

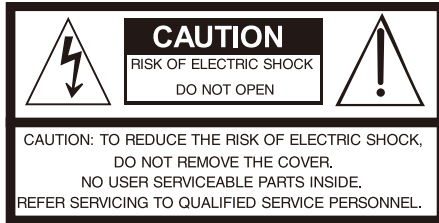
KURZWEIL®

CUP 410

USER'S MANUAL

English Manual

HDC YOUNG CHANG



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



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

IMPORTANT SAFETY & 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 the Safety and Installation Instructions and Explanation of Graphic Symbols before using the product.
2. This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a power supply cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances.
DANGER: Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Do not modify the plug provided with the product – if it will not fit the outlet, have a proper outlet installed by a qualified electrician. Do not use an adaptor which defeats the function of the equipment-grounding conductor. If you are in doubt as to whether the product is properly grounded, check with a qualified serviceman or electrician.
3. 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.
4. This product should only be used with a stand or cart that is recommended by the manufacturer.
5. 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 a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
6. This product should be located so that its location or position does not interfere with its proper ventilation.
7. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
8. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
9. 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.
10. 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.
11. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
12. 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.
13. 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.
14. **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 the instrument not expressly approved by Young Chang 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:

- 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.

The normal function of this 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 another location.

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 présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère 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. 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. 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.
- 9) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 10) Only use attachments/accessories specified by the manufacturer.
- 11) 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.
- 12) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



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

American Music & Sound
925 Broadbeck Dr #220
Newbury Park, CA 91320
Tel: 800-431-2609
Fax: 818-597-0411
Email: info@americanmusicandsound.com

Customers outside the US:

HDC Young Chang Co., LTD.
Tel: +82 32 570 1000

www.hdc-youngchang.com



WWW

www.kurzweil.com



support@kurzweil.com



www.facebook.com/kurzweilmusicsystems/



www.twitter.com/KurzweilMusic



www.youtube.com/user/KurzweilTutorials

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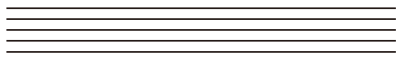
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Chapter 1 Introduction

Thanks for purchasing an HDC Young Chang digital piano.
Please enjoy exploring the variety of features as well as the beautiful preset Programs with the help of this manual.

Primary Features

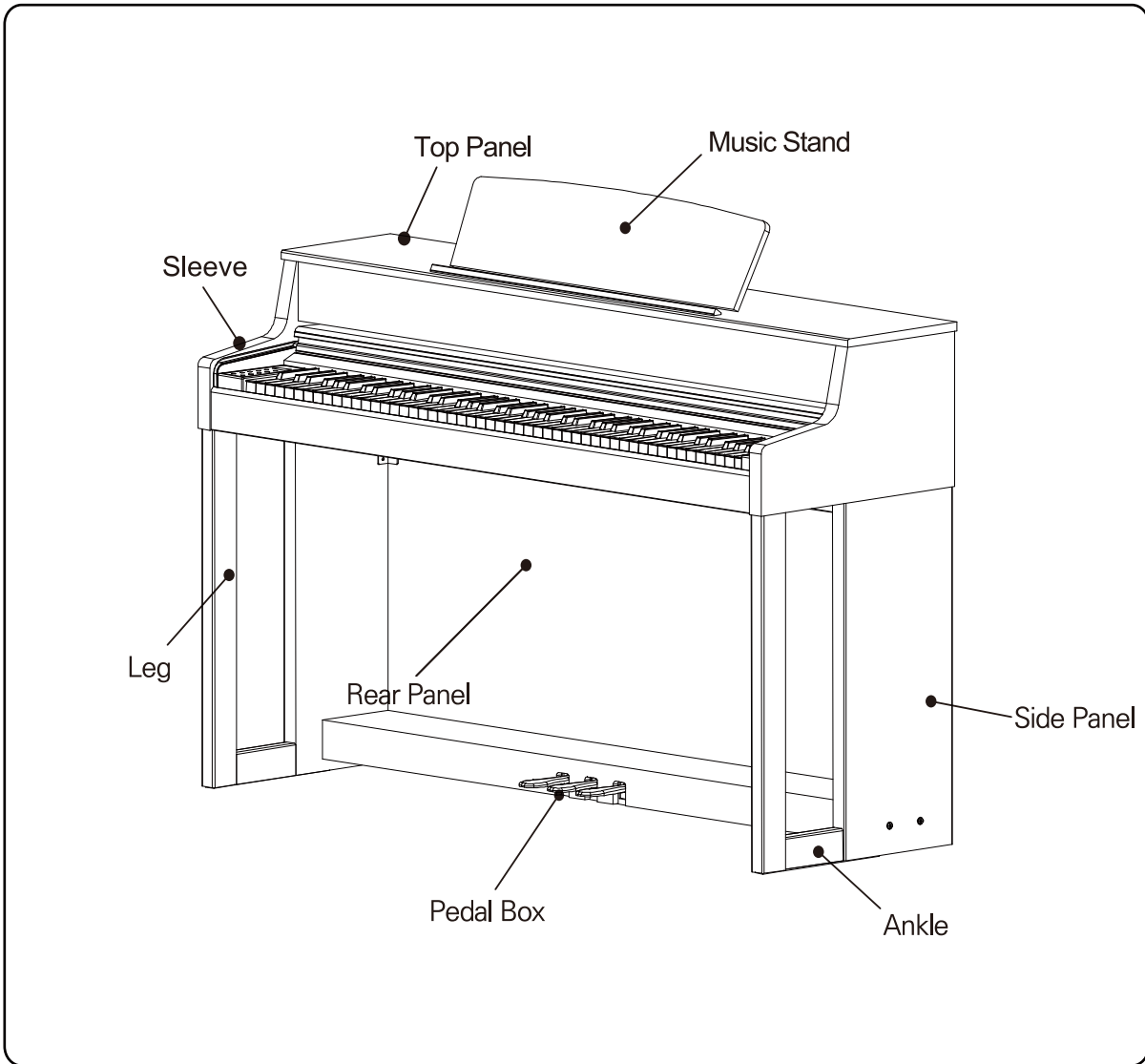
- 88-Note graded hammer-action keyboard with 3-point velocity sensor
- 256 note Polyphony
- 50 Preset Programs (including user presets)
- String Resonance, Damper Resonance, Key-off sample (only for piano program)
- 8 Metronome + 10 Drum patterns
- Bluetooth 5.0 Audio reception and remote control function
- USB MIDI and Audio Interface functions
- 70W (25W X 2, 10W X 2) and 4 Speakers sound system
- Two Headphone jacks
- 3 Pedals : Soft, Sostenuto, Sustain (Supports Half-Damper function)



Chapter 2 Assembly and Set up

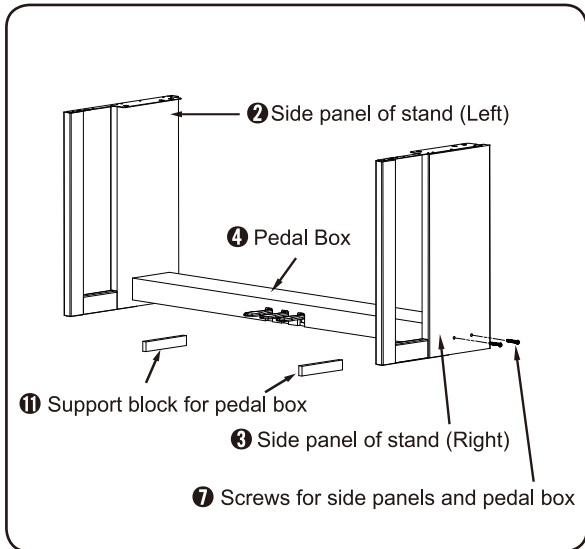
1. Setting Up the CUP410

Part name



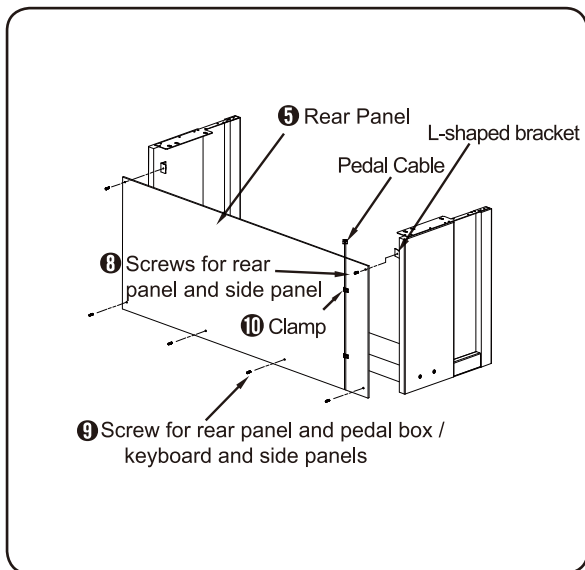
Chapter 2 Assembly and Set up

Side Panels 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**. So that the hole heights match, then fasten left side panel **2** with screws **7**.
- 3) Assemble the right side panel **3** in the same way.

Rear panel assembly



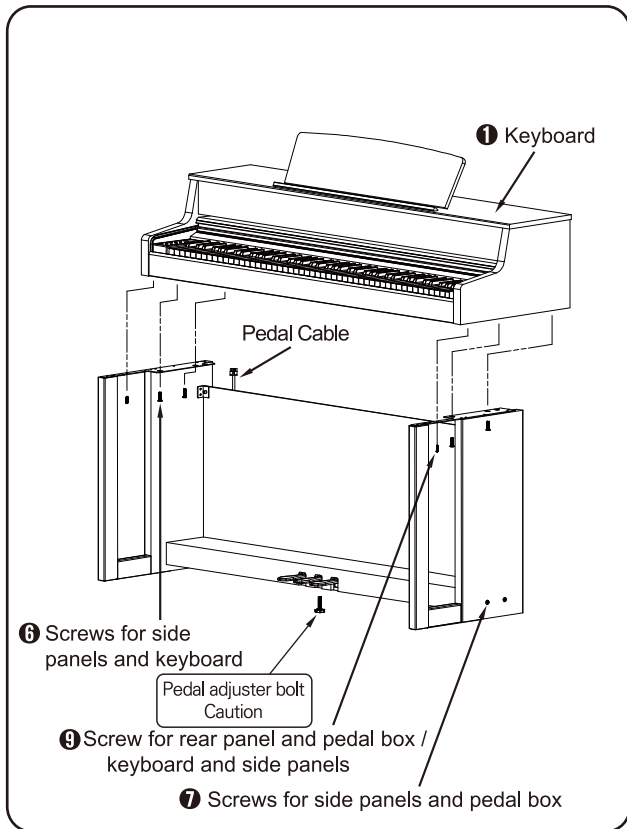
- 1) As shown in the figure, align the rear panel **6** with the holes in the L shaped bracket and tighten with screws **8**.
- 2) The lower part of rear panel is assembled with the pedal box **4** with 4 screws **9**.
- 3) After rear panel assembly, attach the pedal cable with the cable clamps **10**.

▲ Note:

After the rear panel **6** assembly is complete, fix the pedal cable.

Chapter 2 Assembly and Set up

Attach the keyboard

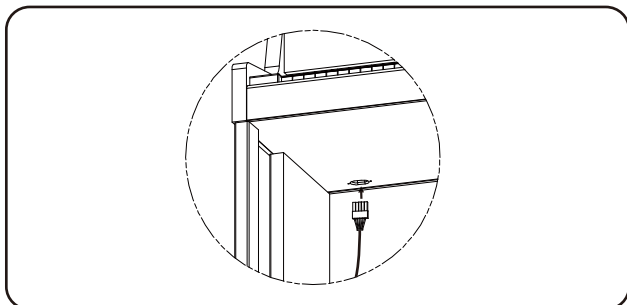


- 1) Place the keyboard on the stand so that the wood pegs on the bottom of the keyboard fit into the holes in the side panel brackets.
- 2) Use screws ⑥ to fasten the keyboard to the stand.
- 3) Fasten the screw ④ between the side panel and the Keyboard.
- 4) Connect the pedal cable to the keyboard.(see detail below)
- 5) After moving the keyboard to the installation place, the pedal adjuster bolt under the pedal box must be adjusted until it touches the ground.

▲ Note

To prevent the body from falling forward, do not press down on the keyboard area before tightening the bolt. Also, be careful not to damage the pedal box from external loads when playing. If the pedal support adjuster bolt does not touch the floor, pressing pedal may damage the pedal box.

How to connect the pedal cable



- 1) After assembly is complete, connect the pedal cable to the connector on the bottom of the body.
- 2) Align the pins correctly and push it up until it clicks.
If the pins do not fit correctly, the pedal may not work
- 3) Organize the wiring using a cable clamp.

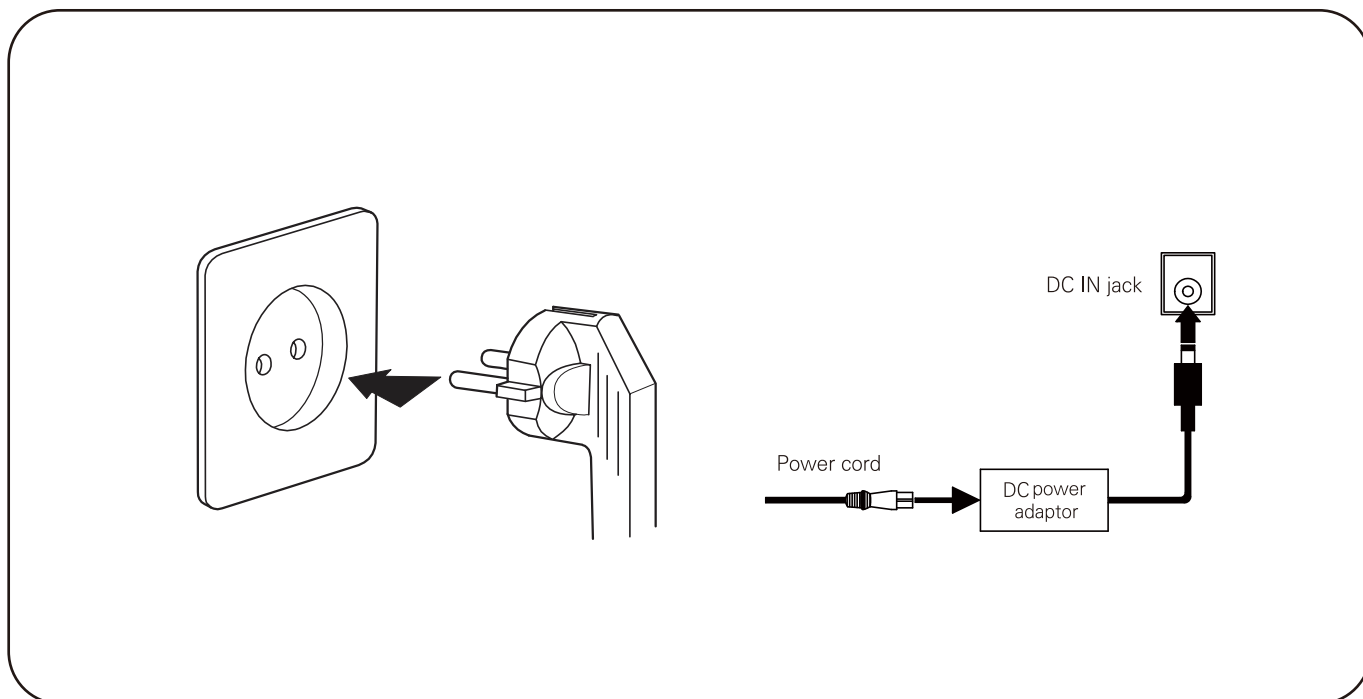
▲ Note

If not connected or loosely connected, the pedal will not work. After moving the piano to the installation place, loosen the pedal support bolt under the pedal box until it touches the floor.

Chapter 2 Assembly and Set up

Power Connection

The CUP410's power is supplied by a DC power adapter. Connect the power adapter to the DC receptacle on the rear panel of the CUP410. Then connect the power cord to an AC outlet.



▲ The shape of this plug differs depending on local.

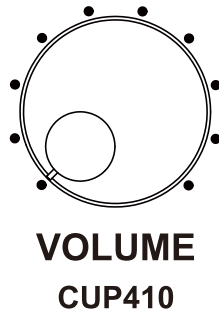
CAUTION : Please use the supplied DC power adapter. (15V, 2.5A)

Using the wrong DC power adapter may cause damage to the product.

If the adapter is damaged or the adapter is lost, please contact your HDC Young Chang dealer.

Chapter 3 Overview

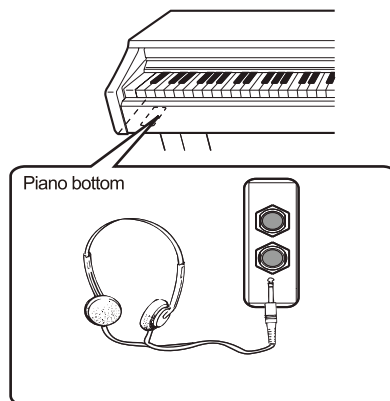
1. Volume



Before turning on the CUP410, please set the volume to its minimum setting.
For a generally comfortable level of volume while playing, set the knob to its middle position.

The main volume control knob is located under the power button on the right panel (Cheek Block).
Turning it to the left decreases the volume, and to the right increases the volume.

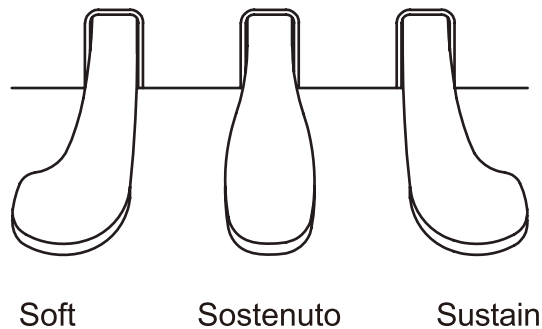
2. Headphone Jacks



The CUP410 has two 1/4" headphone jacks conveniently located on the left front edge of the keyboard bottom. Plugging in headphones provides privacy during practice. The two jacks produce the same sound, so two people can play together or listen to music at the same time.

3. Pedals

Digital piano pedals have the same function as those on a Grand Piano. Therefore, the silent pedal function of an Upright Piano is not supported. Please use the volume control to disable the sound.



Sustain

It also called the damper pedal of an acoustic piano. Pressing this pedal causes all notes to sustain, or gradually fade out, even when you lift your fingers from the keys. When using a Piano Program, a half-damper pedal function with adjustable duration is also supported.

Soft

Notes played while this pedal is down sound softer than those played when the pedal is up.

Sostenuto

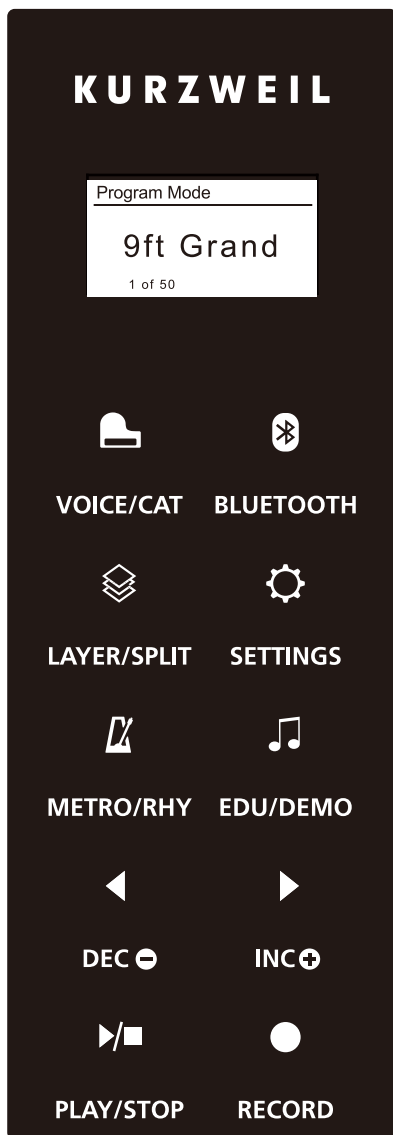
Keys that are already held down at the time this pedal is pressed will sustain while any keys played after the pedal is down will not.

Note If a pedal does not work, check that the cable connecting the pedal box and the CUP410 Keyboard is properly connected. (See page 8)

Chapter 3 Overview

4. Left Panel

Buttons



VOICE/CAT Button

Enters program mode.



BLUETOOTH Button

Activates the Bluetooth audio function and remote control of the Bluetooth audio device.



LAYER/SPLIT Button

Enters user program edit mode.



Setting Button

Changes various settings of the CUP410.



METRO/RHY Button

You can turn the metronome or rhythm on and off.



EDU/DEMO Button

Turn demonstration songs or education function on and off.



DEC-/INC+ Button

Used to move items or set values.



PLAY/STOP Button

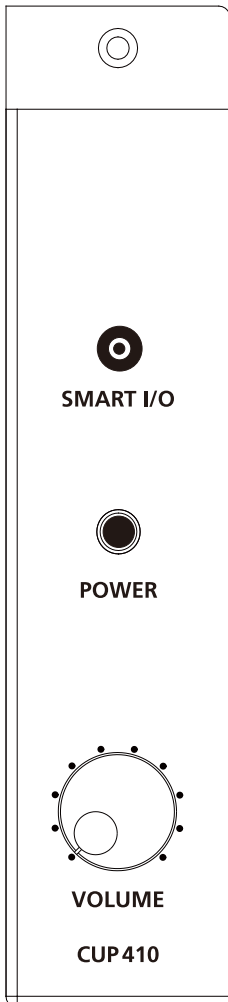
Use for demonstration songs, recorded songs, and Bluetooth device playback.



RECORD Button

Use this to record your songs or to pair your Bluetooth device.

5. Right Panel



SMART I/O

This jack connects to the headphone jack of a smart device using the dedicated cable included with your by CUP410. The CUP410 receives the stereo audio output from the smart device and outputs it to the speakers or headphones. The sound played on the CUP410 can be transmitted as a mono audio signal to the smart device and recorded on the smart device.

POWER Button

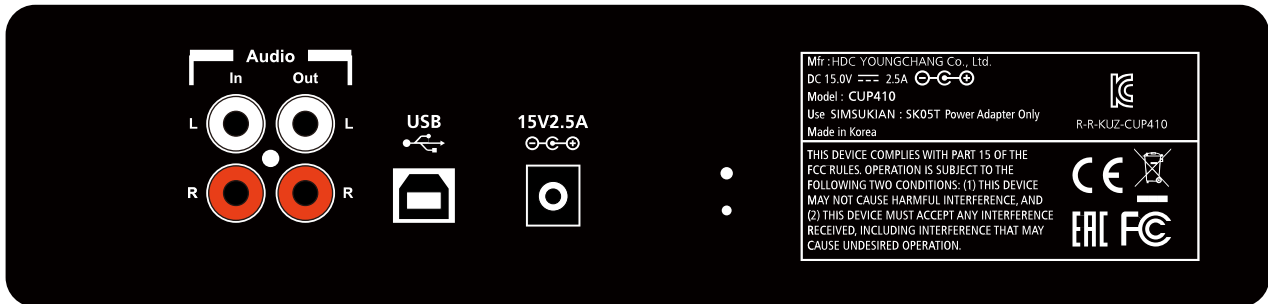
Used to turn the CUP410 on or off.

MASTER VOLUME

Adjust the volume of the CUP410

Chapter 3 Overview

6. Rear Panel



AUDIO IN

Audio In jacks are used to connect an external audio device.

For example, if you connect an MP3 player, you can listen to the MP3 through the CUP410 speakers.

AUDIO OUT

Audio Out jacks are used to connect to external amplifiers and speakers. When playing in a large indoor or outdoor environment, connect the amplifier to this jack to play at a volume suitable for the environment. Before connecting to an amplifier speaker, turn the amplifier volume down to the minimum, then gradually increase the volume afterward.







USB

You can use USB MIDI and USB AUDIO functions by connecting to a PC or tablet using a USB cable. This allows the CUP410 to be used as a USB audio sound card, USB MIDI controller, or USB MIDI sound device.




Chapter 4 Functions

1. Quick Guide








Program selection [] _____

When the CUP410 is turned on, the program selection [] button lights up and the first instrument program “9ft.Grand” is selected and can be played. To select a different instrument program, press the [] or [] buttons. Press the [] button first if you want to change the instrument program while using other functions such as [] or [].





Using the Bluetooth audio function [] _____

Press the [] button to activate the Bluetooth audio function, which allows you to connect smart devices and control them remotely. Then press the [] button to enter Bluetooth pairing mode. Select the Bluetooth device marked KURZWEIL on your smartphone or Bluetooth device. Select the music file you wish to play on your phone. Press [] button again to deactivate the Bluetooth function. (See the Bluetooth function.)






Playing a Metronome or Rhythm Track [] _____

Press the [] button, the button will light up and the metronome plays immediately. While the metronome is playing, press the [] or [] buttons to change the speed of the metronome. Press and hold the [] button then press the [] or [] buttons to select a rhythm. Press the [] button again to stop playback of the metronome or rhythm track.



Recording and Play [] _____

When you press [] button, the [] button lights red and recording is ready to start. If you start playing in the recording ready state, the [] button lights up and recording starts. To stop recording, press the [] button.

Play Demo songs and education function [] _____

Press the [] button once to enter Demo Song mode. Press the [] button again to enter education function. In this education function, You can select left or right hand practice by pressing the [] or [] button with holding down the [] button.


Edit user program [] _____









Press the [] button to enter user zone edit mode. This mode allows you to set the program and key range of ZONE 1 and 2, and the value of reverb and chorus. Press the [] button again to exit this mode. The edited program will be stored in Program No. 50. See User Zone Edit Mode or page 16 for details.

Chapter 4 Functions

2. Detail

Selecting a Program




Press the  button to enter Program Mode. The program mode lets you select and listen to the various instrument sounds built into the CUP410.





1. When the CUP410 is turned on, the Program Select  button lights up, the first program "9ft. Grand" is selected, and Program Mode is active.
2. In Program Mode, you can select other programs by using the [] and [] buttons.
3. In the CUP410's Program Mode, there is also a dual piano program that allows two people to practice the piano together. In addition, there are layer programs where two or more instruments play on the same key. Split programs play different instruments in different key ranges.
4. Press the  button once to enter Program Mode, and press the  again to move to the next category, EP Program Category. In other words, when changing categories, use the . Refer to the Program List in the Appendix for related programs.
5. Press and hold the  button to select the first voice, "9ft. Grand".
6. Even when using the metronome or Bluetooth function, pressing the  button returns to Program Mode and different programs can be selected.



User Zone Edit Mode

In the User Zone Edit Mode, you can edit the Layer and Split functions within the key range of 1-88, and set the reverb and chorus settings for the edited program. The User-edited program is automatically saved at Program number 50 and maintained when power is OFF. However, if you reset the CUP410, the Program 50 you saved is also initialized.



Press the  button to enter User Zone Edit Mode. The keyboard is divided into Zone 1 (Z1) and Zone 2 (Z2). You can set the start and end points (Z1. Key Lo, Hi / Z2. Key Lo, Hi) of each Zone. The range of keys that can be set is 1 to 88 (A0 to C8). Use the [/■] and [] buttons to enter settings for each item.

1. When the  button is pressed, the User Zone Edit Mode is displayed on the screen and ZONE 1 can be edited.
2. While  is held down, press the [] and [] buttons to change the value setting items for ZONE 1 and 2.





Chapter 4 Functions

The editing items and setting method of ZONE 1 are as follows.

EDIT ITEM	FUNCTION
Z1. Sound	You can change Zone 1 program using the [◀]and[▶] buttons.
Z1. Volume	You can change the volume of Zone 1, using [◀]and[▶].
Z1. Key Lo	Set the keyboard lower range to be used for Zone 1. Press and hold the [] button to show the “Hit Key” message on the display. At this time, press the key that will be the start point of the keyboard range.
Z1. Key Hi	Set the keyboard upper range to be used for Zone 1. Press and hold the [] button to show the “Hit Key” message on the display. At this time, press the key that will be the end point of the keyboard range.
Z1. Xpose	Sets the transposition value of Zone 1.You can transpose using the [◀]and[▶] buttons.
Z1. Active	Deactivate or activate Zone 1 using the [◀]and[▶] buttons.

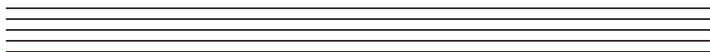
The editing items and setting method of ZONE 2 are as follows.

EDIT ITEM	FUNCTION
Z2. Sound	You can change Zone 2 program using the [◀]and[▶] buttons.
Z2. Volume	You can change the volume of Zone 2, using [◀]and[▶].
Z2. Key Lo	Set the keyboard lower range to be used for Zone 2. Press and hold the [] button to show the “Hit Key” message on the display. At this time, press the key that will be the start point of the keyboard range.
Z2. Key Hi	Set the keyboard upper range to be used for Zone 2. Press and hold the [] button to show the “Hit Key” message on the display. At this time, press the key that will be the end point of the keyboard range.
Z2. Xpose	Sets the transposition value of Zone 2.You can transpose using the [◀]and[▶] buttons.
Z2. Active	Deactivate or activate Zone 1 using the [◀]and[▶] buttons.

The effects editing items and setting method for both Zones are as follows.

EDIT ITEM	FUNCTION
Rev. Type	Set the reverb type using [◀]and[▶]
Rev. Level	Use the [◀]and[▶] buttons to control the amount of reverb.
Chr. Type	Set the chorus type using [◀]and[▶].
Chr. Level	Use the [◀]and[▶] buttons to control the amount of chorus.

Chapter 4 Functions



Example for Split Setup in User Zone Edit Mode.

- ① Use the [] button to enter the User Zone Edit Mode.
- ② Use the [/] and [] buttons to move among the setting items.
- ③ Change the voice of Z1 to FM EP. (Or another voice if you want)
- ④ Press and hold the [] button and press C4 (key 40) simultaneously to set the start point (Key Lo.) at Z1.
- ⑤ Press and hold the [] button and press C8 (key 88) simultaneously to set the end point (Key Hi.) at Z1.
- ⑥ Play a few keys to check that the Z1 settings are correct.
- ⑦ Change the voice of Z2 to Concert GP. (Or another voice if you want)
- ⑧ Press and hold the [] button and press A0 (key 1) simultaneously to set the start point (Key Lo.) at Z2.
- ⑨ Press and hold the [] button and press B3 (key 39) simultaneously to set the end point (Key Hi.) at Z2.
- ⑩ Play a few keys to check that the Z2 settings are correct.
- ⑪ Go to Program Mode and check if it has been saved as program 50.

Playing Metronome and Rhythm track

The metronome and rhythm playback functions provide various kinds of beats and rhythms to enhance your playing.

1. When you press the [] button, the [] button will light up, then the speed of the metronome is displayed and the metronome starts playing.
2. While the metronome is playing, long press the button again to change the rhythm and tempo. Press the [] and [] buttons while holding down the [] button to select various metronome and rhythm styles.
3. You can use the [] and [] buttons to change the tempo.



Below is a list of supported time signatures and rhythms.



Number	1	2	3	4	5	6	7	8	9
Time signature/ Rhythm Style	1/4	2/4	3/4	4/4	5/4	3/8	6/8	12/8	Rock

Number	10	11	12	13	14	15	16	17	18
Time signature/ Rhythm Style	Swing	Funky	Pop90's	Kick	Pop80's	Blues	Jazz	Acid	Lounge

Chapter 4 Functions

Bluetooth Audio

Bluetooth is a convenient way to connect a smartphone or tablet to the instrument wirelessly. Music from the smartphone or tablet then plays through the built-in speaker of the instrument. The Bluetooth module installed in this instrument supports Bluetooth version 5 and A2DP, AVRCP profile.

1. When you press the [] button, it lights up. A brief message will be displayed on the screen, and the Bluetooth audio function will be activated.
2. To use Bluetooth, you must first connect the smart device to the instrument. This is called "Pairing". Enter Bluetooth pairing mode by pressing the [] button.
3. Select the device marked KURZWEIL in the Bluetooth settings of your smart device. If the connection between the instrument and your smart device is successful, you will hear a brief beep and pairing will be completed.
4. Once the pairing between the smart device and the instrument has been successfully completed, you can listen to the music stored in your smartphone through the CUP410.












VOICE/CAT



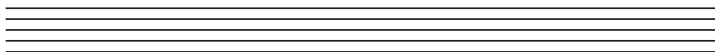
BLUETOOTH

The following buttons and functions are used in Bluetooth Mode:

BUTTON	FUNCTION	EXPLANATION
	Enter program selection mode	Return from Bluetooth Mode to Program Mode.
	Enable and control Bluetooth feature	In Program Mode, the Bluetooth function is activated. In Bluetooth mode, return from Bluetooth mode to Program Mode. Long press the [] button to turn off the Bluetooth function.
	Change Song	Select the next or previous song on your smart device.*
	Volume Control of Bluetooth	Press the [] button to decrease the volume, press the [] button to increase the volume.*
	Play and Stop the current song	Play or Stop the currently selected song on your smart device.
	Enter the pairing mode	Enter the pairing mode for connecting the instrument to the smart device.

(*However, these control functions may not be supported in some applications)

Chapter 4 Functions



Playing Demo Songs (Edu/Demo Mode)

There are 50 demonstration songs to showcase the CUP410 instrument sounds. You can find a list of 50 demo songs in the appendix.

1. Press the [🎵] button to enter Demo Mode, then press the [▶/■] button to play the pre-recorded song.



2. When the currently playing song ends, it automatically plays the next song.

METRO/RHY EDU/DEMO

3. If you press the [▶/■] button during performance, demo song playback will stop.

4. To change the Demo Song, press the [◀] and [▶] buttons to select another song after stopping the song.

The buttons and functions used in the Edu/Demo Mode are as follows.

BUTTON	FUNCTION	EXPLANATION
🎵	Enter Edu/Demo Mode	Change between Edu and Demo Mode.
▶/■	Play or stop playing demo song	After entering the demo mode, press the [▶/■] button to play a song or stop playing.
◀/▶	Change demo song	To change the song, stop the current song first and then use the [◀] and [▶] buttons to select a different song.

Education Mode (Edu/Demo Mode)

Bayer, Czerny 100, 30, 40, and Sonatine are included as training materials to help you practice. In addition, the left or right hand OFF functions and speed adjustment can be set to practice in various ways. However, you cannot record a song while using this function.

1. Press the [▶/■] button to stop the current demo song, and then press the [🎵] button to move to the next category (Bayer).



METRO/RHY EDU/DEMO

2. After moving, press the [▶/■] button to play Bayer No. 1.

To move to the next category, stop the current playing song and then press the [🎵] button.







3. To change the currently playing song to the next song, stop the current song first and then press the [◀] and [▶] buttons to select another song.

4. To turn the left hand play part off while the song is playing, press the [◀] button with holding down the [🎵] button. LEFT OFF is displayed and only the right hand part is played.

Chapter 4 Functions

- To turn the right hand play part off while the song is playing, press the [▶] button with holding down the [🎵] button. RIGHT OFF is displayed and only the left hand part is played.
- You can also change the speed (tempo) of the current song using the [◀] and [▶] buttons while the song is playing.

The buttons and functions used in the Edu/Demo Mode are as follows.

Button	Function	Explanation
	Change category	Change category in order of demo songs : Bayer, Czerny 100, Czerny 30, Czerny 40, and Sonatine.
Stop playing state 	Change song	Stop the current song first and then press the [◀] and [▶] buttons to select another song.
	Category selection and playback or stop	While holding the [🎵] button, press the [▶/■] button to play the first song in each category. The order of the categories is 50 demos, Bayer, Czerny 100, Czerny 30, Czerny 40, and Sonatine.
	Left hand play OFF	While holding the [🎵] button, press the [◀] button to turn off the left hand part. (Applied to Bayer, Czerny 100, 30, 40, and Sonatine.)
	Right hand play OFF	While holding the [🎵] button, press the [▶] button to turn off the right hand part. (Applied to Bayer, Czerny 100, 30, 40, and Sonatine.)
During song playback 	Change tempo	Adjust the speed of the currently playing song – faster or slower.

- ▲ In the education function, Bayer's teaching materials refer to Sekwang Music Publishing Co., and the right hand practice song number 1 is supported.
(However, teacher, Var., Application songs are not supported separately.)

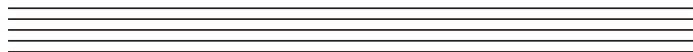
Recording and Playback

The recording function allows you to record and playback your performance.

- When you press the [●] button in Program Mode, the [●] button will blink, and recording will be ready to start (record ready state).
- If you start playing in the recording ready state, the [▶/■] button lights up and recording starts.
(Notice: once recording starts, all previously recorded data will be erased).
- To stop recording, press the [●] button. This will turn off the [▶/■] button and the [●] button, and recording will end.



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4. To listen to the recorded song, press the [▶/■] button. The [▶/■] button lights up and the recorded song is played back. After playback is complete, the [▶/■] button will go out.
5. To delete a recorded song, hold down the [●] button and press the [▶/■] button. You will be informed on the screen that the recorded song has been deleted.
6. To record with a rhythm, press the [🎵] button while in record ready state. This will start the recording with the rhythm after two countdown measures of the rhythm.

(However, in order to use this function, a rhythm must be selected in the Metronome Mode, not the metronome. The metronome beat cannot be recorded.)

Settings Mode

The Settings function is for setting detailed functions of the instrument so the user can play the instrument more professionally.

1. Press the [⚙️] button to enter the Settings Mode.



LAYER/SPLIT

SETTINGS

2. You can select the setting item (parameter) with the [▶/■] or [●] button, and you can change the value of the currently selected item with the [◀] and [▶] buttons.

The items that can be set are as follows.

SETTING ITEM	EXPLANATION
Transpose	Adjust the transpose value. The range is -12 to 12 semitones.
Tune	Adjust the tuning in cents. The range is -100 to 100 cents.
Resonance	Sets the string resonance value.
Auto Power	<ol style="list-style-type: none"> 1. This function turns the power off automatically. 2. This saves energy by turning the instrument off automatically after a set period of time when the instrument is not in use. 3. The range is OFF, 15 minutes, 30 minutes, 1 hour, 2 hours.
Local Control	<ol style="list-style-type: none"> 1. This function controls local mode. 2. This function is used with a music editing program in connection with a computer.
Touch	Adjust the velocity curve.
Panic	Send All Notes Off MIDI message.
Reset	<ol style="list-style-type: none"> 1. This function resets to the original factory default settings. 2. Select this item and press the [▶] button. 3. Please note that all user changes and recorded songs are erased.
Version	Displays software version.

Chapter 5 Appendix

Program List

CATEGORY	NO	PROGRAM	CATEGORY	NO	PROGRAM
PIANO	1	9ft Grand	ORGAN	26	Pipe Org
	2	Upright Piano		27	CP Pipe Org
	3	Concert Grand		28	Chapel
	4	Piano & Pad		29	Principal Chorus
	5	Piano & Strings		30	Fullrank
	6	Bass + Piano		31	Pipe & Prc
	7	Dual Piano		32	Pipe & Str
	8	Det. Piano		33	Hps & Pipe
	9	Digital Piano		34	Vintage Organ
EP	10	Chorus EP		35	Perc Organ
	11	Vintage EP		36	Cln. Org
	12	FM EP		37	Gospel. Org
	13	FM EP2		38	Bass + Org
	14	FMEP + Piano	STRINGS	39	Fast strings
	15	Hybrid EP		40	Slow strings
	16	EP & Pad		41	Octave String
	17	FMEP & Pad		42	Wood & String
	18	EP & Bass		43	OchestraEns
	19	FMEP & Bass		44	ChamberEns
20	EP & Bass & Pad	BRASS & SYNTH	45	Band Brass	
21	HarpsiChord		46	Brass Section	
22	CPHarpsiChord		47	Octave Brass	
23	Harpsichord & Str		48	Poly Synth	
24	Clavinet		49	Synth Bass	
HARPSI & CLAVINET	25	Chorus CLV	USER	50	User Sound

Chapter 5 Appendix



Demo Song List

NO	SONG NUMBER	SONG NAME	COMPOSER
1	BWV 846	Prelude and Fugue No.1 in C Major	J.S.Bach
2	BWV 775	Invention NO.4 in D minor	J.S.Bach
3	BWV779	Invention NO.8 in F Major	J.S.Bach
4	BWV 847	Prelude and Fugue in C minor	J.S.Bach
5	BWV 988	ARIA Goldenberg-Variations	J.S.Bach
6	BWV 847	Prelude and Fugue in C minor	J.S.Bach
7	Op.36,No4	Sonatina in F Major	M.Clementi
8	K 15v	Movement for a Sonata in F Major	W.A. Mozart
9	K 333	Piano Sonata No.13 in B flat Major 1st mov.	W.A. Mozart
10	K 485	Rondo No.1 in D Major	W.A. Mozart
11	K 331	Sonata No.11 in A Major 3rd mov.	W.A. Mozart
12	K 545	Piano Sonata in C Major 1st mov.	W.A. Mozart
13	WoO10,No2	Minuet in G Major	L.v. Beethoven
14	WoO59,No25	Bagatelle in A minor (Für Elise)	L.v. Beethoven
15	Op.55,No1	Sonatina in C Major	Fr.Kuhlau
16	Op.51,No1	March Militaire	F.P.Schubert
17	Op.94,No3	Moment Musical in F minor	F.P.Schubert
18	Op.90,No2	Impromptu in E flat Major	F.P.Schubert
19	Op.90,No4	Impromptu in A flat Major	F.P.Schubert
20	Op.100,No25	La Chevaleresque	J.F.Burgmüller
21	Op.38,No2	Song without word in C minor (Lost Happiness)	J.L.F. Mendelssohn
22	Op.30,No6	Song without word in F sharp minor (Venetianisches Gondellied)	J.L.F. Mendelssohn
23	KK Ivb No10	Waltz in E flat Major	F.F.Chopin
24	KK Ivb No11	Waltz in A minor	F.F.Chopin

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25	Op.7,No1	Mazurkas in B flat Major	F.F.Chopin
26	Op.69,No2	Waltz in B minor	F.F.Chopin
27	Op.18	Waltz in E flat Major	F.F.Chopin
28	Op.64,No2	Waltz in C sharp minor	F.F.Chopin
29	Op.9,No2	Nocturne in E flat Major	F.F.Chopin
30	Op.64 No1	Waltz in D flat Major	F.F.Chopin
31	Op.28,No15	Preludes in D flat Major	F.F.Chopin
32	Op.66	Fantaisie-Impromptu in C sharp minor	F.F.Chopin
33	Op.15,No7	Kinderszenen in F Major (Träumerei)	R. Schumann
34	Op.68,No10	Album für die Jugend (The Happy Farmer)	R. Schumann
35	Op.15,No1	Kinderszenen G Major (Von fremden Ländern und Menschen)	R. Schumann
36	S.541,No3	Liebestraum	F. Liszt
37	Op.202,No4	Dolly's Dreaming and Awakening	T. Oesten
38	Op.410	Frühlingsstimmen (Voices of Spring Waltz)	J. Strauss
39		The Swan (Canival of the Animal)	Saint-Saens
40	Op.39	Blumenlied (Flower song)	G. Lange
41		Valsette in G Major	F. Borowski
42	Op.39,No16	Old French Song from Children's Album	P.I.Tchaikovsky
43	Op.39,No11	Mazurka from Children's Album	P.I.Tchaikovsky
44	Op.39,No10	Polka from Children's Album	P.I.Tchaikovsky
45	Op.37,No6	June from The Season (Barcarolle)	P.I.Tchaikovsky
46	Op101,No7	Humoresque	A. Dvořák
47	Op46,No3	Peer Gynt (Anitra's Dance)	E. Grieg
48	L75,No1	Suite Bergamasque Prelude	C.A.Debussy
49	L68	Rêverie	C.A.Debussy
50	No1	Arabesque I	C.A.Debussy

Chapter 5 Appendix

Sonatine Song List

No	SONG LIST	No	SONG LIST
1	No1, Allegro	25	No9, Allegro
2	No1, Andante	26	No10, Con spirito
3	No1, Allegro(Rondo)	27	No10, Andante con espressione
4	No2, Allegro	28	No10, Allegro vivace
5	No2, Adagio e sostenuto	29	No11, Presto
6	No2, Allegro scherzando	30	No11, Allegro moderato
7	No3, Allegro	31	No11, Allegro di molto
8	No3, Larghetto	32	No12, Allegro con spirito
9	No3, Alla Polacca	33	No12, Allegretto spiritoso
10	No4, Allegro	34	No13, Allegro con brio
11	No4, Vivace	35	No13, Adagio
12	No5, Allegretto	36	No13, Allegro
13	No5, Cantabile	37	No14, Allegro
14	No5, Allegro	38	No14, Andante
15	No6, Allegro con spirito	39	No14, Allegretto
16	No6, Allegretto grazioso	40	No15, Allegro, ma non troppo
17	No7, Allegro	41	No15, Tempo di Menuetto
18	No7, Andante	42	No16, Andante
19	No7, Vivace	43	No16, Allegro
20	No8, Allegretto(2/4)	44	No17, Allegro non tanto
21	No8, Allegretto(3/4)	45	No17, Allegretto Tempo di Menuetto
22	No8, Allegro		
23	No9, Spiritoso		
24	No9, Un poco Adagio		

※ Scherzo, Andante from Sonata, Theme and Variation on "Vien'quà Dorina bella" are not included in the educational function

Chapter 5 Appendix

Specifications

Keyboard	88-Note graded hammer-action keyboard with 3-point velocity sensor
Display	128x64 Resolution 1.2" OLED
Polyphony	256
Factory Programs	50 Preset Kurzweil programs
Recorder	1 Track 1 Song
Metronome/Rhythm	8 Metronomes + 10 Drum rhythms
Education	Bayer, Czerny 100, 30, 40, Sonatine
Demo songs	50 Demo songs
USB	MIDI/ Audio interface
Bluetooth	BT 5.0 Audio Reception and Remote control
Line In/Out	2 RCA stereo input and 2 RCA stereo output jacks, 1/8" Smart I/O
Headphone	Two 1/4" stereo connectors
Pedal	3 Pedals: Soft, Sostenuto, Sustain (with half damper functionality)
Speaker	70W (25W X 2, 10W X 2), 4 Speakers Stereo Sound System
Basic Accessories	Smart I/O Cable
Dimension	1400mm X 476mm X 920mm
Weight	50.5 Kg
Power	DC Power adapter : 15V , 2.5A

KURZWEIL

HDC YOUNG CHANG

196, Bongsu-daero, Seo-gu,
Incheon, Korea