



KURZWEIL

M230 USER'S MANUAL

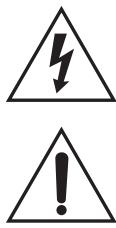
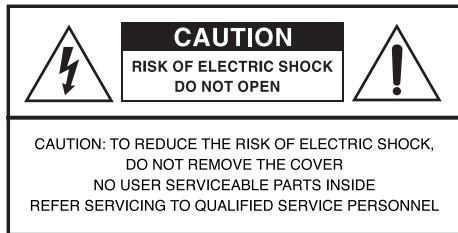
English Manual

HDC YOUNG CHANG
MUSIC



KURZWEIL





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

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

IMPORTANT SAFETY & INSTALLATION INSTRUCTIONS

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

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

1. Read all of the Safety and Installation Instructions and Explanation of Graphic Symbols before using the product.
2. Do not use this product near water-for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. This product should only be used with a stand or cart that is recommended by the manufacturer.
4. This product, either alone or in combination with an amplifier and speakers or headphones, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be located so that its location or position does not interfere with its proper ventilation.
6. This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. This product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
8. This product may be equipped with a polarized line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.

9. The power supply cord of the product should be unplugged from the outlet when left unused for a long period of time. When unplugging the power supply cord, do not pull on the cord, but grasp it by the plug.
10. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
11. The product should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged;
 - B. Objects have fallen, or liquid has been spilled into the product;
 - C. The product has been exposed to rain;
 - D. The product does not appear to be operating normally or exhibits a marked change in performance;
 - E. The product has been dropped, or the enclosure damaged.
12. Do not attempt to service the product beyond that described in the user maintenance instructions. All other servicing should be referred to qualified service personnel.
13. **WARNING :** Do not place objects on the product's power supply cord, or place the product in a position where anyone could trip over, walk on, or roll anything over cords of any type. Do not allow the product to rest on or be installed over cords of any type. Improper installations of this type create the possibility of a fire hazard and/or personal injury.

RADIO AND TELEVISION INTERFERENCE

WARNING : Changes or modifications to this instrument not expressly approved by KURZWEIL could void your authority to operate the instrument.

IMPORTANT : When connecting this product to accessories and/or other equipment use only high quality shielded cables.

NOTE : This instrument 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 instrument 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 instrument does cause harmful interference to radio or television reception, which can be determined by turning the instrument off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

The normal function of product may be disturbed by strong electro magnetic

interference. If so, simply reset the product to resume normal operation by following the instruction manual.

In case the function could not resume, please use the product in other location.

- Reorient or relocate the receiving antenna.
- Increase the separation between the instrument and the receiver.
- Connect the instrument into an outlet on a circuit other than the one to which the receiver is connected.
- If necessary consult your dealer or an experienced radio/television technician for additional suggestions.

NOTICE : This apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

AVIS : Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la class B prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

SAVE THESE INSTRUCTIONS



IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 11. Only use attachments / accessories specified by the manufacturer.
 12. Use only with a 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.
15. Allow adequate ventilation for the power adapter. Do not hide it under a carpet or behind a curtain or place it in an enclosed space where heat buildup can occur.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment. To completely disconnect this equipment from the AC Mains, disconnect the power supply cord plug from the AC receptacle.





Kurzweil International Contacts

Contact the appropriate Kurzweil office listed below to locate your local Kurzweil representative.

US Customers:

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Fax: 310 637-2025

Customers outside the US:

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Gyeonggi-Do 463-859
South Korea
Tel: +82 31 786 7900
www.ycpiano.co.kr
www.youngchang.com



WWW

www.kurzweil.com



support@kurzweil.com



www.facebook.com/kurzweilmusicsystems/



www.twitter.com/KurzweilMusic



www.youtube.com/user/KurzweilTutorials



Important Safety & power supply instructions

Power supply

This product must be used on AC220V 50Hz/60Hz DC18V 1A.
Please use a voltage booster in 110V area.

You must use the adaptor provided. If you use other adaptors,
it could make serious damages

Warning



For the safety in use, please read all of the warnings and instructions
on this manual.

- ① Do not use this product near water-for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
- ② This product should be connected to a power supply only of the voltage type described in the operating instructions or as marked on the product.
- ③ In the place using other type of power supply, please use an appropriate booster after asking sales person.
- ④ Use a rating fuse when you need to change it.
- ⑤ Use a door knob to open and close the dust cover. Be careful of fingers.

Important Safety instructions.



- ① Avoid the strong shock that can cause break down.
- ② When moving it, be careful of keyboard and switch.
- ③ Place the main volume at the minimum before turning on.
Control the volume step by step after turning it on.
- ④ Do not attempt to open the body. It must be the cause of break down because there are many precision parts in the piano.
- ⑤ Turn it off after using.
- ⑥ The power supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
- ⑦ Do not handle the knob and switch too much hard.



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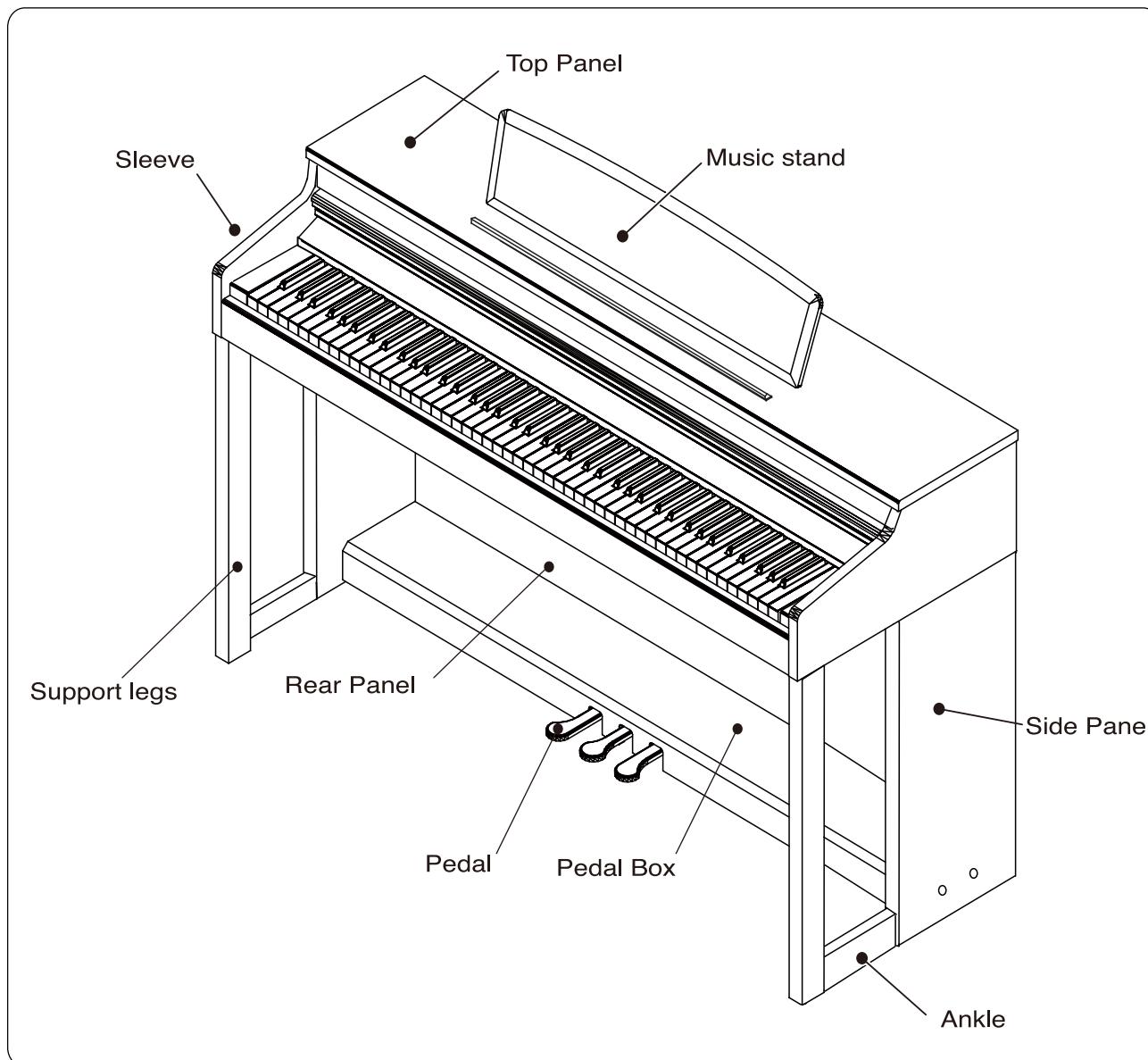
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Chapter 1 Piano Assembly

1. The name of each part

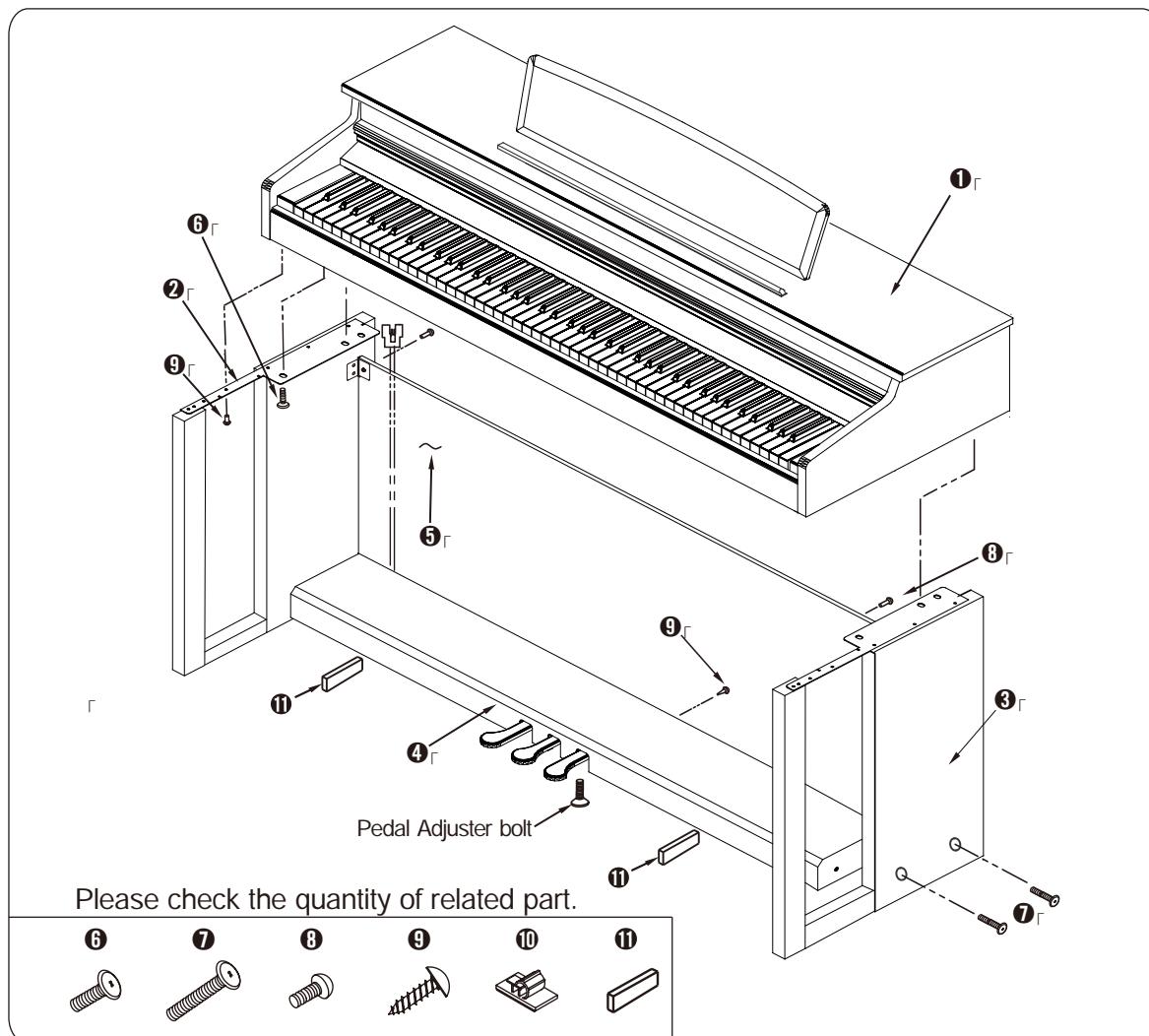




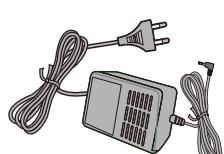
Chapter 1 Piano Assembly

Check that all of the following items are present.

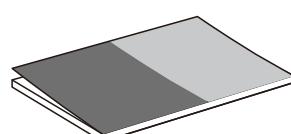
❶ Keyboard	1 EA	❻ Screws for side panel and keyboard	4 EA
❷ Side panel of stand(Left)	1 EA	❼ Screws for side panel and pedal box	4 EA
❸ Side panel of stand(Right)	1 EA	❽ Screws for rear panel	2 EA
❹ Pedal box	1 EA	❾ Screws for rear panel and side panel	6 EA
❺ Real panel	1 EA	❿ Cord holder	2 EA
		❻ Support block for pedal box	2 EA



Accessories



Power Adapter



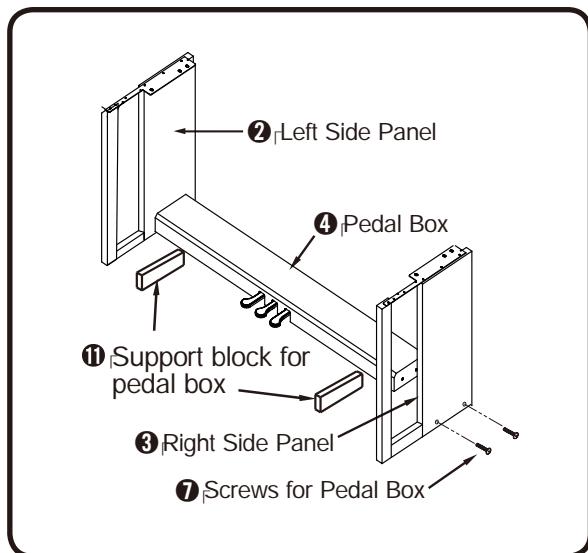
User manual



Chapter 1 Piano Assembly

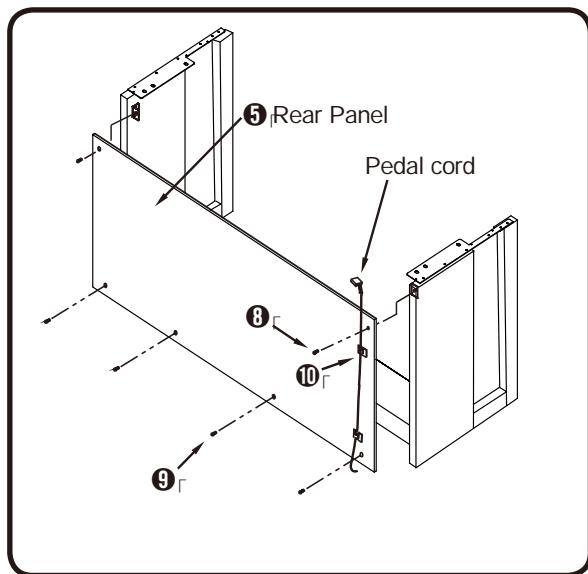
1. Stand Assembly

Side Panel and Pedal Box Assembly

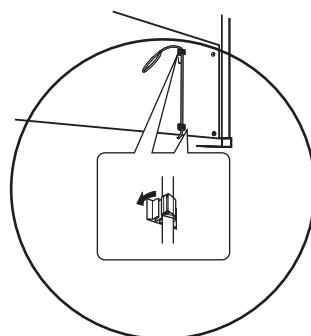


- ① You can find the pedal cable in the pedal box ④. Untie and straighten out the bundled pedal cable.
- ② Place the pedal box ④ on the support block for pedal box ⑪. Then it will be the same as the position of the left side panel ② holes. It can be easily fastened by using the screw bolts ⑦.
- ③ The right side panel ③ is also fastened the same way

Rear Panel Assembly



- ① Fit into the rear panel's ⑤ hole in the side panel brackets and then use the screws ⑧ to fasten the rear panel.
- ② Use the screws ⑨ to fasten the bottom of the rear panel.

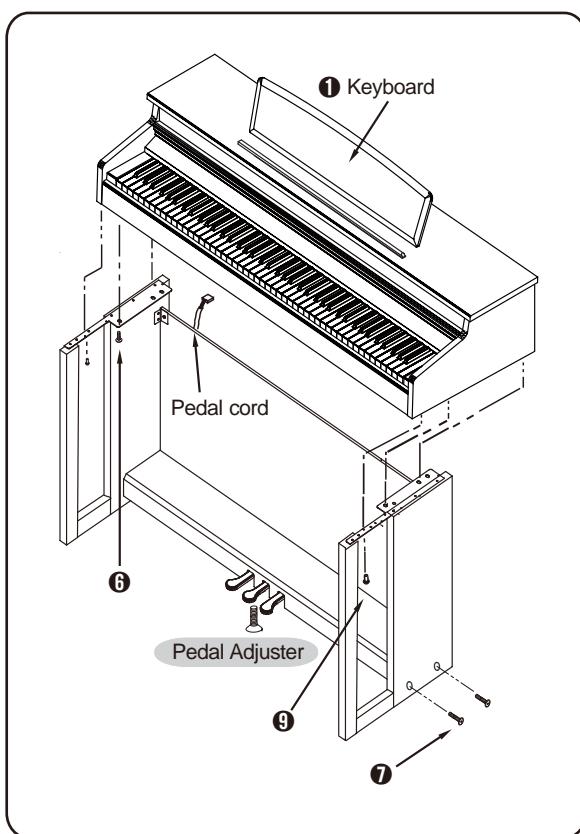


Attach the pedal cord holders ⑩ to the rear panel as shown, then clip the cord into the holders



Chapter 1 Piano Assembly

Mounting the keyboard



① Place the keyboard on the stand and fit into the holes in the side panel brackets.

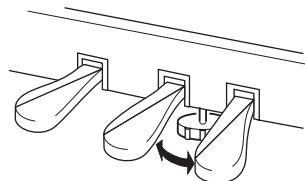
② Fasten the keyboard to the side panel using screws⑥.

CAUTION : Have a second person hold the keyboard steady until the side panel screws are installed.

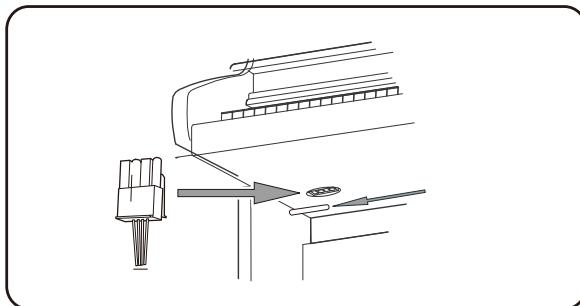
③ Fasten between the keyboard and the leg using screws⑨.

④ Insert the pedal cable plug into the pedal jack located on the bottom of the keyboard.

⑤ Rotate the pedal adjuster until it comes in firm contact with the floor surface. If the adjuster is not in firm contact with the floor, the pedals will wobble and may malfunction.

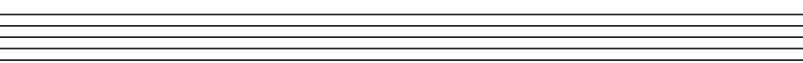


Pedal cord connection

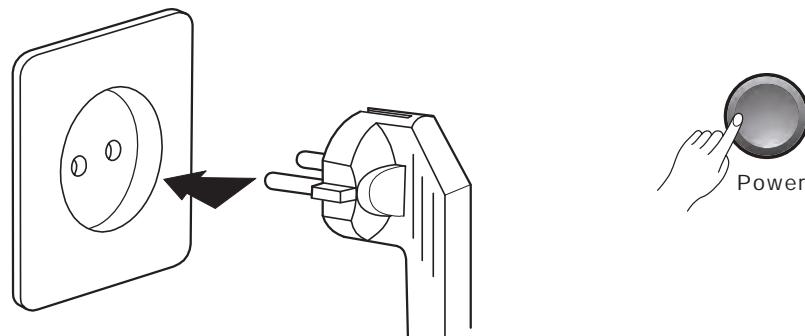


Insert the pedal cord plug to the pedal jack from the rear.

- Connect the pedal cord after assembly is complete.
- If the connection is incorrect the pedal will not work.



2. Applying Power



① Connecting the power cord

First insert the plug of the AC power cord into the AC connector on the Adaptor, then plug the other end of the cord into the proper AC outlet on the wall. In some areas a plug adaptor may be provided to match the pin configuration of the AC wall outlets in your area.

② Plug the thin DC power cord into the DC Power Jack on the back of the piano.

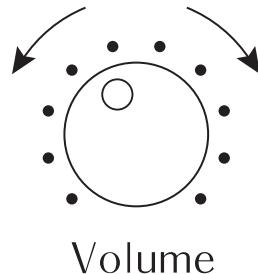
③ Turn the power on

Press the power switch located on the right cheek block to turn the power on. The display located in the center of the front panel should light with various patterns and after a short time display "GRAND PIANO".

CAUTION

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

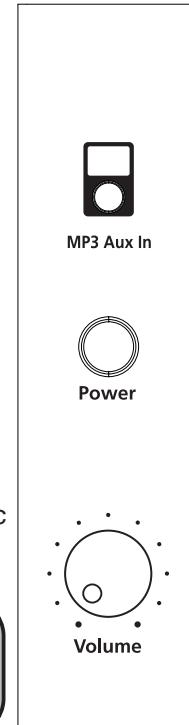
3. Setting the Volume



To adjust the volume, use the [Volume] knob located on the right cheek block. Play the keyboard while you adjust the knob to a comfortable and realistic volume.

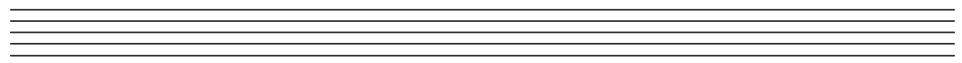
NOTE

Adjusting the [Volume] knob also affects the output level of the Phones jacks and the output level of the Audio Out jacks.

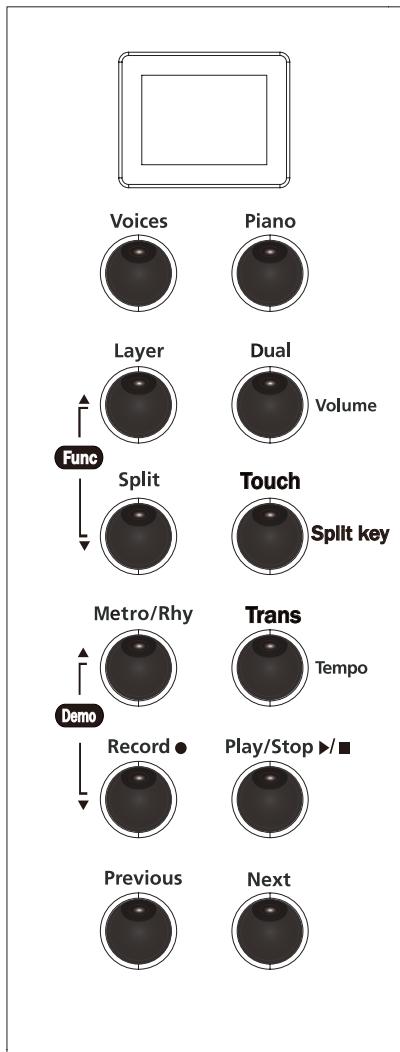
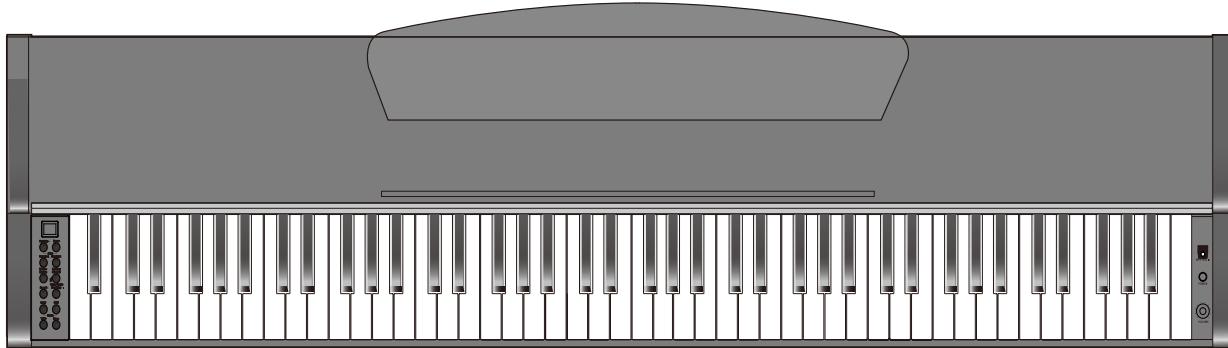




Chapter 2 Front Panel



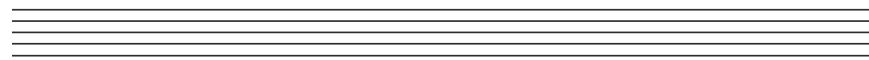
1. Main Buttons



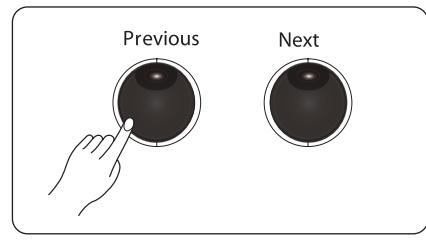
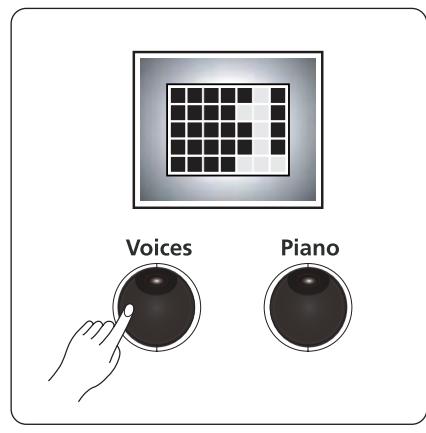
- ① Voices button
Select up to 30 sound styles. Press the [Voices] button, then use the [Next] or [Previous] button to select the desired sound style.
- ② Piano button
Select "Grand Piano" sound.
- ③ Layer button
You can layer two voices and play them simultaneously to create a thicker and richer sound.
- ④ Split button
For playing different voices on the left-hand and right-hand section of the keyboard.
- ⑤ Demo button
You can choose a variety of rhythms to accompany your performance. This system provides 45 sonatinas and 50 piano instrumentals.
- ⑥ Metronome button
Select the Metronome.
- ⑦ Record button
For recording your keyboard performance.
- ⑧ Play/Stop button
These control playback of or stop the demonstration songs and your recorded song.
- ⑨ Previous button
Use these button, you can change voice or choose the settings. The value will be decreese.
- ⑩ Next button
Use these button, you can change voice or choose the settings. The value will be increese.



Chapter 3 Selecting Sounds



1. Selecting Sounds



Use the [Voices] button and the [Piano] button.

- 1) Press the [Voices] button.
- 2) Use the [Previous] or [Next] button to select the desired sound style.

If you want to play the Grand Piano voice immediately, press the [Piano] button to set current voice to No1 "Concert Piano". And then the selected sound name will display.

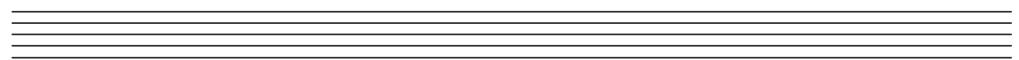
2. List of Voices

No.	Voice Name
1	Concert Piano
2	Grand Piano
3	E.Piano 1
4	E.Piano 2
5	Harpsichord
6	Vibraphone
7	Pop Organ
8	Church Organ
9	Reed Organ
10	A.Nylon Guitar
11	A.Steel Guitar
12	Overdrive Gt
13	Acoustic Bass
14	Finger E.Bass
15	Slap Bass 1

No.	Voice Name
16	Violin
17	Cello
18	Pizzicato St
19	String Ens.1
20	Synth Sting1
21	Choir Aahs
22	Trumpet
23	Brass Section
24	Alto Sax
25	Oboe
26	Flute
27	Ocarina
28	Fantasia
29	Crystal
30	Standard Set

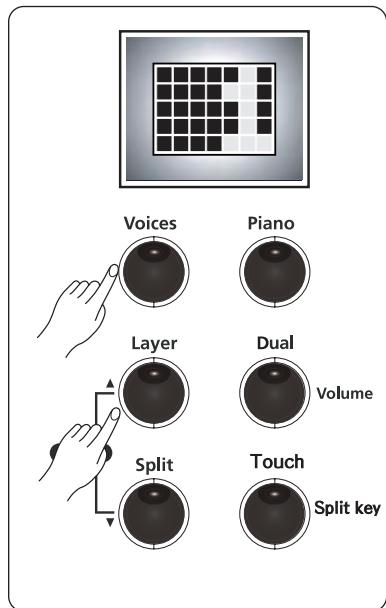


Chapter 4 Layering



Layering Two Sounds

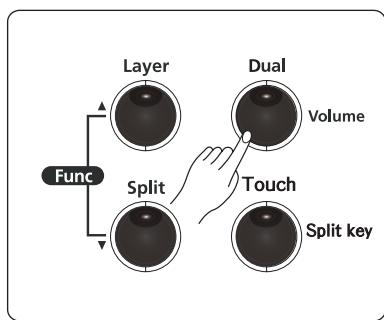
You can layer two different voices in the same category, and create a composite voice of greater richness and texture.



Use the [Voices] or the [Piano] button to select the primary voice.

Press the [Layer] button, and then use the [Voices] or the [Piano] button to select the secondary voice.

The secondary voice number will display.

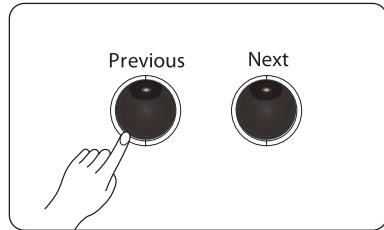


Setting the Layer Volume:

After press the [Layer] button, and press the [Volume] button, and then use the [Previous] or the [Next] button to adjust the Layer volume.

Default volume level: 0

Available control range: -5 ~ +5

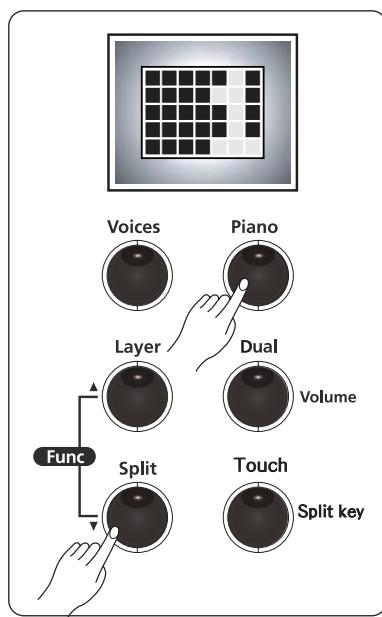




Chapter 5 Splitting

1. Splitting the Keyboard

Split mode enables you to play two different voices on the keyboard.

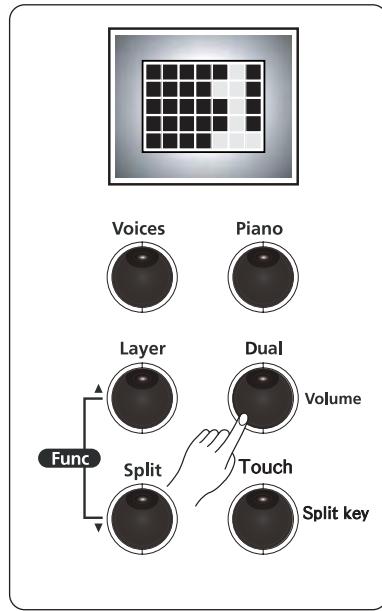
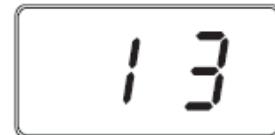


Use the [Voices] button or the [Piano] button to select the primary voice of the upper region on the keyboard.



Press the [Split] button, and use the [Voices] button or the [Piano] button to select the secondary voice.

When press the [Split] button, A. Bass sound is selected in the F3 below.



Split Volume:

After press the [Split] button, and press the [Volume] button, and then use the [Previous] or the [Next] button to adjust the Split point.

Default Split volume level: 0

Available control range: -5 ~ +5

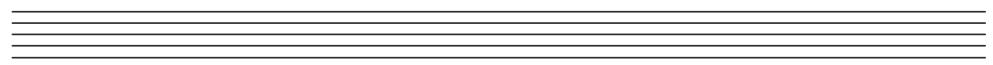
The Split sound is raised automatically one octave.

Split Point:

Press the [Split] button, and press one of the keyboard to change the Split point.



Chapter 6 Function

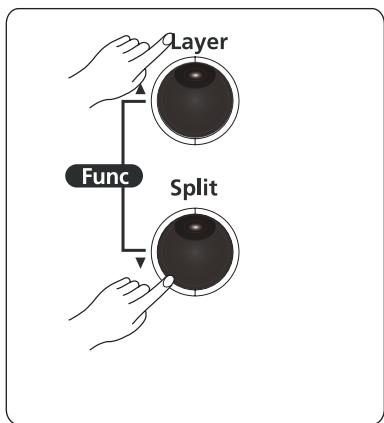


Function Mode

1	Accompaniment
2	Style Volume
3	Brilliance
4	Tune
5	Reverb
6	Reverb Volume

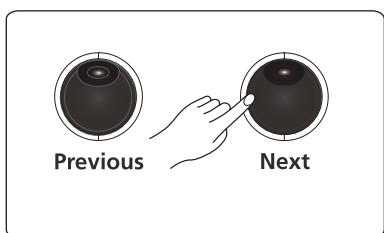
7	Effect Level
8	Effect Volume
9	Temperaments
10	Demo Repeat
11	Local Control

Selecting a Function



To enter the Function mode, press the [Layer] and the [Split] button at the same time.

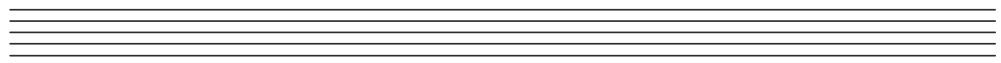
Use the [Layer] button or the [Split] button to select the sub menu in function mode.



Use the [Previous] button or [Next] button to adjust the each Sub Menu values.



Chapter 6 Function



1. Accompaniment

Turn the Accompaniment function on or off.

Press the [Function] button.

The system will display the "Acc OFF" and the current accompaniment status.

Use the [Previous] or [Next] button to change the Accompaniment mode.

When Accompaniment mode is off, the system will playback the rhythm pattern only.

2. Style Volume

Adjust the Accompaniment Volume level.

Press the [Function] button and use the [Layer] button to select the "Acc Volume".

The default value is 0.

Use the [Previous] or [Next] button to adjust the Rhythm Volume level.

The available control range is -5 to +4.

3. Brilliance

Adjust the Brilliance level.

Press the [Function] button and use the [Layer] button to select the "Brilliance".

The default value is 64.

Use the [Previous] or [Next] button to adjust the Brilliance level.

The available control range is 0 to 127.

4. Tune

Tune the pitch up or down.

Press the [Function] button and use the [Layer] button to select the "Tune".

The default value is 0.

Use the [Previous] or [Next] button to adjust the pitch.

The available control range is -50 to +50.

5. Reverb

Adjust the Reverb.

Press the [Function] button and use the [Layer] button to select the "Reverb".

The default value is Room2.

Use the [Previous] or [Next] button to adjust the value.

The selectable mode is Off, Room1, Room2, Hall1, and Stage.