HP508

Roland Digital Piano

Owner's Manual

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS

WARNING - When using electric products, basic precautions should always be followed, including the following:

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 a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers 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.

For the U.K.

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.
Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

Before using this unit, carefully read the sections entitled: "IMPORTANT SAFETY INSTRUCTIONS", "USING THE UNIT SAFELY" (p. 3), and "IMPORTANT NOTES" (p. 5). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's Manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

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USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠ WARNING and ⚠ CAUTION Notices

⚠ WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠ CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

⚠	The △ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The ⃠ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

⚠ WARNING

To completely turn off power to the unit, pull out the plug from the outlet

Even with the power switch turned off, this unit is not completely separated from its main source of power. When the power needs to be completely turned off, turn off the power switch on the unit, then pull out the plug from the outlet. For this reason, the outlet into which you choose to connect the power cord's plug should be one that is within easy reach and readily accessible.

Concerning the Auto Off function

The power to this unit will be turned off automatically after a predetermined amount of time has passed since it was last used for playing music, or its buttons or controls were operated (Auto Off function). If you do not want the power to be turned off automatically, disengage the Auto Off function (p. 44).

Do not disassemble or modify by yourself

Do not carry out anything unless you are instructed to do so in the owner's manual. Otherwise, you risk causing malfunction.

Do not repair or replace parts by yourself

Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information."

⚠ WARNING

Do not use or store in the following types of locations

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness.

Do not place in an unstable location

Otherwise, you risk injury as the result of the unit toppling over or dropping down.

Connect the power cord to an outlet of the correct voltage

The unit should be connected to a power supply only of the type described as marked on the rear side of unit.

Use only the supplied power cord

Use only the attached power cord. Also, the supplied power cord must not be used with any other device.

Do not bend the power cord or place heavy objects on it

Otherwise, fire or electric shock may result.

⚠ WARNING

Avoid extended use at high volume

Use of the unit at high volume for extended periods of time may cause hearing loss. If you ever experience any hearing loss or ringing in the ears, you should immediately stop using the unit and consult a specialized physician.

Do not allow foreign objects or liquids to enter unit; never place containers with liquid on unit

Do not place containers containing liquid (e.g., flower vases) on this product. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions.

Turn off the unit if an abnormality or malfunction occurs

Immediately turn the unit off, remove the power cord from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" when:

- The power cord has been damaged; or
- If smoke or unusual odor occurs; or
- Objects have fallen into, or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.

Be cautious to protect children from injury

Always make sure that an adult is on hand to provide supervision and guidance when using the unit in places where children are present, or when a child will be using the unit.

⚠ WARNING

Do not drop or subject to strong impact

Otherwise, you risk causing damage or malfunction.

Do not share an outlet with an unreasonable number of other devices

Otherwise, you risk overheating or fire.

Do not use overseas

Before using the unit in overseas, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information."

⚠ CAUTION

Place in a well ventilated location

The unit should be located so that its location or position does not interfere with its proper ventilation.

When disconnecting the power cord, grasp it by the plug

To prevent conductor damage, always grasp the power cord by its plug when disconnecting it from this unit or from a power outlet.

Periodically clean the power plug

An accumulation of dust or foreign objects between the power plug and the power outlet can lead to fire or electric shock.
At regular intervals, be sure to pull out the power plug, and using a dry cloth, wipe away any dust or foreign objects that may have accumulated.

Disconnect the power plug whenever the unit will not be used for an extended period of time

Fire may result in the unlikely event that a breakdown occurs.

Route all power cords and cables in such a way as to prevent them from getting entangled

Injury could result if someone were to trip on a cable and cause the unit to fall or topple.

Avoid climbing on top of the unit, or placing heavy objects on it

Otherwise, you risk injury as the result of the unit toppling over or dropping down.

Never connect/disconnect a power plug if your hands are wet

Otherwise, you could receive an electric shock.

Cautions when moving this unit

If you need to move the instrument, take note of the precautions listed below. At least two persons are required to safely lift and move the unit. It should be handled carefully, all the while keeping it level. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.

- Check to make sure the screws securing the unit to the stand have not become loose. Fasten them again securely whenever you notice any loosening.
- Disconnect the power cord.
- Disconnect all cords coming from external devices.
- Raise the adjusters on the stand (p. 63).
- Close the lid.
- Fold down the music stand.

⚠ CAUTION

Before cleaning the unit, disconnect the power plug from the outlet

If the power plug is not removed from the outlet, you risk receiving an electric shock.

Whenever there is a threat of lightning, disconnect the power plug from the outlet

If the power plug is not removed from the outlet, you risk receiving an electric shock.

Take care so as not to get fingers pinched

When handling the following moving parts, take care so as not to get fingers, toes, etc., pinched. Whenever a child uses the unit, an adult should be on hand to provide supervision and guidance.

- Lid (p. 16)
- Music Rest (p. 16)

Keep small items out of the reach of children

To prevent accidental ingestion of the parts listed below, always keep them out of the reach of small children.

- Included Parts
  Screws for stand assembly (p. 62)

IMPORTANT NOTES

Power Supply

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter or a motor (such as a refrigerator, washing machine, microwave oven, or air conditioner). Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This unit may interfere with radio and television reception. Do not use this unit in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Do not allow rubber, vinyl, or similar materials to remain on this unit for long periods of time. Such objects can deform or discolor the unit.
- Do not allow objects to remain on top of the keyboard. This can be the cause of malfunction, such as keys ceasing to produce sound.
- Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.
- Do not place containers or anything else containing liquid on top of this unit. Also, whenever any liquid has been spilled on the surface of this unit, be sure to promptly wipe it away using a soft, dry cloth.

Maintenance

- To clean the unit, use a dry, soft cloth; or one that is slightly dampened. Try to wipe the entire surface using an equal amount of strength, moving the cloth along with the grain of the wood. Rubbing too hard in the same area can damage the finish.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.
- The pedals of this unit are made of brass. Brass eventually darkens as the result of the natural oxidization process. If the brass becomes tarnished, polish it using commercially available metal polisher.

Maintenance of polished-finish pianos (Only for HP508-PE)

- The surface of this unit has been polished so as to create a high-gloss, mirror-like finish. Since this beautiful finish is as delicate as that of the highest quality, wood-crafted furniture, it needs to be cared for at regular intervals. Please make sure to observe the following when caring for the unit.
  - For routine care, gently clean the surface using a soft cloth or a piano-use feather duster. You must avoid applying any force, since even the tiniest particles of sand or grit can produce scratches if you wipe too hard.
  - If the finish loses its luster, use a soft cloth dampened with some polishing liquid to evenly wipe the surface of the unit.
  - Avoid using detergents or other cleaners, as they can cause the surface finish to deteriorate. This may lead to the formation of cracks or other imperfections. Also, do not use chemically-enhanced cleaning cloths.
- Precautions concerning the use of polishing agents
- Refer to the instructions that came with the polishing agent for instructions on its proper use.
- Use only polishing agents that are designed specifically for use on the mirror finishes of pianos. By using any other product, you risk causing scratches, deformation, discoloration, etc. To purchase an appropriate product, please consult the nearest musical instrument store.
- Use the product only on the portions of this unit that have a mirror-like finish, and using an even touch, apply it equally over the entire surface. If you apply more force in one place over another, you risk losing some of the luster of the finish.
- Store in a location that is out of the reach of small children. If accidentally ingested, induce vomiting immediately. Then, see a doctor to obtain a diagnosis.

Repairs and Data

- Before sending the unit away for repairs, be sure to make a backup of the data stored within it; or you may prefer to write down the needed information. Although we will do our utmost to preserve the data stored in your unit when we carry out repairs, in some cases, such as when the memory section is physically damaged, restoration of the stored content may be impossible. Roland assumes no liability concerning the restoration of any stored content that has been lost.

Additional Precautions

- Any data stored within the unit can be lost as the result of equipment failure, incorrect operation, etc. To protect yourself against the irretrievable loss of data, try to make a habit of creating regular backups of the data you've stored in the unit.
- Roland assumes no liability concerning the restoration of any stored content that has been lost.
- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- Never strike or apply strong pressure to the display.
- When disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- A small amount of heat will radiate from the unit during normal operation.
- To avoid disturbing others nearby, try to keep the unit's volume at reasonable levels.
- The sound of keys being struck and vibrations produced by playing an instrument can be transmitted through a floor or wall to an unexpected extent. Please take care not to cause annoyance to others nearby.
- When you need to transport the unit, pack it in shock-absorbent material. Transporting the unit without doing so can cause it to become scratched or damaged, and could lead to malfunction.
- Do not apply undue force to the music stand while it is in use.

When opening/closing the lid or raising/folding down the music rest, please be careful not to get your fingers pinched between the movable part and the panel. In places where small children are present, make sure that an adult provides supervision and guidance.

Using External Memories

- Please observe the following precautions when handling external memory devices. Also, make sure to carefully observe all the precautions that were supplied with the external memory device.
  - Do not remove the device while reading/writing is in progress.
  - To prevent damage from static electricity, discharge all static electricity from your person before handling the device.

Regarding the wireless LAN function

- If you experience noise or dropouts while using the wireless LAN function, take the following measures. These may improve the situation.
  - Move wireless devices away from this unit.
  - Change the connection method (WPS/ ad-hoc mode)

- It is forbidden by law to make an audio recording, video recording, copy or revision of a third party's copyrighted work (musical work, video work, broadcast, live performance, or other work), whether in whole or in part, and distribute, sell, lease, perform, or broadcast it without the permission of the copyright owner.
- Do not use this product for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this product.
- The copyright of content in this product (the sound waveform data, style data, accompaniment patterns, phrase data, audio loops and image data) is reserved by Roland Corporation.
- Purchasers of this product are permitted to utilize said content (except song data such as Demo Songs) for the creating, performing, recording and distributing original musical works.
- Purchasers of this product are NOT permitted to extract said content in original or modified form, for the purpose of distributing recorded medium of said content or making them available on a computer network.

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About the Ivory Feel Keyboard

Features of an ivory feel keyboard

Traditional piano keys are made from the best materials-ivory (for white keys) and ebony (for black keys). The Ivory Feel keyboard uses the latest in technology to reproduce the touch and feel of these materials.

An Ivory Feel keyboard offers the following features.

- We're sure you'll develop a fondness for the distinctive texture of these keys, which feels better the more you play them.
- Surfaces incorporate stripes of moisture-absorbing material for improved touch and playability.
- The keys feature subtle gloss and understated coloring, enhancing the look and elegance.
- The white keys are finished with a slight yellowish tinge for the look of real ivory.

Handling

- Do not write on the keyboard with any pen or other implement, and do not stamp or place any marking on the instrument. Ink will seep into the surface lines and become unremovable.
- Do not affix stickers on the keyboard. You may be unable to remove stickers that use strong adhesives, and the adhesive may cause discoloration.

Care and maintenance

Please note the following points. Failure to do so may result in scratches on the surface finish, damaged gloss, or other discoloration or deformation.

- To remove dirt, use a soft cloth.
  Using a moistened and tightly wrung-out cloth, gently wipe off any dirt.
  Do not rub the surface vigorously.
- To remove stubborn dirt, use a commercially available keyboard cleaner that does not contain abrasives.
  Start by wiping lightly. If the dirt does not come off, wipe using gradually increasing amounts of pressure while taking care not to scratch the keys.
- Do not use benzene, paint thinner, or alcohol on the instrument.

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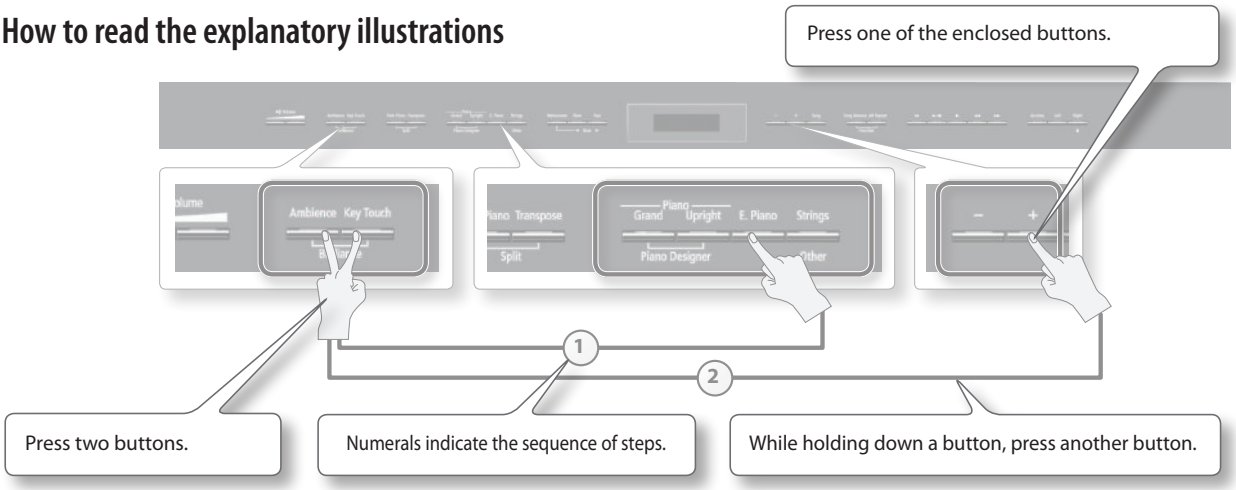


Look What You Can Do!

Play the Piano

♪ Play various sounds

page 18

The HP508 contains a wide variety of tones (sounds).
You can freely select and perform using these tones.

♪ Play two layered tones

page 19

You can layer two tones on a single key.

♪ Play different tones with your left and right hands

page 20

You can divide the keyboard into left and right zones, and select a different tone for each zone.

♪ Play duets

page 24

You can divide the keyboard into left and right halves, playing it as though it were two pianos.

Practice Songs

♪ Sound a metronome

page 26

You can sound a metronome.

♪ Practice along with the built-in songs

page 28

The HP508 contains numerous built-in songs.
For the song titles, refer to "Internal Song List" (p. 59).

♪ Practice each hand separately

page 30

You can practice along with a song while listening to only the right-hand or left-hand part play back.

Record Songs

♪ Record your performances

page 32

You can record your own playing.

♪ Use your computer to create a CD of a song you recorded

page 39

A song you've recorded can be copied to your computer, and written to a CD.

Environmentally Friendly Energy-Efficient Design

♪ The power will turn off after a specified time has elapsed

page 44

When thirty minutes have elapsed since you last played or operated the HP508, the power will turn off automatically.

* **If you don't want the power to turn off automatically, change the "Auto Off" setting (p. 44).**

Adjust Your Piano

Adjust the keyboard touch

page 23

You can adjust the touch sensitivity of the keyboard to match your own playing style.

Add reverberation to the sound

page 22

You can add reverberation (ambience) to create the sensation of performing in a concert hall.

Adjust the brightness of the sound

page 23

You can adjust the tone quality of the sound, ranging from a brilliant timbre to a mellow tone.

Personalize Your Piano (Piano Designer)

Adjust the openness of the grand piano's lid

page 42

Closing the lid will produce a softer tone, and opening it will produce a brighter tone.

Adjust the resonance of chords

page 43

You can modify the resonance of chords by changing the way in which the piano's soundboard vibrates.

Switch the temperament

page 43

You can switch between various temperaments, such as historic temperaments used during the Baroque era.

Convenient Functions

Transpose the pitch of the keyboard or song

page 25

The Transpose function lets you shift the pitch of the keyboard or a song so that you can perform more conveniently.

Disable the buttons

page 47

The Panel Lock function lets you prevent sounds or settings from being changed when buttons are pressed inadvertently.

Connect to a Wireless LAN

page 47

You can use a WNA1100-RL wireless USB adapter (sold separately) to connect to a wireless LAN and use wireless applications, such as the iPad app.

Adding Reverberation (Ambience)

You can add a pleasant reverberation to the sounds, producing the impression that you are performing in a concert hall.

page 22

To turn ambience on

Press the [Ambience] button so it's lit.

To adjust the ambience

While holding down the [Ambience] button, press the [–] [+] buttons.

Adjusting the Keyboard Touch (Key Touch)

You can adjust the way in which the keyboard responds to your playing.

page 23

To turn key touch on

Press the [Key Touch] button so it's lit.

To adjust the key touch

While holding down the [Key Touch] button, press the [–] [+] buttons.

Adjusting the Overall Volume

Adjust the volume by pressing the Volume buttons.

page 17

Adjusting the Brightness of the Sound (Brilliance)

You can adjust the brightness of the sound you play from the keyboard or the sounds of a song you play back.

page 23

To adjust the brilliance

Hold down the [Ambience] button and press the [Key Touch] button to see the value; then use the [–][+] buttons to adjust it.

Dividing the Keyboard for Two-person Performance (Twin Piano)

This function divides the keyboard into left and right, allowing two people to play the same range of pitches.

To turn twin piano on

page 24

Press the [Twin Piano] button so it's lit.

To change how the sounds are heard

While holding down the [Twin Piano] button, press the [–] [+] buttons.

Pair	The sound of the right-hand keyboard zone will be heard more loudly from the right speaker than from the left speaker. The sound of the left-hand keyboard zone will be heard more loudly from the left speaker than from the right speaker.
Indi-vidual	The sound of the right-hand keyboard zone will be heard only from the right speaker. The sound of the left-hand keyboard zone will be heard only from the left speaker.

Transposing Your Performance (Transpose)

Transposes the keyboard and/or song.

page 25

To turn transpose on

Press the [Transpose] button so it's lit.

To adjust the amount of transposition

While holding down the [Transpose] button, press the [–] [+] buttons.

Retaining the settings even after power-off (memory backup)

The HP508 allows you to adjust numerous settings, but these settings will return to their default values as soon as you turn off the power.

page 44

However, by using the Memory Backup feature, you can have the changes you've made in settings be retained.

1. While holding down the [Song Balance] button, press the [AB Repeat] button.

2. Use the [◀] [▶] (Slow/Fast) buttons to select "Memory Backup."

3. Press the [Song] button.

4. Use the [▶] (Fast) button to select "Yes."

Tone Buttons

To select a single tone

page 18

Press one of the tone buttons, and then use the [–] [+] buttons.

To layer two tones (dual play)

page 19

Press two tone buttons.

To change the tones

Tone 1	Press the [–] [+] buttons.
Tone 2	Hold down the right-most of the lit tone button, and then use the [–] [+] buttons.

Playing Different Tones with the Right and Left Hands (Split Play)

This function divides the keyboard into left and right zones, allowing you to play a different tone in each zone.

To turn split on

page 20

While holding down the [Transpose] button, press the [Twin Piano] button.

To change the tones

Right-hand Tone	1. Press a tone button. 2. Press the [–] [+] buttons.
Left-hand Tone	1. While holding down the [Transpose] button and [Twin Piano] button, press a tone button. 2. While holding down the [Transpose] button and [Twin Piano] button, use the [–] [+] buttons.

Changing the keyboard's split point

While holding down the [Transpose] button and [Twin Piano] button, play the key that you want to specify as the split point.

Using the Metronome

Here's how to sound the metronome.

page 26

To turn the metronome on

Press the [Metronome] button so it's lit.

To adjust the metronome's volume

While holding down the [Metronome] button, use the [–] [+] buttons.

Changing the Tempo or Time Signature

You can adjust the tempo of the metronome or song.

page 26

To change the tempo

Use the [◀] [▶] (Slow/Fast) buttons.

To change the time signature

While holding down the [Metronome] button, use the [◀] [▶] (Slow/Fast) buttons.

Customizing Your Piano Sound (Piano Designer)

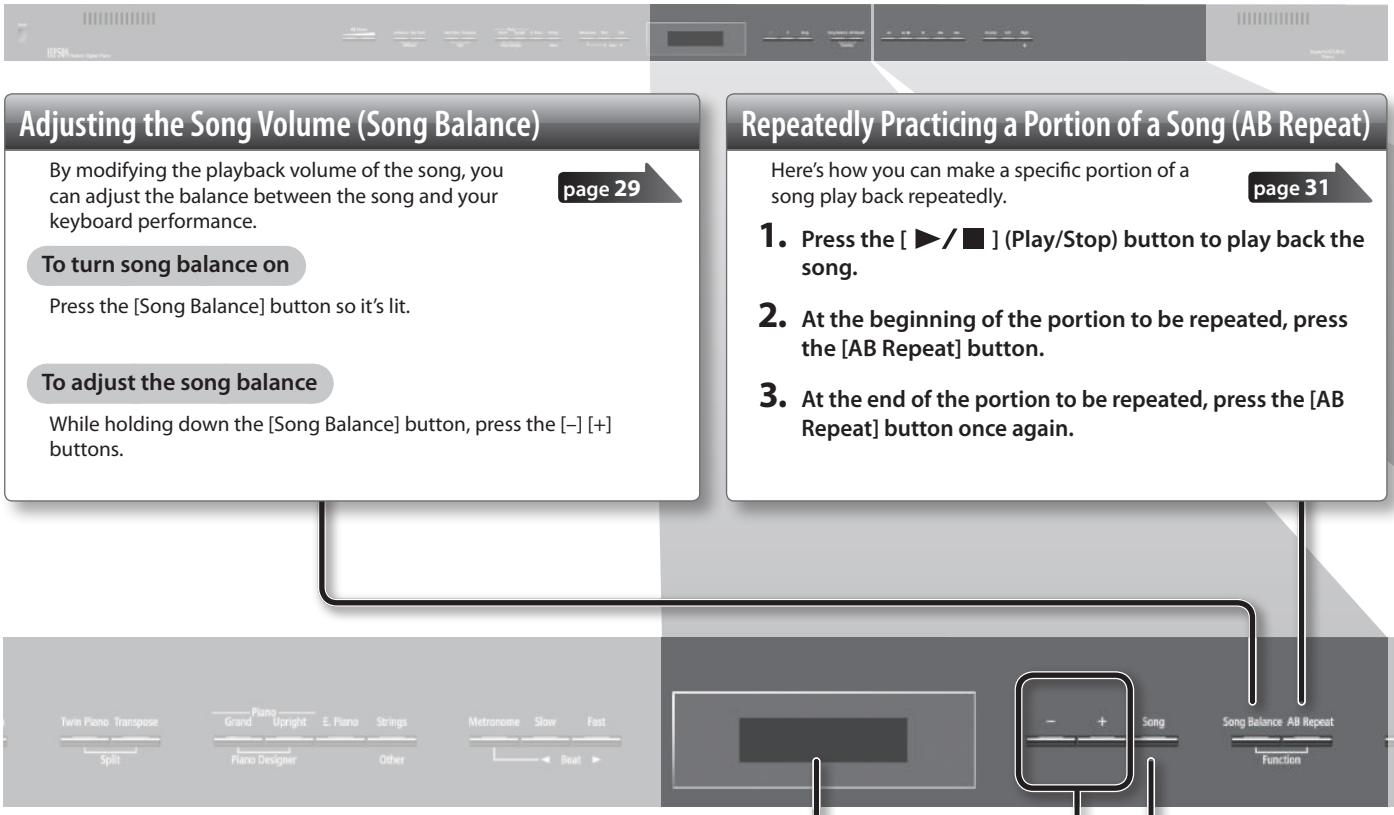
You can adjust various elements of a grand piano's sound to create your own personalized piano.

page 42

1. While holding down the Piano [Grand] button, press the Piano [Upright] button.

2. Use the [◀] [▶] (Slow/Fast) buttons to select the item that you want to adjust.

3. Use the [–] [+] buttons to adjust the value.



Adjusting the Song Volume (Song Balance)

By modifying the playback volume of the song, you can adjust the balance between the song and your keyboard performance.

page 29

To turn song balance on

Press the [Song Balance] button so it's lit.

To adjust the song balance

While holding down the [Song Balance] button, press the [–] [+] buttons.

Repeatedly Practicing a Portion of a Song (AB Repeat)

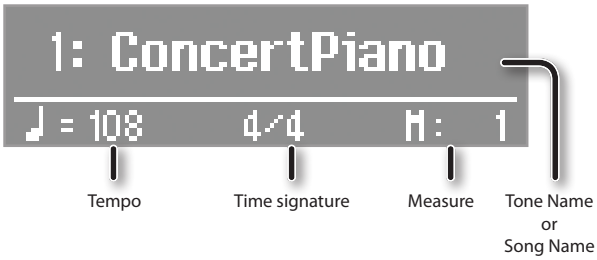
Here's how you can make a specific portion of a song play back repeatedly.

page 31

1. **Press the [▶/■] (Play/Stop) button to play back the song.**
2. **At the beginning of the portion to be repeated, press the [AB Repeat] button.**
3. **At the end of the portion to be repeated, press the [AB Repeat] button once again.**

Display

The display shows information such as the tone name, song name, tempo, and time signature.



Selecting Variation Tones/Adjusting the Settings

You can select tone variations or songs, and adjust various settings.

- Holding down the [–] [+] buttons will make the value change continuously.
- To rapidly increase the value, hold down the [+] button and press the [–] button.
- To rapidly decrease the value, hold down the [–] button and press the [+] button.
- To return the value to its default setting, press the [+] and [-] buttons simultaneously.

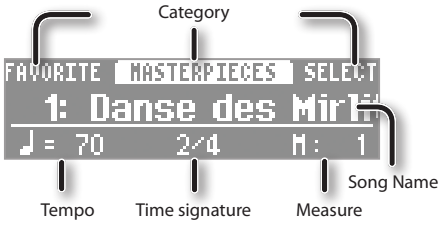
Selecting a Song

First, you need to access the song screen; this is where you can select songs.

To select a song

page 28

1. **Press the [Song] button to access the song screen.**

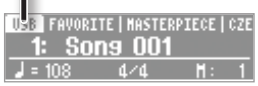


2. **Use the [–] [+] buttons to select a song.**

To select a song that's saved on the USB flash drive

1. **Press the [Song] button to access the song screen.**
2. **While holding down the [Song] button, use the [–] [+] buttons to select "USB."**

USB flash drive



3. **Use the [–] [+] buttons to select a song.**

Selecting the Parts that will Play

Here's how to select the parts that will play.

page 30

To select the right-hand part	Press the [Right] button so it's lit.
To select the left-hand part	Press the [Left] button so it's lit.
To select the other parts	Press the [Accomp] button so it's lit.

To adjust the mute volume of a part

Hold down the button of the part whose volume you want to adjust, and use the [–] [+] buttons.

Recording/Playback

Here's how to play back or record a song.

page 28 page 32

Return to the beginning of the song	Press the [⏮] (Reset) button.
Play/Stop	Press the [▶/■] (Play/Stop) button.
Enter recording-standby mode	While stopped, press the [●] (Rec) button.
Record	While in recording-standby mode, press the [▶/■] (Play/Stop) button.
Rewind	Press the [◀◀] (Bwd) button.
Fast-forward	Press the [▶▶] (Fwd) button.

To play all songs (all song play)

page 29

While holding down the [Song] button, press the [▶/■] (Play/Stop) button.

To make a new recording

page 32

1. **Select the tone that you want to play.**
2. **Press the [●] (Rec) button.**
3. **Press the [▶/■] (Play/Stop) button to start recording.**
4. **Press the [▶/■] (Play/Stop) button to stop recording.**

Disabling the Buttons (Panel Lock)

Hold down the [Right] button until the upper right of the display shows a " 🔒 " symbol.

page 47

To cancel panel lock

Hold down the [Right] button until the " 🔒 " symbol disappears.

To overdub

page 35

1. **Select the tone to be played.**
2. **Select the song to be dubbed.**
3. **Press the [●] (Rec) button.**
4. **Press the [+] button.**
5. **Press the button of the part that you want to record, making it blink.**
6. **Press the [▶/■] (Play/Stop) button to start recording.**
7. **Press the [▶/■] (Play/Stop) button to stop recording.**

Panel Descriptions

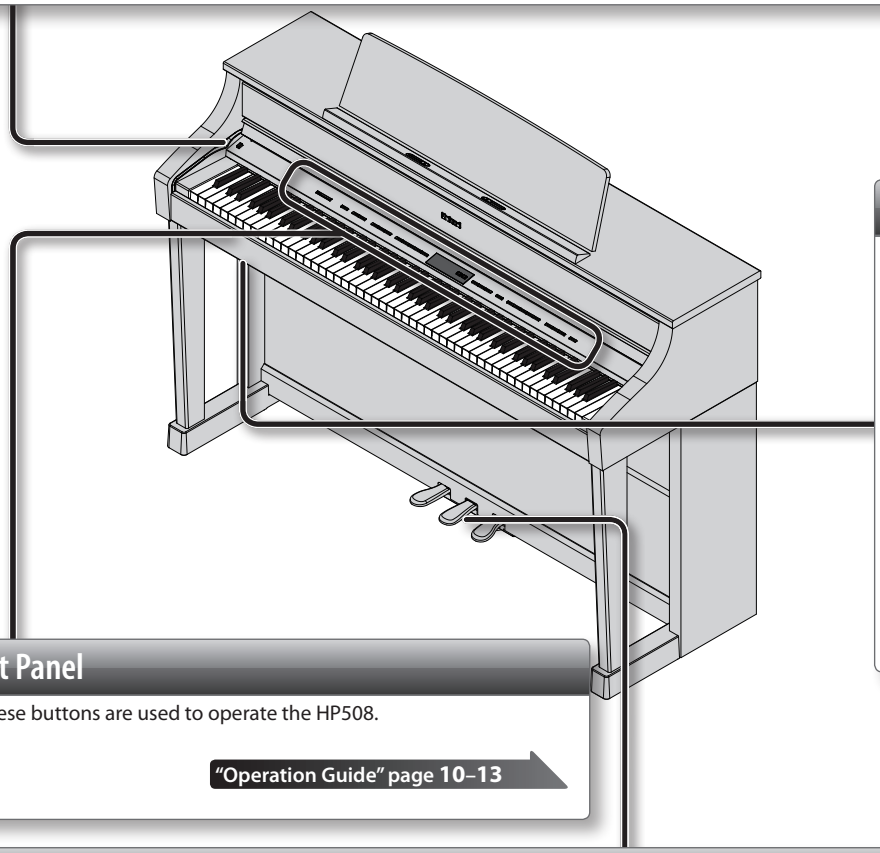
[Power] Switch

This turns the power on/off.

page 17

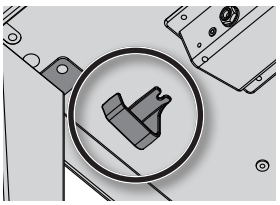
⚠ WARNING

* **The power to this unit will be turned off automatically after a predetermined amount of time has passed since it was last used for playing music, or its buttons or controls were operated (Auto Off function).**
  If you do not want the power to be turned off automatically, disengage the Auto Off function (p. 44).
* Any settings that you are in the process of editing will be lost when the power is turned off. If you have any settings that you want to keep, you should refer to "Retaining the Settings Even After Power-off (Memory Backup)" (p. 44) and save your settings.
* To restore power, turn the power on again
* When turning the power on again, you must allow at least five seconds after power-off before you once again turn the power on. If you fail to allow enough time, the Auto Off function might not be reset, preventing the power from turning on correctly.



Headphone Hook

Whenever you are not using the headphones, you can hang them on the headphone hook.



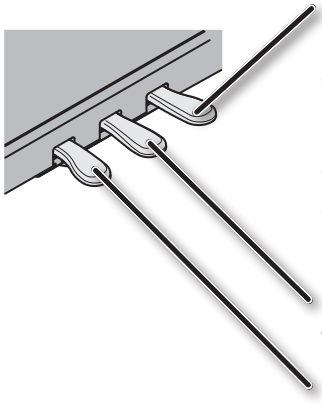
* Don't hang anything other than headphones on this hook, and don't apply excessive force to it. Doing so may damage the headphone hook.

Front Panel

These buttons are used to operate the HP508.

"Operation Guide" page 10–13

Pedals



Damper Pedal

Use this pedal to sustain the sound. While this pedal is held down, notes will be sustained for an extended time even if you release your fingers from the keyboard.

With the damper pedal on an acoustic piano, when you step on the pedal it will at first offer only a slight amount of resistance, but as you press down further it will start to feel much heavier. On the HP508, this change in the feeling of resistance is simulated.

On an acoustic piano, when you step on the damper pedal, you'll first hear the sound of the dampers releasing the strings. Then, you should also be able to hear the sound of strings adjacent to the ones for the notes actually played resonate sympathetically, resulting in a rich, resounding tone. Additionally, when using half-pedaling techniques, the core of the sound disappears rapidly while a rich, spacious resonance remains, producing a unique form of reverberation. On the HP508, the unique, lingering tones produced by the half-pedaling technique are reproduced in addition to released-string sounds (Damper Noise) and resonating sounds (Damper Resonance).

Sostenuto Pedal

The notes you are pressing when this pedal is depressed will be sustained.

Soft Pedal

This pedal is used to make the sound softer.

Playing with the soft pedal depressed produces a sound that is not as strong as when otherwise played with the equivalent strength. This is the same function as the left pedal of an acoustic piano.

The softness of the tone can be varied subtly by the depth to which you press the pedal.

USB Memory Port

If a USB flash drive is connected, you can use it to save or play back songs.

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You can do the following things using a USB flash drive.

- WAVE files or MIDI files (SMF) data copied from your computer can be played back by the HP508.
- You can make audio recordings of your performances on the HP508.
- The audio recordings of songs that you've made can be played on your computer, or burned to a CD.

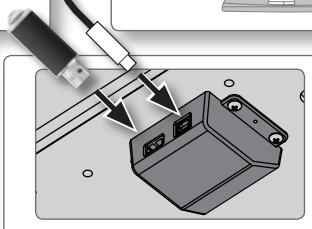
* Carefully insert the USB flash drives all the way in-until it is firmly in place.

* Use a USB flash drive sold by Roland. We cannot guarantee operation if any other USB flash drive is used.

USB Computer Port

If you use a commercially available USB cable to connect the HP508's USB computer port to your computer's USB port, you'll be able to do the following things.

- SMF data played back by MIDI-compatible software can be sounded by the HP508.
- MIDI data can be transferred between the HP508 and your sequencer software (sold separately), opening up a wide range of possibilities for music production and editing.



Pedal Connector

Connect the pedal cord of the dedicated stand to this connector.

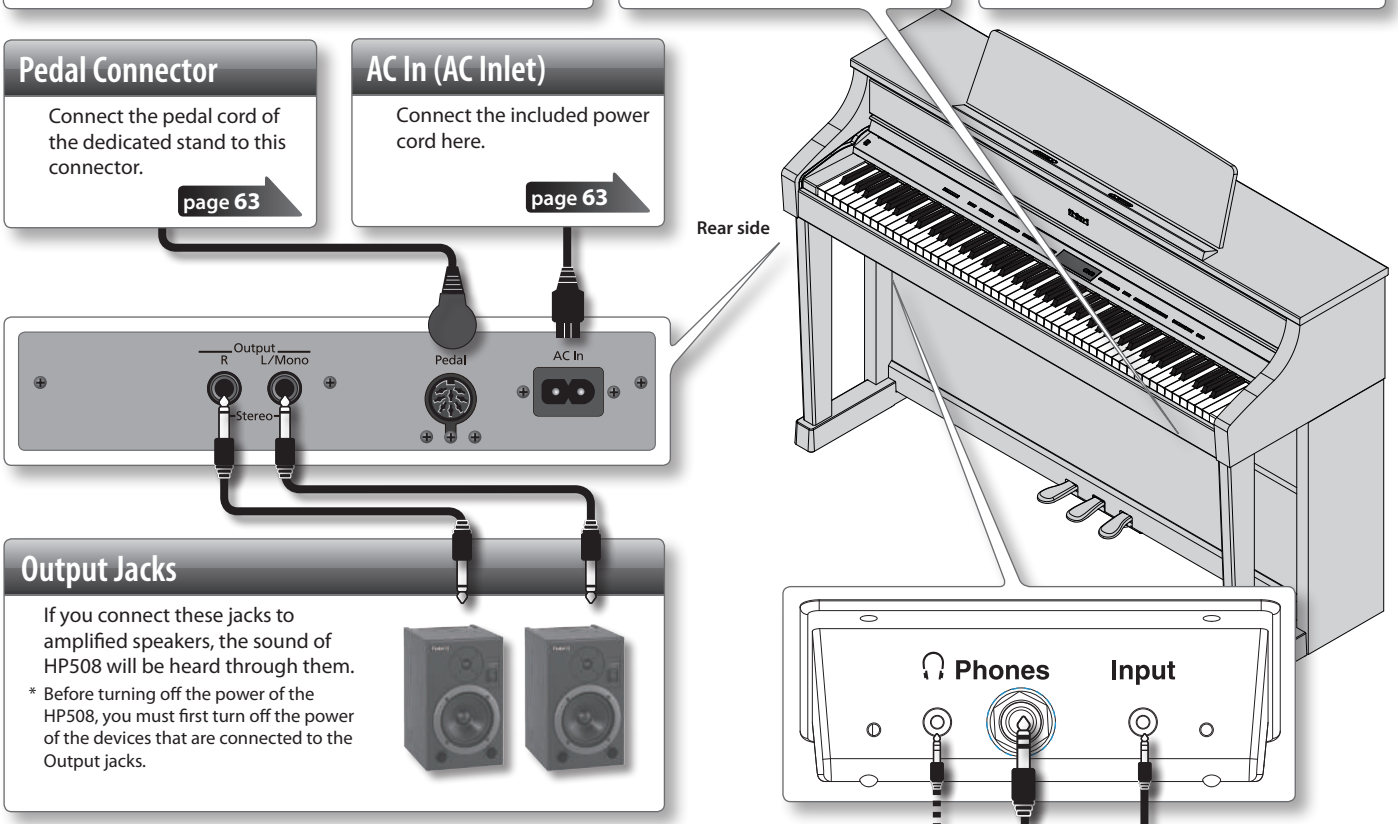
page 63

AC In (AC Inlet)

Connect the included power cord here.

page 63

Rear side



Output Jacks

If you connect these jacks to amplified speakers, the sound of HP508 will be heard through them.

* Before turning off the power of the HP508, you must first turn off the power of the devices that are connected to the Output jacks.

Phones Jacks

Here you can connect stereo headphones.

The HP508 has two headphone jacks, two people can also use headphones simultaneously.

A Headphones 3D Ambience effect will be applied, producing the sensation that the sound is emanating from the piano itself even when using headphones.

* The Headphones 3D Ambience effect applies only to piano tones; it does not apply to other tones.

* You can also turn the Headphones 3D Ambience effect off (p. 50).

* You can use the [Ambience] button to adjust the Headphones 3D Ambience effect.

Input jack

If a digital audio player or other audio playback device is connected here, you'll be able to listen to its playback through the HP508.

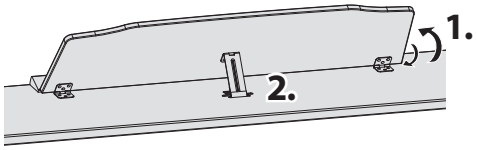
The volume of the device connected to the Input jack can be adjusted by means of Input Volume (p. 50).

* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

* When connection cables with resistors are used, the volume level of equipment connected to the Input jack may be low. If this happens, use connection cables that do not contain resistors.

* When opening/closing the lid or raising/folding down the music rest, please be careful not to get your fingers pinched between the movable part and the panel. In places where small children are present, make sure that an adult provides supervision and guidance.

Setting Up the Music Rest



Raising the music rest

1. **Gently raise the music rest.**
2. **Fit the latch into one of the slots so that the music rest is at the desired angle.**

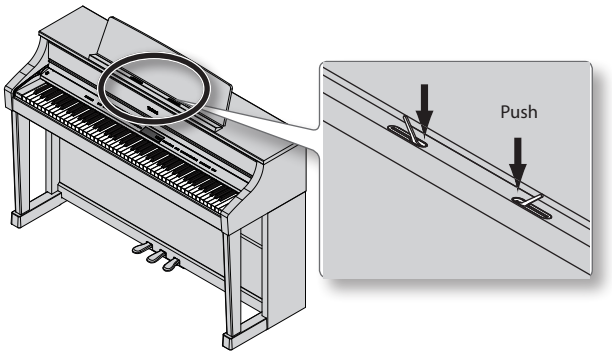
Folding down the music rest

1. **While using one hand to support the music rest, raise the latches located on the back of the music rest, then gently fold down the music rest.**

Using the music holders

You can use the holders to hold pages in place.

When not using the holders, leave them folded down.



Opening/Closing the Lid

To open the lid, use both hands to lift it lightly, and slide it away from yourself.

To close the lid, pull it gently toward yourself, and lower it softly after it has been fully extended.

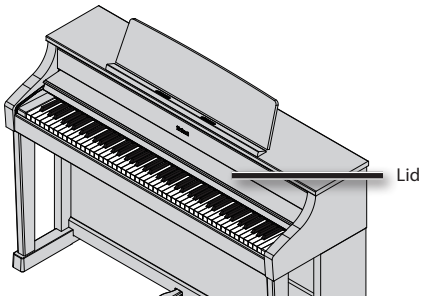
NOTE

When opening and closing the lid, be careful not to let your fingers get caught. If small children will be using the HP508, adult supervision should be provided.

If you need to move the piano, make sure the lid is closed first to prevent accidents.

Using the lid to conceal the buttons and display (Classic Position)

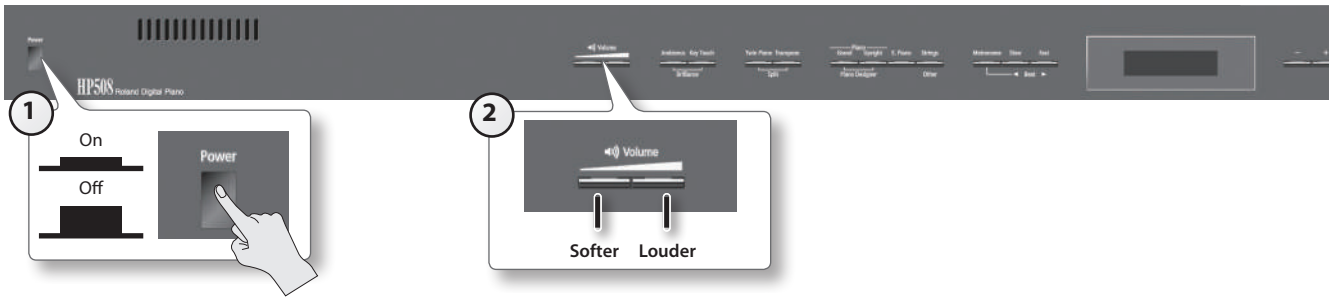
You can use the lid to conceal the buttons and the display. This allows you to concentrate on performing without being distracted by the buttons or the display.



Turning the Power On/Off

NOTE

Once everything is properly connected (p. 15), be sure to follow the procedure below to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.



Turning the power on

1. Press the [Power] switch.

After a brief interval, you'll be able to produce sounds by playing the keyboard.

* This unit is equipped with a protection circuit. A brief interval (a few seconds) after turning the unit on is required before it will operate normally.

2. Use the [Volume] buttons to adjust the volume.

The volume increases when you press the button on the right, and decreases when you press the button on the left.

This will adjust the volume of the speakers if you're using the speakers of the unit, or the volume of the headphones if headphones are connected. Each volume setting (for speaker or headphone) is saved automatically.

Volume adjustment screen when using speakers

Volume adjustment screen when using headphones

MEMO

The HP508 is designed so that nuances in the dynamics of your playing will be clearly heard even at low volume, and that the sound will remain clear even at high volume.

Turning the power off

1. Press the [Power] switch.

The power is turned off.

* If you need to turn off the power completely, first turn off the unit, then unplug the power cord from the power outlet. Refer to "To completely turn off power to the unit, pull out the plug from the outlet" (p. 3).

⚠ WARNING

If you don't want the power to turn off automatically, change the "Auto Off" setting to "Off"!

The power to this unit will be turned off automatically after a predetermined amount of time has passed since it was last used for playing music, or its buttons or controls were operated (Auto Off function).

If you do not want the power to be turned off automatically, disengage the Auto Off function (p. 44).

NOTE

- Any settings that you are in the process of editing will be lost when the power is turned off. If you have any settings that you want to keep, you should refer to "Retaining the Settings Even After Power-off (Memory Backup)" (p. 44) and save your settings.
- To restore power, turn the power on again (p. 14).
- When turning the power on again, you must allow at least five seconds after power-off before you once again turn the power on. If you fail to allow enough time, the Auto Off function might not be reset, preventing the power from turning on correctly.

Performing with Various Sounds

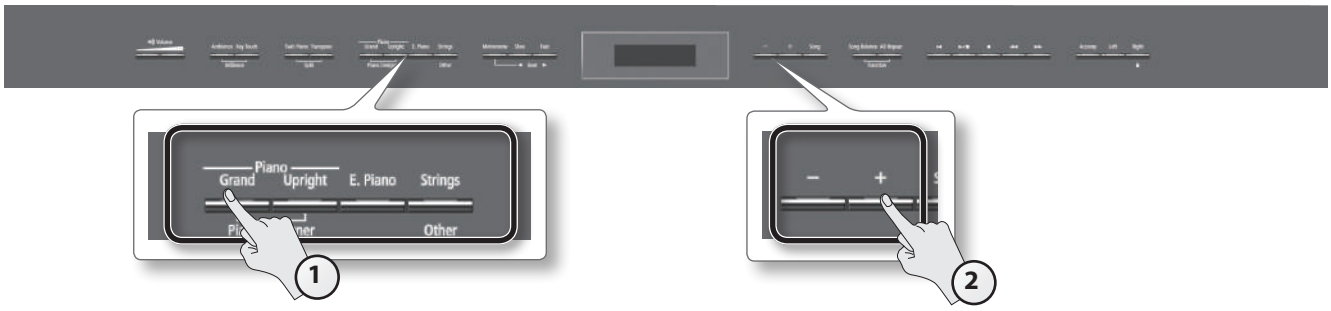
In addition to piano sounds, the HP508 lets you enjoy performing with many other sounds (350 types).

These sounds are called "Tones." The Tones are categorized into four groups, each of which is assigned to a different Tone button.

Switching Tones

Let's start by performing with a piano tone.

When you turn on the power, the "ConcertPiano" tone is selected.



1. Press a tone button to select the tone group.

The currently selected tone number and tone name are displayed.

* The explanations in this manual include illustrations that depict what should typically be shown by the display.

Note, however, that your unit may incorporate a newer, enhanced version of the system (e.g., includes newer sounds), so what you actually see in the display may not always match what appears in the manual.

Tone groups

Tone button	Description
Piano [Grand] button	Selects grand piano sounds.
Piano [Upright] button	Selects upright piano sounds
[E. Piano] button	Selects various electric piano sounds used in pop or rock.
[Strings] button	Selects a variety of sounds such as string instruments, organ, or accompaniment sounds. * If you select tone numbers 57–65, you'll be able to use the keyboard to play the sounds of a drum set. * If you've selected an organ sound that provides a rotary effect (*1), such as a Combo Jz. Org or a Ballad Organ, pressing the [Strings] button will switch the speed of the rotary effect.

For details on the tones, refer to "Tone List" (p. 58).

*1 Rotary effect:
Rotary is an effect which simulates the sound of rotating speakers. There is a choice of two settings: Fast and Slow.

2. Use the [–] [+] buttons to select a variation within the tone group.

* If you've selected a drum set tone or an SFX set tone, some notes of the keyboard will not produce sound.

Auditioning tones (tone demo)

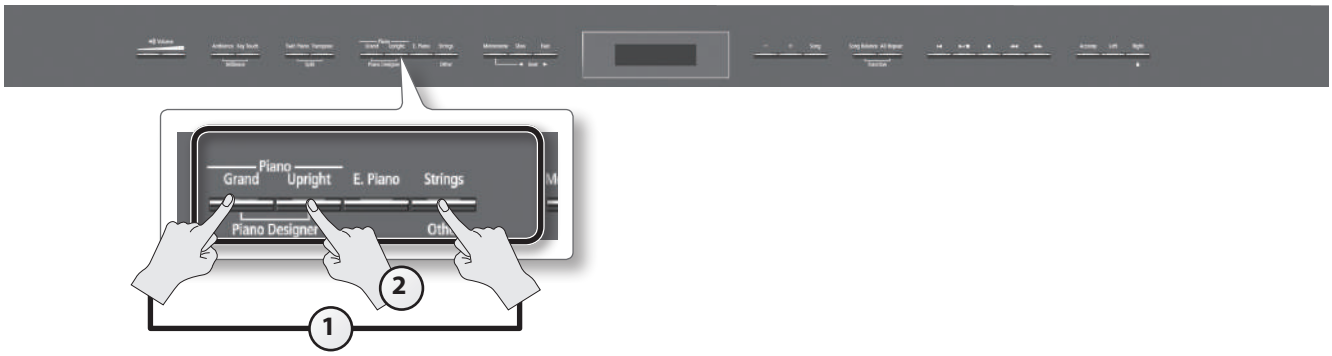
1. While holding down a tone button, press the [▶/■] (Play/Stop) button.

A tone demo that uses the first tone of each tone group will begin playing back.

2. To stop the tone demo, press the [Song] button or the [▶/■] (Play/Stop) button.

Performing with Two Layered Tones (Dual Play)

You can play two tones simultaneously from each note of the keyboard. This feature is called "Dual Play."
As an example, here's how to layer piano and strings tones.



1. While holding down the Piano [Grand] button, press the [Strings] button.

Both buttons will light.
When you play the keyboard, you'll hear both the piano and the strings tones.

* Dual play is not available if Split Play (p. 20) or Twin Piano (p. 24) are turned on.
* For some combinations of sounds, the effect is not applied to tone 2, and this may affect how the tone sounds.
* It's not possible to layer Piano [Grand] and Piano [Upright] tones together.

Selecting tones for dual play

Tone name	Corresponding button	How to select tones
Tone 1	Left tone button	Press the [–] [+] buttons.
Tone 2	Right tone button	While holding down the tone button for Tone 2 (the right-most of the lit Tone buttons), and press the [–] [+] buttons.

2. To exit Dual Play, press one of the tone buttons.

Advanced techniques

Changing the pitch of tone 2 in steps of an octave: "Octave Shift" (p. 51)
Specifying the part(s) affected by the damper pedal: "Damper Pedal Part" (p. 51)
Adjusting the volume balance of the two tones: "Dual Balance" (p. 50)

What are effects?

Some of the tones provide a wide variety of other "effects" that can modify the sound in various ways.
The rotary effect is one of these effects.

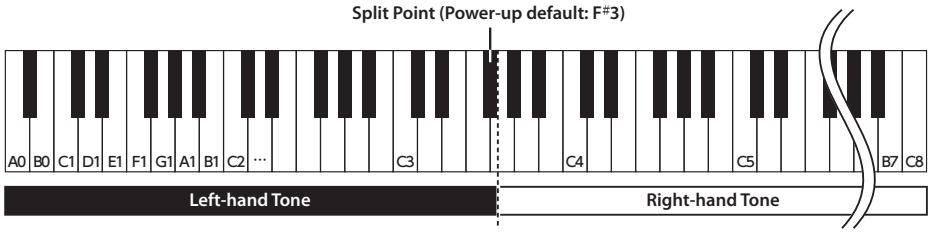
Playing Different Tones with the Right and Left Hands (Split Play)

You can play different tones in the left and right sides of the keyboard, divided at a certain key.
This feature is called "Split Play," and the key at which the keyboard is divided is called the "Split Point."

1. While holding down the [Transpose] button, press the [Twin Piano] button.

The Split screen will appear.

When Split is turned on, the keyboard settings will be as follows.



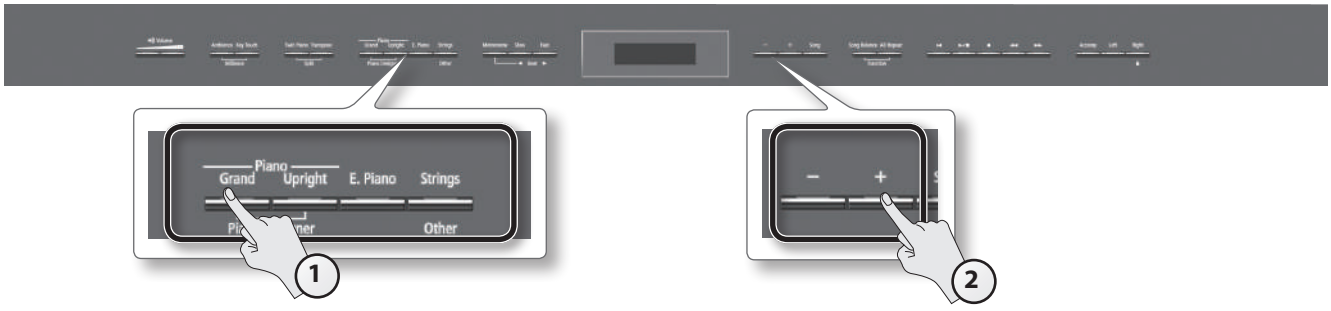
2. To exit Split Play, hold down the [Transpose] button and press the [Twin Piano] button once again.

* Depending on which tones are being used together, the tones might sound different because no effect is applied to the left-hand tone.

Advanced technique

Specifying the part(s) affected by the damper pedal: "Damper Pedal Part" (p. 51)

Changing the right-hand tone



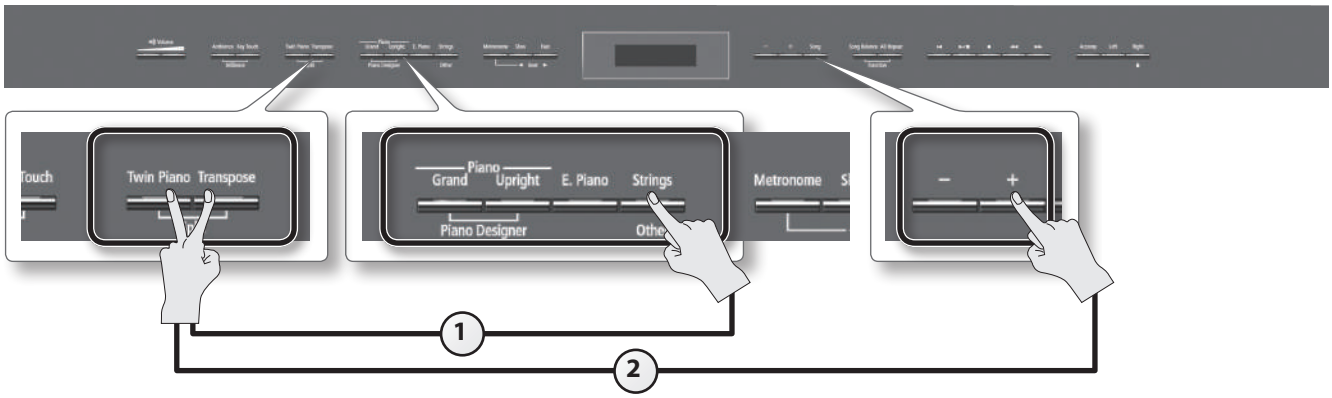
1. Press a tone button.

The number and name of tone currently selected for the right-hand zone are shown.

2. Press the [–] [+] buttons.

A different tone is selected.

Changing the left-hand tone



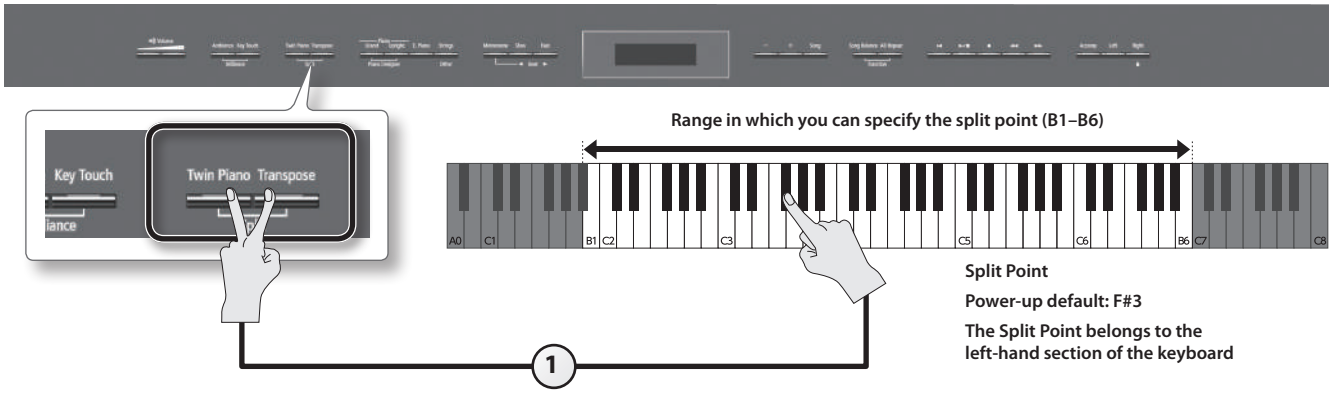
1. While holding down the [Transpose] button and [Twin Piano] button, press a tone button.
The number and name of the tone currently selected for the left-hand zone are shown.

2. While holding down the [Transpose] button and [Twin Piano] button, press the [–] [+] buttons.
A different tone is selected.

Advanced technique

Changing the pitch of the left-hand tone in steps of an octave: "Octave Shift" (p. 51)

Changing the keyboard's split point



1. While holding down the [Transpose] button and [Twin Piano] button, press the key that you want to assign as the split point.
The key you pressed becomes the new split point, and that key will be shown in the display.

Screen	Value
Split Point F#3	**B1–B6** (default: F#3)

Saving your settings

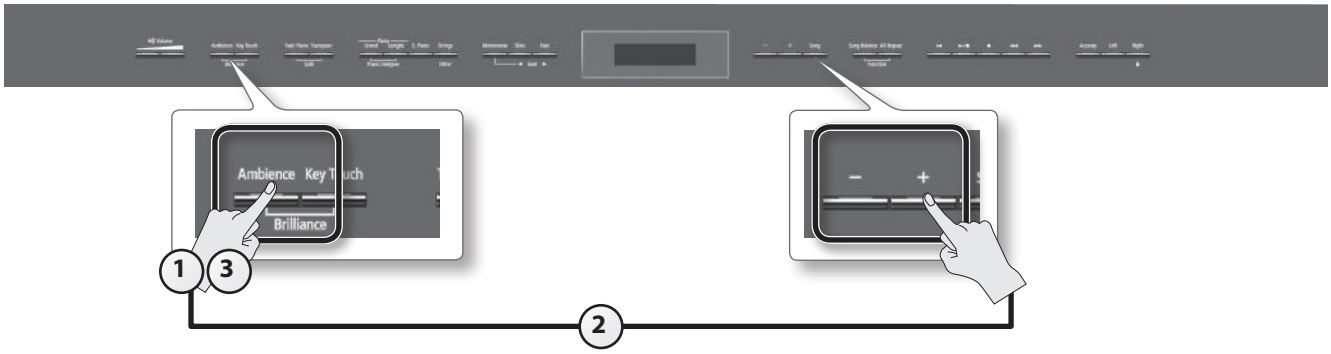
The HP508's settings will revert to the default values when you turn off the power, but you can save them as described in "Retaining the Settings Even After Power-off (Memory Backup)" (p. 44).

Adjusting the Sound to Your Taste

The HP508 lets you add reverberation or modify the brightness of the sound.

Adding Reverberation to the Sound (Ambience)

You can add a pleasant reverberation to the sounds of the HP508, producing the impression that you are performing in a concert hall.
This effect is called "Ambience."



1. Press the [Ambience] button.

The [Ambience] button will light.

2. While holding down the [Ambience] button, press the [–] [+] buttons.

The display will indicate the depth of the ambience effect values.

Saving your settings

The HP508's settings will revert to the default values when you turn off the power, but you can save them as described in "Retaining the Settings Even After Power-off (Memory Backup)" (p. 44).

Screen	Value	Explanation
	1–10 (default: 2)	Higher values apply deeper ambience. * If you're using headphones and the Headphones 3D Ambience effect (p. 50) is set to "On," this lets you adjust the depth of the Headphones 3D Ambience effect.

3. To turn off the ambience effect, press the [Ambience] button once again.

The [Ambience] button will go out.

* It's not possible to specify the depth of ambience individually for each tone. The effect will be applied in the same way to each tone.

Adjusting the Brightness of the Sound (Brilliance)

You can adjust the brightness of the sounds played on the keyboard or played back by a song.

Saving your settings

The HP508's settings will revert to the default values when you turn off the power, but you can save them as described in "Retaining the Settings Even After Power-off (Memory Backup)" (p. 44).

1. While holding down the [Ambience] button, press the [Key Touch] button.

The display will indicate the depth of the brilliance effect values.

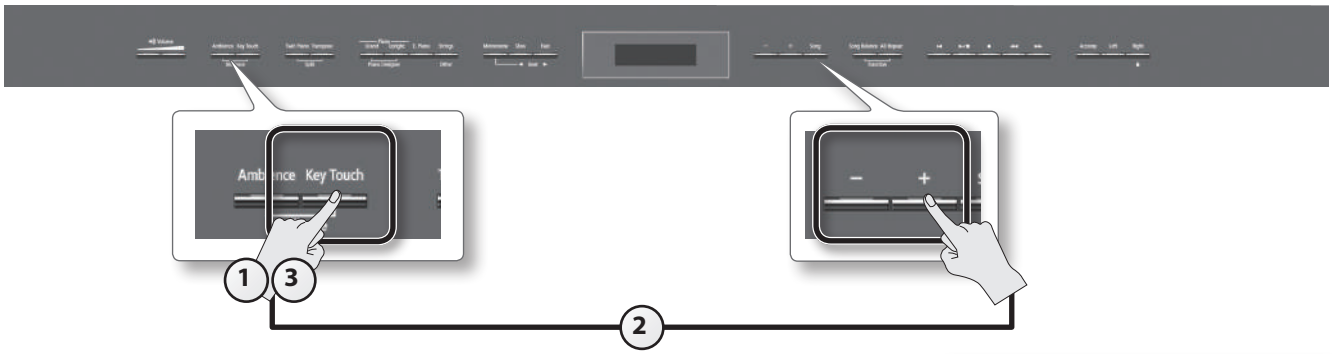
2. Press the [–] [+] buttons.

Screen	Value	Explanation
	-10–0–10 (default: 0)	Positive (+) values make the sound brighter; negative (-) values make the sound more mellow.

3. Press [Ambience] button or [Key Touch] button to return to the previous screen.

Adjusting the Keyboard Response (Key Touch)

The way in which the keyboard responds to your playing strength can be adjusted to your personal taste.



Saving your settings

The HP508's settings will revert to the default values when you turn off the power, but you can save them as described in "Retaining the Settings Even After Power-off (Memory Backup)" (p. 44).

1. Press the [Key Touch] button.

The [Key Touch] button will light.

2. While holding down the [Key Touch] button, press the [–] [+] buttons.

The display will indicate the key touch setting.

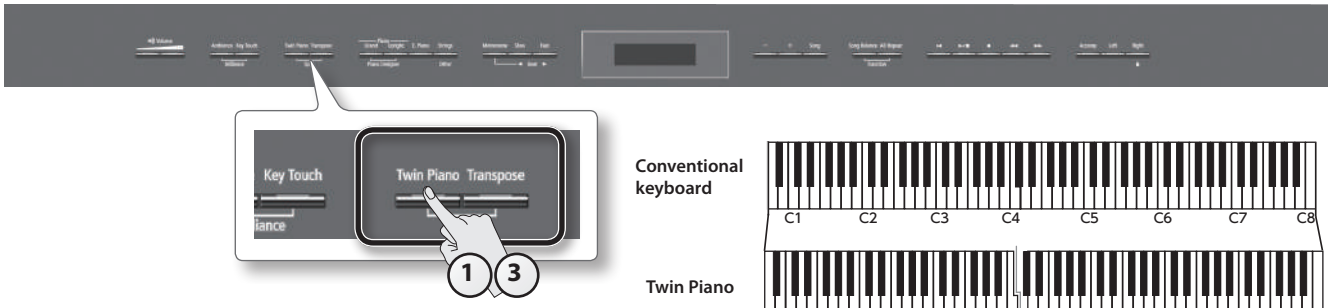
Screen	Value	Explanation
	Fix, 1–100 (default: 70)	Higher values will make the keyboard feel heavier. If you've specified "Fix", notes will sound at the same volume regardless of how strongly you play the keyboard. If this value is 50, the result will be the same as when the [Key Touch] button is unlit.

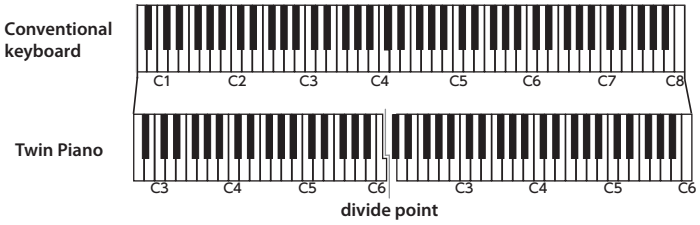
3. To cancel key touch, press the [Key Touch] button once again.

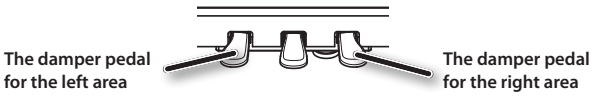
The [Key Touch] button will go out.

Dividing the Keyboard for Two-Person Performance (Twin Piano)

You can divide the keyboard into left and right zones so that two people can play the same range of pitches, just as though there were two pianos.
This function is called "Twin Piano."
For example, you could use Twin Piano to allow a student to play along with their teacher.







1. Press the [Twin Piano] button.

The [Twin Piano] button will light, and the "ConcertPiano" tone will be selected.

When you turn Twin Piano on, the keyboard and pedal settings will be as shown in the illustration.

NOTE

If Twin Piano is on, damper resonance will not be applied; this may cause the piano to sound different.

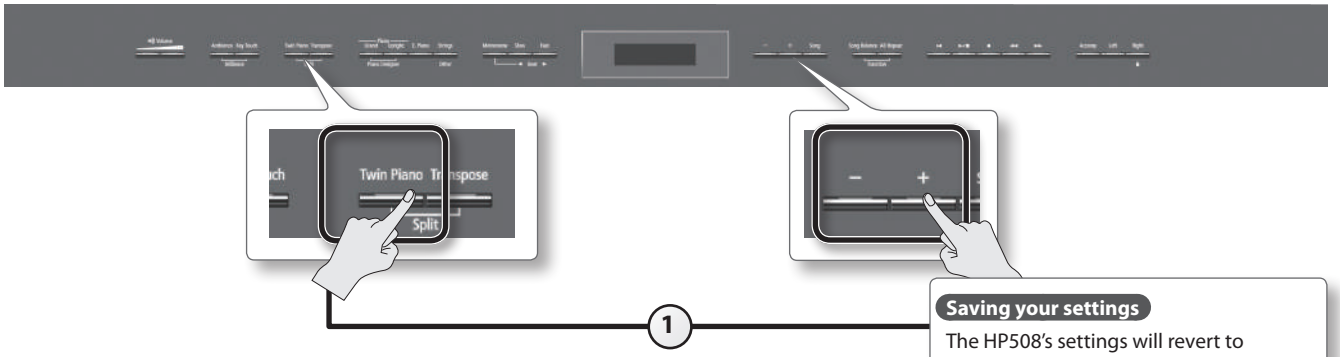
2. Select the tone to be played (p. 18).

The left and right sections will have the same tone.

3. To cancel Twin Piano, press the [Twin Piano] button once again.

The [Twin Piano] button will go out.

Changing the way in which the sound is heard (Twin Piano mode)



Saving your settings

The HP508's settings will revert to the default values when you turn off the power, but you can save them as described in "Retaining the Settings Even After Power-off (Memory Backup)" (p. 44).

1. While holding down the [Twin Piano] button, press the [–] [+] buttons.

The display will indicate Twin Piano mode.

Screen	Value	Explanation
Twin Piano Mode – Individual +	**Pair**	The sound of the right-hand keyboard zone will be heard more loudly from the right speaker than from the left speaker. The sound of the left-hand keyboard zone will be heard more loudly from the left speaker than from the right speaker. When using headphones, you'll be able to hear the other person's playing.
	Individual (default)	The sound of the right-hand keyboard zone will be heard only from the right speaker. The sound of the left-hand keyboard zone will be heard only from the left speaker. When using headphones, you won't be able to hear the other person's playing. * Ambience will turn off. * For some tones, the sound might not be divided to left and right. * If using headphones, connect them to the left Phones jack if playing the left keyboard zone; connect them to the right Phones jack if playing the right keyboard zone. * If you record while this is set to "Individual," the playback might not be the same as what you heard during recording.

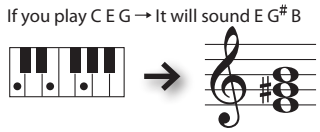
Shifting the Pitch (Transpose)

"Transpose" means to shift the pitches of songs and the keyboard.

The Transpose function makes it easy to do the following.

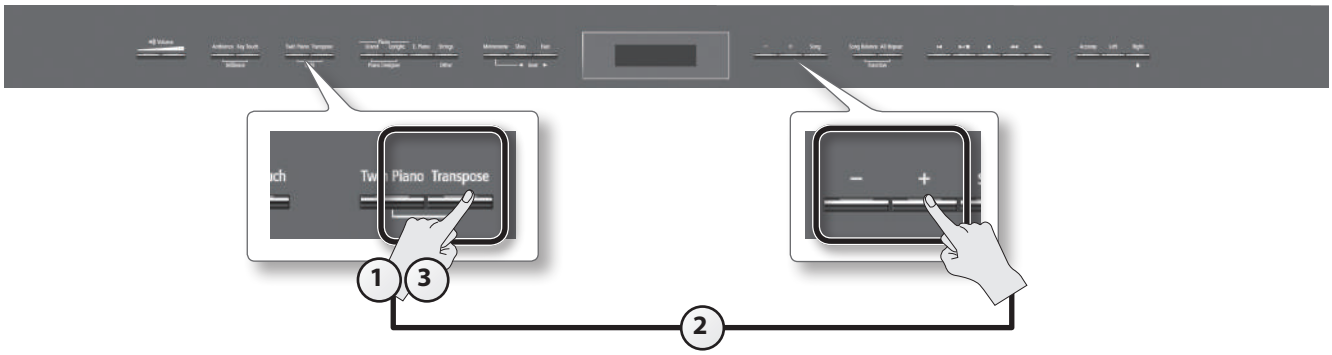
- You can use unchanged fingering to accompany a singer who is singing in a key different than the original music.
- A song written in a difficult key with numerous sharps (♯) or flats (♭) can be performed in a key that's easier for you to play.
- Notation of a transposing instrument such as trumpet or sax can be played as written, while hearing the transposed pitches.

For example if the song is written in E major but you want to play it using the fingering of the key of C major, you would set Transpose to "4."



MEMO

With the factory settings, both the song and the keyboard will be transposed. If you want to transpose only the keyboard or only the song, make the appropriate setting as described in "Specifying What the Transpose Will Affect (Transpose Mode)" (p. 51).

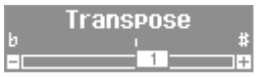


1. Press the [Transpose] button.

The [Transpose] button will light.

2. While holding down the [Transpose] button, press the [–] [+] buttons.

The display will indicate the amount of transposition.

Screen	Value	Explanation
	**-6–0–5 (semitone units)** (default: 1)	Positive (+) values raise the pitch in semitone steps, and negative (-) values lower the pitch in semitone steps.

MEMO

You can also specify this value by holding down the [Transpose] button and playing the note that is the tonic of the key to which you want to transpose.

* If you select a different song, the transposition setting will be canceled.

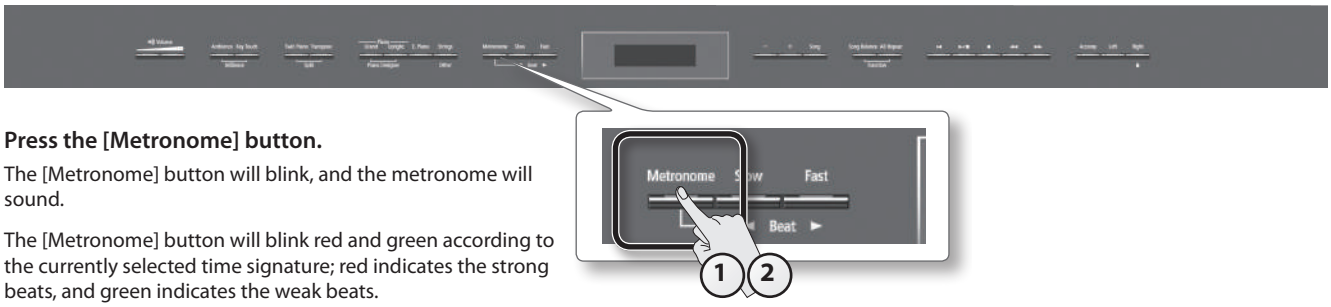
3. To cancel the transposition, press the [Transpose] button once again.

The [Transpose] button will go out.

Practicing with the Metronome

You can sound the metronome while you practice.

While the song selects, the metronome will sound at the tempo and time signature of the song.



1. Press the [Metronome] button.

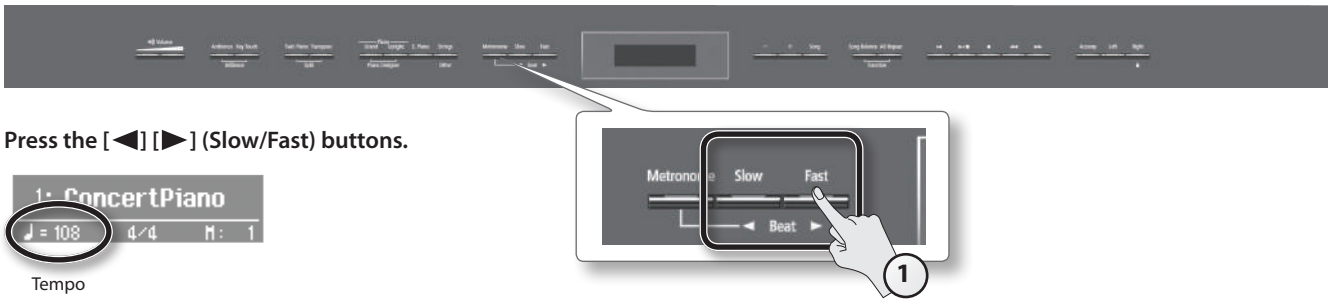
The [Metronome] button will blink, and the metronome will sound.

The [Metronome] button will blink red and green according to the currently selected time signature; red indicates the strong beats, and green indicates the weak beats.

2. To stop the metronome, press the [Metronome] button once again.

The [Metronome] button will go out.

Changing the Tempo

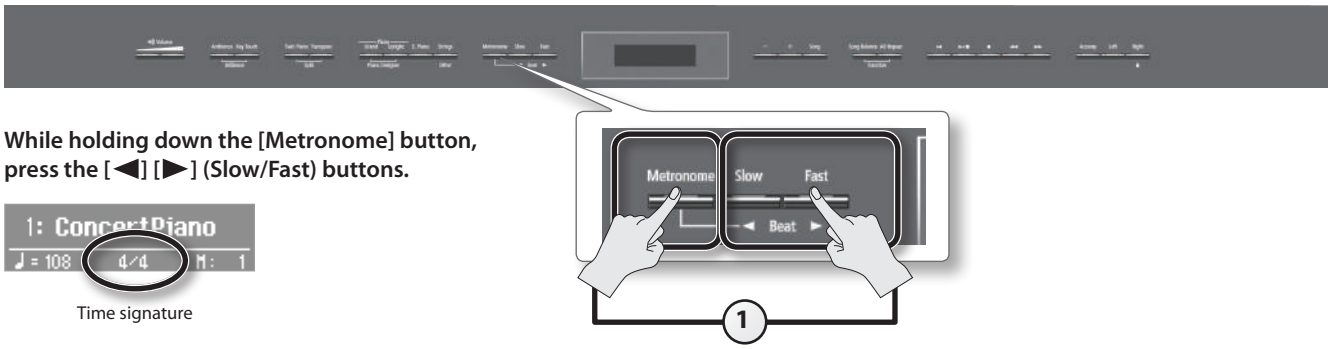


1. Press the [◀] [▶] (Slow/Fast) buttons.

Tempo

When you play back a song, the metronome's tempo will be set to the tempo of that song.

Changing the Time Signature



1. While holding down the [Metronome] button, press the [◀] [▶] (Slow/Fast) buttons.

Time signature

If you specify "0/4" only the weak beats will sound.

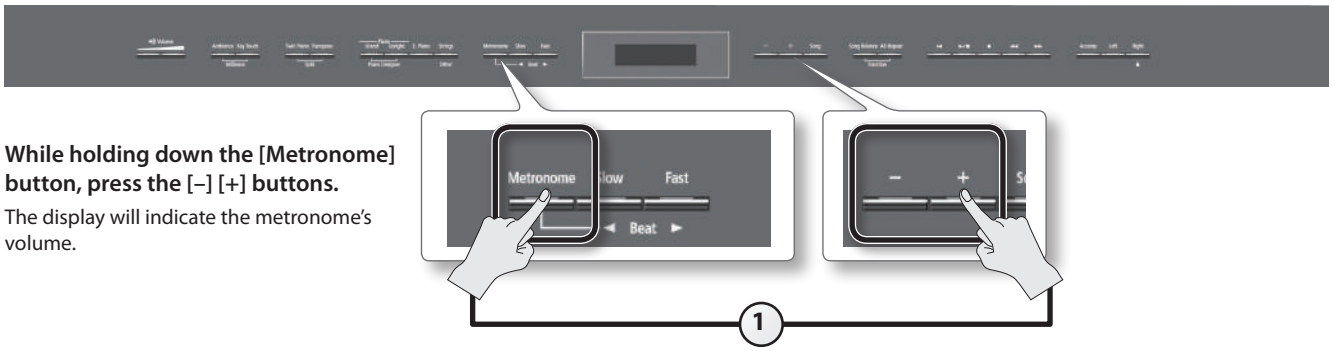
When you play back a song, the metronome's time signature will be set to the time signature of that song.

Available time signatures	**2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8** (default: 4/4)

* You can't change the metronome's time signature while a song is playing.

* If you record using 0/4, the song's time signature will be set to 4/4 when you save it.

Adjusting the Metronome's Volume



1. While holding down the [Metronome] button, press the [–] [+] buttons.

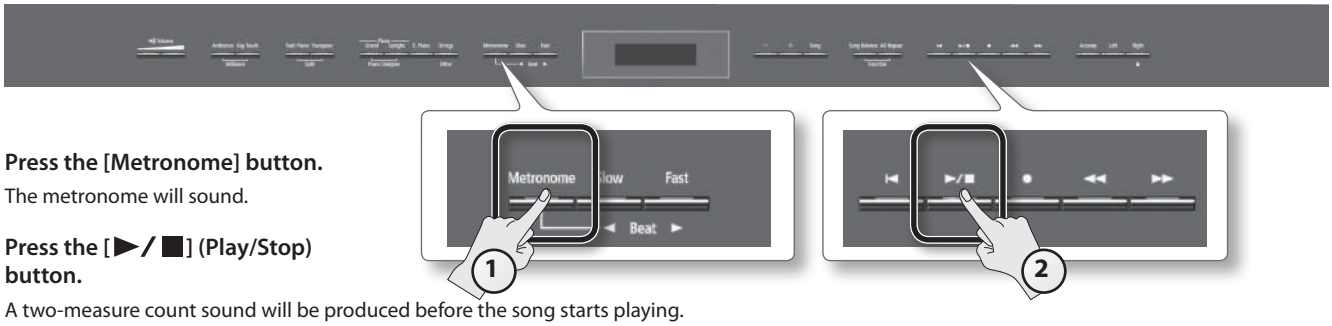
The display will indicate the metronome's volume.

Screen	Value	Explanation
	0–10 (default: 5)	When the volume of the metronome is set to "0," the metronome won't sound, but the [Metronome] button will blink.

Adding a Count-in to Synchronize Your Performance

A series of sounds rhythmically played to indicate the tempo before a song starts is called a "count-in."

If you sound a count-in, it will be easier for you to synchronize your own performance to the tempo of the playback.



1. Press the [Metronome] button.

The metronome will sound.

2. Press the [►/■] (Play/Stop) button.

A two-measure count sound will be produced before the song starts playing.

Practicing with a Song

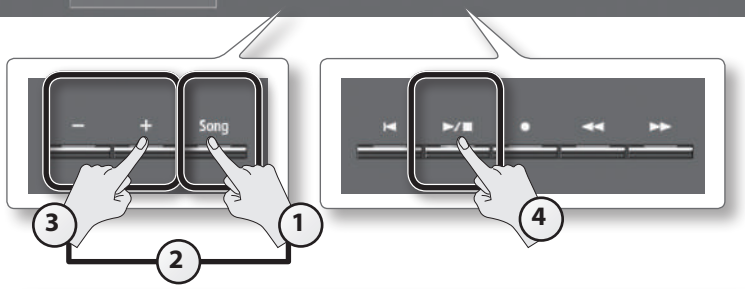
You can practice by playing along with a song.

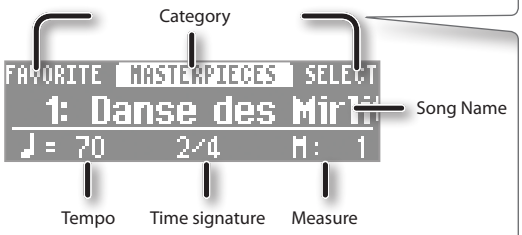
Selecting and Playing a Song

Here's how to listen to the built-in songs. The HP508 provides over 200 built-in piano songs.
You can also play back songs stored on a separately sold USB flash drive.

1. Press the [Song] button.

2. While holding down the [Song] button, use the [–] [+] buttons to select the category.





Category	Explanation	
USB	Songs saved on the USB flash drive	
FAVORITE	Songs saved in Favorite (internal memory)	
MASTERPIECE	Songs built into the HP508	Piano Masterpieces
SELECTIONS		Various tunes
CZERNY 100		Czerny
HANON		Hanon

3. Use the [–] [+] buttons to select a song.

MEMO

Use the following operations to select a song from a folder.

- To move to a different folder, use the [–] [+] buttons to select that folder, and then press the [▶/■] (Play/Stop) button.
- To select a song within a folder, use the [–] [+] buttons.
- To exit a folder, use the [–] button to select "(Up)," and then press the [▶/■] (Play/Stop) button.

* If one folder contains more than 500 files or folder, some of the files or folders might not be displayed.

4. Press the [▶/■] (Play/Stop) button.

When the song has played to its end, playback will stop.
To pause the playback, press the [▶/■] (Play/Stop) button once again.
The next time you press the [▶/■] (Play/Stop) button, playback will resume from where you paused.

Button operations

[⏮] (Reset) button	Returns you to the beginning of the song.
[▶/■] (Play/Stop) button	Plays/stops the song. Starts/stops recording.
[●] (Rec) button	Enter recording – standby mode.
[◀◀] (Bwd) button	Rewinds the song.
[▶▶] (Fwd) button	Fast-forwards the song.

Song formats that can be played by the HP508

The HP508 can play back data in the following formats.

- SMF formats 0/1
- Roland Piano Digital format (i-format)
- Audio files: WAV format, 44.1 kHz, 16-bit linear

Playing Songs Consecutively (All Songs Play)

You can consecutively play back the built-in songs or the songs saved in Favorite (internal memory) or on the USB (USB flash drive) repetitively.
This function is called "All Songs Play."

1. While holding down the [Song] button, use the [–] [+] buttons to select the category.

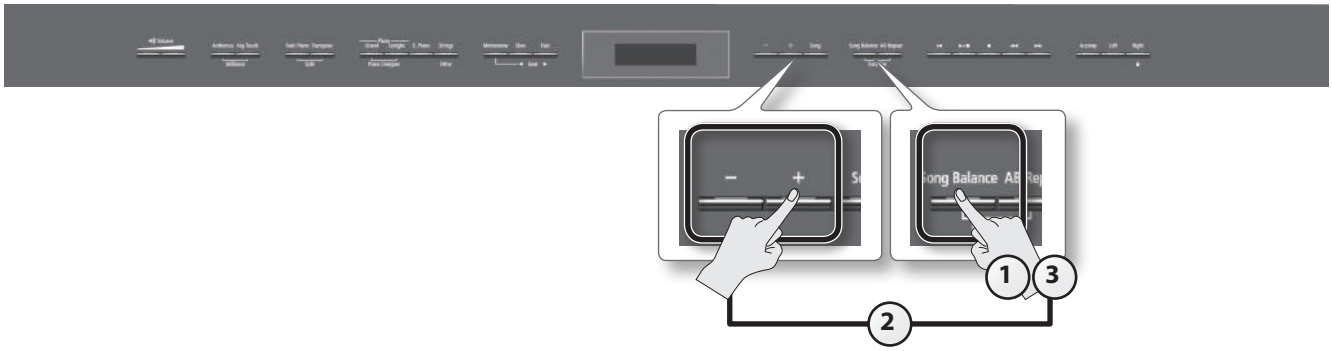
2. While holding down the [Song] button, press the [▶/■] (Play/Stop) button.

All Songs Play will be selected, and the [▶/■] (Play/Stop) button will blink.

* All Song Play will be cancelled if you stop playback or turn off the power.

Adjusting the Volume Balance of the Song and the Keyboard Performance (Song Balance)

You can adjust the balance between the song and your keyboard performance by changing the volume of the song.



1. Press the [Song Balance] button.

The [Song Balance] button will light.

2. While holding down the [Song Balance] button, press the [–] [+] buttons.

The display will show the song balance.

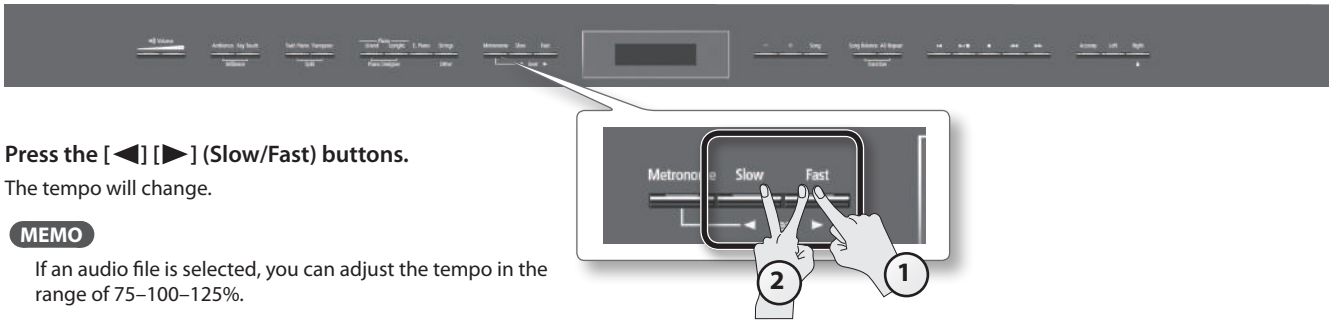
Screen	Value	Explanation
	0–9 (default: 5)	The song's volume decreases the more you lower this value, and at the same time the keyboard performance will take on more prominence. The song's volume increases the more you raise this value, and at the same time the keyboard performance will become less prominent.

3. To cancel the Song Balance function, press the [Song Balance] button once again.

The [Song Balance] button will go out.

Adjusting a Song's Tempo for Easier Practicing

You can change the tempo at which a song plays back.
When you're practicing along with a song, this allows you to slow down the tempo of a difficult song in order to play it more comfortably.



1. Press the [◀] [▶] (Slow/Fast) buttons.

The tempo will change.

MEMO

If an audio file is selected, you can adjust the tempo in the range of 75–100–125%.

2. To return the tempo to its original setting, press the [◀] (Slow) and [▶] (Fast) buttons simultaneously.

Playing back at a fixed tempo (tempo mute)

With some of the internal songs, the tempo will change during the song. If desired, you can make these songs play back at a fixed, unchanging tempo.

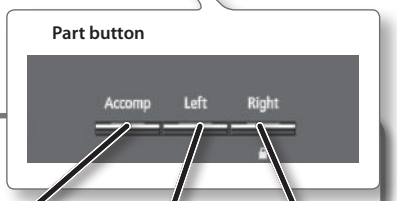
1. While holding down the [▶/■] (Play/Stop) button, use the [◀] [▶] (Slow/Fast) buttons to adjust the tempo.

The tempo indication in the screen will be highlighted.

2. To cancel tempo mute, once again hold down the [▶/■] (Play/Stop) button and press the [◀] [▶] (Slow/Fast) buttons.

Practicing One Hand at a Time (Part Mute)

Here's how to have only the selected part play back. This allows you to practice playing the left or right-hand part of a song while listening to the other hand played automatically.



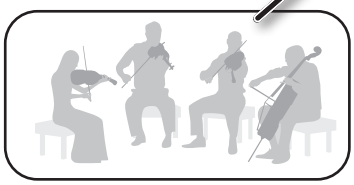
Part

Each part is assigned to the part buttons as shown in the illustration.

Muting

You can "mute" a specific part so that it will not be heard.

* If you've selected a song that does not contain an accompaniment, the [Accomp] button will not light even if you press it.



Accompaniment part

Left-hand part

Right-hand part

1. Press the part button for the part that you don't want to be played.

The light for the button you pressed will go out, and the selected part will not be heard.

MEMO

- If the accompaniment part is muted, playback will skip the introduction.
- The mute setting will be cancelled when you switch songs.
- Although the Part Mute function cannot be used with respect to the playback of an audio file, you can reduce the volume during playback of sounds that are localized at the center of the sound field, such as vocals or bass. Refer to "Center Cancel" (p. 38).

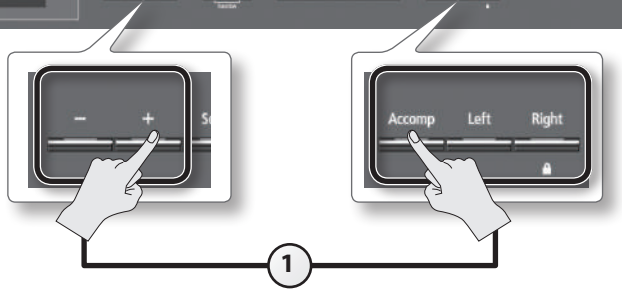
2. To un-mute the sound, press the part button once again so it's lit.

Using the sound of a specific part as a "guide" (mute volume)

If desired, you can specify that the sound of a part will play at a reduced volume rather than going completely silent when you press a part button and turn off its indicator.

This setting lets you play a specific part at a reduced volume and use it as a "guide" for your playing.

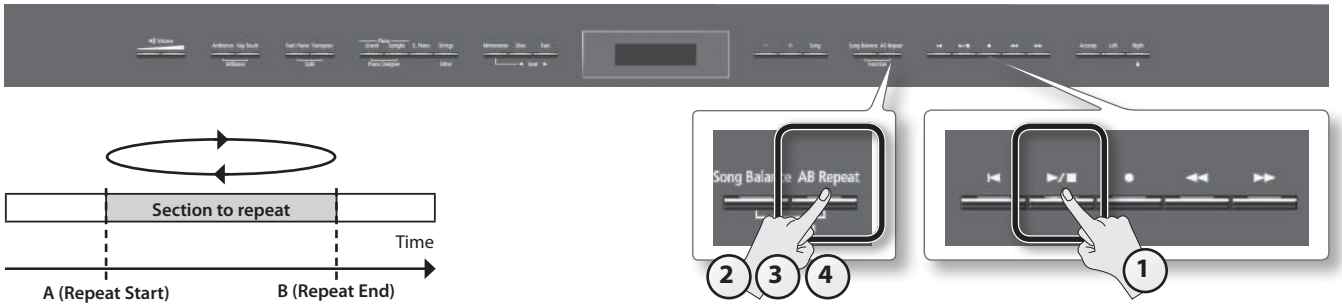
1. While holding down the part button, press the [–] [+] buttons.



Screen	Value	Explanation
	0–10 (default: 0)	Higher values make the sound louder.

Repeatedly Practicing a Portion of a Song (AB Repeat)

Here's how you can repeatedly play back a specified portion of the song. You can use this function to repeatedly practice that portion.



1. Press the [▶/■] (Play/Stop) button.

The song will play back.

2. Press the [AB Repeat] button at the point where you want to start repeating (point A).

The [AB Repeat] button will blink.

3. Press the [AB Repeat] button at the point where you want to stop repeating (point B).

The [AB Repeat] button will light, and playback will begin repeating.

4. To cancel the repeat function, press the [AB Repeat] button once again.

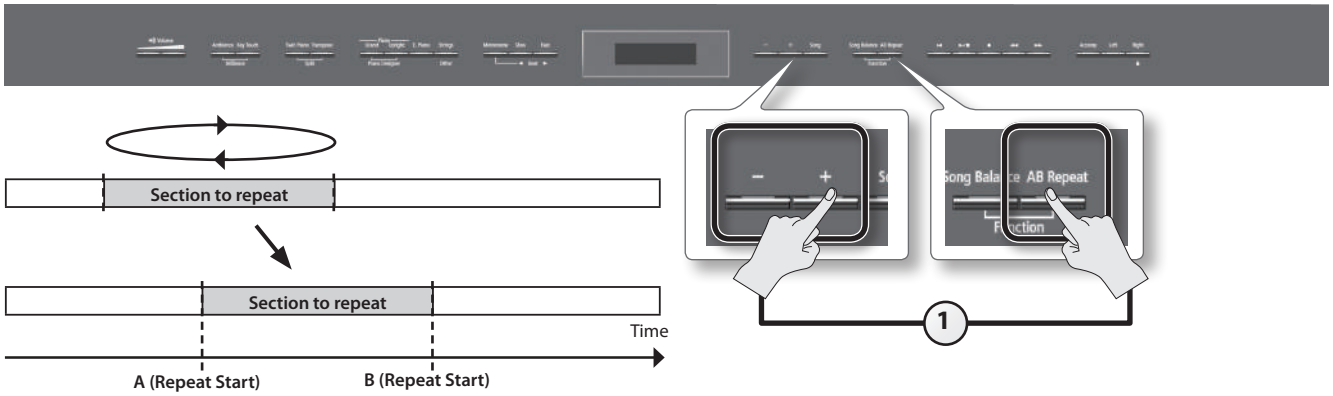
The [AB Repeat] button will go out, the repeat points you specified will be cleared.

MEMO

- The repeat points can be set at the beginning of each measure specified in measures of beats for an SMF song, or in 1/100th of a second for audio.
- Instead of playing back the song, you can also specify the portion to repeat by using the [◀◀] [▶▶] buttons.

Moving the portion to repeat forward or backward

When AB Repeat is on, you can move the repeated portion forward or backward.



1. While holding down the [AB Repeat] button, press the [–] [+] buttons.

The repeated portion will be moved without its length being changed.

Recording the Song You're Practicing

It's easy to record your own performances.

You can play back a recorded performance to check your playing, or perform along with a recorded performance.

The HP508 lets you record in the following ways.

Type of recording	Explanation
SMF recording	Parts will be separate. You can re-record a specific portion of the song. You can overdub. * Normally, you should use SMF recording.
Audio recording	Your performance will be recorded as audio data. The recorded song can be used on your computer. * In order to use audio recording, you must connect a USB flash drive (sold separately) to the USB memory port (p. 15). * Thanks to its multiple number of speakers, each of which can be used to play a different portion of the overall sound, the HP508 is capable of producing piano sounds that possess great depth and seem to have three-dimensional presence. Such effects are produced when you play something on the keyboard, or when you play back a song that's been recorded as an SMF. However, when you make an audio recording, the song will consist of two channels (stereo), and such effects cannot be reproduced.

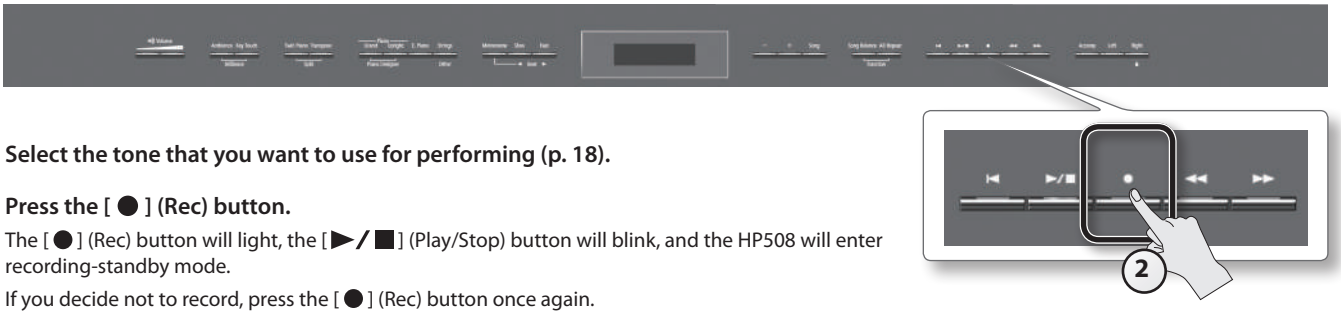
* SMFs (Standard MIDI Files) use a standard format for music file that was formulated so that files containing music file could be widely compatible, regardless of the manufacturer of the listening device. An enormous variety of music is available, whether it be for listening, for practicing musical instruments, for Karaoke, etc.

SMF Recording

To record a new song, proceed as follows.

This method is convenient when you simply want to record your performance as easily as possible.

Getting ready to record



1. Select the tone that you want to use for performing (p. 18).

2. Press the [●] (Rec) button.

The [●] (Rec) button will light, the [▶/■] (Play/Stop) button will blink, and the HP508 will enter recording-standby mode.

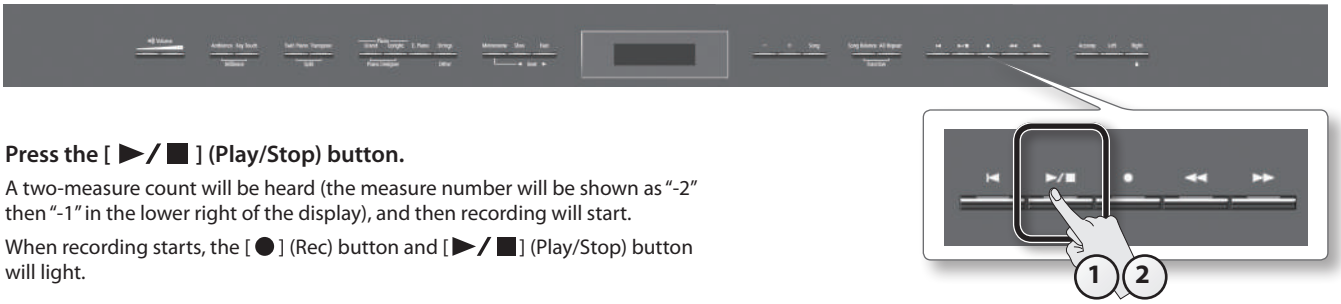
If you decide not to record, press the [●] (Rec) button once again.

3. If desired, sound the metronome (p. 26).

MEMO

If you change the metronome's tempo and time signature, they will be recorded with the song, allowing the metronome to sound correctly during playback.

Starting/stopping recording



1. Press the [▶/■] (Play/Stop) button.

A two-measure count will be heard (the measure number will be shown as "-2" then "-1" in the lower right of the display), and then recording will start.

When recording starts, the [●] (Rec) button and [▶/■] (Play/Stop) button will light.

MEMO

You can also initiate recording by simply playing the keyboard. If you initiate recording by playing the keyboard, a count will not be sounded.

2. Press the [▶/■] (Play/Stop) button.

Recording will stop, and you'll be presented with a message will ask whether you want to save or erase your performance.

Saving a performance you've recorded

* If you want to save to the USB flash drive (sold separately), connect your USB flash drive to the USB memory port before you continue.

1. Press the [▶] (Fast) button to select "Save."

Saving will begin.

The recorded performance is saved at the earliest vacant song number.

The song is automatically given a name in this format: "Song nnn," where "nnn" is the song number.

NOTE

Never turn off the power while "Executing..." is shown in the display.

Saving to a specific memory, song number, or song name

If you press the [Song] button instead of the [▶] (Fast) button, you'll be able to specify the save-destination memory, song number, and song name used for saving.

For details on the procedure, refer to "Saving a Song with the Name You Specify" (p. 40).

Erasing a performance you've recorded

1. Use the [◀] (Slow) button to select "Erase."

A message will ask you to confirm that you want to erase the song.

2. Press the [▶] (Fast) button to erase the song.

Listening to a performance you've recorded

1. Press the [▶/■] (Play/Stop) button.

Playback will start from the beginning of the recorded performance.

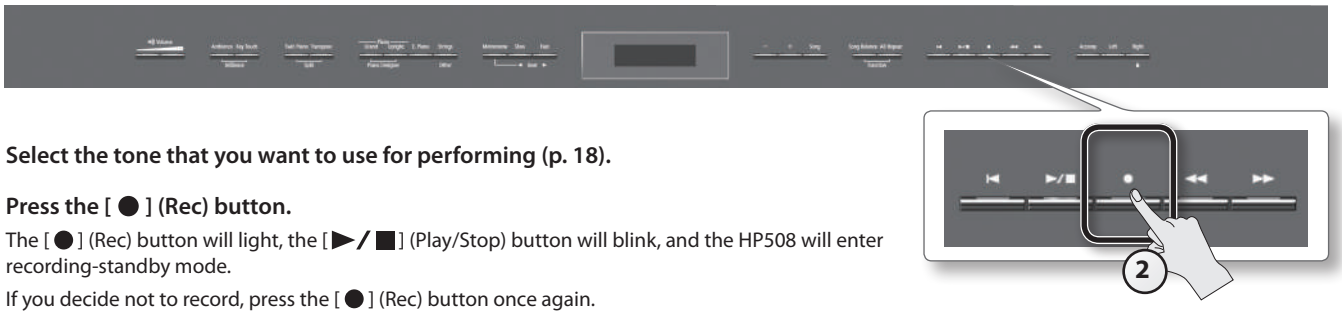
Overdubbing a Recorded Song

When recording an SMF, you can overdub each part separately. For example, you can record the left-hand and right-hand parts separately, or record along with a song.

Recording each hand separately

You can separately record your left-hand performance to the [Left] button and your right-hand performance to the [Right] button. You can also separately re-record each hand afterward.

Getting ready to record



1. Select the tone that you want to use for performing (p. 18).

2. Press the [●] (Rec) button.

The [●] (Rec) button will light, the [▶/■] (Play/Stop) button will blink, and the HP508 will enter recording-standby mode.

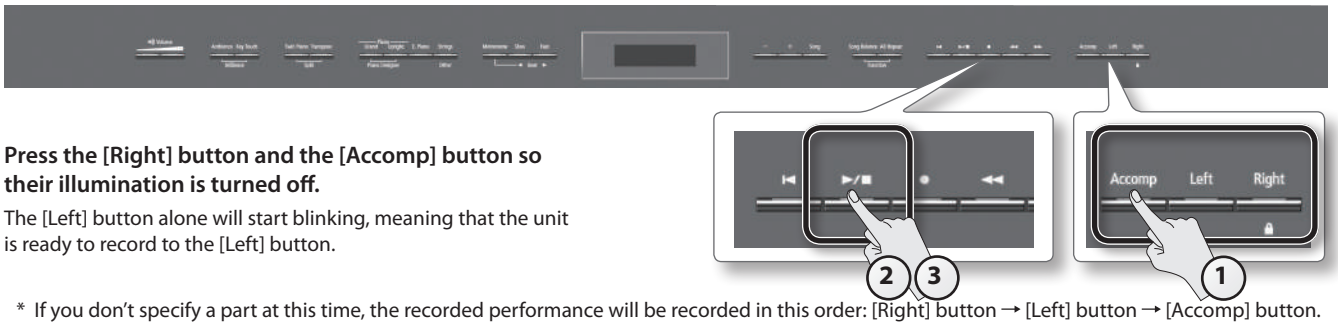
If you decide not to record, press the [●] (Rec) button once again.

3. If desired, sound the metronome (p. 26).

MEMO

If you change the metronome's tempo and time signature, they will be recorded with the song, allowing the metronome to sound correctly during playback.

Recording the left hand



1. Press the [Right] button and the [Accomp] button so their illumination is turned off.

The [Left] button alone will start blinking, meaning that the unit is ready to record to the [Left] button.

* If you don't specify a part at this time, the recorded performance will be recorded in this order: [Right] button → [Left] button → [Accomp] button.

* If you're using Twin Piano or Split Play, the left side or left-hand tone will be recorded to the [Left] button, and the right side or right-hand tone will be recorded to the [Right] button.

2. Press the [▶/■] (Play/Stop) button.

A two-measure count will sound (the measure number in the lower right of the display will indicate "-2," then "-1"), and then recording will start.

When recording starts, the [●] (Rec) button and [▶/■] (Play/Stop) button will light.

MEMO

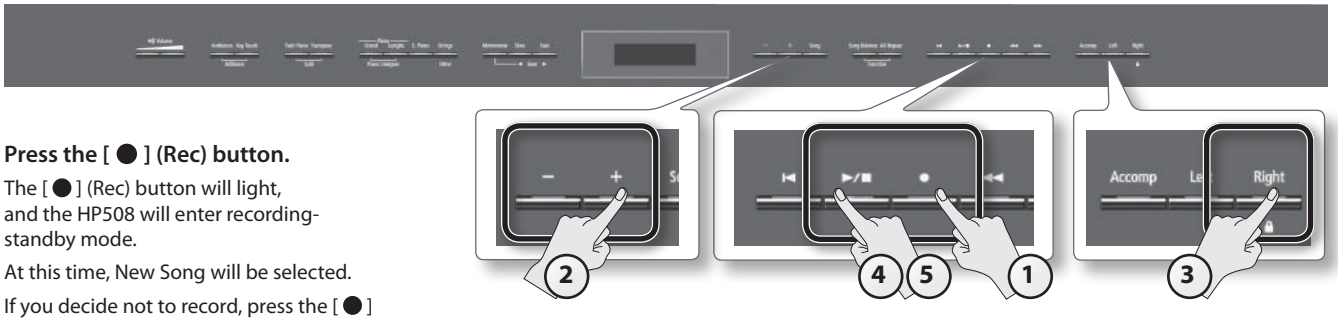
You can also initiate recording by playing the keyboard. In this case, the count will not sound.

3. Press the [▶/■] (Play/Stop) button.

Recording will stop, and a confirmation message will ask whether you want to save the recording.

4. Either save the performance or erase it (p. 33).

Overdubbing the right hand



1. Press the [●] (Rec) button.

The [●] (Rec) button will light, and the HP508 will enter recording-standby mode.

At this time, New Song will be selected.

If you decide not to record, press the [●] (Rec) button once again.

2. Reselect the song you saved earlier by pressing the [+] button.

MEMO

The song's tempo and time signature will be as they were when you recorded the left hand.

3. Press the [Right] button so it's blinking.

In this state, the right-hand performance will be recorded to the [Right] button. Leave the [Left] button lit.

NOTE

If you select a previously recorded part and then record, your new performance will overwrite that part; the previously recorded performance will be lost.

4. Press the [▶/■] (Play/Stop) button.

A two-measure count will be heard (the measure number will be shown as "-2" then "-1" in the lower right of the display), and then recording will start.

The previously recorded performance for the left hand will be played back, so you can listen to it while you play the right-hand part.

When recording starts, the [●] (Rec) button and [▶/■] (Play/Stop) button will light.

MEMO

You can also initiate recording by playing the keyboard. In this case, the count will not sound.

5. Press the [▶/■] (Play/Stop) button.

Recording will stop, and a confirmation message will ask whether you want to save or erase the recording.

6. Either save the performance or erase it (p. 33).

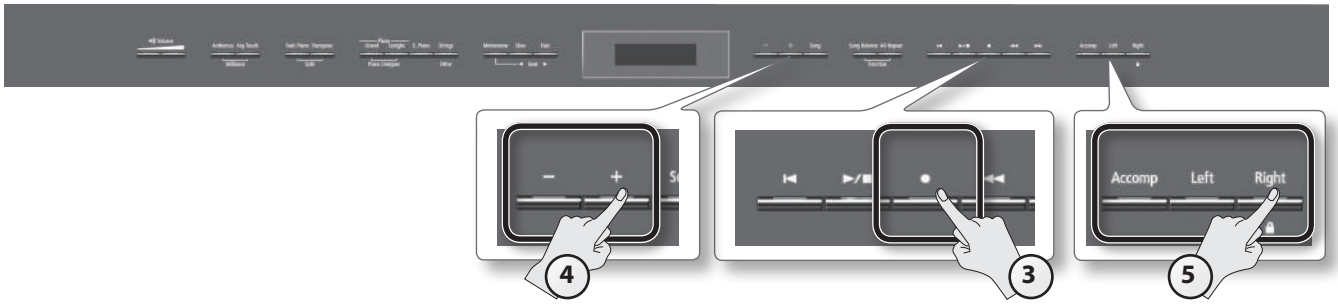
Recording a performance you play along with a song

Here's how you can record a performance that you play along with a song.

Getting ready to record

1. Select the tone that you want record (p. 18).

2. Select the song to be dubbed (p. 28).



3. Press the [●] (Rec) button.

The [●] (Rec) button will light, and the HP508 will enter recording-standby mode.

At this time, New Song will be selected.

If you decide not to record, press the [●] (Rec) button once again.

4. Reselect the song selected in step 2 by pressing the [+] button.

MEMO

The song's tempo and time signature will be according to the settings of the song you selected.

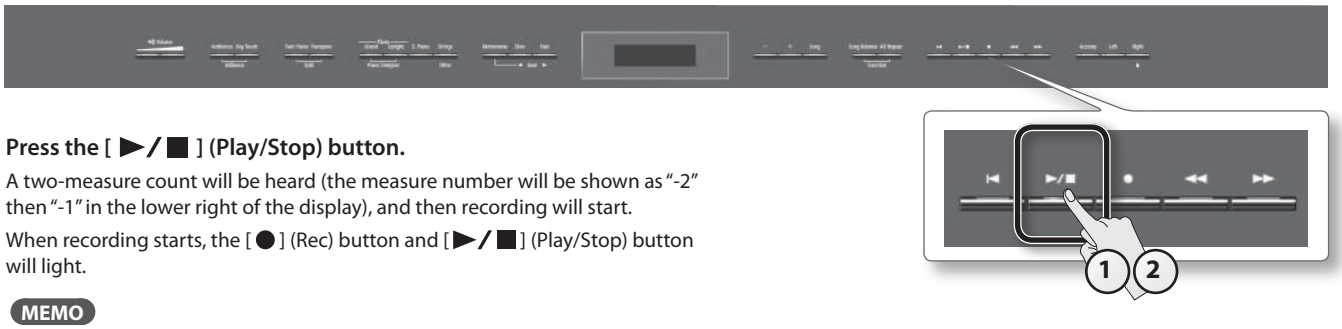
5. Press the part button of the part that you want to record, so it's blinking.

Parts whose buttons are lit will play back during recording.

MEMO

If you want to re-record only a portion of the song, use the [◀◀] (Bwd) button or [▶▶] (Fwd) button to move to the measure at which you want to start recording.

Starting/stopping recording



1. Press the [▶/■] (Play/Stop) button.

A two-measure count will be heard (the measure number will be shown as "-2" then "-1" in the lower right of the display), and then recording will start.

When recording starts, the [●] (Rec) button and [▶/■] (Play/Stop) button will light.

MEMO

You can also initiate recording by simply playing the keyboard. If you initiate recording by playing the keyboard, a count will not be sounded.

2. Press the [▶/■] (Play/Stop) button.

Recording will stop, and a confirmation message will ask whether you want to save or erase the recording.

3. Either save the performance or erase it (p. 33).

Converting a Song Recorded as an SMF to Audio

By converting a song recorded in the form of an SMF to audio, you'll be able to listen to it on your computer. You can also use your computer to burn the song to a music CD, or upload it to the Internet.

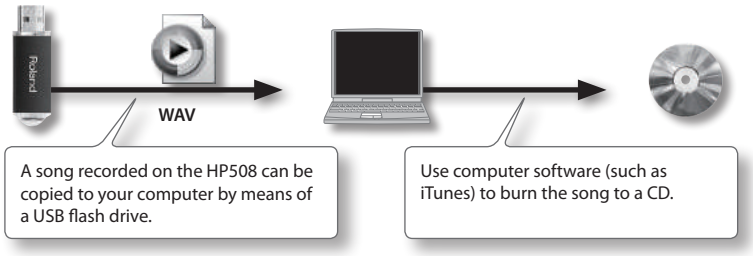
Copying an audio recording of a song to your computer page 39

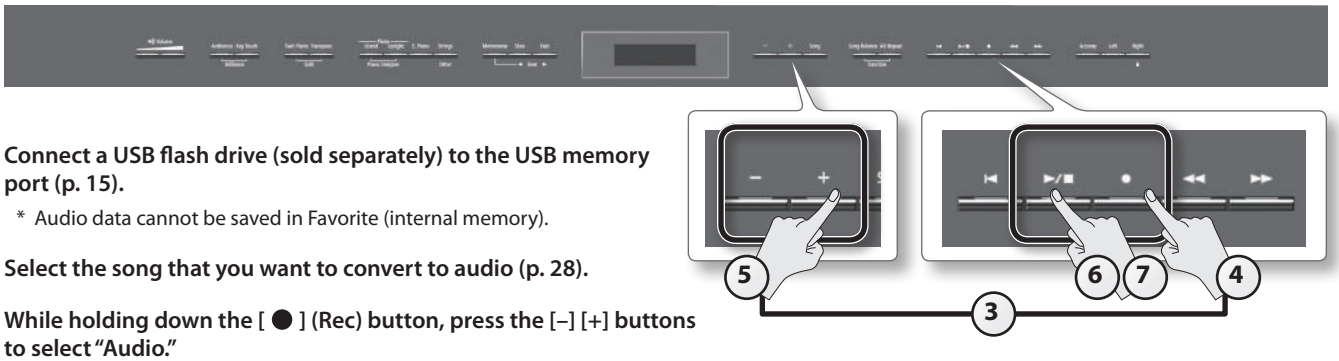
If you save an audio recording of a song on the USB flash drive, you'll be able to listen to it on your computer.

In order for an SMF song recording to be used on your computer, you'll need to convert it to audio (WAV file).

Audio recordings of songs are saved as WAVE files (16-bit, 44.1 kHz).

You can use your computer to burn them to a music CD or upload them to the Internet.





1. Connect a USB flash drive (sold separately) to the USB memory port (p. 15).

* Audio data cannot be saved in Favorite (internal memory).

2. Select the song that you want to convert to audio (p. 28).

3. While holding down the [●] (Rec) button, press the [–] [+] buttons to select "Audio."

4. Press the [●] (Rec) button.

The [●] (Rec) button will light, and the [▶/■] (Play/Stop) button will blink; the HP508 will enter converting-standby mode.

At this time, New Song will be selected.

If you decide not to convert, press the [●] (Rec) button once again.

5. Reselect the song selected in step 2 by pressing the [+] button.

6. Press the [▶/■] (Play/Stop) button.

The song will play back, and the conversion will begin.

MEMO

If, during conversion, you play the keyboard, input something via the USB port (USB MIDI), or input sound via the Input jack, all sound including those sounds will be converted. Muted parts will not be converted.

NOTE

- Never turn off the power or disconnect the USB flash drive during conversion.
- For some SMF recordings, it might not be possible to perfectly convert the recording in its original form.

7. Press the [▶/■] (Play/Stop) button.

Song playback will stop, and the section that was played back will be converted. A confirmation message will ask whether you want to save or erase the file.

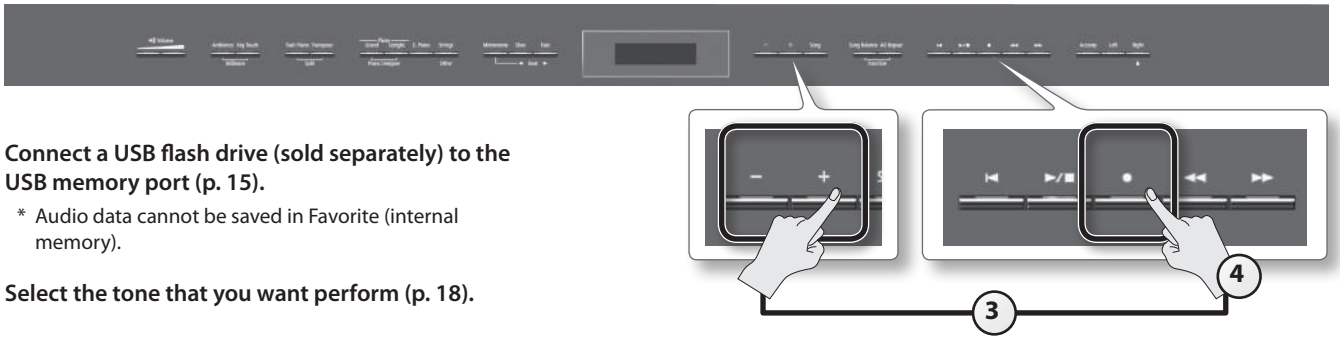
8. Either save the performance or erase it (p. 33).

Audio Recording

Here's how to record what you play on the HP508 as audio data. The recorded song can be used on your computer.

* Thanks to its multiple number of speakers, each of which can be used to play a different portion of the overall sound, the HP508 is capable of producing piano sounds that possess great depth and seem to have three-dimensional presence.
Such effects are produced when you play something on the keyboard, or when you play back a song that's been recorded as an SMF. However, when you make an audio recording, the song will consist of two channels (stereo), and such effects cannot be reproduced.

Preparing to record



1. Connect a USB flash drive (sold separately) to the USB memory port (p. 15).

* Audio data cannot be saved in Favorite (internal memory).

2. Select the tone that you want perform (p. 18).

3. While holding down the [●] (Rec) button, press the [–] [+] buttons to select "Audio."

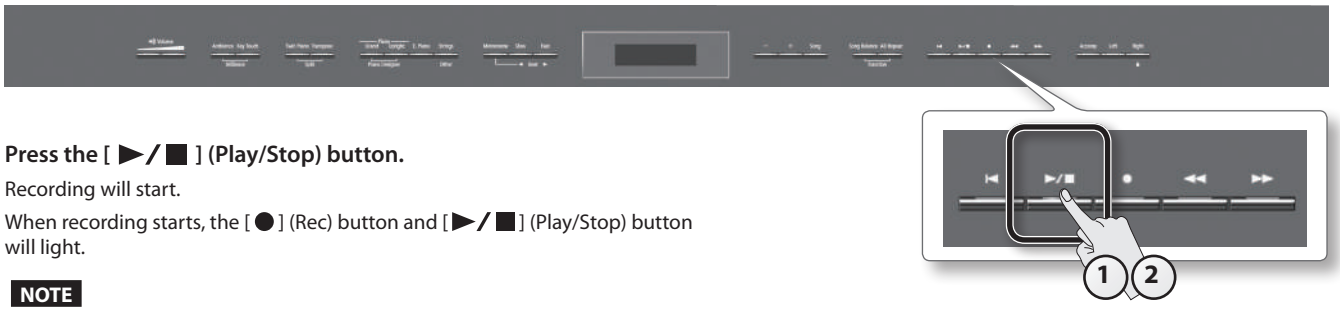
4. Press the [●] (Rec) button.

The [●] (Rec) button will light, the [▶/■] (Play/Stop) button will blink, and the HP508 will enter recording-standby mode.

If you decide not to record, press the [●] (Rec) button once again.

5. If desired, sound the metronome (p. 26).

Starting/stopping recording



1. Press the [▶/■] (Play/Stop) button.

Recording will start.

When recording starts, the [●] (Rec) button and [▶/■] (Play/Stop) button will light.

NOTE

Never turn off the power or disconnect the USB flash drive during recording.

2. Press the [▶/■] (Play/Stop) button.

Recording will stop, and a confirmation message will ask whether you want to save or erase the recording.

3. Either save the performance or erase it (p. 33).

Transposing a Song for Easier Performance (Audio Transpose)

An audio recording of a song, or a song from a digital audio player connected to the Input jack can be transposed to make it play back in a different key. You can play the keyboard while listening to the transposed sound.

1. Press the [Transpose] button.

The [Transpose] button will light.

2. While holding down the [–] [+] buttons, press the [–] [+] buttons.

The display will indicate the amount of transposition.

Screen	Value	Explanation
	-6–0–5 (semitone units) (default: 1)	Positive (+) values raise the pitch in semitone steps, and negative (-) values lower the pitch in semitone steps.

MEMO

- With the factory settings, transposition will be applied to the selected audio file and the sound of the digital audio player connected to the Input jack, as well as to the sound of the keyboard. If you want transposition to affect only the keyboard or only the audio file and the sound from the Input jack, make the appropriate setting as described in "Specifying What the Transpose Will Affect (Transpose Mode)" (p. 51).
- You can also use the Function mode's "Audio Transpose" setting to change the amount of transposition (p. 51).

* If you select a different song, the audio transposition setting will be canceled.

3. To cancel the transposition, press the [Transpose] button once again.

The [Transpose] button will go out.

Enjoying Karaoke with an Audio File (Center Cancel)

When playing back an audio file, you can minimize the sounds that are heard from the center. For example, this allows you to minimize the melody or vocal on a music CD, so that you can play or sing that part instead.

MEMO

Center Cancel will apply both to the selected audio file and to the digital audio player that's connected to the Input jack.

* For some songs, it might not be possible to completely eliminate the melody sound.

1. Press the [Right] button.

The [Right] button will go out, and the melody sound will be minimized.

MEMO

You can also use the Function mode's "Center Cancel" setting to turn this off (p. 51).

* The Center Cancel setting will turn off if you select a different song.

2. When you want the sound to be heard, press the [Right] button once again.

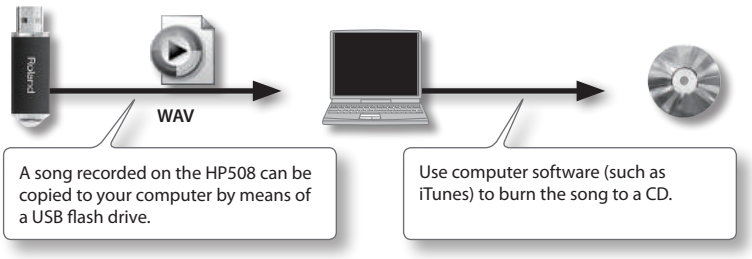
The [Right] button will light.

Burning an Audio Recording of a Song (WAV file) to a CD

After an audio recording of a song has been saved to the USB flash drive, you can copy it to your computer and burn it to a CD. If you want to burn a CD from a song that you recorded as an SMF, you must first convert it to audio (WAV file) (p. 36).

In order to burn a CD on your computer, you'll need software such as "iTunes."

For details, refer to the owner's manual or the online help of your software.



Copy the recorded song to your computer

1. Connect the USB flash drive containing the song to your computer.

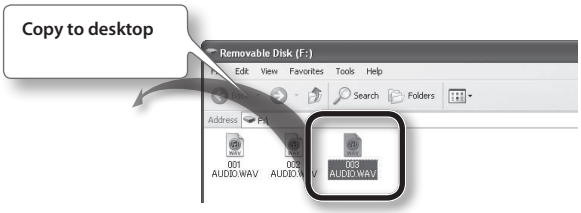
If you're using Windows, a "Removable disk" icon will appear in "Computer." If you're using Mac OS X, a "NO NAME" icon will appear on the desktop.

2. Double-click the icon that appeared.

The contents of the USB flash drive will be displayed.

The audio recording of the song (WAV file) will be among the contents.

3. Copy the song (WAV file) that you want to burn to CD to your computer's desktop or another location where you can easily find it.

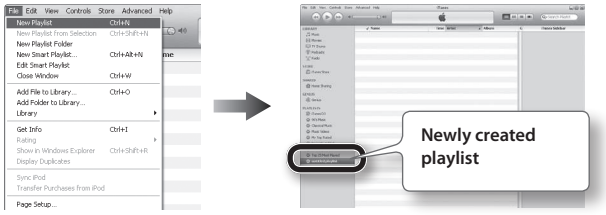


Use iTunes to burn the song to CD

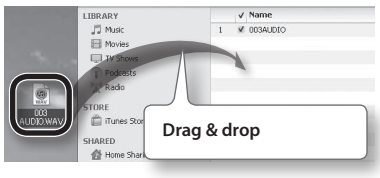
The following explanation uses iTunes 10 for Windows. If you're using a different version or other software, refer to its online help or owner's manual.

1. From the Start menu, click [All Programs] - [iTunes].

2. From the iTunes [File] menu, click [New Playlist] to create a playlist.

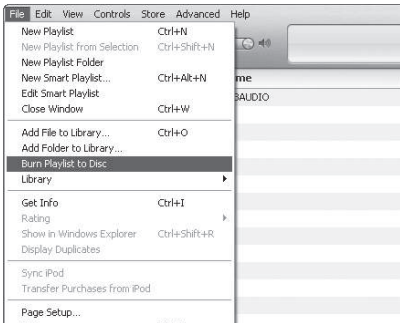


3. From the desktop (or other location) where you copied it, drag and drop the song (WAV file) to add it to the playlist you created in step 2.

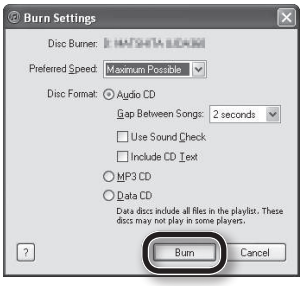


4. Insert a blank CD-R into your computer.

5. Select the playlist that you created in step 2, and in the [File] menu, click [Burn playlist to Disc].



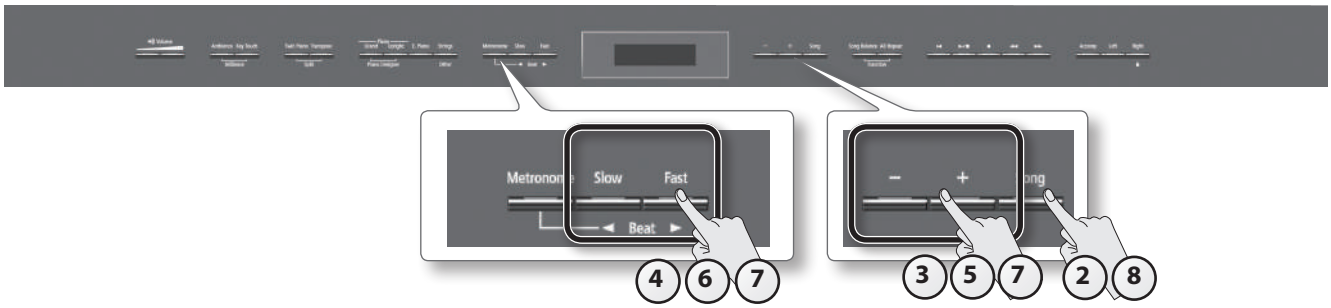
6. Make the appropriate settings in the disc creation dialog box, and then click the [Burn] button.



Saving a Song with the Name You Specify

Immediately after you've finished recording, you can save the song to the memory, song number, and song name that you specify.

* If you want to save to the USB flash drive (sold separately), connect your USB flash drive to the USB memory port before you continue.



1. Make sure that you've finished recording, and that the screen shown at the right is displayed.

2. Press the [Song] button.

The media select screen will appear.

3. Use the [–] [+] buttons to select the save-destination media.

Indication	Save-destination media
Favorite	Internal memory
USB Memory	USB flash drive

* If a USB flash drive (sold separately) is not connected, you won't be able to select "USB Memory."

4. Press the [▶] (Fast) button.

A screen will appear, allowing you to select the song number of save destination.

5. Use the [–] [+] buttons to select the song number of save destination.

No song has been saved in song numbers shown as (Empty) in the song name column.

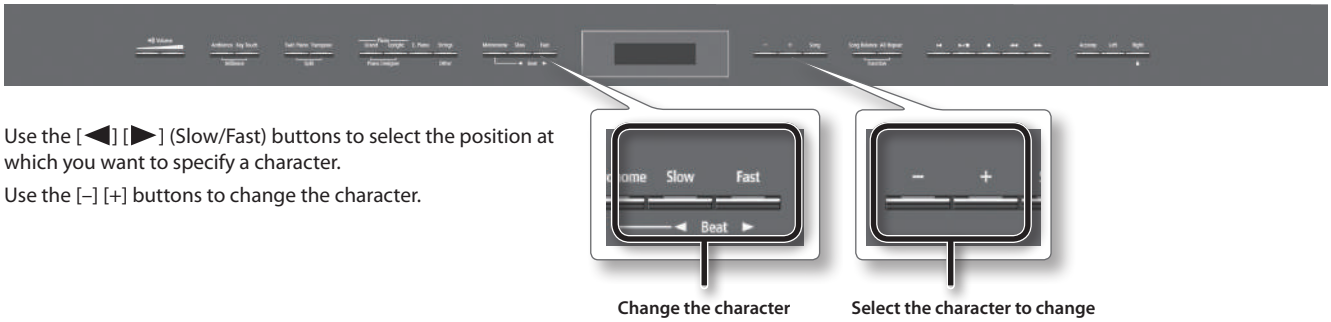
Choose a song number in which no song has been saved.

If you want to save your song by overwriting an existing song you no longer need, select the song number of that unwanted song.

6. Press the [▶] (Fast) button.

A screen will appear, allowing you to specify a name for your song.

7. Edit the name using the buttons shown in the illustration below.



Use the [◀] [▶] (Slow/Fast) buttons to select the position at which you want to specify a character.

Use the [–] [+] buttons to change the character.

8. Press the [Song] button to save the song.

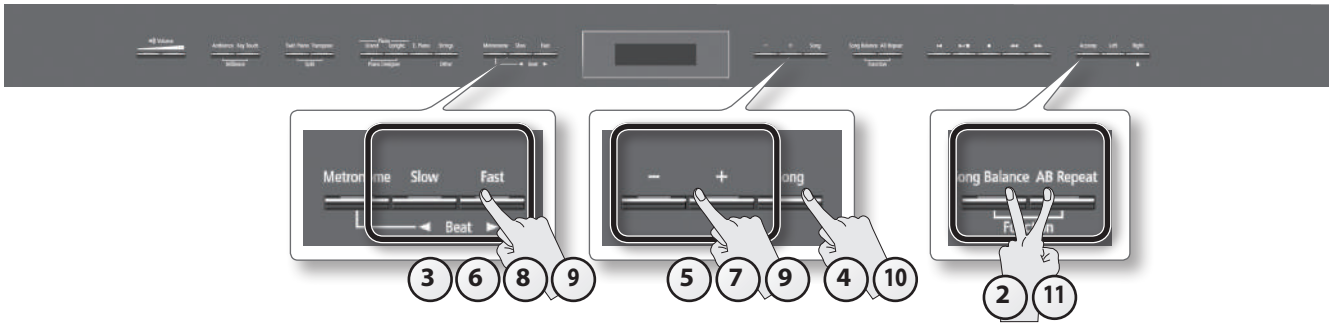
If you decide not to save the song, press the [Metronome] button.

NOTE

Never turn off the power or disconnect the USB flash drive while the screen indicates "Executing..."

Renaming a Song

Here's how to rename a song you're saved.



1. Select the song that you want to rename (p. 28).

2. While holding down the [Song Balance] button, press the [AB Repeat] button.

The [Song Balance] button and [AB Repeat] button will light, and the HP508 will enter Function mode.

3. Use the [◀] [▶] (Slow/Fast) buttons to select "Save Song."

4. Press the [Song] button.

The media select screen will appear.

If you decide not to rename the song, press the [Metronome] button.

5. Use the [–] [+] buttons to select the save-destination media.

6. Press the [▶] (Fast) button.

A screen will appear, allowing you to select the song number of save destination.

7. Use the [–] [+] buttons to select the song number of save destination.

No song has been saved in song numbers shown as (Empty) in the song name column.

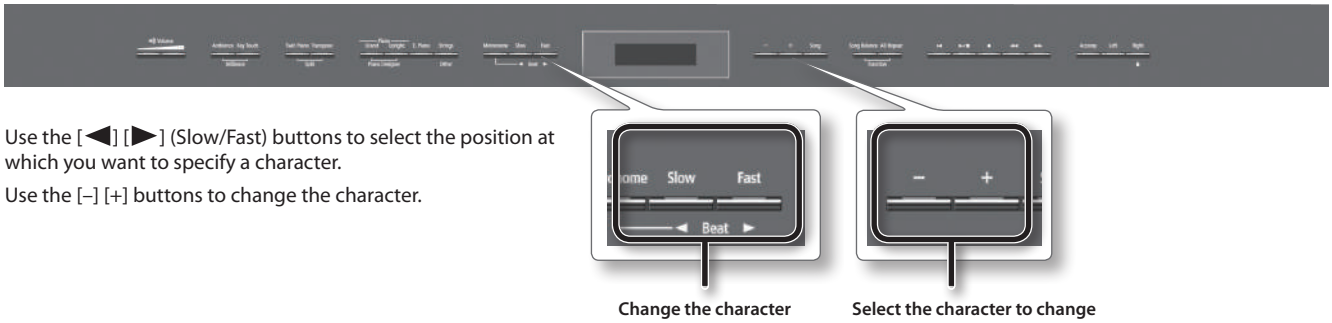
Choose a song number in which no song has been saved.

If you want to save your song by overwriting an existing song you no longer need, select the song number of that unwanted song.

8. Press the [▶] (Fast) button.

A screen will appear, allowing you to specify the song name.

9. Edit the song name using the buttons shown in the illustration below.



Use the [◀] [▶] (Slow/Fast) buttons to select the position at which you want to specify a character.

Use the [–] [+] buttons to change the character.

10. Press the [Song] button to save the song.

If you decide not to rename the song, press the [Metronome] button.

When the song has been renamed, you will return to the screen of step 3.

NOTE

Never turn off the power or disconnect the USB flash drive while the screen indicates "Executing..."

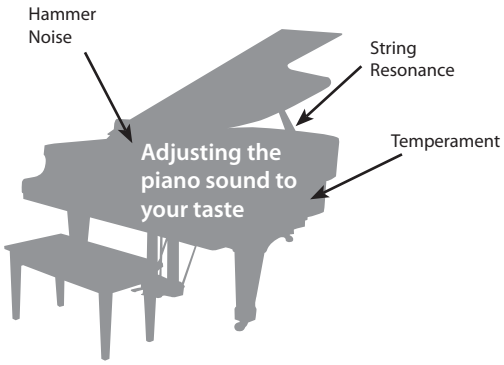
11. Press the [Song Balance] button or the [AB Repeat] button to finish the procedure.

Personalizing Your Piano Sound (Piano Designer)

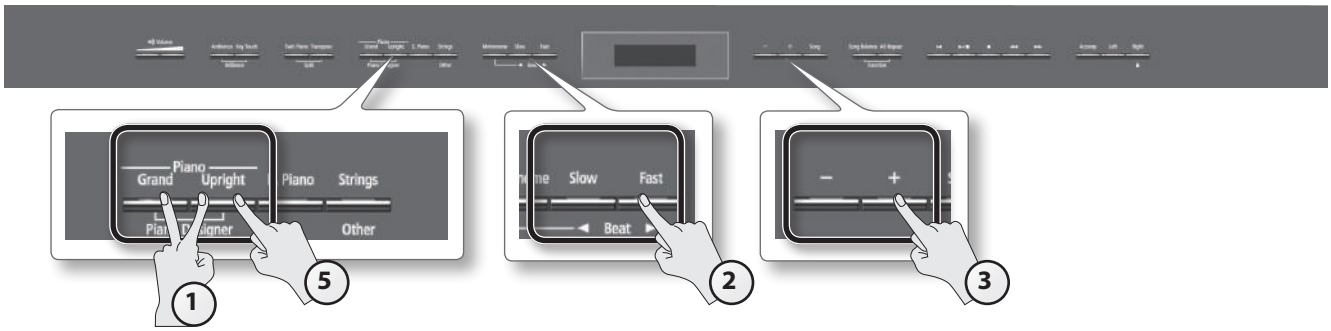
What is Piano Designer?

The HP508 allows you to personalize your piano sound by adjusting various factors that affect the sound, such as the piano's strings, the resonance produced using the pedals, and the sound of the hammers striking the strings.

This function is called "Piano Designer."



Making Detailed Adjustments to the Piano Sound



1. While holding down the Piano [Grand] button, press the Piano [Upright] button.

The Piano Designer screen will appear.

The "ConcertPiano" tone will be selected.

2. Press the [◀] [▶] (Slow/Fast) buttons to select the item that you want to edit.

3. Use the [–] [+] buttons to adjust the value.

4. Repeat steps 2–3 to adjust the piano sound to your taste.

5. When you're finished using Piano Designer, press the Piano [Grand] button or the Piano [Upright] button.

Saving your settings

The HP508's settings will revert to the default values when you turn off the power, but you can save them as described in "Retaining the Settings Even After Power-off (Memory Backup)" (p. 44).

Piano designer parameter

Parameter	Value	Description
Lid	**0–6** (default: 4)	Adjusts the extent to which the lid of the grand piano is open. The sound will become more mellow as you close the lid of the piano in the screen. The sound will become brighter as you open the lid of the piano in the screen.
Damper Resonance	**Off, 1–10** (default: 5)	This adjusts the damper resonance of the acoustic piano sound (the sympathetic vibration produced in strings other than those actually played when you press the damper pedal). Higher settings will make the sympathetic vibration louder.
Hammer Noise	**-2–0–2** (default: 0)	This adjusts the sound produced when the hammer of an acoustic piano strikes the string. Higher settings will produce a louder sound of the hammer striking the string.
Hammer Response	**Off, 1–10** (default: 2)	This adjusts the time from when you play a key until the piano sound is heard. Higher settings will produce slower response.
Duplex Scale	**Off, 1–10** (default: 5)	This adjusts the sympathetic vibrations of an acoustic piano's Duplex Scale. Higher settings will make the sympathetic vibration louder.
Dynamic Harmonic	**Off, 1–10** (default: 5)	This adjusts the metallic resonance that is produced when you play strongly on an acoustic piano. Higher settings will produce a louder metallic sound.
String Resonance	**Off, 1–10** (default: 5)	This adjusts the string resonance of the acoustic piano sound (the sympathetic vibrations of strings for previously played notes that occur when you play another note). Higher settings will make the sympathetic vibration louder.

Parameter	Value	Description
Key Off Resonance	**Off, 1–10** (default: 5)	This adjusts sympathetic vibrations such as an acoustic piano's key-off sound (the subtle sound that occurs when you release a note). Higher settings will make the sympathetic vibration louder.
Cabinet Resonance	**Off, 1–10** (default: 4)	Adjusts the body resonance of the grand piano itself. Higher values will produce a larger body resonance.
Soundboard Behavior	**Off, 1–10** (default: 5)	When you play a chord, this setting improves the clarity of the individual notes in the chord, creating a more beautiful resonance. Higher settings produce a clearer resonance.
Damper Noise	**Off, 1–10** (default: 4)	This adjusts the damper noise of the acoustic piano sound (the sound of the damper releasing the strings when you press the damper pedal). * No damper noise will be heard if Damper Resonance is set to "Off."
Master Tuning	**415.3–440.0–466.2 Hz** (default: 440.0 Hz)	This adjusts the HP508's standard pitch (the pitch of the middle A note). When playing ensemble with other instruments and in other such instances, you can match the standard pitch to another instrument. The standard pitch generally refers to the pitch of the note that's played when you finger the middle A key. For a cleaner ensemble sound while performing with one or more other instruments, ensure that each instrument's standard pitch is in tune with that of the other instruments. This tuning of all the instruments to a standard pitch is called "master tuning."
Temperament	**Equal, Just Major, Just Minor, Pythagorean, Kirnberger, Meantone, Werckmeister, Arabic** (default: Equal)	You can play classical styles such as Baroque using historic temperaments (tuning methods). Most modern songs are composed for and played in equal temperament, the most common tuning in use today. But at one time, there were a wide variety of other tuning systems in existence. By playing in the temperament that was in use when a composition was created, you can experience the sonorities of chords originally intended for that song. For details, refer to "Temperaments."
Temperament Key	**C–B** (default: C)	When playing with tuning other than equal temperament, you need to specify the temperament key for tuning the song to be performed (that is, the note that corresponds to C for a major key or to A for a minor key). If you choose an equal temperament, there's no need to select a temperament key.
Stretch Tuning	**Off, Preset 1, Preset 2, User (User: -50–0–+50)** (default: Preset 1)	This lets you specify the amount of "stretch tuning," a tuning method specifically for pianos, in which the high range is tuned slightly sharper, and the low range is tuned slightly flatter. If you select "User," you'll be able to edit the stretched tuning yourself. Play the key whose pitch you want to adjust, then use the [–] [+] buttons to adjust its pitch.
Note Volume	**Off, User (User: -50–0)** (default: Off)	This lets you adjust the volume of each individual key. Higher settings will make the volume louder. If you select "User," you'll be able to edit the Note Volume settings. Press the key whose volume you want to adjust, and use the [–] [+] buttons to adjust its volume.
Note Character	**Off, User (User: -5–0–+5)** (default: Off)	This lets you adjust the tonal character of each individual key. Higher settings will make the tone harder, and lower settings will make the tone softer. If you select "User," you'll be able to adjust the Note Character settings. Press the key whose tone you want to adjust, and use the [–] [+] buttons to adjust its tone.
Piano Designer Demo	For some parameters, you can listen to a demo song. **1. In step 2, choose "Piano Designer Demo."** **2. Press the [Song] button.** **3. Use the [◀] [▶] (Slow/Fast) buttons to select the type of demo.** **4. Press the [▶/■] (Play/Stop) button.** The demo will begin.	

Temperaments

Temperament	Qualities
Equal	In this tuning, each octave is divided into twelve equal steps. Every interval produces about the same amount of slight dissonance.
Just Major	This tuning eliminates ambiguities in the fifths and thirds. It is unsuited to playing melodies and cannot be transposed, but is capable of beautiful sonorities.
Just Minor	The Just tunings differ from major and minor keys. You can get the same effect with the minor scale as with the major scale.
Pythagorean	This tuning, devised by the philosopher Pythagoras, eliminates dissonance in fourths and fifths. Dissonance is produced by third-interval chords, but melodies are euphonious.
Kirnberger	This is an improvement of the Meantone and Just tunings that provides a high degree of freedom of modulation. Performances are possible in all keys (III).
Meantone	This scale makes some compromises in just intonation, enabling transposition to other keys.
Werckmeister	This temperament combines the Meantone and Pythagorean tunings. Performances are possible in all keys (first technique, III).
Arabic	This tuning is suitable for the music of Arabia.

What is the duplex scale?

The Duplex Scale is a system of sympathetically vibrating strings sometimes included in grand pianos.

These sympathetically vibrating strings are not struck directly with hammers, but sound by vibrating in sympathy with the vibrations of other strings. By resonating with the overtones, these strings add richness and brilliance to the sound. These sympathetic strings are added only to the high register above approximately C4. Since they do not have a damper (a mechanism that stops them from sounding), they will continue sounding even after you play a note and then release it to stop the sound of the string that was actually struck.

Adjusting the Brightness of the Display (Display Contrast)

You can adjust the brightness of the HP508's display.

1. **While holding down the [Song Balance] button, press the [AB Repeat] button.**

2. **Use the [◀] [▶] (Slow/Fast) buttons to select "Display Contrast."**

3. **Use the [–] [+] buttons to change the setting.**

Value
1–10 (default: 5)

* This setting is automatically stored in the HP508.

4. **Press the [Song Balance] button or the [AB Repeat] button to finish the procedure.**

Making the Power Automatically Turn Off After a Time (Auto Off)

⚠ WARNING

With the factory settings, the HP508's power will automatically be switched off 30 minutes after you stop playing or operating the unit.

If you don't need the power to turn off automatically, set "Auto Off" to the "Off" setting as described below.

1. **While holding down the [Song Balance] button, press the [AB Repeat] button.**

2. **Use the [◀] [▶] (Slow/Fast) buttons to select "Auto Off."**

3. **Use the [–] [+] buttons to change the setting.**

Value	Explanation
Off	The power will not turn off automatically.
10	The power will automatically turn off if no operation is performed for 10 minutes.
30 (default)	The power will automatically turn off if no operation is performed for 30 minutes.
240	The power will automatically turn off if no operation is performed for 240 minutes (4 hours).

* This setting is automatically stored in the HP508.

4. **Press the [Song Balance] button or the [AB Repeat] button to finish the procedure.**

NOTE

When turning the unit's power back on after it has been shut down due to the Auto Off function, always make sure to allow at least five seconds to pass after the power has been shut off before you turn the power back on. If you turn it back on too rapidly, the Auto Off function will not have had enough time to reset itself, and you may not be able to turn on the power in the normal way.

Retaining the Settings Even After Power-off (Memory Backup)

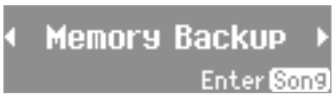
The settings of the HP508 will return to their factory-set state when you turn off the power. However, you can store the settings so that they will be retained even after the power is turned off.

This is called the "memory backup" function.

Parameters Stored in Memory Backup	Page
Piano designer settings	p. 42
Ambience (on/off, depth)	p. 22
Brilliance (depth)	p. 23
Split Point	p. 21
Twin Piano mode	p. 24
Key Touch (on/off, value)	p. 23
Dual Balance	p. 50
Transpose Mode	p. 51
Headphones 3D Ambience	p. 50
Damper Pedal Part	p. 51
MIDI Transmit Channel	p. 52
Visual Control Channel	p. 53
Volume Limit	p. 54
Language	p. 54

1. **While holding down the [Song Balance] button, press the [AB Repeat] button.**

2. **Use the [◀] [▶] (Slow/Fast) buttons to select "Memory Backup."**



3. **Press the [Song] button.**

The Memory Backup screen will appear.

4. **Press the [▶] (Fast) button to select "Yes."**

Memory backup will begin.

If you decide to cancel without executing, press the [◀] (Slow) button to select "No."

When the memory backup has been completed, the screen of step 2 will appear.

NOTE

Never turn off the power while the screen indicates "Executing..."

5. **Press the [Song Balance] button or the [AB Repeat] button to finish the procedure.**

Restoring the Factory Settings (Factory Reset)

Settings that you've stored using the Memory Backup function (p. 44) can be returned to their factory-set state. This is called the "factory reset" function.

NOTE

When you execute "Factory Reset," all stored settings will be erased and returned to the factory settings.

MEMO

This function will not erase the songs from Favorite (internal memory) or the USB flash drive (sold separately).
If you want to erase Favorite or the USB flash drive, "Initializing the Memory (Format Media)" (p. 46).

1. While holding down the [Song Balance] button, press the [AB Repeat] button.

2. Use the [◀] [▶] (Slow/Fast) buttons to select "Factory Reset."

3. Press the [Song] button.

The Factory Reset screen will appear.

4. Press the [▶] (Fast) button to select "Yes."

Factory reset will begin.

If you decide to cancel without executing, press the [◀] (Slow) button to select "No."

When the factory reset has been completed, the screen will indicate "Power Off, then On."

NOTE

Never turn off the power while the screen indicates "Executing..."

5. Turn the power off, then on again (p. 17).

Copying a Saved Song (Copy Song)

Songs that have been saved in Favorite (internal memory) can be copied to the USB flash drive (sold separately). Alternatively, songs stored on the USB flash drive can be copied to Favorite.

* Audio files cannot be copied.
* If a USB flash drive (sold separately) is not connected, you won't be able to perform this operation.

1. While holding down the [Song Balance] button, press the [AB Repeat] button.

2. Press the [◀] [▶] (Slow/Fast) button to choose "Copy Song."

3. Press the [Song] button.

The Copy Song screen will appear.

If you decide not to copy the song, press the [Metronome] button.

4. Use the [–] [+] buttons to select the copy-source and copy-destination memory locations.

5. Press the [▶] (Fast) button.

6. Press the [–] [+] button to select the song that you want to copy.

MEMO

If you choose "Copy All," all songs except for audio files in the copy-source memory will be copied.

7. Press the [▶] (Fast) button.

8. Use the [–] [+] buttons to select the copy-destination number.

No song has been saved at song numbers for which (Empty) is shown as the song name.

Select a song number at which no song has been saved.

If you want to delete an unwanted song and replace it with the song you're copying, select the unwanted song number.

9. Press the [Song] button to copy the song.

If you decide not to copy, press the [Metronome] button.

Once the song has been copied, you'll be returned to the screen of step 2.

NOTE

Never turn off the power or disconnect the USB flash drive while the screen indicates "Executing..."

10. Press the [Song Balance] button or the [AB Repeat] button to finish the procedure.

Deleting a Saved Song (Delete Song)

Here's how to delete a song that you saved on an Favorite (internal memory) or the USB flash drive (sold separately).

MEMO

If you want to delete all songs that have been saved to Favorite, initialize the memory.

* If you want to delete a song on the USB flash drive (sold separately), connect your USB flash drive to the USB memory port before you continue.

1. While holding down the [Song Balance] button, press the [AB Repeat] button.

2. Use the [◀] [▶] (Slow/Fast) buttons to select "Delete Song."

3. Press the [Song] button.

The Delete Song screen will appear.

If you decide not to delete the song, press the [Metronome] button.

4. Use the [–] [+] buttons to select the memory location that contains the song you want to delete.

5. Press the [▶] (Fast) button.

6. Use the [–] [+] buttons to select the song that you want to delete.

7. Press the [Song] button.

A confirmation message will appear.

8. Press the [▶] (Fast) button to select "Yes."

Deletion of the song will begin.

If you decide not to delete, press the [◀] (Slow) button.

Once the song is deleted, you'll be returned to the screen you were in at step 2.

NOTE

Never turn off the power or disconnect the USB flash drive while the screen indicates "Executing..."

9. Press the [Song Balance] button or the [AB Repeat] button to finish the procedure.

Initializing the Memory (Format Media)

Here's how you can completely erase all songs that were saved in Favorite (internal memory) or the USB flash drive (sold separately).

NOTE

- Once an initialization is performed, all songs that have been saved in Favorite (internal memory) or the USB flash drive will be erased. The erased data cannot be recovered, so we recommend that you check the contents of memory before you proceed.
- If you're using new USB flash drive (sold separately) with the HP508 for the first time, you'll need to initialize (format) the USB flash drive before using it. The HP508 can't use USB flash drive that has not been initialized.

If you want to format USB flash drive, connect the USB flash drive to the USB memory port (p. 15).

1. While holding down the [Song Balance] button, press the [AB Repeat] button.

2. Use the [◀] [▶] (Slow/Fast) buttons to select "Format Media."

3. Press the [Song] button.

The Format Media screen will appear.

If you decide not to proceed with the format, press the [Metronome] button.

4. Use the [–] [+] buttons to select the memory that you want to initialize.

5. Press the [Song] button.

A confirmation message will appear.

6. Press the [▶] (Fast) button to select "Yes."

Formatting of the media will begin.

If you decide not to initialize, press the [◀] (Slow) button.

Once the initialization is finished, you'll be returned to the screen you were in at step 2.

7. Press the [Song Balance] button or the [AB Repeat] button to finish the procedure.

Caution when initializing the memory

- Never turn off the power while "Executing..." is shown in the display.
- If the screen indicates "Error," please refer to "Error Messages" (p. 61).
- Initializing the HP508's Favorite will not initialize settings other than the contents of Favorite. If you want to return settings other than the contents of Favorite to their factory-set condition, execute the Factory Reset operation (p. 45).
- Don't disconnect the USB flash drive until USB flash drive initialization has been completed.

Disabling the Buttons (Panel Lock)

When you activate Panel Lock, all buttons except for the [Volume] buttons will be disabled.

This prevents the tones or settings from being changed if you inadvertently press a button.

1. Hold down the [Right] button until the upper right of the display shows a " 🔒 " symbol.

Panel Lock will be activated.

All button operations will be disabled.

2. To cancel Panel Lock, once again hold down the [Right] button until the " 🔒 " symbol disappears.

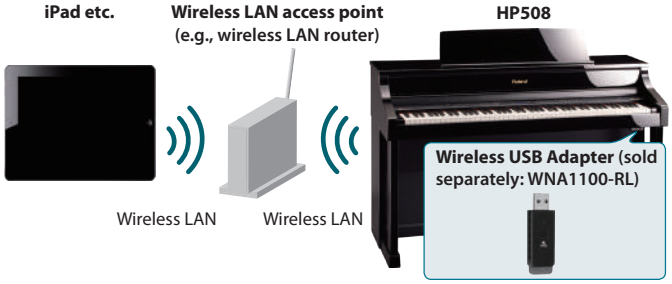
Panel Lock will also be cancelled when you turn off the power.

* If you activate Panel Lock while a song is playing, playback will stop.

* You can't active Panel Lock during recording, while in Function mode (p. 50), or during Tone Demo (p. 18).

About the Wireless LAN Function

By inserting the wireless USB Adapter (WNA1100-RL; sold separately) into the HP508's USB MEMORY port, you'll be able to use wireless-compatible applications (such as the "Piano Partner" iPad app).



Items required to use the wireless LAN function

- Wireless USB Adapter (sold separately: WNA1100-RL)
- Wireless LAN access point (e.g., wireless LAN router) *1 *2 *3
- iPad etc.

*1 The wireless LAN access point you use must support WPS. If your wireless LAN access point does not support WPS, you can connect using the procedure described in "Connecting to a Wireless LAN Access Point That You Select (Select AP)" (p. 48).

*2 The ability to connect with all kinds of wireless LAN access points is not guaranteed.

*3 If you're unable to connect to the wireless LAN access point, try connecting using Ad-Hoc mode (p. 49).

*4 Depending on the wireless LAN system that you're using, you might be unable to connect, or the connection might be dropped.

*5 Depending on the wireless device used by the wireless LAN function, noise might be heard from the HP508. In this case, you may be able to improve the situation by moving the wireless device away from the HP508, or by changing the wireless connection mode (basic WPS / ad-hoc mode).

*6 The sound and functionality might be temporarily affected while a connection is being established; this is not a malfunction.

Basic Connection Method (Connect by WPS)

The first time you connect the HP508 to a wireless network, you'll need to perform the following procedure (WPS) to join the wireless network.

This procedure is required only the first time. (Once you've joined the network, this procedure will no longer be necessary.)

What is WPS?

This is a standard that makes it easy to make security settings when connecting to a wireless LAN access point. We recommend that you use WPS when connecting to a wireless LAN access point.

1. Insert the wireless USB Adapter (WNA1100-RL; sold separately) into the HP508's USB MEMORY port.

2. While holding down the [Song Balance] button, press the [AB Repeat] button.

3. Press the [◀] [▶] (Slow/Fast) buttons to select the "Wireless," then press the [Song] button.

4. Press the [◀] [▶] (Slow/Fast) buttons to select the "Connect," then press the [Song] button.

5. Press the [◀] [▶] (Slow/Fast) buttons to select the "WPS," then press the [Song] button.

"Connect OK?" will appear.

6. Perform the WPS operation on your wireless LAN access point (e.g., press the WPS button on your wireless LAN access point).

For details on WPS operation of your wireless LAN access point, refer to the documentation for your wireless LAN access point.

7. Press the [▶] (Fast) button of the HP508.

Once successfully connected, "Completed" will appear.

* If you fail to connect, refer to "For problems related to communication" (p. 57).

8. Press the [Song Balance] or [AB Repeat] button to exit Function mode.

NOTE

The device (e.g., iPad) running the app must be connected to the same network.

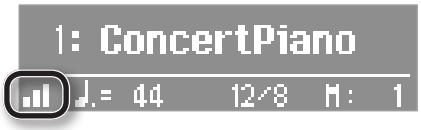
MEMO

- The connection data is stored in memory when you perform the WPS procedure; the device will automatically connect to the wireless network the next time.
- All connection data will be erased if you perform a factory reset.

This completes the procedure necessary for joining the wireless network. You can use the wireless connection from an iPad app such as Piano Partner.

Icons in the display

The wireless LAN status is shown in the lower left part of the display.



Icon	Explanation
	Currently connected to the wireless LAN access point. Three bars are used to indicate the signal level (the strength of the connected wireless LAN access point's radio signal).
	The wireless USB adapter is inserted, but not connected with a wireless LAN access point.
	The wireless USB adapter is not inserted (nothing is displayed).
	Ad-Hoc mode (p. 49).

Wireless LAN Function Settings

You can view or edit the wireless settings.

Basic Operation

1. **While holding down the [Song Balance] button, press the [AB Repeat] button.**
2. **Press the [◀] [▶] (Slow/Fast) buttons to select the "Wireless," then press the [Song] button.**
3. **Press the [◀] [▶] (Slow/Fast) buttons to select menu, then press the [Song] button.**

Menu	Explanation
Status	This shows the wireless LAN status.
Connect	Connect to a wireless LAN access point.
Option	Make settings for Wireless ID or Ad-Hoc mode (p. 49).

In the explanations in this chapter, procedures will be indicated using arrows, like this: **"Wireless" → "Status."**

Status Indication

This shows the wireless LAN status.

1. **Select "Wireless" → "Status."**

The status screen will appear.

Display	Explanation
Access Point	Currently connected to the wireless LAN access point. Three bars are used to indicate the signal level (the strength of the connected wireless LAN access point's radio signal). The identifier (name) of the connected wireless LAN access point is shown.
Now Connecting	A connection with the wireless LAN access point is being established.
Not Connected	The wireless USB adapter is inserted, but not connected to a wireless LAN access point.
Not Available	The wireless USB adapter is not inserted.
Ad-Hoc SSID	Ad-Hoc mode (p. 49). The Ad-Hoc SSID is shown. Press the [▶] (Fast) button to display the Ad-Hoc key. For details, refer to "Connecting in Ad-Hoc Mode" (p. 49).

2. **Press the [▶] (Fast) button to display the IP address.**

Connecting to a Wireless LAN Access Point That You Select (Select AP)

This method lets you connect by choosing a wireless LAN access point from the list that is displayed.

* Wireless standards 802.11g/n (2.4 GHz) and authentication methods WPA/WPA2 are supported.

1. **Select "Wireless" → "Connect" → "Select AP," then press the [Song] button.**

The Select Access Point screen will appear.

An "*" symbol is shown for the currently-connected wireless LAN access point.

2. **Press the [–] [+] button to choose the wireless LAN access point to which you want to connect, and press the [Song] button.**
   - You will be connected to the selected wireless LAN access point.
   - If you're using this wireless LAN access point for the first time, you'll proceed to the Passphrase screen.
   - If this is a wireless LAN access point to which you have connected in the past, just press the [Song] button and you'll be connected. Once successfully connected, "Completed" will appear.

Passphrase screen

3. **Enter the security code (passphrase) of your wireless LAN access point, and press the [Song] button.**

How to enter characters

Use the [◀] [▶] (Slow/Fast) buttons to select the position at which you want to specify a character. Use the [–] [+] buttons to change the character.

* You cannot enter a space at the end of the passphrase.

Once successfully connected, "Completed" will appear.

* If you fail to connect, refer to "For problems related to communication" (p. 57).

4. **Press the [Song Balance] or [AB Repeat] button to exit Function mode.**

Other Settings (Option)

Make settings for Wireless ID or Ad-Hoc mode.

1. **Select "Wireless" → "Option."**

2. **Press the [◀] [▶] (Slow/Fast) buttons to select the parameter that you want to change.**

3. **Press the [–] [+] button to edit the value of the setting.**

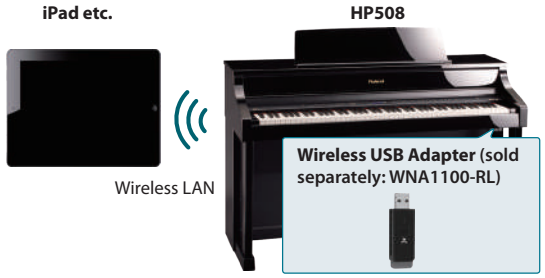
Parameter	Explanation
Wireless ID	Specifies the final digits of the HP508's device name and Ad-Hoc SSID (HP508) that will be shown as the instrument in the wirelessly connected app. Normally, you should specify "0," but if you have more than one of the same instrument, you can set the Wireless ID in the range of 1–99 to change the device name and Ad-Hoc SSID for each instrument, as follows. If Wireless ID=0, "HP508" (default value) If Wireless ID=1, "HP508_1" : If Wireless ID=99, "HP508_99"
Ad-Hoc Ch.	Specifies the channel (1–11) for Ad-Hoc mode. Normally, you won't need to change the channel. Try changing the channel only if you have problems connecting.

Connecting in Ad-Hoc Mode

Here's how to connect in Ad-Hoc mode.

What is Ad-Hoc mode?

Ad-Hoc mode lets you connect the HP508 directly to an iPad or other wireless device without using a wireless LAN access point. This is a convenient way to use the HP508 with an iPad or other wireless device if you're in a location where the wireless LAN access point you normally use is unavailable, such as when you're away from home.



Limitations

The iPad or other wireless device connected in Ad-Hoc mode will be unable to communicate with the Internet or with another wireless device. However, an iPad or other wireless device that has cellular capability will be able to connect to the Internet via the cellular connection.

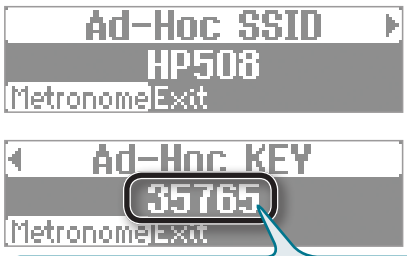
Please be aware that if you use a cellular connection for Internet connectivity, you may incur costs depending on your rate plan.

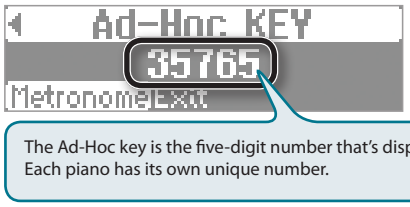
1. **Select "Wireless" → "Option" → "Ad-Hoc," then press the [Song] button.**

2. **Press the [▶] (Fast) button to turn the Ad-Hoc Mode "On."**

* To turn off Ad-Hoc Mode, press the [◀] (Slow) button.

3. **Once in Ad-Hoc Mode, the Ad-Hoc SSID (HP508) will be displayed. Press the [▶] (Fast) button to display the Ad-Hoc key (a five-character text string). Write down this number.**





The Ad-Hoc key is the five-digit number that's displayed here. Each piano has its own unique number.

MEMO

- The Ad-Hoc SSID (HP508) will be the value that you specified in the WIRELESS OPTIONS screen "Wireless ID" setting.
- The Ad-Hoc SSID and the Ad-Hoc key can also be verified in the status screen.

4. **On the iPad or other wireless device that you want to connect, select the Ad-Hoc SSID shown in the above screen to make the connection. (For example, on an iPad, choose [Settings] → [Wi-Fi] → [Choose a Network] to select the above Ad-Hoc SSID (HP508). A password entry screen will appear; enter the above Ad-Hoc key.)**

For details on how to connect to a wireless LAN from an iPad or other device, refer to the owner's manual of that device.

5. **Press the [Song Balance] or [AB Repeat] button to exit Function mode.**

6. **When you have finished the Ad-Hoc mode connection, restore the iPad settings in [Settings] → [Wi-Fi] → [Choose a Network] to their previous state.**

Checking the MAC Address

The MAC address indicated on the bottom of the wireless USB adapter (WNA1100-RL; sold separately).

Various Settings (Function Mode)

The same procedure is used for all settings in Function mode.

1. While holding down the [Song Balance] button, press the [AB Repeat] button.

The [Song Balance] button and [AB Repeat] button will light; the HP508 will be in Function mode.

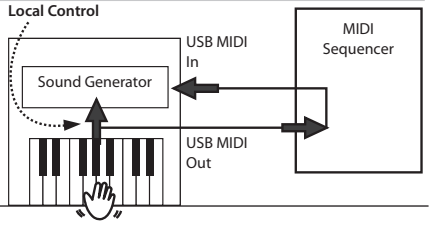
2. Press the [◀] [▶] (Slow/Fast) buttons to select the function setting that you want to change.

3. Press the [–] [+] button to edit the value of the setting.

4. Press the [Song Balance] button or the [AB Repeat] button to exit Function mode.

Indication	Value	Explanation
Headphones 3D Ambience	**Applying a Headphones 3D Ambience Effect to the Piano Sound (Headphones 3D Ambience)**	
	You can apply a Headphones 3D Ambience effect which produces the sensation that the sound is emanating from the piano itself even when using headphones.	**How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	On	Headphones 3D Ambience is on.
	Off	Headphones 3D Ambience is off.
Dual Balance	**Adjusting the Dual Play Volume Balance (Dual Balance)**	
	When using Dual Play, you can adjust the volume balance between tone 1 and tone 2.	**How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	9-1 (tone 1 is louder)–9-9 (same volume)–1-9 (tone 2 is louder)	
Master Tuning	**Matching the Pitch with Other Instruments (Master Tuning)**	
	When playing ensemble with other instruments and in other such instances, you can match the standard pitch to another instrument. The standard pitch generally refers to the pitch of the note that's played when you finger the middle A key (A4). For a cleaner ensemble sound while performing with one or more other instruments, ensure that each instrument's standard pitch is in tune with that of the other instruments. This tuning of all the instruments to a standard pitch is called "master tuning."	**How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	415.3 Hz–440.0 Hz–466.2 Hz	
Temperament	**Changing the Tuning Method (Temperament)**	
	You can play classical styles such as Baroque using historic temperaments (tuning methods). Most modern songs are composed for and played in equal temperament, the most common tuning in use today. But at one time, there were a wide variety of other tuning systems in existence. By playing in the temperament that was in use when a composition was created, you can experience the sonorities of chords originally intended for that song. For details, refer to "Temperaments" (p. 43).	**How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	Equal, Just Major, Just Minor, Pythagorean, Kirnberger, Meantone, Werckmeister, Arabic	
Temperament Key	**Specifying a Song's Tonic (Temperament Key)**	
	When playing with tuning other than equal temperament, you need to specify the temperament key for tuning the song to be performed (that is, the note that corresponds to C for a major key or to A for a minor key). If you choose an equal temperament, there's no need to select a temperament key.	**How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	C–B	
Input Volume	**Adjusting the Volume of an Audio Playback Device (Input Volume)**	
	You can adjust the volume of an audio playback device that's connected to the Input jack.	
	0–10	

Indication	Value	Explanation
Center Cancel		**Playing Back an Audio File with Its Central Sound Minimized (Center Cancel)** You can minimize the playback of sounds located in the center of the sound field (e.g., vocals or melody instruments) of the selected audio file or music from a digital audio player connected to the Input jack. * For some songs, sounds located in the center might not disappear completely, or the tone quality of the sound might be affected. **MEMO** You can also turn the Center Cancel function on/off by pressing the [Right] button.
	On	Sound at center reduced during playback.
	Off	Normal playback.
Audio Transpose		**Transposing an Audio File (Audio Transpose)** The selected audio file and the sound of a digital audio player connected to the Input jack can both be transposed for playback. * For some songs, an audio transpose setting other than 0 may affect the tone quality of the sound. **MEMO** You can also change this setting by holding down the [Transpose] button and using the [–] [+] buttons.
	-6–0–+5 (semitone units)	Positive (+) values raise the pitch in semitone steps, and negative (-) values lower the pitch in semitone steps.
Transpose Mode		**Specifying What the Transpose Will Affect (Transpose Mode)** This setting specifies what the transpose will affect. You can use the transpose to change the pitch of both the song and the keyboard, only the pitch of the song, or only the pitch of the keyboard. **How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	Keyboard	The sound of the keyboard
	Song	The song being played back and the sound being input via the Input jack
	Keyboard & Song	The sound of the keyboard, the song being played back, and the sound being input via the Input jack
Octave Shift		**Changing the Pitch of the Tone in Octave Steps (Octave Shift)** You can change the pitch of the Tone 2 in Dual Play (p. 19) and Lower tone in Split Play (p. 20) an octave at a time. Altering the pitch in one-octave units in this way is called "Octave Shift." For example, you can raise the pitch of the Lower Tone to the same pitch of the Upper Tone in Split Play.
	-2–0–+2 (octave)	
Recording Mode		**Selecting the Format for Recording (Recording Mode)** You can choose whether to record as SMF or as audio. **MEMO** You can also switch the recording mode by holding down the [●] (Rec) button and using the [–] [+] buttons.
	SMF	SMF parts will be recorded separately. This allows you to re-record just a single part, or to overdub different parts.
	Audio	The recording will be made as audio data. The recorded song can be used in your computer.
Damper Pedal Part		**Changing How the Pedal Effects Are Applied (Damper Pedal Part)** When you press the damper pedal during Dual play or Split play, the pedal effect is normally applied to both tones, but you can also select the tone to which the effect is to be applied. **How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	Right & Left	All enabled
	Right	Applied only to the Tone 1 (in dual mode)/Right-hand Tone (in split mode)
	Left	Applied only to the Tone 2 (in dual mode)/Left-hand Tone (in split mode)

Indication	Value	Explanation
Center Pedal	**Changing How the Pedals Work (Center Pedal)**	When you turn on the power, the center pedal functions as the sostenuto pedal (p. 14). You can change the function of the pedal to a variety of other operations.
	Sostenuto	Sets function to sostenuto pedal.
	Play/Stop	The pedal will have the same function as the [▶/■] (Play/Stop) button.
	Layer	Pressing the pedal will layer on Tone 2, used for Dual play. * The Layer function can be applied only when using Dual play.
	Octave	Pressing the pedal will layer on a sound one octave higher. * The Octave function cannot be applied while using Twin Piano, Dual play, or Split play.
Local Control	**Preventing Doubled Notes When Connected to a Sequencer (Local Control)**	When you have a MIDI sequencer connected via USB, set this parameter to Local Off. Since most sequencers have their Thru function turned on, notes you play on the keyboard may be sounded in duplicate, or get dropped. To prevent this, you can enable the "Local Off" setting so that the keyboard and internal sound generator will be disconnected. 
	Off	Local Control is off. The keyboard and composer are disconnected from the internal sound generator. Playing the keyboard will not produce sound.
	On	Local Control is on. The keyboard and composer are connected to the internal sound generator.
MIDI Transmit Channel	**MIDI Transmit Channel Settings (MIDI Transmit Channel)**	This setting specifies the MIDI channel on which the HP508 will transmit. MIDI uses sixteen "MIDI channels," which are numbered 1 through 16. By connecting MIDI devices (USB MIDI) and specifying the appropriate MIDI channel for each device, you can play or select sounds on those devices. The HP508 will receive all sixteen channels (1–16). **How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	Off, 1–16	
Save Song	**Renaming a Song (Save Song)**	Here's how to rename a song you've saved (p. 41).
Copy Song	**Copying a Saved Song (Copy Song)**	A song you've saved to Favorite can be copied to the USB flash drive. Alternatively, a song saved to a USB flash drive can be copied to Favorite (p. 45).
Delete Song	**Deleting a Saved Song (Delete Song)**	You can delete a saved song from Favorite or the USB flash drive (p. 46).
Format Media	**Initializing the Memory (Format Media)**	You can delete all songs from Favorite or a separately sold USB flash drive (p. 46).
USB Driver	**Changing the USB Driver Settings (USB Driver)**	Normally, you don't need to install a driver in order to connect the HP508 to your computer. However, if some problem occurs, or if the performance is poor, using the Roland original driver may solve the problem. In this case, setting "USB Driver" to "Original" on the HP508, install the driver on your personal computer. After changing this setting, you need to turn off the HP508, then turn it back on again. **MEMO** This setting is automatically saved in the HP508. For details on downloading and installing the Roland original driver, refer to the Roland website. Roland website: **http://www.roland.com/**
	Generic	Choose this if you want to use the generic USB driver that was included with your computer. Normally, you should use this mode.
	Original	Choose this if you want to use a USB driver downloaded from the Roland website.

Indication	Value	Explanation
USB Memory Mode	**Changing the USB Flash Drive Setting (USB Memory Mode)**	
		In some cases, when USB flash drive is connected to the USB memory port, it may take longer for data to be loaded, or data may fail to be loaded successfully. If this occurs, you may be able to solve the problem by changing the USB flash drive setting. When the unit left the factory, this was set to "Mode 2" Normally, there is no need to make this setting. **MEMO** This setting is automatically saved in the HP508.
	Mode 1, Mode 2	
Visual Control Mode	**Controlling Video Equipment (Visual Control Mode)**	
		Visual Control is a function that lets you control images along with your performance. If you've set Visual Control mode to MVC or V-LINK, playing the keyboard of HP508 will control the images produced by the Visual Control device connected to HP508 using a USB cable.
	Off	Visual Control is off.
	MVC	MIDI Visual Control mode is selected.
	V-LINK	V-LINK mode is selected.
Visual Control Channel	**Specifying the Visual Control Channel (Visual Control Channel)**	
		Here's how to specify the channel on which messages used to control video will be sent. (Visual Control Channel). **How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	1–16	Specifies the MIDI channel used to transmit MIDI messages to the Visual Control device.

What is MIDI Visual Control?

MIDI Visual Control is an internationally-used recommended practice that was added to the MIDI specification so that visual expression could be linked with musical performance. Video equipment that is compatible with MIDI Visual Control can be connected to electronic musical instruments via MIDI in order to control video equipment in tandem with a performance.

What is V-LINK?

V-LINK is Roland's proprietary specification that allows visual expression to be linked with musical performance. Video equipment that is compatible with V-LINK can be connected to electronic musical instruments, making it easy to enjoy a variety of visual effects that are linked with the performance.

Connection examples

Connect a USB cable from this unit's USB port (p. 15) to the USB port of your Visual Control compatible device.

* You'll need a commercially available USB cable in order to connect this unit to a device that supports Visual Control.

Visual control function chart

Playing the lowest 12 keys of this unit (A0–G#1) will transmit the following MIDI messages.

Visual Control function	Transmitted MIDI message	HP508's operation
Switch images	CC 0 (Bank Select): 0–4	Play black keys
	Program Change: 1–7	Play white keys

Indication	Value	Explanation
Wireless	**Wireless LAN Function Settings**	
	You can view or edit the wireless settings (p. 47).	
Display Contrast	**Adjusting the Brightness of the Display (Display Contrast)**	
	You can adjust the brightness of the HP508's display (p. 44). **MEMO** This setting is automatically saved in the HP508.	
	1–10	
Volume Limit	**Specifying the Maximum Volume (Volume Limit)**	
	You can specify the maximum volume setting. This will prevent undesirably high volumes even if the [Volume] buttons are operated unintentionally.	**How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	20, 40, 60 ,80, 100	
Language	**Changing the Language Displayed in the Screen (Language)**	
	You can change the language that is displayed in the screen.	**How to save your settings?** Save your settings as described in "Memory Backup" (p. 44).
	English, Japanese	
Auto Off	**Making the Power Automatically Turn Off After a Time (Auto Off)**	
	With the factory settings, the unit's power will automatically be switched off 30 minutes after you stop playing or operating the unit. If you don't want the power to turn off automatically, change the "Auto Off" setting to "Off" (p. 44). **MEMO** This setting is automatically saved in the HP508.	
Memory Backup	**Storing Your Settings (Memory Backup)**	
	The HP508's settings will return to their default settings when you turn off the power, but you can store these settings so that they will retain the changes you made even after the power is turned off, then on again (p. 44).	
Factory Reset	**Restoring the Factory Settings (Factory Reset)**	
	When you execute the "Factory Reset" function, the settings you've edited in Function mode will be restored to their factory-set state (p. 45).	

Troubleshooting

Symptom	Cause/Action	Page
Even though you're using headphones and the sound is muted, a thumping sound is heard when you play the keyboard	HP508 uses a hammer action keyboard in order to simulate an acoustic piano's playing touch as realistically as possible. For this reason, you'll hear the hammers thump when you play the keyboard, just as you would when playing an acoustic piano. Since this unit allows you to adjust its volume, you might notice the sound of the hammers in certain situations, but this does not indicate a malfunction. If vibration transmitted to the floor or walls is a concern, you may be able to minimize the vibration by moving the piano away from the wall, or by laying down a commercially available anti-vibration mat designed for use with pianos.	–
Power turns off on its own	When 30 minutes have elapsed since you last played or operated this unit, the power will turn off automatically. (This is the factory setting). If you don't need the power to turn off automatically, turn the "Auto Off" setting "Off."	p. 44
Power does not turn on	Is the power cord connected correctly?	p. 63
	Could you have turned the power on again immediately after turning the power off? Allow an interval of at least five seconds before turning the power on again.	–
Screen display is irregular when power is turned on/off	Since the HP508 uses a liquid-crystal display, you may find that it is unable to display letters or other things in environments where temperatures go below 0 degrees Celsius (32 degrees Fahrenheit).	–
Pedal does not work, or is "stuck"	Is the pedal connected correctly? Plug the cable firmly into the pedal connector.	p. 63
	If you disconnect the pedal cord from the HP508 while the power is on, the pedal effect may remain "stuck" in the On condition. You must power-off the HP508 before connecting or disconnecting the pedal cord.	p. 63
	Could you have changed how the pedal effect is applied? If the damper pedal part is set to "Right," the pedal will apply only to the right tone; if it is set to "Left," the pedal will apply only to the left tone.	p. 51
	Could Twin Piano be turned on? If Twin Piano is on, the right pedal will affect only the right-hand keyboard zone and the left pedal will affect only the left-hand keyboard zone.	p. 24
	Could you have changed the function of the pedal? If you've reassigned the function of the center pedal, this pedal will not operate as the sostenuto pedal.	p. 52
Unable to read from/write to USB flash drive	Are you using (optional) Roland USB flash drive? Reliable performance cannot be guaranteed if you use non-Roland USB flash drive products.	–
	If you are unable to read or write USB flash drive successfully, change the USB memory mode.	p. 53
"Buzz" is heard from external devices	Are the external devices connected to more than one AC power outlet? If you connect external devices, be sure to connect them to the same AC outlet.	–
The volume level of the instrument connected to Input jack is too low.	Could the Input volume be set to "0"?	p. 50
	Raise the volume of the connected device.	–
	Could you be using a connection cable that contains a resistor? Use a connection cable that does not contain a resistor.	–
No sound		
No sound	Is the speaker cable connected correctly?	p. 63
	Could the HP508's volume or the volume of the connected equipment be turned down?	p. 17
	Could headphones be connected? Could there be a plug inserted in a headphone jack? The speakers will not produce sound if headphones or plug are connected to the headphone jacks.	p. 15
	Has Local Control been set to "Off"? When Local Control is set to "Off," no sound is produced by playing the keyboard. Set Local Control to "On."	p. 52
	Could Twin Piano mode be set to "Individual"? If headphones are connected when Twin Piano is On and the mode is set to "Individual," notes played in the left-hand keyboard zone will not be heard from the headphones connected to the right Phones jack. Similarly, notes played in the right-hand keyboard zone will not be heard from the headphones connected to the left Phones jack.	p. 24
No sound when you play back a song	Has Local Control been set to "Off"? When Local Control is set to "Off," no sound is produced by playing the song. Set Local Control to "On."	p. 52
	Could the Song Balance be set to "0"?	p. 29
No sound from the left most notes of the keyboard	Could the Visual Control mode be set to "MVC" or "V-LINK"? If the Visual Control mode is set to "MVC" or "V-LINK," the lowest 12 keys of the keyboard (A0–G#1) are used to control images; they will not produce sound.	p. 53
Notes don't sound right		
Sound is not loud enough **Only the high sounds are heard**	Is the speaker cable connected correctly?	p. 63
Pitch of the keyboard or song is incorrect	Could you have made Transpose settings?	p. 25 p. 38
	Is the Master Tune setting appropriate?	p. 43
	Is the setting for the Temperament correct?	p. 43
	Is the settings for the Stretch Tuning correct?	p. 43
Not all the notes you play are sounded	The maximum simultaneous polyphony is 128 voices. If you are playing along with a song and making heavy use of the damper pedal, the number of notes the HP508 is attempting to produce may exceed the maximum polyphony, meaning that some of the notes will drop out.	–
Sounds are heard twice (doubled) when the keyboard is played	Is the HP508 in Dual play?	p. 19
	When the HP508 is connected to an external sequencer, set the Local Control to "Off." Alternatively, the sequencer could be set so its Soft Thru feature is Off.	p. 52
Effect does not apply	When you are using Dual play or Split play, and different effects are specified for the two selected tones, the effect will not be applied to Tone 2 (when using Dual play) or the left-hand tone (when using Split play).	–

Troubleshooting

Symptom	Cause/Action	Page
Reverberation remains even if You defeat the Ambience effect	The HP508's piano sound faithfully simulates the depth and resonance of an acoustic piano, and this may give the impression of reverberation even if you've defeated the Ambience effect. Also, you may be able to eliminate some reverberation by reducing the value set for "Cabinet Resonance."	p. 43
The sound of the higher notes suddenly changes from a certain key	On an acoustic piano, the approximately one and a half octaves of notes at the top of the keyboard will continue sounding regardless of the damper pedal. These notes also have a somewhat different tonal character. HP508 faithfully simulate this characteristic of acoustic pianos. On the HP508, the range that is unaffected by the damper pedal will change according to the key transpose setting.	–
High-pitched ringing is heard	Is the speaker cable connected correctly?	p. 63
	If you hear this in headphones: Piano sounds that have a brilliant and crisp character contain substantial high-frequency components that may sound as though a metallic ringing has been added. This is because the character of an actual piano is being faithfully reproduced, and is not a malfunction. This sound can be adjusted by modifying the following settings. • String Resonance (p. 42) • Ambience (p. 22) • Duplex Scale (p. 42) **If you don't hear this in headphones:** It is likely that there is some other reason (such as resonances within the unit). Please contact your dealer or a nearby Roland service center.	–
Low notes sound wrong, or are buzzy	If you set the volume to the maximum setting, the sound may be distorted depending on how you perform. If this occurs, turn down the volume.	–
	If you don't hear this in headphones: Performing at high volumes may cause the speakers or objects near the HP508 to resonate. Fluorescent lights or glass doors may also resonate sympathetically. In particular, this is more likely to occur for lower notes and higher volumes. You can take the following measures to minimize resonances. • Locate the speakers 10–15 cm (4–6 inch) away from walls or other surfaces. • Keep the volume down. • Move away from the objects that are resonating. **If you hear this in headphones:** It is likely that there is some other reason. Please contact your dealer or a nearby Roland service center.	–
Song does not play correctly		
Only the sound of a particular instrument in a song does not play	Could a part be muted? If the button indicator is out, the music on that part is not heard. Press the part button so the indicator is illuminated.	p. 30
Sound is heard from a muted part	Could the part mute volume be set to other than "0"? If you set this to "0," the sound of a muted part will be completely inaudible.	p. 30
Song volume is low / Volume differs between recording and playback	Could the Song Balance Value be lowered?	p. 29
Can't play back a song saved in USB flash drive	Could the Audio files of the format be played? Audio files of the following format can be played back. • File extension ".WAV" • 16-bit linear • "44.1 kHz" sampling rate	p. 28
	Is the filename extension ".MID"? Files with other filename extensions cannot be handled as song data.	–
Song tempo becomes unstable	When playing a song from USB flash drive, the tempo may become unstable if there is an excessive amount of performance data.	–
Song name in USB flash drive is not shown	The song name will not be shown if the song information in the file is empty or consists only of spaces.	–
	Is the filename extension ".MID"? Files with other filename extensions cannot be handled as song data.	–
Can't record / play back		
Can't record SMF	Has one of the part buttons for recording been selected?	p. 32
Can't record audio	Is a USB flash drive connected to the USB memory port?	–
Tone quality of the piano sound changes when you record a performance as audio	Thanks to its multiple number of speakers, each of which can be used to play a different portion of the overall sound, the HP508 is capable of producing piano sounds that possess great depth and seem to have three-dimensional presence. Such effects are produced when you play something on the keyboard, or when you play back a song that's been recorded as an SMF. However, when you make an audio recording, the song will consist of two channels (stereo), and such effects cannot be reproduced.	–

Symptom	Cause/Action	Page
For problems related to communication		
Can't connect to a wireless LAN access point	• Make sure that your wireless LAN access point supports WPS. If your wireless LAN access point does not support WPS, you can connect using the procedure described in "Connecting to a Wireless LAN Access Point That You Select (Select AP)" (p. 48). • The 802.11a/b wireless standard is not supported. Please use the 802.11g/n (2.4 GHz) wireless standard. • The WEP authentication method is not supported. Please use the WPA or WPA2 authentication method. • Make sure that DHCP is enabled for your wireless LAN access point. • If you don't get connected to the previously-connected wireless LAN access point when you turn on the unit, check and make sure the setting described in "Connecting in Ad-Hoc Mode" (p. 49) is OFF. • The connection might not occur successfully due to the state of the radio signal. If so, use the procedure described in "Connecting to a Wireless LAN Access Point That You Select (Select AP)" (p. 48), and select your wireless LAN access point and reconnect. • There is a limit to the connection data that can be remembered. Making a new connection may cause older connection data to be deleted. All connection data will be deleted if you execute a factory reset. If the connection data has been deleted, please re-connect to the wireless LAN access point.	p.47–p.49
The display indicates "Error 46," and can't connect to the wireless LAN access point	• This Access Point is not supported. Please use the WPA or WPA2 authentication method.	
Communication is unstable	Communication may be unstable depending on the usage of the radio frequency spectrum. If communication is unstable, the response may be sluggish, or if using audio communication, there may be dropouts in the audio. The following actions may improve the situation. • Move the wireless LAN access point and the HP508 closer to each other. • Change the channel setting of the wireless LAN access point.	
The HP508 is not found in the instrument connections of the app (such as the iPad app Piano Partner)	• Is the HP508 powered up? • Is the wireless USB adapter (WNA1100-RL) inserted to the HP508? • Is the HP508 connected to the wireless LAN? • Are the HP508 and the iPad connected to the same network (the same wireless LAN access point)? • Is the wireless LAN access point set to allow communication between wireless LAN devices? For details on settings, refer to the owner's manual of your wireless LAN access point.	
Your iPad won't connect to the Internet	• Is the wireless LAN access point connected to the Internet? • Could you be connected in Ad-Hoc mode? The iPad or other wireless device connected in Ad-Hoc mode will be unable to communicate with the Internet or with another wireless device. However, an iPad or other wireless device that has cellular capability will be able to connect to the Internet via the cellular connection. Please be aware that if you use a cellular connection for Internet connectivity, you may incur costs depending on your rate plan.	

Limitations regarding audio files

- Ambience will not be applied to audio files (p. 22).
- Audio data cannot be saved in the unit's Favorite (internal memory). In order to record audio, you must connect a USB flash drive (separately sold) (p. 32, p. 36, p. 37).
- The Part Mute function cannot be used when playing audio files (p. 30).
- Audio files cannot be copied (p. 45).

Tone List

Piano–Grand

No.	Tone Name	Explanation
1	ConcertPiano	The sound of a splendid concert grand piano. This piano sound has our highest recommendation, and can be used for any style of music.
2	BalladePiano	A mellow grand piano sound, recommended for quiet songs.
3	Bright Piano	A brilliant grand piano sound, recommended when you want the piano to stand out in an ensemble.
4	MagicalPiano	A charming sound that layers synth bells with Concert.
5	Piano + Str.	Strings layered with Concert.
6	Piano + Pad	A pad layered with Concert.
7	Piano+Choir	A choir layered with Concert.
8	Pure Piano	A grand piano sound notable for its clarity. When using headphones, this will sound the same as the ConcertPiano.
9	Fortepiano	An early type of piano with a distinctive sound that's somewhat different than today's pianos.
10	Mellow Forte	A mellow FortePno (Forte Piano) sound.
11	Bright Forte	A brilliant FortePno (Forte Piano) sound.
12	Dolcechord	A dream-like sound that can sound like a piano or a harpsichord.
13	Harpsichord	A type of keyboard instrument widely used in Baroque music, producing a delicate sound.
14	Harpsi 8'+4'	The sound of a harpsichord layered with sound an higher octave.

Piano–Upright

No.	Tone Name	Explanation
1	UprightPiano	The sound of an upright piano. The sound will feel closer to you.
2	MellowUprght	A mellow upright piano sound.
3	BrightUprght	A brilliant upright piano sound.
4	Rock Piano	A robust piano sound, recommended for boogie-woogie playing.
5	RagtimePiano	A honky-tonk piano sound, recommended for ragtime playing.

E. Piano

No.	Tone Name
1	Tremolo EP
2	Pop E.Piano
3	Vintage EP
4	FM E.Piano
5	EP Belle
6	'60s E.Piano
7	Clav.
8	Stage Phaser
9	'70s E.Piano
10	E.Grand

Strings

No.	Tone Name
1	SymphonicStr
2	Epic Strings
3	Rich Strings
4	OrchestraStr
5	Orchestra
6	ChamberWinds
7	Harp
8	Violin
9	Velo Strings
10	Flute
11	Cello
12	OrchestraBrs
13	PizzicatoStr
14	DecayStrings *
15	Vibraphone
16	Celesta
17	Jazz Scat
18	SymphonicCho
19	Pipe Organ
20	Nason flt 8'
21	Combo Jz.Org
22	Ballad Organ
23	Soft Pad
24	Harpvox
25	Nylon-str.Gt
26	Steel-str.Gt

No.	Tone Name
27	Marimba
28	Mallet Isle
29	Morning Lite
30	Ballad Bells
31	Accordion
32	ChurchOrgan1
33	ChurchOrgan2
34	Aerial Choir
35	Angels Choir
36	Beauty Vox
37	Female Aahs
38	Male Aahs
39	Decay Choir *
40	Thum Voice
41	Gospel Spin
42	Full Stops
43	Mellow Bars
44	Light Organ
45	Lower Organ
46	'60s Organ
47	Glass Pad
48	Lunar Strngs
49	Dcy ChoirPad *
50	Jazz Guitar
51	AcousticBass
52	A.Bass+Cymbl
53	FingeredBass
54	BrassSection

No.	Tone Name
55	Alto Sax
56	Tenor Sax

* Tones indicated by "*" are suitable for playing layered with a piano tone.
* Tones numbered 57 and higher are accompaniment-use GM2 tones.
* In the tone group "Strings" when you hold down the [–] [+] buttons to switch tone in succession, the tones will stop changing at number 57 and number 66.
* To select the next sound, release the [–] [+] buttons, then press it again.

Internal Song List

No.	Song Title	Composer
MASTERPIECE		
1	The Nutcracker "Danse des Mirlitons"	Peter Ilyich Tchaikovsky
2	The Marriage of Figaro "Overture"	Wolfgang Amadeus Mozart
3	Barcarolle	Fryderyk Franciszek Chopin
4	Zhavoronok	Mikhail Ivanovich Glinka, Arranged by Mily Alexeyevich Balakirev
5	Floral Pursuits *	Léo Delibes, Arranged by John Maul
6	Sonate für Klavier Nr.23 1	Ludwig van Beethoven
7	Sonate für Klavier Nr.23 2	Ludwig van Beethoven
8	Sonate für Klavier Nr.23 3	Ludwig van Beethoven
9	Valse, op.34-1	Fryderyk Franciszek Chopin
10	Polonaise op.53	Fryderyk Franciszek Chopin
11	Nocturne No.20	Fryderyk Franciszek Chopin
12	Die Forelle	Franz Peter Schubert, Arranged by Franz Liszt
13	Reflets dans l'Eau	Claude Achille Debussy
14	La Fille aux Cheveux de Lin	Claude Achille Debussy
15	La Campanella	Franz Liszt
16	Scherzo No.2	Fryderyk Franciszek Chopin
17	Étude, op.10-12	Fryderyk Franciszek Chopin
18	Sonate No.15	Wolfgang Amadeus Mozart
19	Liebesträume 3	Franz Liszt
20	Étude, op.10-3	Fryderyk Franciszek Chopin
21	Je te veux	Erik Satie
22	Valse, op.64-1	Fryderyk Franciszek Chopin
23	Golliwog's Cakewalk	Claude Achille Debussy
24	Fantaisie-Impromptu	Fryderyk Franciszek Chopin
25	Arabesque 1	Claude Achille Debussy
26	An der schönen, blauen Donau	Johann Strauss, Sohn
27	Auf Flügeln des Gesanges	Felix Mendelssohn
28	Mazurka No.5	Fryderyk Franciszek Chopin
29	Gymnopédie 1	Erik Satie
30	Étude, op.25-1	Fryderyk Franciszek Chopin
31	Clair de Lune	Claude Achille Debussy
32	Étude, op.10-5	Fryderyk Franciszek Chopin
33	Dr. Gradus ad Parnassum	Claude Achille Debussy
34	Grande Valse Brillante	Fryderyk Franciszek Chopin
35	La prière d'une Vierge	Tekla Badarzewska
36	Course en Troïka	Peter Ilyich Tchaikovsky
37	To The Spring	Edvard Hagerup Grieg
38	Valse, op.64-2	Fryderyk Franciszek Chopin
39	Radetzky Marsch	Johann Baptist Strauss
40	Träumerei	Robert Alexander Schumann
41	Moments Musicaux 3	Franz Peter Schubert
42	Prélude, op.28-15	Fryderyk Franciszek Chopin
43	Harmonious Blacksmith	Georg Friedrich Händel
44	Ungarische Tänze 5	Johannes Brahms
45	Türkischer Marsch	Ludwig van Beethoven
46	Nocturne No.2	Fryderyk Franciszek Chopin
47	Frühlingslied	Felix Mendelssohn
48	Präludium	Johann Sebastian Bach
49	Jägerlied	Felix Mendelssohn
50	Passepied	Claude Achille Debussy
51	Für Elise	Ludwig van Beethoven
52	Türkischer Marsch	Wolfgang Amadeus Mozart
53	Ständchen	Franz Peter Schubert
54	Humoreske	Antonín Dvořák
55	Blumenlied	Gustav Lange
56	Alpenglöckchen	Theodor Oesten
57	Menuett G dur	Ludwig van Beethoven
58	Venezianisches Gondellied	Felix Mendelssohn
59	Alpenabendröte	Theodor Oesten
60	Farewell to the Piano	Ludwig van Beethoven
61	Brautchor	Wilhelm Richard Wagner
62	Forget-Me-Not	Heinrich Lichner
63	Wiener Marsch	Carl Czerny
64	Le Coucou	Louis Claude Daquin
65	Menuett G dur	Johann Sebastian Bach
66	Spinnerlied	Albert Ellmenreich
67	Gavotte	François Joseph Gossec
68	Heidenröslein	Gustav Lange
69	Zigeuner Tanz	Heinrich Lichner
70	La Cinquantaine	Gabriel Marie
71	Csikos Post	Hermann Necke
72	Dolly's Dreaming Awakening	Theodor Oesten
73	La Violette	Louis Streabbog
74	Fröhlicher Landmann	Robert Alexander Schumann
75	Sonatine op.36-1	Muzio Clementi
76	Sonatine op.20-1	Friedrich Kuhlau
77	Sonatine No.5	Ludwig van Beethoven
SELECTIONS		
1	Triumphal March from Aida	Giuseppe Verdi
2	Ninna Nanna	Johannes Brahms
3	Papageno's Aria	Wolfgang Amadeus Mozart
4	The Spring	Antonio Lucio Vivaldi
5	Polovtsian Dances	Alexander Borodin
6	Air on the G String	Johann Sebastian Bach
7	Cucaracha	Mexican Popular Song
8	Samba Lelè	Brazilian Popular Child Song
9	Old MacDonald Had a Farm	Popular Child Song
10	When the Saints Go Marching in	Popular Song
CZERNY 100		
1 –100	Czerny 100	Carl Czerny
HANON		
1 –20	Hanon 1–20	Charles Hanon

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* No data for the music that is played will be output from USB Computer port.

* Songs marked by an asterisk (*) are original songs composed for the Roland Corporation. The copyrights to these songs are owned by the Roland Corporation.

* MASTERPIECE 3–4, 6–17 are piano solos. They have no accompaniment.

Roland HP508: Digital Piano

Keyboard	
Keyboard	88 keys (PHA-4 Concert Keyboard: with Escapement and Ebony/Ivory Feel)
Touch Sensitivity	Key Touch: 100 types, fixed touch Hammer Response: Off, 10 levels
Keyboard Mode	Whole Dual (volume balance adjustable) Split (split point adjustable) Twin Piano
Pedals	
Pedals	Damper (Progressive Damper Action Pedal, capable of continuous detection) Soft (capable of continuous detection) Sostenuto (function assignable)
Sound Generator	
Piano Sound	SuperNATURAL Piano Sound
MIDI Format	Conforms to GM2, GS, XGlite
Max. Polyphony	128 voices
Tones	Grand Piano: 14 Tones Upright Piano: 5 Tones E.Piano: 10 Tones Other: 321 Tones (including 8 drum sets, 1 SFX set)
Temperaments	8 types, selectable temperament key
Individual Voicing (adjustable in individual notes)	Stretched Tuning: -50.0–+50.0 cent Note Volume: -50–0 Note Character: -5–+5
Master Tuning	415.3–466.2 Hz (adjustable in increments of 0.1 Hz)
Transpose	Key Transpose: -6–+5 (in semitones) Playback Transpose: -6–+5 (in semitones, including audio files)
Effects	Ambience (Off, 10 levels) Brilliance (21 levels) **Only for Piano Tones (Piano Designer):** Open/close lid (7 levels) Hammer Response (Off, 10 levels) Hammer Noise (5 levels) Damper Noise (Off, 10 levels) Damper Resonance (Off, 10 levels) String Resonance (Off, 10 levels) Key Off Resonance (Off, 10 levels) Cabinet Resonance (Off, 10 levels) Duplex Scale (Off, 10 levels) Dynemic Harmonic (Off, 10 levels) Soundboard Behavior (Off, 10 levels) **Only for Organ Tones:** Rotary Speaker Effect (Slow/Fast)
Metronome	
Tempo	Quarter note = 10–500
Beat	2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8
Volume	11 levels
SMF Recorder	
Parts	3 parts
Save Song	Standard MIDI Files (Format 0)
Note Storage	Approx. 30,000 notes
Controls	Song Select, Play/Stop, Rec, Rewinding, Fast-forwarding, Top of song, Part Mute, Mute Volume, Tempo, Tempo Mute, All Songs Play, Count-in, Song Balance, AB Repeat
Tempo	Quarter note = 10–500
Resolution	120 ticks per quarter note
Audio	
Playback	File Format: Audio File (WAV 44.1 kHz, 16-bit linear format)
Recording	Keyboard, SMF data, Audio from Input jack File Format: Audio File (WAV 44.1 kHz, 16-bit linear format)
Transpose	Playback Transpose: -6–+5 (in semitones, including audio from Input jack)
Playback Speed	75–125%
Controls	Song Select, Play/Stop, Rec, Rewinding, Fast-forwarding, Top of song, Playback Speed, All Songs Play, Song Balance, AB Repeat, Center Cancel (with Audio from Input jack)

Internal Memory	
Save Song	Standard MIDI Files (Format 0)
Songs	Max. 99 songs
External Memory	
External Storage	USB Flash Memory
Playable Software	Standard MIDI Files (Format 0, 1) Roland Original Format (i-Format) Audio File (WAV, 44.1 kHz, 16-bit linear format)
Save Song	Standard MIDI Files (Format 0) Audio File (WAV, 44.1 kHz, 16-bit linear format)
Other	
Internal Songs	Piano Masterpieces: 77 songs Selection: EU= 10 songs/ US= 18 songs/ Other= 10 songs Hanon: 20 songs Czerny #100: 100 songs
Display	Graphic LCD 122 x 32 dots (Contrast 10 levels) Beat Indicator
Language	English, Japanese
Music Rest	Tilt Adjustment: 4 levels
Keyboard Lid	Slide type (with Classic Position)
Other Functions	Wireless Connect (when using optional Wireless USB Adapter) Panel Lock Auto Off V-LINK MIDI Visual Control Demo
Connectors	AC inlet Input jack: Stereo miniature phone type Output (L/Mono, R) jacks: 1/4-inch phone type USB COMPUTER port: USB Type B USB MEMORY port: USB Type A Phones jacks (Stereo, with Twin Piano Individual Mode) x 2: Stereo miniature phone type, Stereo 1/4-inch phone type
Rated Power Output	60 W x 2 15 W x 2
Volume Level (SPL)	112 dB * This value was measured according to the method that is based on Roland's technical standard.
Speakers	Cabinet Speakers: 16 cm (6-5/16 inches) x 2 Near-field Speakers: 5 cm (2 inches) x 2 Spatial Speakers: (12 cm (4-3/4 inches) x 8 cm (3-3/16 inches)) x 2
Headphones	Effects: Headphones 3D Ambience
Control	Volume (Buttons, with the speaker volume and the headphones volume automatically select function, with the volume limit function)
Power Consumption	34 W (31–85 W) 34 W: Average power consumption while piano is played with volume at center position 31 W: Power consumption immediately after power-up; nothing being played 85 W: Rated power consumption
Dimensions (including piano stand)	(With Music Rest) 1,405 (W) x 498 (D) x 1,131 (H) mm 55-3/8 (W) x 19-5/8 (D) x 44-9/16 (H) inches (When folding down the Music Rest) 1,405 (W) x 498 (D) x 956 (H) mm 55-3/8 (W) x 19-5/8 (D) x 37-11/16 (H) inches
Weight (including piano stand)	HP508-RW, HP508-CB: 80.0 kg / 176 lbs 6 oz HP508-PE: 82.0 kg / 180 lbs 13 oz
Accessories	Owner's manual Assembly manual (*1) Power cord Headphone hook Screw set (*1) *1 Supplied with the stand.
Options (sold separately)	Headphones USB Flash Memory (*2) Wireless USB Adapter (*2) Audio Cable *2 Use USB Flash Memory and Wireless USB Adapter sold by Roland. We cannot guarantee operation if other products are used.

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

Error Messages

Indication	Meaning
Error 1	You can only read the music file. It can not be saved.
Error 2	An error occurred during writing. The external media may be corrupted. Insert other external media and try again. Alternatively, you can initialize the external media.
Error 10	No external media is inserted. Insert the external media and try again.
Error 11	There is not sufficient free memory in the save destination. Either insert other external media or delete unneeded files and try again.
Error 14	An error occurred during reading. The external media may be corrupted. Insert other external media and try again. Alternatively, you can initialize the external media.
Error 15	The file is unreadable. The data format is not compatible with the HP508.
Error 16	Data was not called up in time for playback of the song. After waiting several seconds, you may be able to play back the song by pressing the [▶/■] (Play/Stop) button again.
Error 18	This audio format is not supported. Please use 44.1 kHz 16-bit linear WAV format audio files.
Error 30	Internal memory capacity of the HP508 is full.
Error 40	The HP508 cannot deal with the excessive MIDI data sent from the USB MIDI. Reduce the amount of MIDI data sent to the HP508.
Error 43	A MIDI transmission error has occurred. Check the connected MIDI device.
Error 51	There may be a problem with the system. Repeat the procedure from the beginning. If it is not solved after you have tried several times, contact the Roland service center.
Error 65	The USB flash drive connector was subjected to excessive current. Make sure that there is no problem with the external media, then turn the power off, then on again.

* External Media: USB flash drive

Assembling

- To assure that assembly is carried out properly, make sure to read these instructions before you begin the assembly. Please keep these instructions close at hand, so you can refer to them whenever you need.
- To move the piano, lift it carefully—all the while keeping it level.
- Be careful not to pinch your hands or drop this unit on your foot during assembly or transport.
- Make sure to enlist the help of at least one other person when assembling this unit and moving it to a different location.
- Make sure to keep screws and any other small parts in a safe location that is out of the reach of small children, so such small parts won't accidentally get swallowed.
- All screws should be tightened provisionally first, then tightened later. To tighten a screw provisionally, screw it in until about half of its length is no longer visible. Do not use an electric screwdriver when tightly securing the screws. Otherwise, you risk stripping the threads.

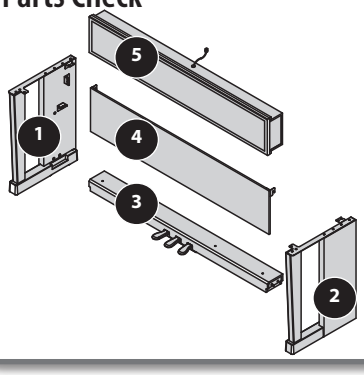
* The screwdriver needed to perform the assembly is not supplied. You'll need to have ready a Phillips screwdriver that matches the size of the screws.

* After firmly tightening all the screws, place the unit at a location that is level and sure to remain stable. The unit must never be placed on top of deep-pile carpet. Otherwise, you risk causing damage to the pedals due to instability and unnecessary movement.

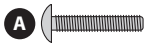
* The surface of the piano unit and the stand are very delicate; handle with care to avoid scratching them.

* Do not place the piano unit directly on the floor. Doing so will damage the bottom panel case and the connectors and holders on the bottom of the piano.

Parts Check



1 Side Board (left)
2 Side Board (right)
3 Pedal Board
4 Rear Board
5 Speaker Box


A Screw (M6 × 40 mm) x 4

B Screw (M5 × 20 mm) x 10

C Screw (M4 × 16 mm) x 2

D Headphone Hook x 1

* You will also need to have Phillips screwdrivers (size: #2, #3).
We recommend that you use the #2 Phillips screwdriver for screws B and C, and the #3 Phillips screwdriver for screws A.

1. Assembly Procedure

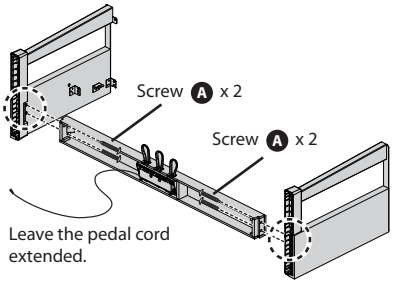
*** At first, assemble the entire stand in a temporary fashion, without really tightening the screws. Then, after checking the overall alignment of the boards (and gently shifting certain parts where necessary), go around and tightly fasten each of the screws.**

*** If necessary, spread out a blanket or similar material to prevent the stand or floor from being scratched during assembly.**

*** Be careful not to pinch the pedal cord during assembly.**

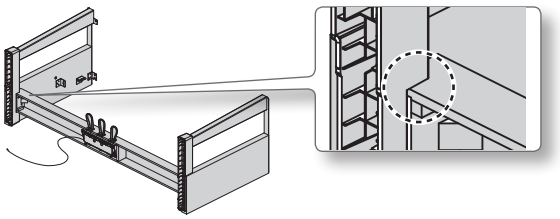
1. As shown in the illustration, place the left and right side boards on the pedal board so that the metal brackets are on the inside, and fasten them provisionally using screws A (M6 x 40 mm).

As seen from the bottom



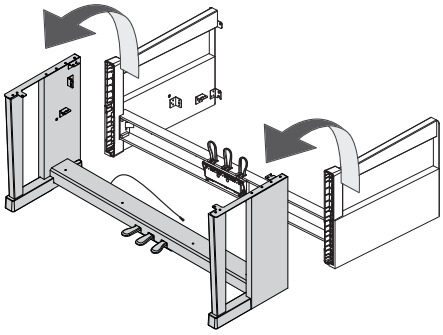
2. Firmly tighten the screws A (four locations) that you tightened provisionally in step 1.

*** Push the pedal board toward the front of the side boards, then assemble them while making sure you leave no gaps.**

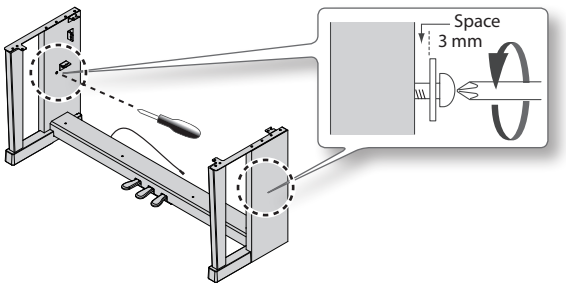


3. With the help of another person, raise the left and right side boards to an upright position.

*** Take care that the pedal boards are not twisted.**



4. Loosen the screws attached to the left and right side boards approximately three turns, so that they protrude about 3 mm, as shown in the illustration.

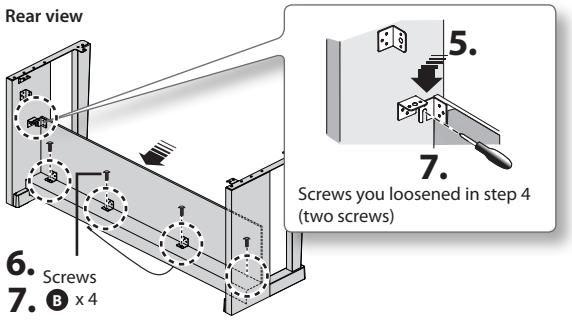


5. Hook the metal brackets of the rear board over the screws you loosened, as shown in the illustration.

6. Use four screws Ⓑ (M5 x 20 mm) to provisionally fasten the pedal board.

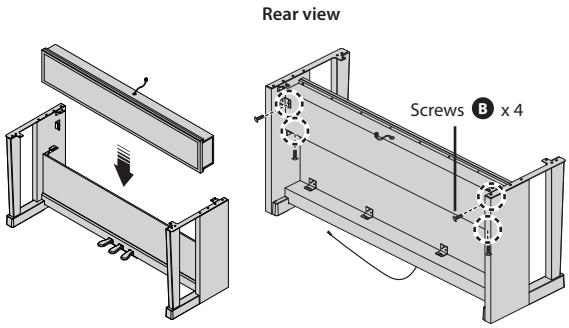
7. Securely tighten the two side board screws and four pedal board screws.

* When attaching the rear board, before tightening the screws, adjust things as necessary at all the points where there are screws so as to assure that the rear board is aligned in parallel with the pedal board.



8. Set the speaker box so that the speaker cable is above it, and align the holes in the metal parts on the inner side of the side boards with the holes in the speaker box.

9. Attach the speaker box to the metal parts on the inside of the side boards from underneath using screws Ⓑ (M5 x 20 mm). Then fasten the rear with screws Ⓑ (M5 x 20 mm) as well.

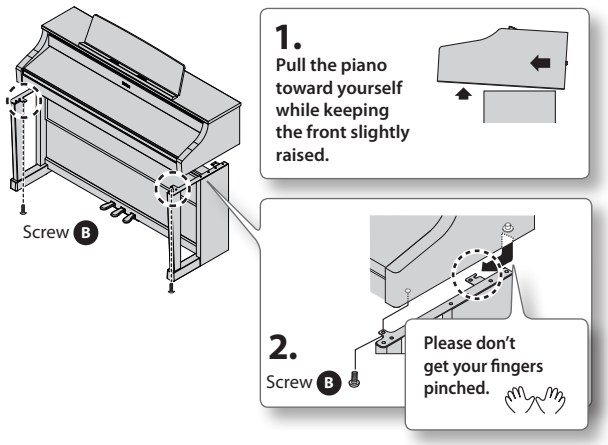


2. Install the Piano onto the Stand

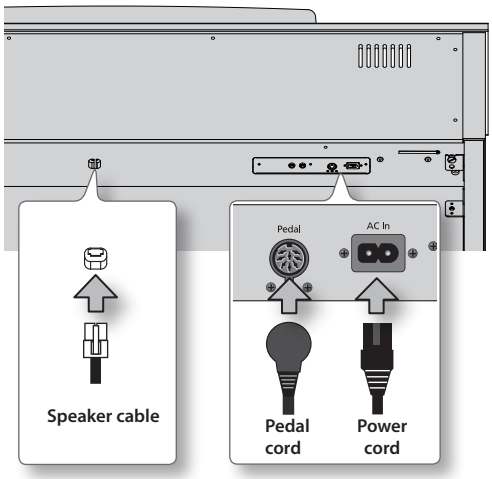
1. Align the screws on the bottom of the piano (one each at left and right) with the metal brackets on the side boards. Then, while lifting the front of the piano one or two centimeters, pull it toward yourself so that the screws engage the metal brackets.

* When handling the piano, firmly grasp it. Be careful, so you do not get your fingers pinched.

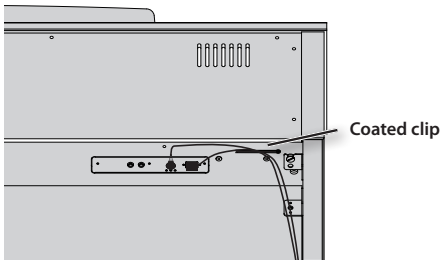
2. Fasten the piano to the stand with the screw Ⓑ (M5×20 mm).



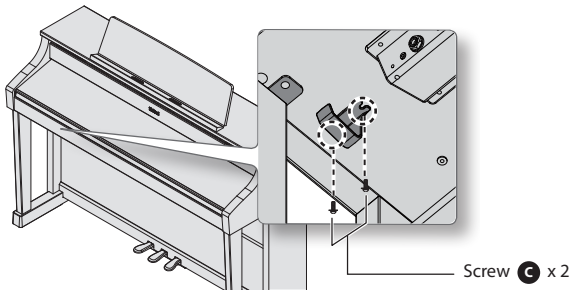
3. Connect the speaker cable to the speaker connector on the bottom of the main unit, connect the Power cord to the AC In jack, and connect the pedal cord to the Pedal connector.



4. As needed, use the plastic-coated clips on the bottom of the piano to secure the power cord and pedal cord.

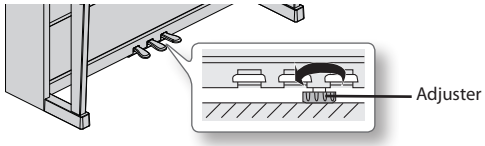


5. Fasten the headphone hook Ⓓ using screws Ⓒ (M4 x 16 mm).



6. Adjust the Adjuster

Turn the adjuster to lower it until the adjuster is in firm contact with the floor. In particular, when you've placed the piano on carpet, you must turn the adjuster until it is pressing firmly against the floor.



* The pedal may be damaged if there is a gap between the adjuster and the floor.

When Moving the Piano

When you need to move the unit, you should first close the keyboard cover, detach the Power cord, and raise the adjusters of the stand. When moving the unit, at least two people should work together and lift the unit carefully, all the while keeping it level, and being very careful so as not to pinch your hands or drop the unit on your feet.

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For EU Countries

UK This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region. Products bearing this symbol must not be discarded together with household waste.

DE Dieses Symbol bedeutet, dass dieses Produkt in EU-Ländern getrennt vom Hausmüll gesammelt werden muss gemäß den regionalen Bestimmungen. Mit diesem Symbol gekennzeichnete Produkte dürfen nicht zusammen mit den Hausmüll entsorgt werden.

FR Ce symbole indique que dans les pays de l'Union européenne, ce produit doit être collecté séparément des ordures ménagères selon les directives en vigueur dans chacun de ces pays. Les produits portant ce symbole ne doivent pas être mis au rebut avec les ordures ménagères.

IT Questo simbolo indica che nei paesi della Comunità europea questo prodotto deve essere smaltito separatamente dai normali rifiuti domestici, secondo la legislazione in vigore in ciascun paese. I prodotti che riportano questo simbolo non devono essere smaltiti insieme ai rifiuti domestici. Ai sensi dell'art. 13 del D.Lgs. 25 luglio 2005 n. 151.

ES Este símbolo indica que en los países de la Unión Europea este producto debe recogerse aparte de los residuos domésticos, tal como esté regulado en cada zona. Los productos con este símbolo no se deben depositar con los residuos domésticos.

PT Este símbolo indica que nos países da UE, a recolha deste produto deverá ser feita separadamente do lixo doméstico, de acordo com os regulamentos de cada região. Os produtos que apresentem este símbolo não deverão ser eliminados juntamente com o lixo doméstico.

NL Dit symbool geeft aan dat in landen van de EU dit product gescheiden van huishoudelijk afval moet worden aangeboden, zoals bepaald per gemeente of regio. Producten die van dit symbool zijn voorzien, mogen niet samen met huishoudelijk afval worden verwijderd.

DK Dette symbol angiver, at i EU-lande skal dette produkt opsamles adskilt fra husholdningsaffald, som defineret i hver enkelt region. Produkter med dette symbol må ikke smides ud sammen med husholdningsaffald.

NO Dette symbolet indikerer at produktet må behandles som spesialavfall i EU-land, iht. til retningslinjer for den enkelte regionen, og ikke kastes sammen med vanlig husholdningsavfall. Produkter som er merket med dette symbolet, må ikke kastes sammen med vanlig husholdningsavfall.

SE Symbolen anger att i EU-länder måste den här produkten kasseras separat från hushållsavfall, i enlighet med varje regions bestämmelser. Produkter med den här symbolen får inte kasseras tillsammans med hushållsavfall.

FI Tämä merkintä ilmaisee, että tuote on EU-maissa kerättävä erillään kotitalousjätteistä kunkin alueen voimassa olevien määräysten mukaisesti. Tällä merkinnällä varustettuja tuotteita ei saa hävittää kotitalousjätteiden mukana.

HU Ez a szimbólum azt jelenti, hogy az Európai Unióban ezt a terméket a háztartási hulladéktól elkülönítve, az adott régióban érvényes szabályozás szerint kell gyűjteni. Az ezzel a szimbólummal ellátott termékeket nem szabad a háztartási hulladék közé dobni.

PL Symbol oznacza, że zgodnie z regulacjami w odpowiednim regionie, w krajach UE produktu nie należy wyrzucać z odpadami domowymi. Produktów opatrzonych tym symbolem nie można utylizować razem z odpadami domowymi.

CZ Tento symbol udává, že v zemích EU musí být tento výrobek sbírán odděleně od domácího odpadu, jak je určeno pro každý region. Výrobky nesoucí tento symbol se nesmí vyhazovat spolu s domácím odpadem.

SK Tento symbol vyjadruje, že v krajinách EÚ sa musí zber tohto produktu vykonávať oddelene od domového odpadu, podľa nariadení platných v konkrétnej krajine. Produkty s týmto symbolom sa nesmú vyhadzovať spolu s domovým odpadom.

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LT Šis simbolis rodo, kad ES šalyse šis produktas turi būti surenkamas atskirai nuo buitinių atliekų, kaip nustatyta kiekviename regione. Šiuo simboliu paženklinti produktai neturi būti išmetami kartu su buitinėmis atliekomis.

LV Šis simbols norāda, ka ES valstīs šo produktu jāievāc atsevišķi no mājsaimniecības atkritumiem, kā noteikts katrā reģionā. Produktus ar šo simbolu nedrīkst izmest kopā ar mājsaimniecības atkritumiem.

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GR Το σύμβολο αυτό υποδηλώνει ότι στις χώρες της Ε.Ε. το συγκεκριμένο προϊόν πρέπει να συλλέγεται χωριστά από τα υπόλοιπα οικιακά απορρίμματα, σύμφωνα με όσα προβλέπονται σε κάθε περιοχή. Τα προϊόντα που φέρουν το συγκεκριμένο σύμβολο δεν πρέπει να απορρίπτονται μαζί με τα οικιακά απορρίμματα.

For China

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本资料就本公司产品中所含的特定有害物质及其安全性予以说明。

本资料适用于 2007 年 3 月 1 日以后本公司所制造的产品。

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因根据现有的技术水平，还没有什么物质能够代替它。

For EU Countries

This product complies with the requirements of EMCD 2004/108/EC and LVD 2006/95/EC.

For the USA

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
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For Canada

CAN ICES-3 (B)/NMB-3 (B)

For Korea

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For C.A. US (Proposition 65)

WARNING

This product contains chemicals known to cause cancer, birth defects and other reproductive harm, including lead.

For the USA

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Jadeh Makhsous Karaj (K-9),
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Jalal Street, Reza Alley No.4
Tehran 1389716791, IRAN
TEL: (021)-44545370-5

ISRAEL
Halilit P. Greenspoon & Sons Ltd.
8 Retzif Ha'alia Hashnia St.
Tel-Aviv-Yafo ISRAEL
TEL: (03) 6823666

JORDAN
MUSIC HOUSE CO. LTD.
FREDDY FOR MUSIC
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KUWAIT
EASA HUSAIN AL-YOUSIFI & SONS CO.
Al-Yousifi Service Center
P.O.Box 126 (Safat) 13002,
KUWAIT
TEL: 00 965 802929

LEBANON
Chahine S.A.L.
George Zeidan St., Chahine Bldg.,
Achrafieh, P.O.Box: 16-5857
Beirut, LEBANON
TEL: (01) 20-1441

OMAN
TALENTZ CENTRE L.L.C.
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Al Noor Street, Ruwi
SULTANATE OF OMAN
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QATAR
AL-EMADI TRADING & CONTRACTING CO.
P.O. Box 62, Doha, QATAR
TEL: 4423-554

SAUDI ARABIA
Adawliah Universal Electronics APL
Behind Pizza Inn
Prince Turkey Street
Adawliah Building,
PO BOX 2154,
Al Khobar 31952,
SAUDI ARABIA
TEL: (03) 8643601

SYRIA
Technical Light & Sound Center
PO Box 13520 Bldg No.49
Khaled Abn Alwalid St.
Damascus, SYRIA
TEL: (011) 223-5384

U.A.E.
Adawliah Universal Electronics APL
Omar bin alkhattab street, fish
round about, nayef area, deira,
Dubai, U.A.E.
TEL: (04) 2340442

NORTH AMERICA

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Mississauga On L5T 2N6,
CANADA
TEL: (905) 362 9707

U. S. A.
Roland Corporation U.S.
5100 S. Eastern Avenue
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