, the most suitable reverb will be automatically set; however, you can freely set the Reverb Type as desired.	G#6	<b>Recital Hall:</b> Simulates the clear reverb sound you would hear in a medium-sized concert hall for piano recitals.
		A6	<b>Concert Hall:</b> Simulates the gorgeous reverb sound you would hear in a large concert hall for orchestral performances
		A#6	<b>Chamber:</b> Suitable for playing chamber music; simulates the intimate reverb sound you would hear in a spacious room, such as for classical music recitals.
		B6	<b>Club:</b> Simulates the vivid reverb sound you would hear in a live music venue or a jazz club.
		C7	<b>Off:</b> No effect is applied.
<b>Setting the Reverb Depth</b>	Adjusts the Reverb Depth. <b>Setting range:</b> 0 – 20	F6	Decreases by one.
		F#6	Restores the default setting (which is the best suited depth setting for the current Voice.)
		G6	Increases by one.



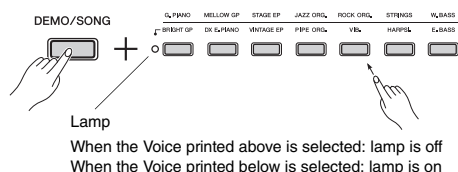
# Playing Back Songs

## Listening to the Voice Demo Songs

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

- 1 While holding down [DEMO/SONG], press one of the desired Voice buttons once or twice, then release the buttons to start playback.

Pressing the same Voice button alternates the on/off status of the lamp, changing between the Voices whose names are printed above and below the line. After selecting a Voice, release both buttons. The Demo Songs for all Voices will play back in sequence (from left to right).

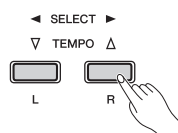


### NOTE

- Simply pressing [DEMO/SONG] will start playback of all Demo Songs from the first (Grand Piano) in sequence.

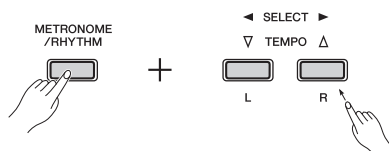
### To change the Demo Song during playback:

- Select another Voice. For details on selecting a Voice, refer to page 13.
- Press SELECT [◀] or [▶] to call up the previous or next Demo Song.



### To adjust the playback tempo:

While holding down [METRONOME/RHYTHM], press TEMPO [▽] or [△] to decrease or increase by one.



### Demo Song List (abbreviated)

Voice Name	Title	Composer
MELLOW GRAND	Intermezzo, 6 Stücke, op.118-2	J. Brahms
PIPE ORGAN	Herr Christ, der ein'ge Gottes-Sohn, BWV.601	J.S. Bach
HARPSICHORD	Concerto a cembalo obbligato, 2 violini, viola e continuo No.7, BWV.1058	J.S. Bach

The demonstration pieces listed above are short rearranged excerpts of the original compositions. All other songs are original (© 2014 Yamaha Corporation).

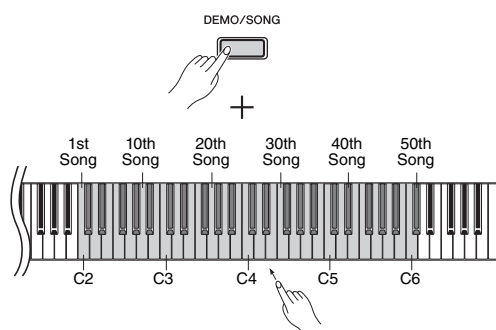
- 2 Press [DEMO/SONG] again to stop playback.

## Listening to the 50 Piano Songs (Preset Songs)

In addition to the Demo Songs, Preset Songs are provided for your listening pleasure. Choose a Song from the Preset Song List on page 26, then follow the instructions below.

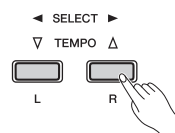
- 1 While holding down [DEMO/SONG], press one of the C2 – C#6 keys to start playback.

The Preset Songs will play back in sequence. Each of the Preset Songs is assigned to each of these keys. For details on assignment, see “Quick Operation Guide” (page 28).



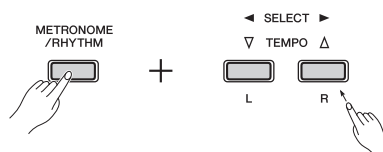
### To change to another Song during playback:

- While holding down [DEMO/SONG], press one of the C2 – C#6 keys.
- Press SELECT [◀] or [▶] to call up the previous or next Demo Song.



### To adjust the playback tempo:

While holding down [METRONOME/RHYTHM], press TEMPO [▽] or [△].



- 2 Press [DEMO/SONG] again to stop playback.

# Using the Metronome/Rhythm

The Metronome is convenient for practicing with an accurate tempo. The Metronome sound features several rhythms (page 26) as well as the conventional click sound.

## 1 Press [METRONOME/RHYTHM] to start the Metronome.

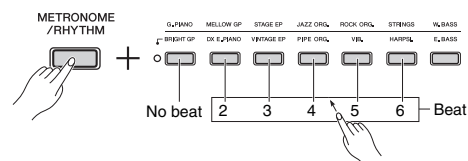
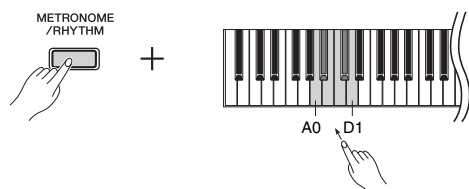


## 2 Press [METRONOME/RHYTHM] again to stop the Metronome.

### Selecting a Beat (Time Signature)

While holding down [METRONOME/RHYTHM], press one of the A0 – D1 keys or one of the Voice buttons.

\* Refer to the “METRONOME” indications (- to 6) printed above these keys.



### Selecting a Rhythm

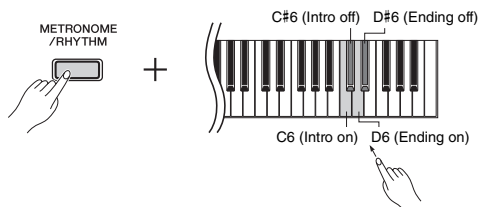
While holding down [METRONOME/RHYTHM], press one of the E1 – F2 keys. For details on which Rhythm number is assigned to each key, see “Quick Operation Guide” (page 29).



### Setting Intro/Ending on or off

This adds an Intro/Ending to the beginning or at the end of the rhythm section. You can enable (On) or disable (Off) the sound of the Intro/Ending as desired. While holding down [METRONOME/RHYTHM], press one of the C6 – D#6 keys.

**Default setting:** on



### Adjusting the Tempo

#### To increase or decrease the value by 1:

When the Metronome/Rhythm is playing back, press TEMPO [▽] or [△]. When it is stopped, press TEMPO [▽] or [△] while holding down [METRONOME/RHYTHM].

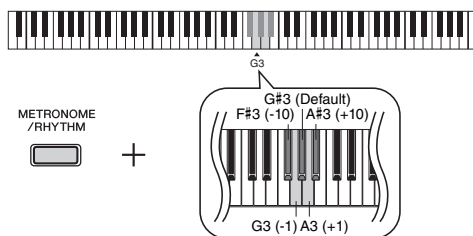
#### To reset the value to the default (120):

When the Metronome/Rhythm is playing back, press both TEMPO [▽] and [△] simultaneously. When it is stopped, press both TEMPO [▽] and [△] simultaneously while holding down [METRONOME/RHYTHM].

#### To increase or decrease the value by 1 or 10:

While holding down [METRONOME/RHYTHM], press one of the F#3 – A#3 keys.

\* Refer to the “TEMPO” indications (-10 to +10) printed above these keys.



#### To specify a three-digit value:

While holding down [METRONOME/RHYTHM], press the appropriate keys G#2 – F3 one by one. For example, press the G#2 (0), F3 (9) and C#3 (5) keys in order to specify “95.”

\* Refer to the “TEMPO” indications (0 to 9) printed above these keys.

### Adjusting the Volume

While holding down [METRONOME/RHYTHM], press the desired key between A-1 and F#0. The higher the key, the higher the volume.

**Setting range:** 1 – 10

**Default setting:** 7

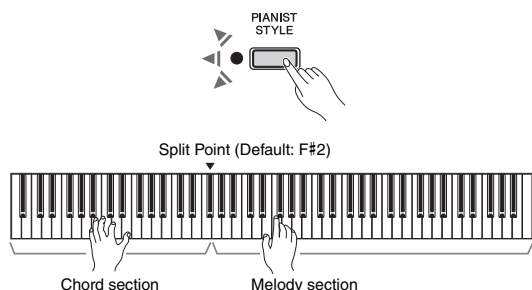
\* Refer to the “VOLUME” indications (1 to 10) printed above these keys.

# Adding Accompaniment to Your Performance (Pianist Styles)

You can automatically play rhythmic arpeggios by specifying the chord type with your left hand, while playing a melody with your right hand.

## 1 Press [PIANIST STYLE] so that the lamp flashes.

The keyboard is divided into the Chord section (Left) and Melody section (Right).

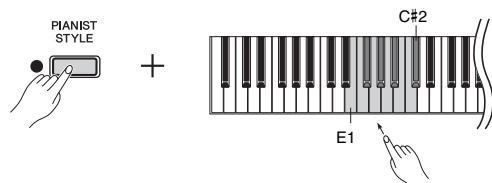


### To change the Split Point:

Same as in Split (page 14).

## 2 While holding [PIANIST STYLE], press one of the E1 – C#2 keys to select the desired Style.

For details on which Pianist Style is assigned to each key, see “Quick Operation Guide” (page 28).



## 3 Play a chord with your left hand to start playback of the Pianist Style.

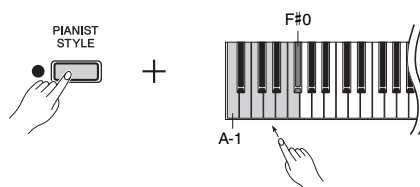
Play a melody with your right hand, along with the chords you play.

### NOTE

- For details on how to play Chords, refer to commercially available chord books.
- You cannot use Pianist Style and Rhythms at the same time.

### To adjust the Pianist Style Volume:

While holding down [PIANIST STYLE], press one of the A-1 – F#0 keys. The higher the key, the higher the volume.



Setting range: 1 – 10

Default setting: 7

\* Refer to the numbers 1 – 10 printed in the VOLUME indications above the keyboard.

### To change the tempo:

Basically, this is the same as Metronome tempo (page 18). In addition, you can change the tempo also by pressing the specified keys while holding [PIANIST STYLE]. For details about the key assignment, refer to the Quick Operation Guide (page 28).

## 4 Press [PIANIST STYLE] to stop playback.

The lamp turns off, and the keyboard returns to the original status.

# Recording Your Performance

You can record your keyboard performance as a User Song in SMF format. Up to two Parts (L and R) can be recorded separately.

## NOTICE

- Note that the Recording operation replaces already recorded data with the newly recorded data, since only one User Song is available. Before recording, check whether the [PLAY] lamp is lit or not. If the [PLAY] lamp is lit, already recorded data exists and you may want to save it. To save the recorded data, transfer it to a computer as an SMF. For details, refer to "Computer-related Operations."

## NOTE

- You can record up to 100 KB (or approximately 11,000 notes) on this instrument.

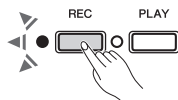
## Quick Recording

### 1 Before recording, make the settings such as Voice and Beat.

Because some of the settings cannot be changed after the Record mode is engaged, make the settings according to your performance preferences. For example, if you want to record your performance with a Pianist Style, turn on [PIANIST STYLE].

### 2 Press the [REC] to engage Record Ready mode.

The [REC] lamp will flash according to the current tempo. If necessary, set the tempo (page 18).

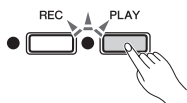


## NOTE

- You cannot engage Record mode while a song is playing.
- You can use the Metronome/Rhythm while recording; however, the Metronome/Rhythm sound will not be recorded. When recording one of the Pianist Styles along with your performance, the Metronome/Rhythm can neither be heard nor recorded.

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

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



Play the keyboard and record your performance.



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

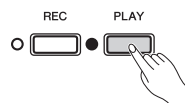
The [REC] and [PLAY] lamps flash, indicating that the recorded data is being stored. After Store is completed, the [REC] lamp turns off.

## 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.

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

Press [PLAY] again to stop playback.



## Part Assignment

When either the Pianist Style or Split/Duo is used for recording, the data as listed below will be recorded to each part.

	L part	R part
When Pianist Style is on:	Chord change in the left hand section	Keyboard performance in the right hand section
When Split or Duo is on:	Keyboard performance in the left hand section	Keyboard performance in the right hand section

## Recording Independently to Two Parts

You can record your performance to the L part (left hand part) and R part (right hand part) separately.

## NOTICE

- If you select a Part containing data, the Recording operation will replace the already-recorded data with the new data.

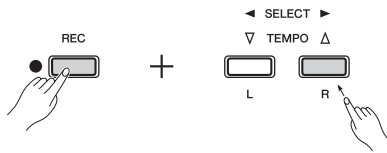
## NOTE

- When you use Pianist-style, Split or Duo, use the Quick Recording method. You cannot record each part separately.

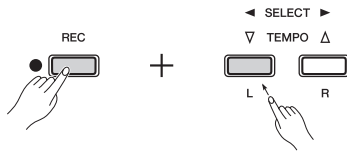
### 1 Before recording, make the settings such as Voice and Beat.

### 2 While holding down [REC], press [R] or [L] for the part you want to record, to engage Record ready Mode.

### To record the right part ([R]):



### To record the left part ([L]):



After a while, the [REC] lamp will flash at the current tempo. If necessary, set the tempo (page 18).

### 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, hold down [PLAY] and press the appropriate Part button.

#### NOTE

- You can use the Metronome/Rhythm while recording; however, the Metronome/Rhythm sound will not be recorded.

### 3 Start recording.

Play the keyboard or press [PLAY] to start recording. The [REC] lamp lights up while the [PLAY] lamp flashes at the current tempo.

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

The [REC] and [PLAY] lamps flash, indicating that the recorded data is being stored. After the operation is completed, the [REC] lamp will be turned off.

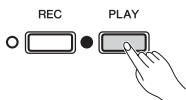
#### NOTICE

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

### 5 If desired, record the other part by repeating Steps 1 – 4.

### 6 To hear the recorded Song, Press [PLAY] to start playback.

Press [PLAY] again to stop playback.



## Deleting the User Song

### 1 Press [REC] to engage Record Ready mode.

The [REC] lamp will flash.

### 2 While holding down [PLAY], press [REC] so that both the lamps flash.

#### NOTE

- To exit from this status, press any other button such as [DEMO/SONG].

### 3 Press any one of the buttons [PLAY], [REC], [L] or [R] to delete the data of the entire Song.

After the operation is completed, both lamps turn off.

### To delete a specific Part:

### 1 While holding down [REC], press [L] or [R] to engage the Record Ready mode.

The [REC] lamp will flash.

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

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

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

## Changing the Initial Settings of the Recorded Song

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

#### For individual parts:

Voice, Balance, Reverb Depth, Pedal (Damper/Soft)

#### For the entire Song:

Tempo, Reverb Type, Pianist Style Volume

### 1 Make the settings of the above parameters.

Continue to the next page.

**2 While holding down [REC], press the desired Part button to engage Record Ready mode.**

If you want to change the value of the parameters shared by two parts, select either part.

**NOTICE**

- In this status, do not press [PLAY] again or any key. Otherwise, recording starts and the data will be deleted.

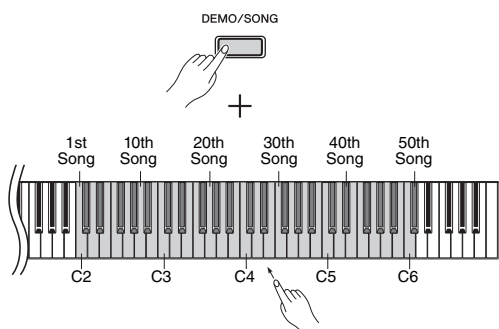
**3 Press [REC] again to change the initial settings and to exit from Record Ready mode.**

# Song Playback and Practice of Each Part

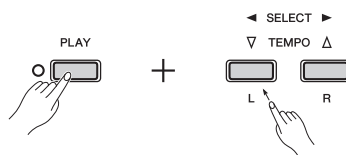
All the Songs except for the Demo (page 17) let you turn on or off the [L] and [R] parts individually. By turning off [R], for example, you can practice the [R] part while the [L] part is playing back, and vice versa.

**1 Start playback of the desired Song.**

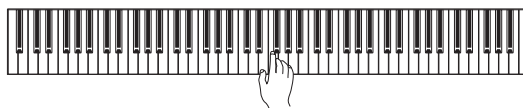
To start the User Song, press [PLAY].  
 To start the Preset Song, press one of the C2 – C#6 keys to start playback while holding down [DEMO/SONG].  
 For details on what Song number is assigned to each key, see “Quick Operation Guide” (page 28).



**2 While holding down [PLAY], press [L] or [R] to turn the Part on/off.**



**3 Practice the part which is turned off.**



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

**NOTE**

- Selecting another Song will cancel the on/off status of the parts.

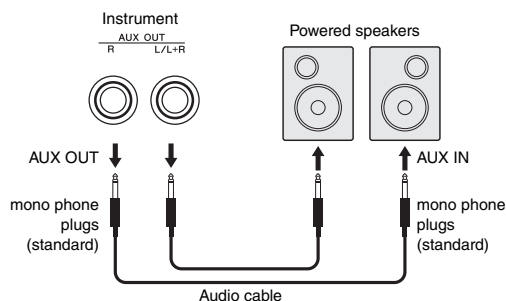
# Connecting Other Equipment

## ⚠ CAUTION

- Before connecting the instrument to other electronic components, turn off the power to all the components. Before turning the power on or off to all components, set all volume levels to minimum (0). Otherwise, electrical shock or damage to the components may result.

## Connecting External Speakers

Use these jacks to connect your digital piano to powered speakers and the like in order to play at higher volumes. Refer to the diagram below and use audio cables for connection.



## NOTICE

- When the instrument's sound is output to an external device, first turn on the power to the instrument, then to the external device. Reverse this order when you turn the power off.

## NOTE

- Select cables and plugs with the lowest resistance possible.
- Use only the [L/L+R] AUX OUT jack if you wish to output the digital piano's sound in mono.

## Speaker on/off status

Using this parameter, you can specify whether the digital piano's built-in speakers will also produce sound when external speakers are connected. While holding down [METRONOME/RHYTHM] and [PIANIST STYLE] simultaneously, press the D4 key to turn on, or press the D#4 key to turn off.

**Default setting:** on

- \* Refer to the "SPEAKER ON/OFF" indications printed above these keys.

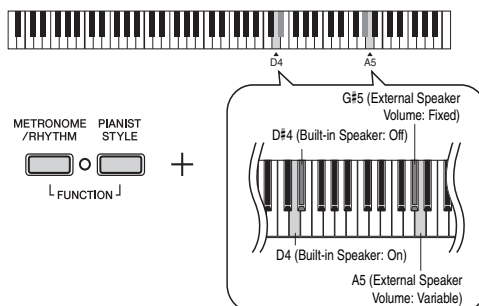
## Adjusting the Volume of the External Speakers

This parameter is used to specify how the volume of audio output via the [AUX OUT] jack is controlled. When set to "Variable," you can adjust the volume using [MASTER VOLUME]; when set to "Fixed," the volume will be fixed at the same level, regardless of the slider position. While holding down [METRONOME/RHYTHM] and [PIANIST STYLE] simultaneously, press the G#5 key to set to "Fixed," or press the A5 key to set to "Variable."

**Default setting:** Variable

## NOTE

- When this parameter is set to "Fixed," the headphones volume will also be fixed.



## Connecting an iPad or iPhone

With an iPad or iPhone connected to your digital piano, you can use a wide range of apps to expand the functionality of your instrument in exciting new ways. For details on how to connect the devices, refer to page 8 of the iPhone/iPad Connection Manual, which you can download for free from the Yamaha web site.

## Smart device application — Digital Piano Controller

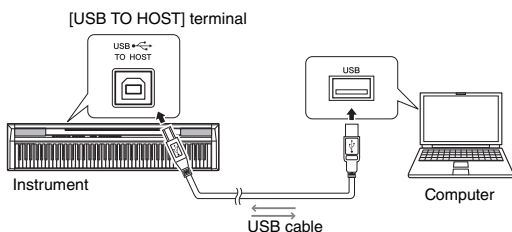
With the specially developed Digital Piano Controller app running on your iPhone/iPad/iPod touch, you can remotely control your digital piano for even more convenience and flexibility. By presenting various parameters on-screen, this app allows you to make settings in a visual, more intuitive manner. For more details on Digital Piano Controller and other supported applications, refer to the following Yamaha web site.

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

## Connecting to a computer

By connecting a computer to the [USB TO HOST] terminal, you can transfer data between the instrument and the computer via MIDI.

For details on using a computer with this instrument, refer to page 8 of the “Computer-related Operations” on the website.



**NOTE**

- Use an AB type USB cable. When connecting a USB cable, make sure that the length is less than 3 meters.

### Types of file that can be exchanged with a computer

Songs:

- User Song (UserSong1.mid)
- Files with a .mid extension (SMF format 0 or 1)

**NOTICE**

- **Before you transfer an SMF file from a computer, make sure to transfer the User Song to a computer for safe keeping, since already-recorded data will be replaced with the new transfer.**

**NOTE**

- Certain MIDI files in SMF format 0 or 1 may contain data that is not supported by your digital piano. In such a case, the files may not play as originally intended.

# Data Backup and Initializing

The following data will automatically be maintained as backup data even if you turn off the power.

### Backup data

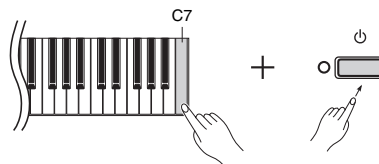
Metronome/Rhythm Volume, Metronome/Rhythm selection (Beat or Rhythm number), Touch Sensitivity, Tuning, Split Point, Pianist Style Volume, Auto Power OFF, Damper Resonance on/off, IAC on/off, IAC Depth, User Song, Intro/Ending on/off, Operation Confirmation Sounds on/off, AUX OUT volume settings

### To save the User Song data to a computer:

Among the backup data listed above, only the User Song (UserSong1.mid) can be transferred to a computer and saved as a SMF file. For details, refer to page 8 of the “Computer-related Operations” on the website.

### To initialize the backup data:

While holding down the C7 key (right-most key), turn the power on to initialize the backup data to the factory initial settings.



Both the [REC] and [PLAY] lamps flash, indicating that the initialization is being executed. After the operation is completed, both lamps turn off.

**NOTICE**

- **Never turn off the power while the initialization is being executed.**

**NOTE**

- If this instrument somehow malfunctions or fails to operate properly, try initializing the data as described above.



# Troubleshooting

Problem	Possible Cause and Solution
The instrument does not turn on.	The instrument has not been plugged in properly. Securely insert the female plug into the jack on the instrument, and the male plug into a proper AC outlet (page 10).
The instrument is automatically turned off even if no operation is done.	This is normal. This occurs due to the Auto Power Off function (page 10).
Noise is heard from the speakers or headphones.	The noise may be due to interference caused by the use of a mobile phone in close proximity to the instrument. Turn off the mobile phone, or use it further away from the instrument.
Noise can be heard coming from the digital piano's built-in speakers and/or headphones when using it with an iPhone/iPad/iPod touch app.	In order to eliminate the risk of noise from other communication when using the instrument with an iPad, iPhone, or iPod touch, we recommend turning on the device's Airplane Mode.
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] (page 11).
	The digital piano's speakers are turned off. Turn them back on (page 23).
	Make sure a pair of headphones or conversion adaptor is not connected to the headphones jack (page 11).
Moving the [MASTER VOLUME] slider does not change the volume of the headphones.	Make sure that Local Control is ON. For details, refer to "MIDI Reference" (page 8) on the website.
	Have you set the external speaker volume to "Fixed"? Change the external speaker volume to "Variable." (page 23)
The pedal has no effect.	The pedal cable/plug may not be properly connected. Make sure to securely insert the pedal plug into the [SUSTAIN] or [PEDAL UNIT] jack (page 12).
The footswitch (for sustain) seems to produce the opposite effect. For example, pressing the footswitch cuts off the sound and releasing it sustains the sounds.	The polarity of the footswitch is reversed because the footswitch was pressed when the power was turned on. Turn off the power and turn it on again to reset the function. Make sure to not press the footswitch when turning the power on.

# Specifications

## Dimensions (W x D X H)

- 1,326 x 295 x 163 mm (52-3/16" x 11-5/8" x 6-7/16")

## Weight

- 11.8 kg (26 lbs. 3 oz.)

## Keyboards

- 88 keys (A-1 – C7)
- GHS (Graded Hammer Standard) keyboard with matte black keytops
- Touch Sensitivity (Hard/Medium/Soft/Fixed)

## Tone Generation / Voice

- Pure CF Sound Engine
- 14 Preset Voices
- Polyphony: 192

## Effects/Functions

- 4 Reverb types
- Damper Resonance
- Sound Boost
- Dual
- Split
- Duo
- Intelligent Acoustic Control (IAC)

## Pianist Style

- 10 Styles

## Song Playback

- 14 Voice Demo Songs + 50 Piano Preset Songs

## Song Recording

- 1 User Song with 2 tracks
- Data Capacity: One song 100 KB (about 11,000 notes)
- Compatible Data Format
  - Playback: SMF (format 0, format 1)
  - Recording: SMF (format 0)

## Overall Controls

- Transpose: -6 – 0 – +6
- Fine Tuning: 414.8 – 440.0 – 466.8 Hz
- Metronome
- 14 Rhythms
- Tempo: 5 – 280

## Connectivity

- DC IN (12V), PHONES (2), SUSTAIN, PEDAL UNIT, USB TO HOST, AUX OUT

## Amplifiers

- 7 W + 7 W

## Speakers

- 12 cm x 2 + 4 cm x 2

## Power Supply

- AC Adaptor PA-150 or an equivalent recommended by Yamaha
- Power Consumption: 6 W (When using PA-150 AC adaptor)
- Auto Power Off Function

## Included Accessories

- Owner's Manual, Music Rest, AC Adaptor PA-150 or an equivalent recommended by Yamaha\*, Online Member Product Registration\*\*, Footswitch

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

\*\* The PRODUCT ID on the sheet will be needed when you fill out the User Registration form.

## Separately Sold Accessories

- Keyboard Stand L-85/L-85WH, Pedal Unit (LP-5A/LP-5AWH), Foot Pedal FC3A, Footswitch FC4A/FC5, Headphones (HPE-30/HPE-150), AC Adaptor (Users within U.S or Europe: PA-150 or an equivalent recommended by Yamaha, Others: PA-5D, PA-150 or an equivalent), USB MIDI Interface for iPhone/iPod touch/iPad (i-UX1)

\* The contents of this manual apply to the latest specifications as of the printing date. Since Yamaha makes continuous improvements to the product, this manual may not apply to the specifications of your particular product. 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.

# List

## 50 Piano Songs (Preset Songs)

No.	Key	Title	Composer
1	C2	Invention No. 1	J.S. Bach
2	C#2	Invention No. 8	J.S. Bach
3	D2	Gavotte	J.S. Bach
4	D#2	Prelude (Wohltemperierte Klavier I No.1)	J.S. Bach
5	E2	Menuett G dur BWV.Anh.114	J.S. Bach
6	F2	Le Coucou	L-C. Daquin
7	F#2	Piano Sonate No.15 K.545 1st mov.	W.A. Mozart
8	G2	Turkish March	W.A. Mozart
9	G#2	Menuett G dur	W.A. Mozart
10	A2	Little Serenade	J. Haydn
11	A#2	Perpetuum mobile	C.M.v. Weber
12	B2	Ecossaise	L.v. Beethoven
13	C3	Für Elise	L.v. Beethoven
14	C#3	Marcia alla Turca	L.v. Beethoven
15	D3	Piano Sonate op.13 "Pathétique" 2nd mov.	L.v. Beethoven
16	D#3	Piano Sonate op.27-2 "Mondschein" 1st mov.	L.v. Beethoven
17	E3	Piano Sonate op.49-2 1st mov.	L.v. Beethoven
18	F3	Impromptu op.90-2	F.P. Schubert
19	F#3	Moments Musicaux op.94-3	F.P. Schubert
20	G3	Frühlingslied op.62-6	J.L.F. Mendelssohn
21	G#3	Jägerlied op.19b-3	J.L.F. Mendelssohn
22	A3	Fantaisie-Impromptu	F.F. Chopin
23	A#3	Prelude op.28-15 "Rain-drop"	F.F. Chopin
24	B3	Etude op.10-5 "Black keys"	F.F. Chopin
25	C4	Etude op.10-3 "Chanson de l'adieu"	F.F. Chopin
26	C#4	Etude op.10-12 "Revolutionary"	F.F. Chopin
27	D4	Valse op.64-1 "Petit chien"	F.F. Chopin
28	D#4	Valse op.64-2	F.F. Chopin
29	E4	Valse op.69-1 "L'adieu"	F.F. Chopin
30	F4	Nocturne op.9-2	F.F. Chopin
31	F#4	Träumerei	R. Schumann
32	G4	Fröhlicher Landmann	R. Schumann
33	G#4	La prière d'une Vierge	T. Badarzewska
34	A4	Dolly's Dreaming and Awakening	T. Oesten
35	A#4	Arabesque	J.F. Burgmüller
36	B4	Pastorale	J.F. Burgmüller
37	C5	La chevaleresque	J.F. Burgmüller
38	C#5	Liebesträume Nr.3	F. Liszt
39	D5	Blumenlied	G. Lange
40	D#5	Barcarolle	P.I. Tchaikovsky
41	E5	Melody in F	A. Rubinstein
42	F5	Humoresque	A. Dvořák
43	F#5	Tango (España)	I. Albéniz
44	G5	The Entertainer	S. Joplin
45	G#5	Maple Leaf Rag	S. Joplin
46	A5	La Fille aux Cheveux de Lin	C.A. Debussy
47	A#2	Arabesque 1	C.A. Debussy
48	B5	Clair de lune	C.A. Debussy
49	C6	Rêverie	C.A. Debussy
50	C#6	Cakewalk	C.A. Debussy

## Rhythms

No.	Key	Rhythm Name
1	E1	8Beat 1
2	F1	8Beat 2
3	F#1	16Beat 1
4	G1	16Beat 2
5	G#1	16Beat Shuffle
6	A1	Shuffle
7	A#1	6/8 SlowRock
8	B1	Disco
9	C2	Swing
10	C#2	Jazz Waltz
11	D2	Bossa Nova
12	D#2	Samba
13	E2	Latin Pop
14	F2	6/8 March

## Pianist Styles

No.	Key	Pianist Style Name
1	E1	Arpeggio
2	F1	8Beat Ballade
3	F#1	Rag
4	G1	Boogie
5	G#1	Swing
6	A1	Blues
7	A#1	Slow Rock
8	B1	Jazz Ballad
9	C2	Waltz
10	C#2	Jazz Waltz

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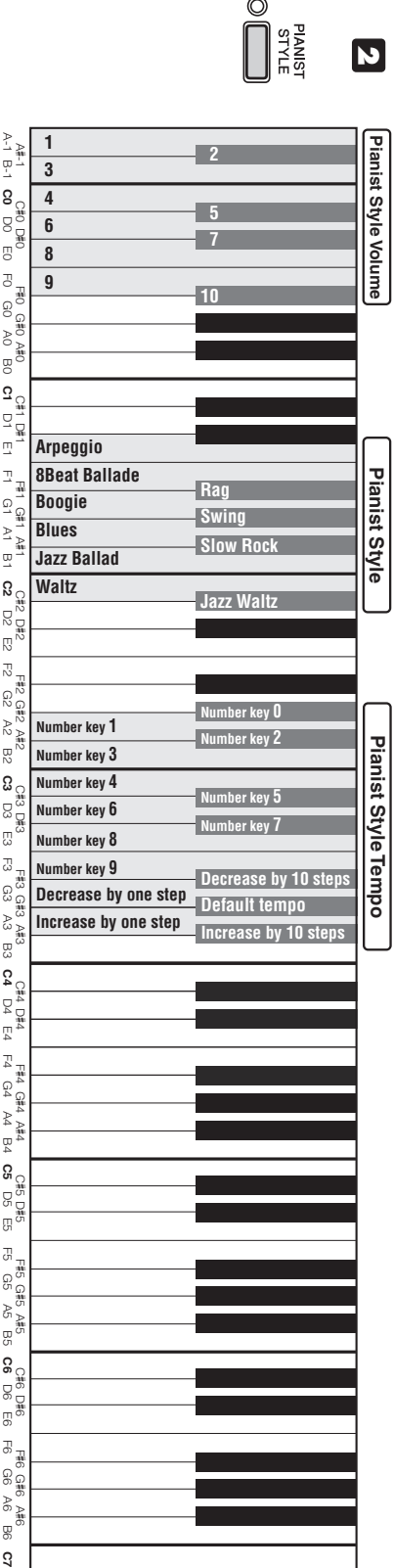
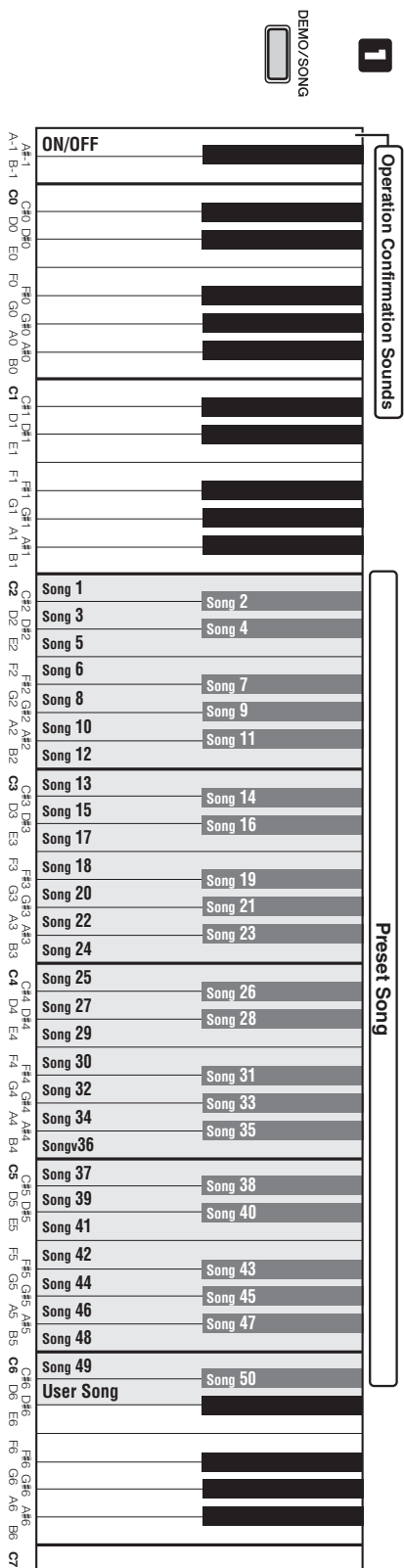
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# Quick Operation Guide

While holding down the [DEMO/SONG] or [PIANIST STYLE] button, press the highlighted keys shown below to select preset songs, etc. or set parameters. (Refer to diagram 1/2 below.)



# Quick Operation Guide

While holding down the [METRONOME/RHYTHM] button, press the highlighted keys shown below to select rhythms, or set parameters. (Refer to diagram **3** below.)

While holding down the [METRONOME/RHYTHM] and [PIANIST STYLE] buttons, press the highlighted keys shown below to set parameters. (Refer to diagram **4** below.)

**3**

METRONOME / RHYTHM	[Key]
--------------------	-------

<b>Metronome/Rhythm Volume</b>	1, 2, 3, 4, 6, 8, 9	5, 7
<b>Metronome Beat</b>	0, 3, 4, 6	2, 5
<b>Rhythm</b>	8Beat 1, 8Beat 2, 16Beat 1, 16Beat 2, Shuffle, Disco, Swing, Bossa Nova, Latin Pop, 6/8 March	16Beat 1, 16Beat Shuffle, 6/8 SlowRock, Jazz Waltz, Samba
<b>Metronome/Rhythm Tempo</b>	Number key 1, Number key 3, Number key 4, Number key 6, Number key 8, Number key 9	Number key 0, Number key 2, Number key 5, Number key 7, Decrease by 10 steps, Default tempo, Increase by 10 steps
<b>Octave Setting</b>	-1 (Voice 1), +1 (Voice 1), -1 (Voice 2), +1 (Voice 2)	Default value (Voice 1), Default value (Voice 2)
<b>Balance between Voice 1 and Voice 2</b>	-1	+1
<b>Intro/Ending</b>	Intro ON, Ending ON	Intro OFF, Ending OFF
<b>Reverb Depth</b>	-1, +1	Default depth, Recital Hall
<b>Reverb Type</b>	Concert Hall, Club	Chamber

**4**

METRONOME / RHYTHM	[Key]	+	PIANIST STYLE	[Key]
--------------------	-------	---	---------------	-------

<b>Auto Power Off</b>	Disable, 440.0 Hz, 442.0 Hz, +0.2 Hz	Enable, -0.2 Hz
<b>MIDI Transmit Channel</b>	Ch 1, Ch 2, Ch 4, Ch 6, Ch 8, Ch 9, Ch 11, Ch 13, Ch 14, Ch 16	Ch 3, Ch 5, Ch 7, Ch 10, Ch 12, Ch 15, OFF, Ch 1
<b>MIDI Receive Channel</b>	Ch 2, Ch 3, Ch 5, Ch 7, Ch 8, Ch 10, Ch 12, Ch 14, Ch 15, Ch 1+2, -1, 0, ON, ON	Ch 4, Ch 6, Ch 9, Ch 11, Ch 13, Ch 16, ALL, +1, OFF, OFF
<b>Damper Resonance</b>	ON, ON	OFF, OFF
<b>IAC</b>	ON, ON	OFF, OFF
<b>Sound Boost</b>	-5, -3, -1	-6, -4, -2
<b>Built-in Speaker</b>	0, +2, +4, +5	+1, +3, +6, Fixed
<b>Aux Out Volume</b>	Variable	Fixed
<b>Program Change</b>	ON/OFF, ON/OFF	ON/OFF
<b>Local Control</b>	ON/OFF	ON/OFF
<b>Control Changes</b>	ON/OFF, Fixed, Medium, Hard	Soft

# Important Notice: Guarantee Information for customers in European Economic Area (EEA) and Switzerland

<b>Important Notice: Guarantee Information for customers in EEA* and Switzerland</b> For detailed guarantee information about this Yamaha product, and Pan-EEA* and Switzerland warranty service, please either visit the website address below (Printable file is available at our website) or contact the Yamaha representative office for your country. * EEA: European Economic Area	<b>English</b>
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<b>Remarque importante: informations de garantie pour les clients de l'EEE et la Suisse</b> Pour des informations plus détaillées sur la garantie de ce produit Yamaha et sur le service de garantie applicable dans l'ensemble de l'EEE ainsi qu'en Suisse, consultez notre site Web à l'adresse ci-dessous (le fichier imprimable est disponible sur notre site Web) ou contactez directement Yamaha dans votre pays de résidence. * EEE: Espace Economique Européen	<b>Français</b>
<b>Belangrijke mededeling: Garantie-informatie voor klanten in de EER* en Zwitserland</b> Voor gedetailleerde garantie-informatie over dit Yamaha-product en de garantieservice in heel de EER* en Zwitserland, gaat u naar de onderstaande website (u vind een afdrukbare bestand op onze website) of neemt u contact op met de vertegenwoordiging van Yamaha in uw land. * EER: Europese Economische Ruimte	<b>Nederlands</b>
<b>Aviso importante: información sobre la garantía para los clientes del EEE* y Suiza</b> Para una información detallada sobre este producto Yamaha y sobre el soporte de garantía en la zona EEE* y Suiza, visite la dirección web que se incluye más abajo (la versión del archivo para imprimir está disponible en nuestro sitio web) o póngase en contacto con el representante de Yamaha en su país. * EEE: Espacio Económico Europeo	<b>Español</b>
<b>Aviso importante: informazioni sulla garanzia per i clienti residenti nell'EEA* e in Svizzera</b> Per informazioni dettagliate sulla garanzia relativa a questo prodotto Yamaha e l'assistenza in garanzia nella zona EEA* e in Svizzera, potete consultare il sito Web all'indirizzo riportato di seguito (è disponibile il file in formato stampabile) oppure contattare l'ufficio di rappresentanza locale della Yamaha. * EEA: Area Economica Europea	<b>Italiano</b>
<b>Aviso importante: informações sobre as garantias para clientes da AEE* e da Suíça</b> Para obter uma informação pormenorizada sobre este produto da Yamaha e sobre o serviço de garantia na AEE* e na Suíça, visite o site a seguir (o arquivo para impressão está disponível no nosso site) ou entre em contato com o escritório de representação da Yamaha no seu país. * AEE: Área Económica Europeia	<b>Portugués</b>
<b>Σημαντική σημείωση: Πληροφορίες εγγύησης για τους πελάτες στον ΕΟΧ* και Ελλάδα</b> Για λεπτομερείς πληροφορίες εγγύησης σχετικά με το παρόν προϊόν της Yamaha και την κάλυψη εγγύησης σε όλη τη χώρα του ΕΟΧ* και την Ελλάδα, επισκεψείτε την παρακάτω ιστοσελίδα (Εκτυπώσιμη μορφή είναι διαθέσιμη στην ιστοσελίδα μας) ή απευθυνθείτε στην αντιπροσωπεία της Yamaha στη χώρα σας. * ΕΟΧ: Ευρωπαϊκός Οικονομικός Χώρος	<b>Ελληνικά</b>
<b>Viktig informasjon for kunder i EES-området* och Sveits</b> För detaljerad information om denna Yamaha-produktet samt garantisevne i hela EES-området* och Sveits kan fås enten ved å besøke nettstedene nedenfor (en utskriftsavtlig fil finns på webbplatsen) eller kontakta Yamahas officiella representant i ditt land. *EES: Europeiska Ekonomiska Samarbetsområdet	<b>Svenska</b>
<b>Viktig merknad: Garantiiinformasjon for kunder i EØS* og Sveits</b> Detaljert informasjon om dette Yamaha-produktet og garantisevne for hele EØS-området* og Sveits kan fås enten ved å besøke nettstedene nedenfor (utskriftsversjon finnes på våre nettsider) eller kontakte Yamahas-kontoret i landet der du bor. *EØS: Det europeiske økonomiske samarbeidsområdet	<b>Norsk</b>
<b>Viktig oplysning: Garantiiinformasjon for kunder i EØO* og Sveits</b> De kan finne detaljerte garantiiinformasjon om dette Yamaha-produkt og den fælles garantisevneordning for EØO* (og Sveits) 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	<b>Dansk</b>

<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	<b>Suomi</b>
<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	<b>Polski</b>
<b>Důležité oznámení: Zaráuční 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	<b>Česky</b>
<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 keressék fel webhelyünket az alábbi címen (a webhelyen nyomtatható fájlt is találják), vagy pedig lépjen kapcsolatba az országában működő Yamaha képviselői roddalval. * EGT: Európai Gazdasági Térség	<b>Magyar</b>
<b>Oluline märkus: Garantiiave Euroopa Majanduspiirkonna (EMP)* ja Šveitsi klientidele</b> Täpsema teabe saamiseks selle Yamaha toote garantii ning kogu Euroopa Majanduspiirkonna ja Šveitsi garantii teeninduse kohta, külastage palun veebisaiti alljärgneval aadressil (meie saidil on saadaval printitav fail) või pöörduge Teie regiooni Yamaha esinduse poole. * EMP: Euroopa Majanduspiirkond	<b>Eesti keel</b>
<b>Svárgis paziropjums: garantijas informācija klientiem EEZ* un Šveicē</b> Lai saņemtu detalizētu garantijas informāciju par šo Yamaha produktu, kā arī garantijas apkalpošanu EEZ* un Šveicē, lūdzam apmeklētiet zemāk norādīto tīmekļa vietnes adresi (tīmekļa vietnē ir pieejams drukājams fails) vai sazinieties ar Jūsu valstī apkalpojošo Yamaha pārstāvniecību. * EEZ: Eiropas Ekonomikas zona	<b>Latviešu</b>
<b>Dēmosio: informācija dēl garantijas pirkējams EEE* ir Šveicarijōje</b> Jei reikia išsamios informacijos apie šį „Yamaha“ produktą ir jo techninę priežiūrą visoje EEE* ir Šveicarijōje, apsilankykite mūsų svetainėje toliau nurodytu adresu (svetainėje yra spausdinamas failas) arba kreipkitės į „Yamaha“ atstovybę savo šalyje. *EEE – Europos ekonominė erdvė	<b>Lietuvių kalba</b>
<b>Dôležitě upozornění: Informácie o záruke pre zákazníkov v EHP* a Švajčiarsku</b> Podrobné informácie o záruke týkajúce sa tohto produktu od spoločnosti Yamaha a garancionom 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	<b>Slovenčina</b>
<b>Pomembno obvestilo: Informacije o garanciji za kupce v EGP* in Švici</b> Za podrobne informacije o tem Yamaha in garancionom 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 predstavnik v svoji državi. * EGP: Evropski gospodarski prostor	<b>Slovensčina</b>
<b>Важно съобщение: Информация за гаранцията за клиентите 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	<b>Български език</b>
<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	<b>Limba română</b>

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Manual Development Department  
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Published 02/2015 PO##\*.\*- \*\*B0  
Printed in China

ZN90930



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