

KURZWEIL

***KAI50***  
USER'S  
MANUAL

English Manual

**HDC** YOUNG CHANG  
MUSIC



**KURZWEIL**



# 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.



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 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 présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

# SAVE THESE INSTRUCTIONS

## Kurzweil International Contacts

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

### US Customers:

Young Chang North America  
Kurzweil Home Products  
6000 Phyllis Drive  
Cypress, CA 90630  
Tel: 310 637-2000  
Fax: 310 637-2025

### Customers outside the US:

#### American Music & sound

22020 Clarendon Street, Suite 305  
Woodland Hills, CA 91367  
Tel : 800 - 431 - 2609  
Fax : 818 - 597 - 0411  
Email : [info@americanmusicandsound.com](mailto:info@americanmusicandsound.com)

#### Kurzweil Co., LTD

Yongchang Music Instrument, Bongsu Daero 196,  
Gajwa 1(il)-dong, Seo-gu, Incheon, 404-714 South Korea  
[www.ycpiano.co.kr](http://www.ycpiano.co.kr)  
[www.youngchang.com](http://www.youngchang.com)  
[www.kurzweil.com](http://www.kurzweil.com)



WWW

[www.kurzweil.com](http://www.kurzweil.com)



[support@kurzweil.com](mailto:support@kurzweil.com)



[www.facebook.com/kurzweilmusicsystems/](https://www.facebook.com/kurzweilmusicsystems/)



[www.twitter.com/KurzweilMusic](https://www.twitter.com/KurzweilMusic)



[www.youtube.com/user/KurzweilTutorials](https://www.youtube.com/user/KurzweilTutorials)

# 1. Important Safety & power supply instructions

## Power supply

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This product must be used on AC220V 50Hz/60Hz DC 24V2.5A  
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

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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.

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- 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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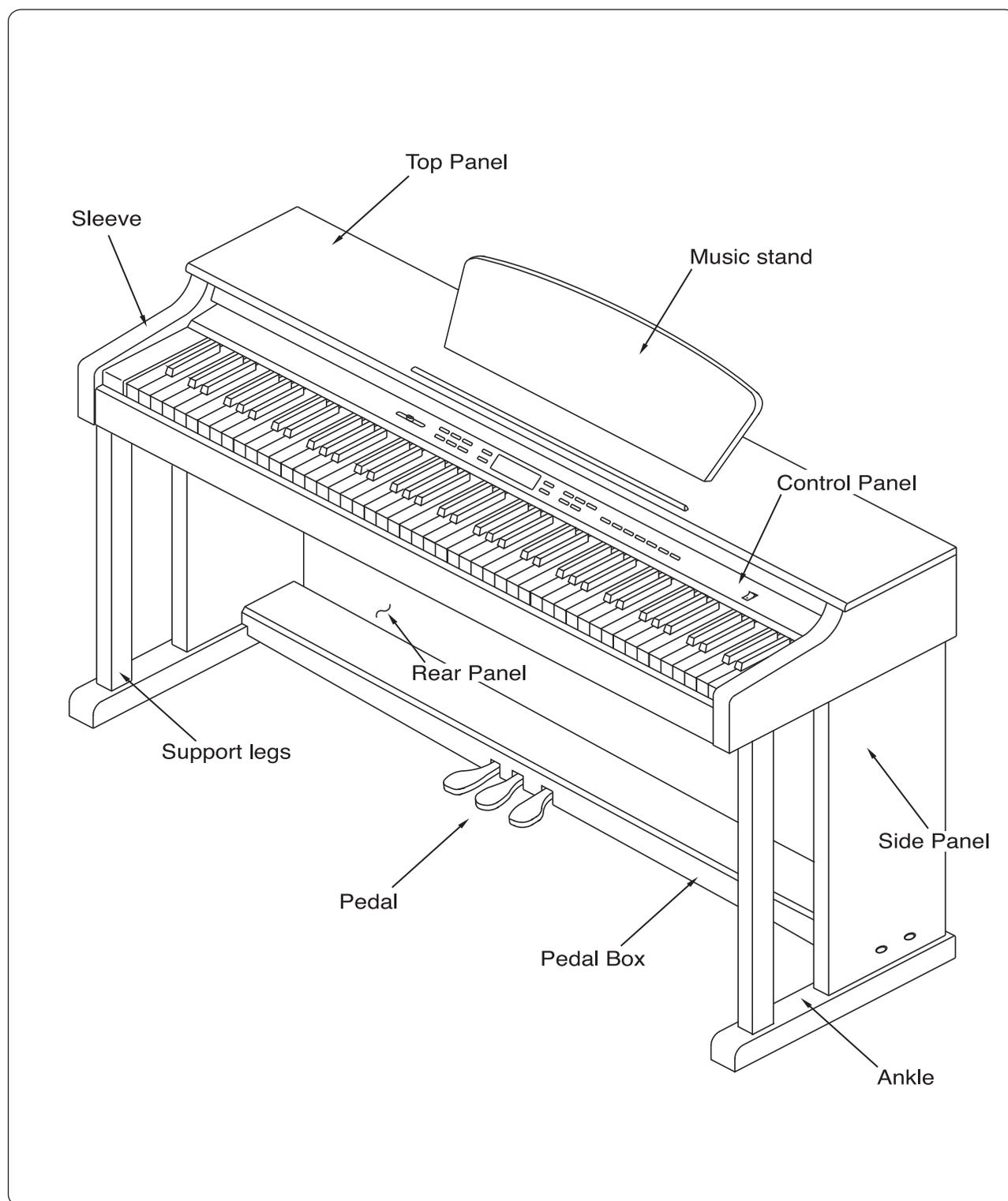
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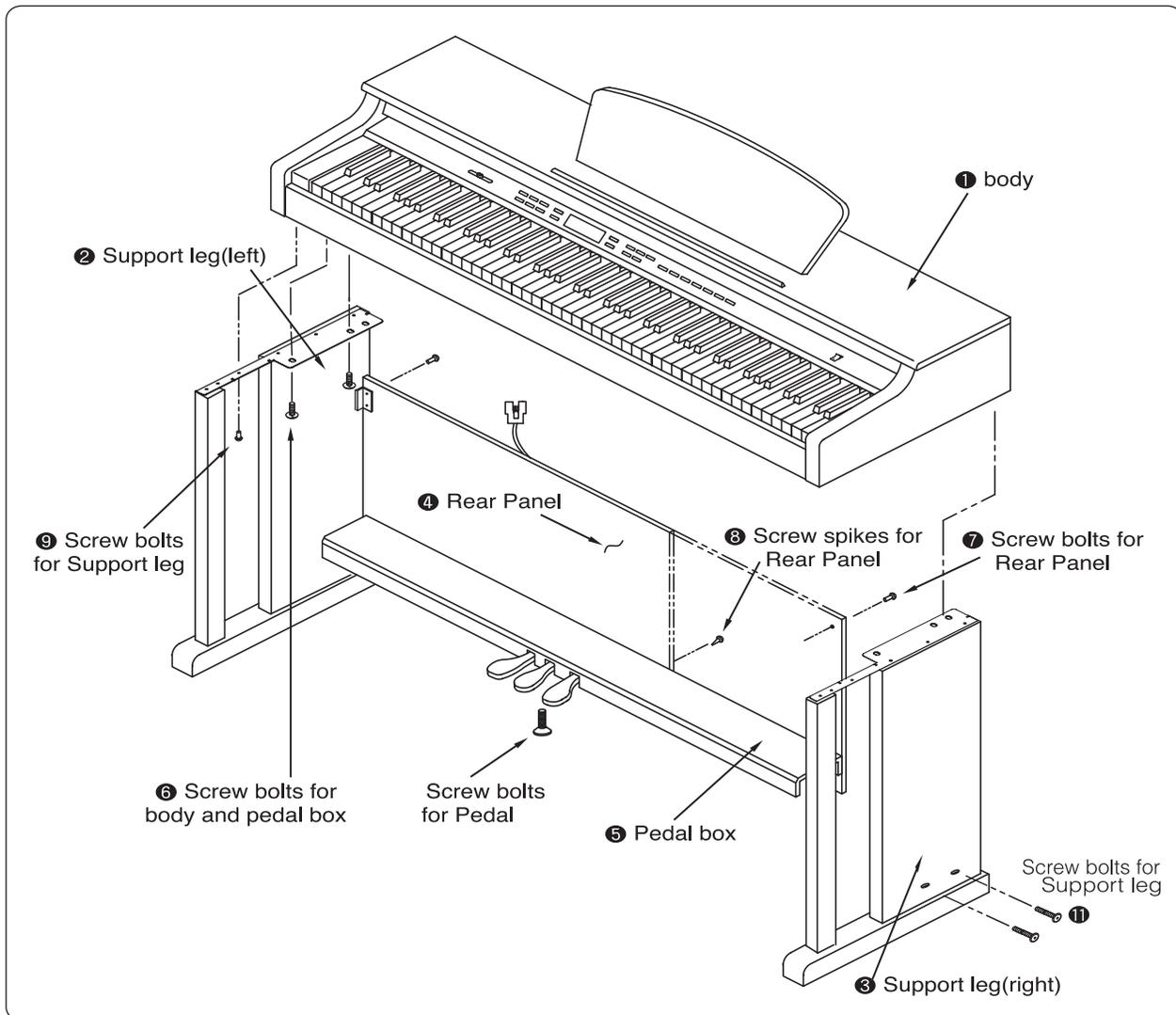
1.The name of each part



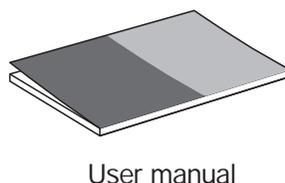
## 2. Checking the parts

Check that you have all the parts below before you start assembling.

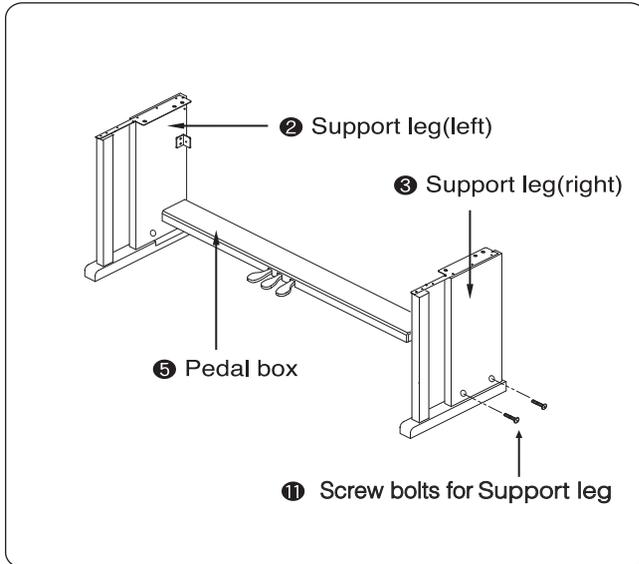
|                           |  |                                     |
|---------------------------|--|-------------------------------------|
| 1 Body -1ea               | 5 Pedal box - 1ea                          | 9 Screw bolts for Support leg -2ea  |
| 2 Support leg(left) -1ea  | 6 Screw bolts for body and pedal box - 4ea | 10 Clamp -2ea                       |
| 3 Support leg(right) -1ea | 7 Screw bolts for Rear Panel -2ea          | 11 Screw bolts for Support leg 4 ea |
| 4 Rear Panel -1ea         | 8 Screw spikes for Rear Panel - 4ea        |                                     |



### Accessories

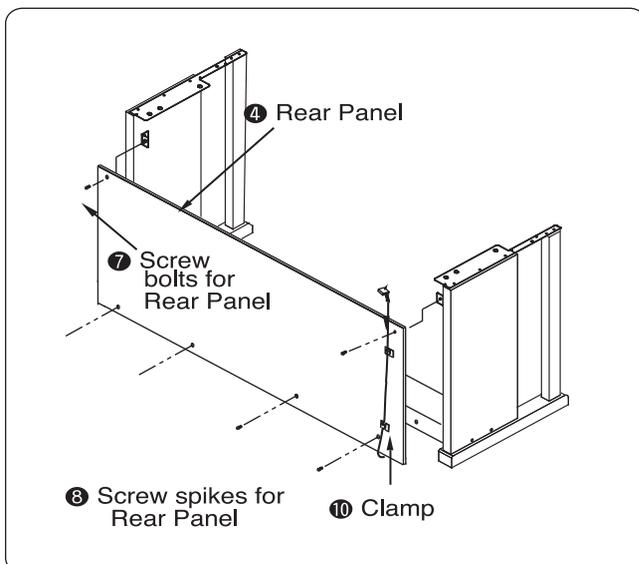


### 3. Side Panel and Pedal Box assembly



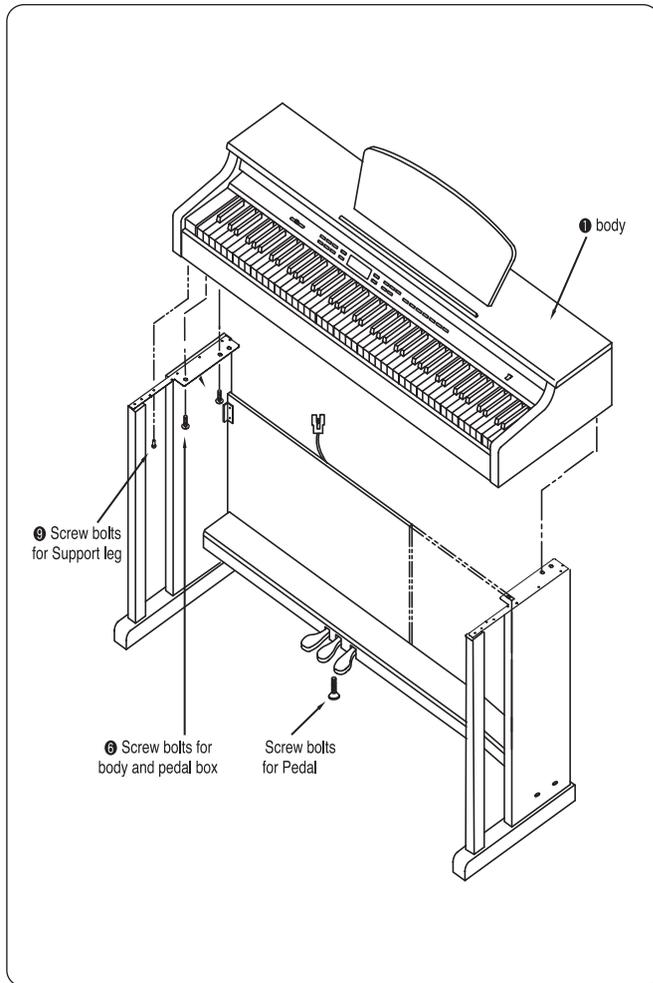
- ① Place the pedal box on the side panel and then use screws to fasten the side panel.
- ② Place the Pedal Box on the side panel and then use screws to fasten the side panel.
- ③ You can find the pedal cable in the pedal box. Untie and straighten out the cable attached to the bottom of the pedal box.

### 4. Rear Panel assembly



- ① Put the corner of the rear panel on between the support legs.
- ② Fit into the holes in the side panel brackets and then use the screws to fasten the rear panel.
- ③ Use the screws to fasten the bottom of the rear panel.
- ④ Set the cable in the clamp. And then, put the clamps on the appropriate place and arrange the cable neatly.

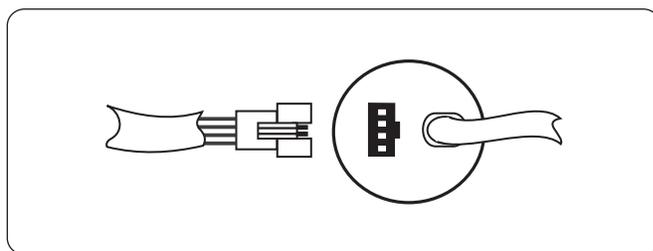
## 4. Installing the Keyboard onto the stand



- ❶ Place the keyboard on the stand so that the wood pegs on the top of the side panel fit into the holes on the bottom surface of the keyboard.
- ❷ Attach the side panels to the keyboard with the metal brackets. Use the bolt for the front hole and for the rear.
- ❸ Insert the pedal cable connector into the pedal jack located on the bottom of the keyboard.
- ❹ Locate the unit to the desired place and rotate the pedal adjuster until it comes in firm contact with the floor surface, preventing the pedal box from bending when you press the pedals.

### ! Warning

If the adjuster is not in firm contact with the floor, the pedal will wobble and cause malfunctions.

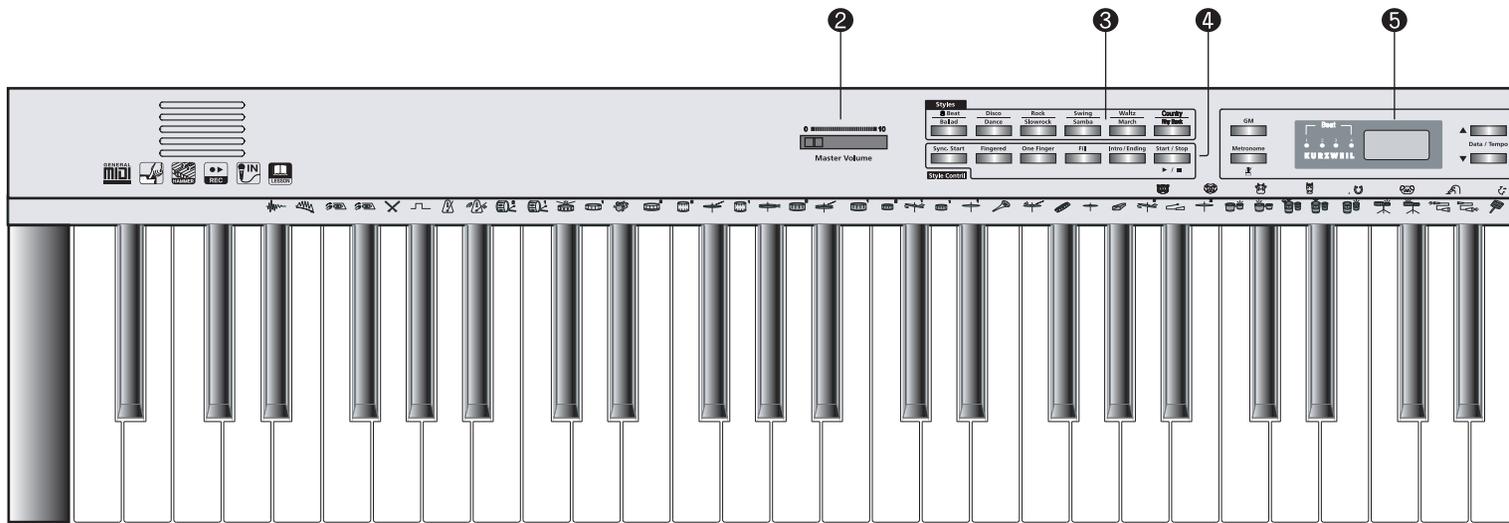


### How to connect the cable

In the correct direction, push it up until it clicks. If the pin is bended or the direction is not correct, the pedal cannot work.

## Chapter 2 Front Panel

### 1. Main Buttons



#### 1. Power switch

It works on DC voltage. If the user is going to other country or has the question regarding AC voltage, please contact the A/S center.

- 1 Before connecting the power cord, make sure that the power switch, located right side of the keyboard, is off.

**Warning :** This product is working on only 220V 50Hz/60Hz DC 24V2.5A

- 2 Connect the adaptor into the AC consent, and then the other side of adaptor should be connected to the jack on the rear panel of this product.

**Warning :** Check if the electric types are same between your house and this product.

- 3 Turn on the switch.

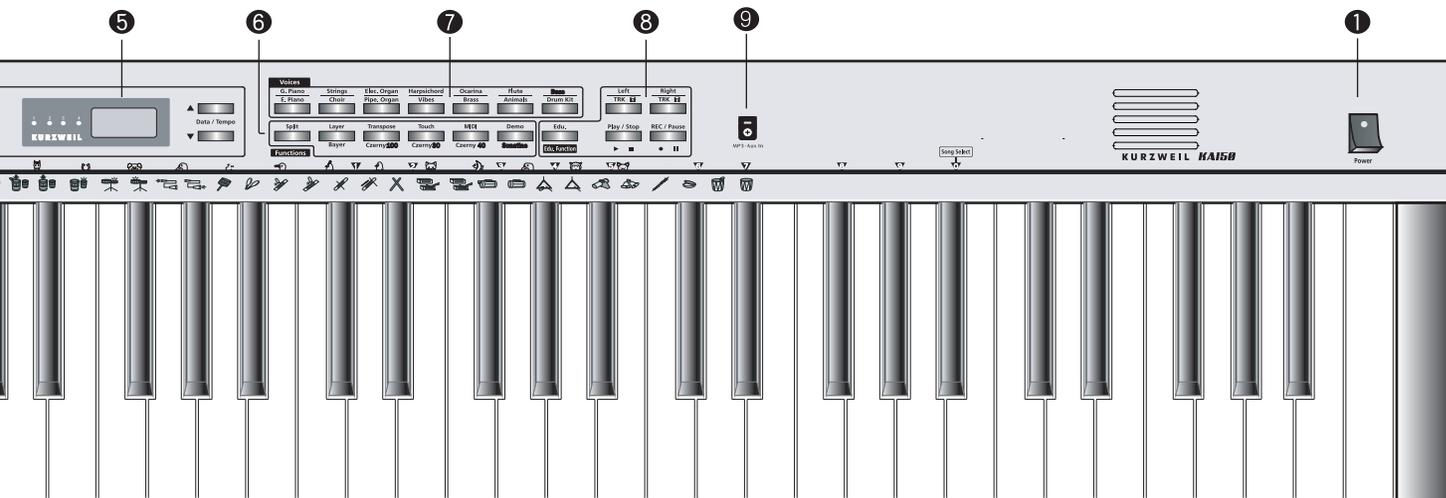
#### 2. Controlling the main volume

Now, you are ready to play the instrument.

To check the sound, if you move the main volume slider to the middle of range, the sound will be comfortable to listen.

And then, you can control the volume higher or lower later.

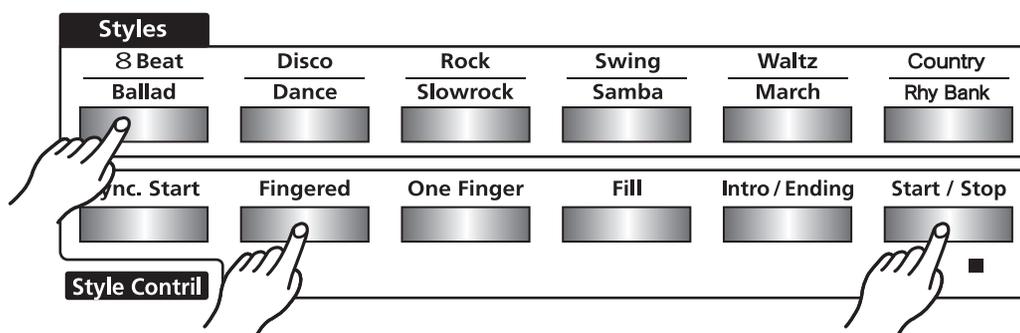
## 2. Main Function



## 3. Rhythm Select

There are 26 various rhythms in this piano. [button:11 RhyBank:15]

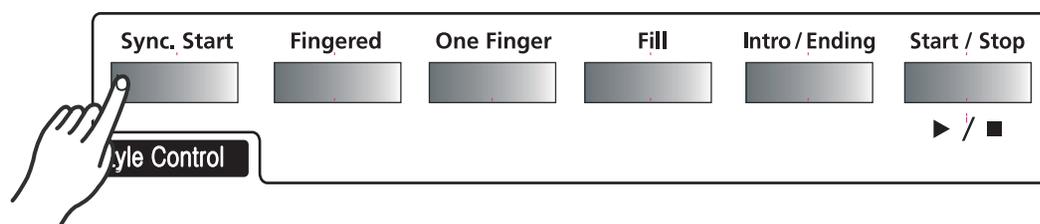
- ❶ Select one of the rhythm group buttons and press it.
- ❷ If you play with the rich harmonic accompaniment, press the fingered or one finger button.
- ❸ If you press "start/stop" button, selected rhythm will be played.
- ❹ You can change the speed you want by pressing the "data/tempo" during playing.
- ❺ If you want to stop the rhythm, press "start/stop" button.



**Warning :** "Sync. Start" is the other way to start playing without pressing "start/stop" button.

- ❻ If you press the keyboard after selecting the fingered or one finger, automatic accompaniment will be played.

## 4. Style Control



### ① Sync. Start

When Sync, Start is on, press the chord of rhythm to playback the rhythm and melody accompaniment automatically.

Press "Sync. Start" button again to turn the Sync. Start function off.

### ② Fingered

When press this button, the lower region will change to the automatic accompaniment mode and the keyboard will change to Sync. Start mode.

When press the chords in the lower region, the accompaniment will start playing. (e.g. when press the C, E and G on the keyboard at the same time, accompaniment will start automatically.)

The area of the keyboard to the lower becomes the "auto accompaniment region" and is used only for specifying the accompaniment chords.

Play a melody with your right hand while playing a variety of left-hand chords.

### ③ OneFingered

When press this button, the lower region will change to the automatic accompaniment mode and the keyboard will change to Sync. Start mode.

When press the chord in the lower region, the accompaniment will start playing. (e.g. when press the C on the keyboard, accompaniment will start automatically.)

The area of the keyboard to the lower becomes the "auto accompaniment region" and is used only for specifying the accompaniment chords.

Play a melody with your right hand while playing a variety of left-hand chords.

### ④ Fill

Press this button to change the rhythm pattern.

### ⑤ Intro/Ending

Press "Intro/Ending" button, an introduction (about 4 measures) will play before the main style arrangement.

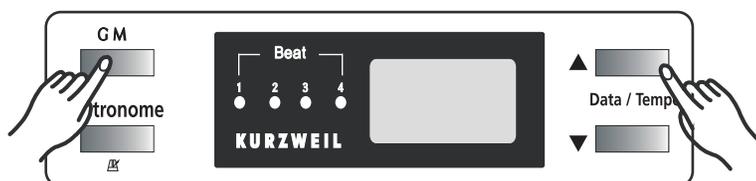
Pressing "Intro/Ending" button while a style is playing will cause the style to play an ending arrangement, beginning at the next measure, and then stop.

- Press another chord while a style is playing will cancel the introduction.
- When Intro function is on, You should not press any other chord until the end of the current pattern.
- In automatic accompaniment mode, press the chord in the lower region on the keyboard to start the Intro or Ending pattern.

### ⑥ Start/Stop

- 1) Press the "Start/Stop" button.
- 2) The selected rhythm will start playing.
- 3) Press the "Start/Stop" button again to stop playback.

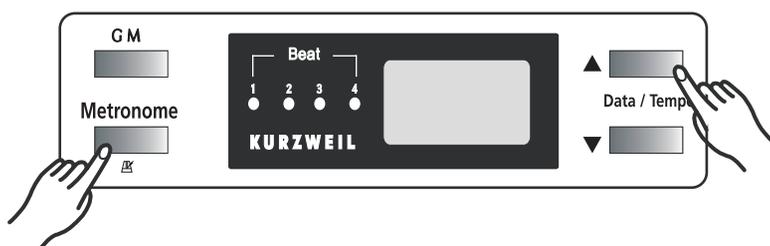
### 4-1.GM Sound



This system provides 128 sound styles.

- 1) Press the "GM" button.
- 2) Press the "Data/Tempo" button to select up to 128 sound styles.
- 3) Press the another sound style button to turn current sound style off.

### 4-2.Metronome



Use it to adjust tempo and time signature.

- 1) Press the "Metronome" button to turn the metronome on and start it.
- 2) To stop the metronome, press the "Metronome" button again.

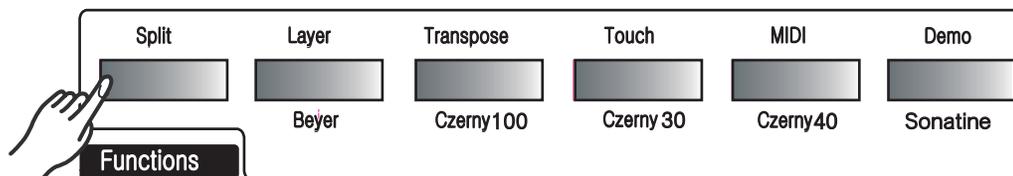
**Changing time signature:**

- Press and hold the "Metronome" button while the metronome is on will displayed "4/4". Use "Data/Speed" button to select the time signature.
- Press the "Data/Tempo" button to change the time signature in the order of 1/4, 2/4, 3/4, 4/4, 6/4, 6/8.

Use the "Data/Tempo" button to change the time signature. (The available control range is from 40 through 250.)

The beat indicator will flash at the rhythm or metronome tempo.

## 5-1. Splitting



Creating a Split allows you to divide the keyboard into an upper and lower region.

- 1) Press the "Split" button, and then select the voice you want to use as your primary voice.
- 2) Press the "Split" button.
- 3) Select a different voice as the secondary voice.
- 4) To cancel the Split mode, press the "Split" button again.

### Split Transposition

This parameter sets the transposition of the secondary voice relative to the primary voice. You can transpose the secondary voice up or down one or two octaves from the primary voice. Select one of the keyboard while press and hold the "Split" button will adjust the position of the split. When the system is turned off, the setting value will return to the default. (default: F#3)

#### Adjust the Split Transposition:

- Press the "Split" button while the split mode is on will displayed "L6".
- During the press and hold the "Split" button, press the "Data/Speed" button to adjust the voice ratio between lower and upper region. The available control range is L1 to L11.

## 5-2. Layering

Layering combines two of the voices enabling you to play both voices each time a key is pressed.

- 1) Select the primary voice.
- 2) Press the "Layer" button.
- 3) Select a different voice as the secondary voice.
- 4) To cancel the Layer mode, press the "Layer" button again.

#### Adjust the Layer Transposition:

- Press the "Layer" button while the Layer mode is on will displayed "L9".
- While "L9" is displayed, press the "Data/Speed" button to adjust the voice ratio. The available control range is L1 to L11.

### 5-3. Transpose

The transpose allows you to adjust the overall pitch of the keyboard up or down in semitone intervals.

- 1) Press the "Transpose" button to enter the Transpose mode.
- 2) Press the "Data/Speed" button to change the pitch. The available control range is -12 to +12.
- 3) Press "Up" and "Down" button of the "Data/Speed" button at the same time, the setting is reset to the default value.
- 4) When press the "Transpose" button again, the system will save the current value and return to the accompaniment mode.

### 5-4. Touch

When touch response is on you can adjust the keyboard's sensitivity to dynamics

- 1) Press the "Touch" button to enter the Touch sensitivity mode. The LED lights up and the currently selected touch sensitivity will be displayed. (default: NOR)
- 2) Press the "Data/Speed" button to adjust the touch sensitivity.
- 3) Press "Up" and "Down" button of the "Data/Speed" button at the same time, the setting is reset to the default value.

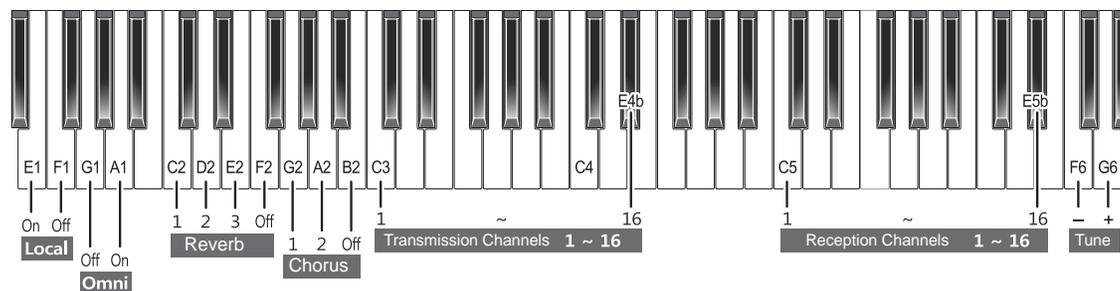
### 5-5. MIDI

Press the "MIDI" button to turn the lamp on.

Press the keyboard associated with the function to adjust the MIDI channel, Local On/Off, Omni On/Off.

In MIDI setting mode, there is no sound.

To exit this mode, press "MIDI" button again.



#### Omni

When Omni is turned on, the system will receive all channels regardless of the MIDI channel.

When Omni is turned off, the system will receive only the assigned channel.

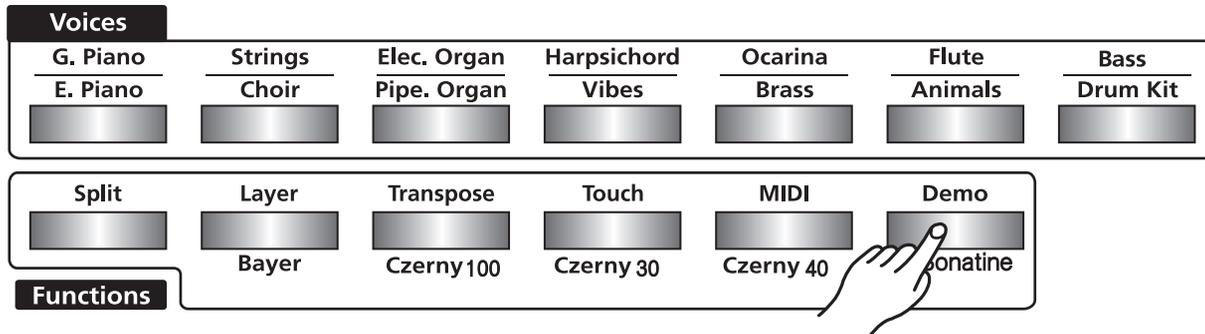
#### Local

It is connected between the Sound module and Keyboard in the Keyboard of the MIDI synthesizer.

#### Reverb, Chorus

Press the "MIDI" button, and then press the keyboard associated with this function to enable or disable the Reverb/Chorus function.

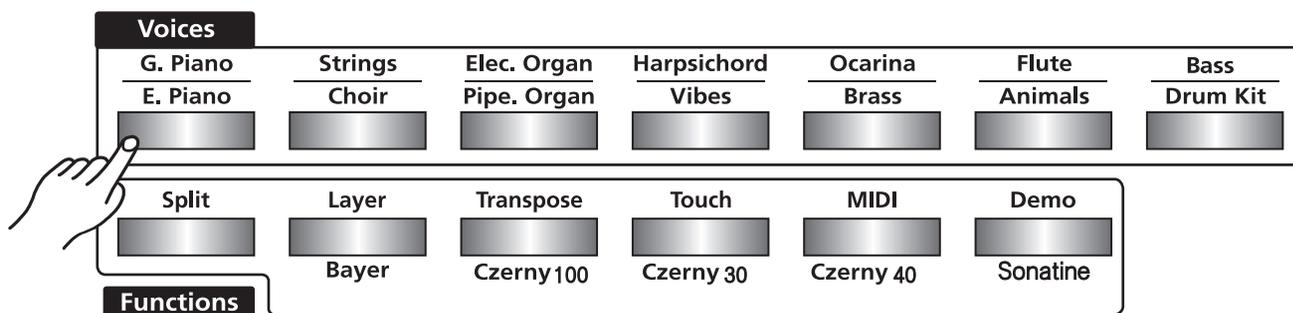
### 5-6. Demo



9 demo song could be played.

1. Press "Demo" button.
2. You can select from 1st to 7th song easily by pressing voice button on the panel.
  - If you press the button of voices 3rd, 3rd demo song will be played.
  - The demo song will be played if you press the LED blinking according to the voice button.
3. If you want to hear from demo 8 to 9, you can use up or down(data/tempo) button. And then press the Play/Stop button to play it.
4. You can Start, Stop and restart playing song by pressing "Play/Stop" button.
5. If you want to exit Demo mode, press "Demo" button again.

### 5-7. Select Voices



There are 14 voices inside and you can choose a voice with 7 buttons.

Each button is to select 2 voices.

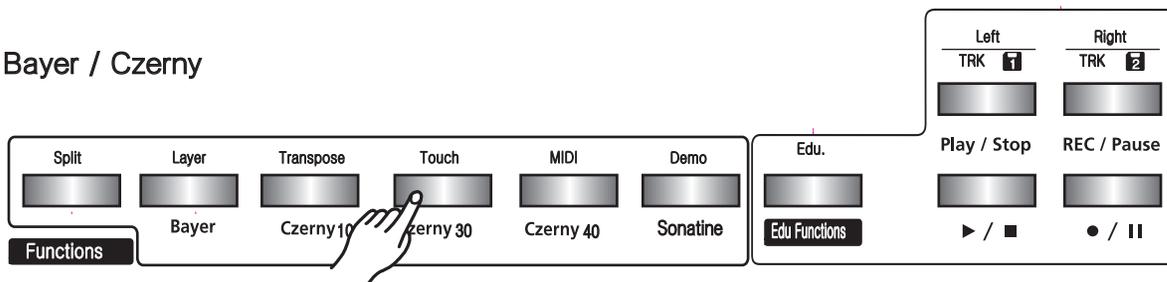
If selecting one voice from upper row, press the button (Red LED).

If selecting one voice from lower row, press the button again (Green LED).

If selecting one of the 128 voices not on the panel, press GM button and find it with "data/tempo" button. (Please refer to "GM voice table")

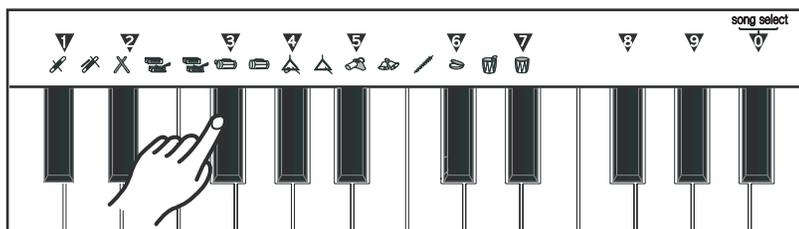
## Chapter 6 Educational Function

### ● Bayer / Czerny



If you push educational function option in educational function, lamp light on educational function option button with track 1, 2. After lamp light on educational function option button, if 'bey' is displayed on LED, Bayer practice mode is operated. If push Bayer/Czerny button once more, 'CEy' is displayed and Czerny practice mode is operated.

- ① if you push education function option button, After lamp light on education function option button, Bayer practice mode is operated.
- ② if push Bayer/Czerny button once more, Czerny practice mode is chosen.
- ③ Chosen music which want to play by choice keyboard displayed on the panel



- ◆ Bayer: if you want to play 1~9 music, push keyboard matching with each number. if you want to play 10~106 music, push successive number of music you want. (for example – After push number 2, if you push number 9, 29 music is chosen. After Bayer's number is displayed on the LED, speed of music is displayed.)
  - ◆ Bayer: if push Bayer/Czerny button once more, Czerny 30 is chosen. if you want to play 1~9 music, push keyboard matching with each number. if you want to play 10~30 music, push successive number of music you want. (for example – After push number 2, if you push number 6, 26 music is chosen. After Bayer's number is displayed on the LED, speed of music is displayed.)
- ④ Start by start/stop button.
  - ⑤ You can choose channel to mute by left (TRK1) or right hand (TRK2) button and then adjust speed by data/tempo button.
  - ⑥ After practice, stop play by start/stop button.
  - ⑦ if push Bayer/Czerny button once more, Bayer/Czerny function finish.

#### LEFT / RIGHT CHOICE PRACTICE MODE

During play of Bayer/Czerny, it is mode that can divide left and right keyboard sound. if push left button. play just sound recorded by right keyboard. if push right button, play just sound recorded by left keyboard. Therefore After push left button, can train left hand with music, and After push right button, can train right hand with music.

## 5. Recording and Playing

### 1 Recording

1. Press "REC/Pause" button to select empty track.  
Blinking Selected Track LED means the standby status for recording.
2. If you play, the metronome will stop and recording will be started.
3. Press "Start/stop" button to stop recording after playing.
4. Press "Start/stop" to play back your recording.

### 2 Dubbing

1. Press "REC/Pause" button to select empty track.
2. While the previous recording is playing, if you play, it will be dubbed.
3. Press "stop" button to stop recording after playing.

### 3 Recording new song

1. Press "REC/Pause" button to select a track. If 2 tracks are all recorded, the tra new recording cannot be chosen automatically so that you need to choose.
2. Recording will be started with playing.
- 3 Press "stop" button to stop recording after playing.

### 4 Erasing a recorded track

1. Press "Recording" button and select a track to erase. And then, the lamp will bl
2. If press "start/stop" button two times without controlling the panel and playing t keyboard, the previous recording will be removed.
3. It will be initialized with turning off.

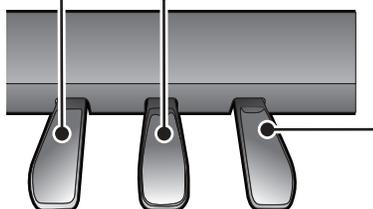
## 6. Using the Pedals

### • Soft pedal

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

### • Sostenuto pedal

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

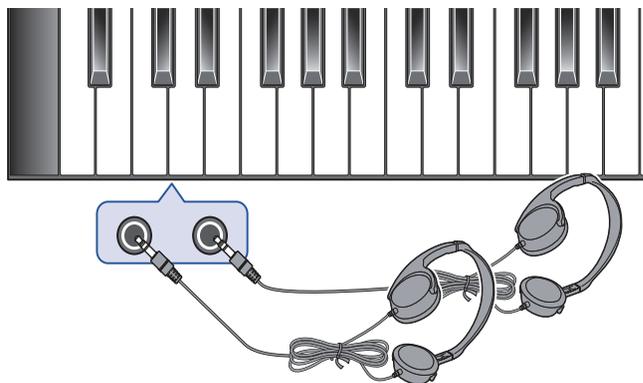


### • Sustain pedal

The sustain pedal functions in the same way as the damper pedal on an acoustic piano. When the damper pedal is pressed, notes sustain longer. Releasing the pedal immediately stops any sustained notes.

## Chapter 8 Rear Panel

### Headphones Jacks



#### ● Headphones 1/2 jacks

The KA150 has two 1/4" headphone jacks conveniently located on the left bottom edge of the keyboard cabinet. Plugging in headphones provides privacy during practice. Both jacks operate the same so two people can play and hear the music together.

While using headphones, the KA150's speakers are silent.

#### ▲ CAUTION

- Do not use headphones at a high volume for an extended time. Doing so may cause hearing loss.

### Rear Panel



#### ① USB port

Connect a USB cable to this port to send and receive MIDI or to connect to a computer for system updates.

#### ② Audio In terminals

Use these RCA stereo jacks to connect the KA150 digital piano's internal speakers to other devices such as a digital audio player or CD player. Always turn off the KA150 digital piano's power before plugging or unplugging cables into the Audio In jacks.

#### ③ Audio Out terminals

Use these RCA stereo jacks to connect the KA150 digital piano to external audio equipment, such as an outboard mixer, powered speakers, or recording device.

#### ④ DC In terminal

Connect the DC Adapter to this jack.

### MP3 Aux In

You can connect the output jack of an MP3 player or smart phone to the instrument's MP3 right cheek block. Do not use Audio In and MP3 Aux In at the same time.



#### CAUTION

When you connect the cable to the piano, please turn the piano's power off first. Otherwise, loud noise may occur while connecting the cable.

MIDI is acronym for Musical Instrument Digital Interface, which is an industry standard protocol for electronic instruments to communicate with each other.

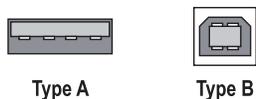
### 1. MIDI Channel

A MIDI cable can transmit multiple channels of performance data which is similar to TV channels. Each channel can be assigned its own voice. Typical MIDI instruments can play up to 16 channels at the same time which is equivalent to 16 soloists.

**NOTE**

If you want to use your piano and record your performances with a computer, a sequencer program must be installed on your computer.

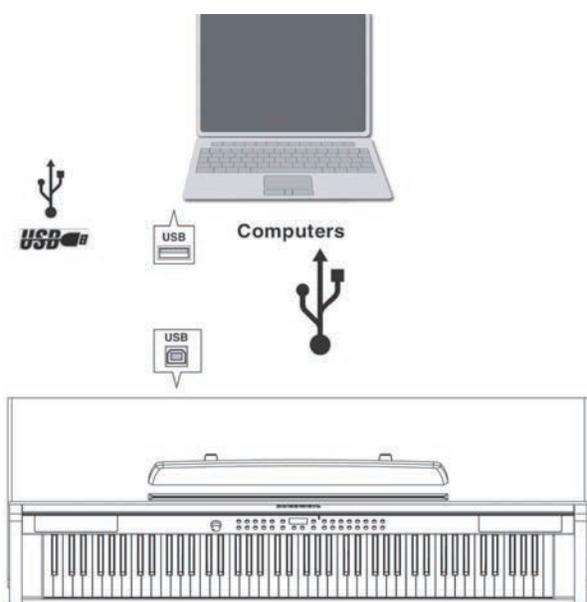
### 2. Connecting to a Computer



The instrument can be connected to the computer via a USB cable (AB type USB cable of less than 3 meters).

Connect the USB cable to the USB Type B terminal of the instrument, then to the USB Type A terminal of the computer.

#### USB MIDI Connection



In addition to the conventional MIDI In and MIDI Out ports, the KA150 digital piano also has a USB (Universal Serial Bus) port on the rear panel. You can connect the KA150 digital piano directly to a computer with a USB cable. This connection transmits and receives MIDI data between the KA150 digital piano and the computer.

The KA150 digital piano supports the “Plug and Play” feature used in the Windows XP or higher and Macintosh operating systems. No drivers are required to use this connection; but you may need to enable MIDI on your computer’s sound and audio control panel.

To use the KA150 digital piano as a MIDI controller with a computer, use any Type-A to Type-B USB cable. By default, the KA150 digital piano acts as a MIDI controller (not a hard drive) when connected to a computer.

If you have a sequencer program installed on your computer, you can use this USB connection to record and play your music. The KA150 digital piano’s recorder is actually a sequencer and the performance you record into the KA150 digital piano’s memory is MIDI performance data. Using a computer based sequencer program provides unlimited memory, editing, and posting on the Internet.

# Chapter 10 GM Sound List

| Program Change | General MIDI Sound Name |
|----------------|-------------------------|----------------|-------------------------|----------------|-------------------------|----------------|-------------------------|
| 1              | Grand Piano1            | 33             | Acoustic Bass           | 65             | Soprano Sax             | 97             | Ice Rain                |
| 2              | Grand Piano2            | 34             | Fingered Bass           | 66             | Alto Sax                | 98             | Soundtrack              |
| 3              | Electric Grand          | 35             | Picked Bass             | 67             | Tenor Sax               | 99             | Crystal                 |
| 4              | Honky Tonk              | 36             | Fretless Bass           | 68             | Baritone Sax            | 100            | Atmosphone              |
| 5              | Electric Piano1         | 37             | Slap Bass1              | 69             | Oboe                    | 101            | Brightness              |
| 6              | Electric Piano2         | 38             | Slap Bass2              | 70             | English Horn            | 102            | Goblin                  |
| 7              | Harpicord               | 39             | Synth Bass1             | 71             | Bassoon                 | 103            | Echo Drops              |
| 8              | Clavinet                | 40             | Synth Bass2             | 72             | Clarinet                | 104            | Star Theme              |
| 9              | Celesta                 | 41             | Violin                  | 73             | Piccolo                 | 105            | Sitar                   |
| 10             | Glockenspiel            | 42             | Viola                   | 74             | Flute                   | 106            | Banjo                   |
| 11             | Music Box               | 43             | Cello                   | 75             | Recorder                | 107            | Shamisen                |
| 12             | Vibraphone              | 44             | Contrabass              | 76             | Pan Flute               | 108            | Koto                    |
| 13             | Marimba                 | 45             | Tremolo Strings         | 77             | Bottle Chiff            | 109            | Kalimba                 |
| 14             | Xylophone               | 46             | Pizzicato Strings       | 78             | Shakuhachi              | 110            | Bag Pipe                |
| 15             | Tubular Bells           | 47             | Harp                    | 79             | Whistle                 | 111            | Fiddle                  |
| 16             | Santur                  | 48             | Timpani                 | 80             | Ocarina                 | 112            | Shanai                  |
| 17             | Organ1                  | 49             | Strings                 | 81             | Square Wave             | 113            | Tinkle Bell             |
| 18             | Organ2                  | 50             | Slow Strings1           | 82             | Saw Wave                | 114            | Agogo                   |
| 19             | Organ3                  | 51             | Synth Strings1          | 83             | Syn. Calliope           | 115            | Steel Drums             |
| 20             | Church Organ            | 52             | Synth Strings2          | 84             | Chiffer Lead            | 116            | Woodblocks              |
| 21             | Reed Organ              | 53             | Choir Aahs              | 85             | Charang                 | 117            | Taiko                   |
| 22             | Accordion               | 54             | Voice Doo's             | 86             | Solo Vox                | 118            | Melo Tom1               |
| 23             | Harmonica               | 55             | Synth Vox               | 87             | 5th Saw Wave            | 119            | Synth Drum              |
| 24             | Bandoneon               | 56             | Orchestra Hit           | 88             | Bass & Lead             | 120            | Reverse Cym             |
| 25             | Nylon String Gtr        | 57             | Trumpet                 | 89             | Fantasia                | 121            | Gtr Fret Noise          |
| 26             | Steel String Gtr        | 58             | Trombone                | 90             | Warm Pad                | 122            | Breath Noise            |
| 27             | Jazz Gtr                | 59             | Tuba                    | 91             | Polysynth               | 123            | Seashore                |
| 28             | Clean Gtr               | 60             | Muted Trumpet           | 92             | Space Voice             | 124            | Bird                    |
| 29             | Muted Gtr               | 61             | French Horn             | 93             | Bowed Glass             | 125            | Telephone               |
| 30             | Overdrive Gtr           | 62             | Brass1                  | 94             | Metal Pad               | 126            | Helicopter              |
| 31             | Distortion Gtr          | 63             | Synth Brass1            | 95             | Halo Pad                | 127            | Applause                |
| 32             | Gtr Harmonics           | 64             | Synth Brass2            | 96             | Sweep Pad               | 128            | Gunshot                 |

# Chapter 11 Drum Sets

|  |      | Animal & Nature       |
|--|------|-----------------------|
|  | A 0  |                       |
|  | A# 0 |                       |
|  | B 0  |                       |
|  | C 1  |                       |
|  | C# 1 |                       |
|  | D 1  |                       |
|  | D# 1 | High Q                |
|  | E 1  | Slap                  |
|  | F 1  | Stratch Push          |
|  | F# 1 | Stratch Pull          |
|  | G 1  | Sticks                |
|  | G# 1 | Square Click          |
|  | A 1  | Metronome Click       |
|  | A# 1 | Metronome Bell        |
|  | B 1  | Bass Drum 2 (Acoust)  |
|  | C 2  | Bass Drum 1 (Rock)    |
|  | C# 2 | Side Stick            |
|  | D 2  | Snare Drum 1          |
|  | D# 2 | Hand Clap             |
|  | E 2  | Snare Drum 2          |
|  | F 2  | Low Floor Tom         |
|  | F# 2 | Closed Hi Hat (EXC 1) |
|  | G 2  | Hi Floor Tom          |
|  | G# 2 | Pedal Hi Hat (EXC 1)  |
|  | A 2  | Low Tom               |
|  | A# 2 | Open Hi Hat (EXC 1)   |
|  | B 2  | Low-Mid Tom           |
|  | C 3  | Hi Mid Tom            |
|  | C# 3 | Crash Cymbal 1        |
|  | D 3  | High Tom              |
|  | D# 3 | Ride Cymbal 1         |
|  | E 3  | Chines Cymbal         |
|  | F 3  | Ride Bell             |
|  | F# 3 | Tambourine            |
|  | G 3  | Splash Cymbal         |
|  | G# 3 | Cowbell               |
|  | A 3  | Craxh Cymbal 2        |
|  | A# 3 | Vibraslap             |
|  | B 3  | Ride Cymbal 2         |
|  | C 4  | Hi Bongo              |
|  | C# 4 | Lo BONGO              |
|  | D 4  | Mute Hi Conga         |
|  | D# 4 | Open Hi Conga         |
|  | E 4  | Low Conga             |
|  | F 4  | Hi Timbal             |
|  | F# 4 | Low Timbal            |
|  | G 4  | High Agogo            |
|  | G# 4 | Low Agogo             |
|  | A 4  | Cabasa                |
|  | A# 4 | Maracas               |
|  | B 4  | Short Whistle (EXC 2) |
|  | C 5  | Low Whistle (EXC 2)   |
|  | C# 5 | Short Guiro (EXC 3)   |
|  | D 5  | Long Guiro (EXC 3)    |
|  | D# 5 | Claves                |
|  | E 5  | Hi Wood Block         |
|  | F 5  | Low Wood Block        |
|  | F# 5 | Mute Cuica (EXC 4)    |
|  | G 5  | Open Cuica (EXC 4)    |
|  | G# 5 | Mute Triangle (EXC 5) |
|  | A 5  | Open Triangle (EXC 5) |
|  | A# 5 | Shaker                |
|  | B 5  | Jingle Bell           |
|  | C 6  | Belltree              |
|  | C# 6 | Castanets             |
|  | D 6  | Mute Surdo (ESC 6)    |
|  | D# 6 | Open Surdo (ESC 6)    |
|  | E 6  |                       |
|  | F 6  | Thunder               |
|  | F# 6 | Stream                |
|  | G 6  |                       |
|  | G# 6 | Seashore              |
|  | A 6  |                       |
|  | A# 6 | Applause              |
|  | B 6  |                       |
|  | C 7  | Bell                  |
|  | C# 7 | Ring                  |
|  | D 7  |                       |
|  | D# 7 | Intercom              |
|  | E 7  |                       |
|  | F 7  | Car string            |
|  | F# 7 | Horn                  |
|  | G 7  |                       |
|  | G# 7 | Patrol car            |
|  | A 7  |                       |
|  | A# 7 | Train                 |
|  | B 7  |                       |
|  | C 8  | Helicopter            |
|  |      | Boat                  |

# Chapter 12 Sonatine, Rhythm Bank

## Sonatine

| F. KUHLAU          | Select No        | W.A. MOZART           | Select No        |
|--------------------|------------------|-----------------------|------------------|
| OP.20 NO.1-1       | 1                | K.545-1               | 37               |
| OP.20 NO.1-2       | 2                | K.545-2               | 38               |
| OP.20 NO.1-3       | 3                | K.545-3               | 39               |
| OP.20 NO.2-1       | 4                | <b>L.V. BEETHOVEN</b> | <b>Select No</b> |
| OP.20 NO.2-2       | 5                | OP.49 NO.2-1          | 40               |
| OP.20 NO.2-3       | 6                | OP.49 NO.2-2          | 41               |
| OP.20 NO.3-1       | 7                | OP.49 NO.1-1          | 42               |
| OP.20 NO.3-2       | 8                | OP.49 NO.1-2          | 43               |
| OP.20 NO.3-3       | 9                | <b>J.L. DUSSEK</b>    | <b>Select No</b> |
| OP.55 NO.1-1       | 10               | OP.20 NO.1-1          | 44               |
| OP.55 NO.1-2       | 11               | OP.20 NO.1-2          | 45               |
| OP.55 NO.2-1       | 12               |                       |                  |
| OP.55 NO.2-2       | 13               |                       |                  |
| OP.55 NO.2-3       | 14               |                       |                  |
| OP.55 NO.3-1       | 15               |                       |                  |
| OP.55 NO.3-2       | 16               |                       |                  |
| <b>M. CLEMENTI</b> | <b>Select No</b> |                       |                  |
| OP.36 NO.1-1       | 17               |                       |                  |
| OP.36 NO.1-2       | 18               |                       |                  |
| OP.36 NO.1-3       | 19               |                       |                  |
| OP.36 NO.2-1       | 20               |                       |                  |
| OP.36 NO.2-2       | 21               |                       |                  |
| OP.36 NO.2-3       | 22               |                       |                  |
| OP.36 NO.3-1       | 23               |                       |                  |
| OP.36 NO.3-2       | 24               |                       |                  |
| OP.36 NO.3-3       | 25               |                       |                  |
| OP.36 NO.4-1       | 26               |                       |                  |
| OP.36 NO.4-2       | 27               |                       |                  |
| OP.36 NO.4-3       | 28               |                       |                  |
| OP.36 NO.5-1       | 29               |                       |                  |
| OP.36 NO.5-2       | 30               |                       |                  |
| OP.36 NO.5-3       | 31               |                       |                  |
| OP.36 NO.6-1       | 32               |                       |                  |
| OP.36 NO.6-2       | 33               |                       |                  |
| <b>J.HAYDN</b>     | <b>Select No</b> |                       |                  |
| HOB.16-35-1        | 34               |                       |                  |
| HOB.16-35-2        | 35               |                       |                  |
| HOB.16-35-3        | 36               |                       |                  |

## Rhythm Bank

| Rhythm      | Select No |
|-------------|-----------|
| Jazz        | r-1       |
| 16Beat      | r-2       |
| Pop         | r-3       |
| Home Beat   | r-4       |
| Sweet Beat  | r-5       |
| Rhythm Beat | r-6       |
| Hiphop      | r-7       |
| Groove      | r-8       |
| Polka       | r-9       |
| Rumba       | r-10      |
| Euro Beat   | r-11      |
| Chacha      | r-12      |
| Bosanoba    | r-13      |
| Regeae      | r-14      |
| Gospel      | r-15      |



## MIDI Implementation Chart

Manufacturer:

Date : 7/25/2015

KURZWEIL

Version 1.0

| Function         | Transmitted  | Recognized | Remarks          |                 |
|------------------|--|------------|------------------|-----------------|
| Basic Channel    | Default  | 1          | Omni ON          |                 |
|                  | Changed  | 1          | Omni ON, 1~16    |                 |
| Mode             | Default  | X          | Mode 1           |                 |
|                  | Messages   | X          | X                |                 |
|                  | Altered  |            |                  |                 |
| Note Number      |  | 21~ 109    | 21~ 109          |                 |
|                  | True Voice   |            | 21~ 109          |                 |
| Velocity         | Note ON  | O          | O                |                 |
|                  | Note OFF   | X          | O                |                 |
| After Touch      | Keys   | X          | X                |                 |
|                  | Channels   | X          | X                |                 |
| Pitch Bend       |  | X          | O                |                 |
| Control Change   | 0  | X          | O                | Bank Select     |
|                  | 1  | X          | O                | Modulation      |
|                  | 6,38   | X          | O                | Data Entry      |
|                  | 7  | X          | O                | Midi Volume     |
|                  | 10   | X          | O                | Pan             |
|                  | 11   | X          | O                | Expression      |
|                  | 64   | O          | O                | Sustain Pedal   |
|                  | 66   | O          | O                | Sostenuto Pedal |
|                  | 67   | O          | O                | Soft Pedal      |
|                  | 91   | X          | O                | Reverb Depth    |
|                  | 93   | X          | O                | Chorus Depth    |
|                  | 98   | X          | O                | NRPN LSB        |
|                  | 99   | X          | O                | NRPN MSB        |
|                  | 100  | X          | O                | RPN LSB         |
| 101              | X  | O          | RPN MSB          |                 |
| 120              | X  | O          | All Sound Off    |                 |
| 121              | X  | O          | Reset Controller |                 |
| Program Change   |  | O          | O                | 0~127           |
| System Exclusive |  | X          | X                |                 |
| System           | Local On/Off   | X          | O                |                 |
|                  | Split On/Off   | X          | X                |                 |
|                  | All Note Off   | X          | O                |                 |
|                  | Active Sense   | X          | X                |                 |
|                  | Reset  | X          | X                |                 |
| Notes            | 1. Mode 1 : Omni On, Poly    2. Mode 2 : Omni On, Mono<br>3. Mode 3 : Omni Off, Poly    4. Mode 4 : Omni Off, Mono |            |                  |                 |

O = Yes  
X = No

|                        |   |
|------------------------|---|
| <b>Keyboard</b>        | <b>88RPTA Note fully - Weighted Hammer Action</b>                     |
| <b>Voice Type</b>      | <b>Streo PCM</b>  |
| <b>Cabinet</b>         | <b>Patten Type</b>  |
| <b>Finish</b>          | <b>Simulated Rosewood or White</b>                                    |
| <b>Demo Song</b>       | <b>14 Song</b>  |
| <b>Proset Programs</b> | <b>128GM + Drum Kits</b>  |
| <b>Rhythm</b>          | <b>26 Rhythm(11 Rhythm + 15 Rhythm Bank)</b>                          |
| <b>Education Mode</b>  | <b>Bayer, &amp; Czerny 100,30,40,Sonatine</b>                         |
| <b>Pedal</b>           | <b>3Pedal(Sustain,Soft,Sostenuto)</b>                                 |
| <b>Polyphony</b>       | <b>68 Poly</b>  |
| <b>Play Mode</b>       | <b>Splits,Layers,Dual</b>   |
| <b>Other</b>           | <b>Volume,Tune,Transpose,Touch,Metronome</b>                          |
| <b>Connectors</b>      | <b>Headphone x 2, MP3 Aux in , Audio In/Out, USB MIDI, MIC In Put</b> |
| <b>Audio Power</b>     | <b>20W x 2, 8 Ohms</b>  |
| <b>Speaker</b>         | <b>6.5" x 2</b>   |
| <b>Demenseions</b>     | <b>1380 x 497 x 867mm(W x D x H)</b>                                  |
| <b>Weight</b>          | <b>54kg</b>   |



**KURZWEIL**



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www.kurzweil.com

# KURZWEIL

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