

KAWAI

ANYTIME X3

ATX3L

Owner's Manual

Part Names and Functions

Basic Operation

General Operation

Appendix

EN

Thank you for purchasing a Kawai AnyTimeX3 hybrid upright piano!

This owner's manual contains important information regarding this instrument's usage and operation. Please read all sections carefully, keeping this manual handy for future reference.

Table of Contents

Table of Contents	3	Appendix	26
IMPORTANT SAFETY INSTRUCTIONS	4	Troubleshooting	26
Part Names and Functions	8	Connecting to Other Devices	27
Basic Operation	10	USB MIDI (USB to Host connector)	28
General Operation	12	Specifications	29
1. Selecting Sounds	13	MIDI Implementation Chart	30
2. Metronome	14		
3. Virtual Technician (Smart Mode)	16		
4. Reverb	18		
5. Tuning	19		
6. Transpose	20		
7. MIDI Channel	21		
8. Local Control	24		
9. Auto Power Off	25		

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

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



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



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



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

Examples of Picture Symbols



Denotes that care should be taken.
The example instructs the user to take care not to allow fingers to be trapped.



Denotes a prohibited operation.
The example instructs that disassembly of the product is prohibited.



Denotes an operation that should be carried out.
The example instructs the user to remove the power cord plug from the AC outlet.

Read all the instructions before using the product.

- 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 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 prongs are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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



WARNING

Indicates a potential hazard that could result in death or serious injury if the product is handled incorrectly.

The product should be connected to an AC outlet of the specified voltage.



- If you are going to use an AC power cord, make sure that it has the correct plug shape and conforms to the specified power voltage.
- Failure to do so may result in fire.

Use only the AC adaptor included with this instrument to power the instrument.



- Do not use other AC adaptors to power this instrument.
- Do not use the included AC adaptor or AC power cord to power other equipment.

Do not insert or disconnect the power cord plug with wet hands.



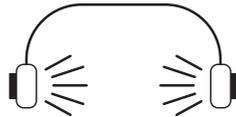
Doing so may cause electric shock.

The chair must be used properly (it must be used only when playing the product).

- Do not play with it or stand on it.
- Only one person is allowed to sit on it.
- Do not sit on it when opening the lid.
- Re-tighten the bolts occasionally.

Doing so may cause the chair to fall over or your fingers to be trapped, resulting in injury.

When using the headphones, do not listen for long periods of time at high volume levels.



Doing so may result in hearing problems.

Do not lean against the keyboard.



Doing so may cause the product to fall over, resulting in injury.

Do not disassemble, repair or modify the product.



Doing so may result in product breakdown, electric shock or short-circuit.

When disconnecting the AC power cord's plug, always hold the plug and pull it to remove it.



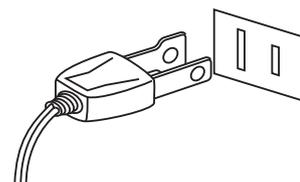
- Pulling the AC power cord itself may damage the cord, causing a fire, electric shock or short-circuit.

The product is not completely disconnected from the power supply even when the power switch is turned off. If the product will not be used for a long time, unplug the AC power cord from the AC outlet.



- Failure to do so may cause fire in case of lightning.
- Failure to do so may over-heat the product, resulting in fire.

This product may be equipped with a polarised 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.



It is a good practice to place the instrument near the AC outlet and to place the power cord plug in a position that allows the plug to be disconnected easily in the event of an emergency. Electricity is always charging while the plug is in the AC outlet even when the power switch is in the 'OFF' position.



CAUTION

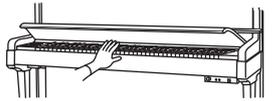
Indicates a potential hazard that could result in injury or damage to the product or other property if the product is handled incorrectly.

Do not use the product in the following areas.

- Areas, such as those near windows, where the product is exposed to direct sunlight
- Extremely hot areas, such as near a heater
- Extremely cold areas, such as outside
- Extremely humid areas
- Areas where a large amount of sand or dust is present
- Areas where the product is exposed to excessive vibrations

Using the product in such areas may result in product breakdown. Use the product only in moderate climates (not in tropical climates).

When closing the fallboard, close it gently.



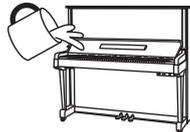
Closing it roughly may trap your fingers, resulting in injury.

Before connecting cords, make sure that the power to this product and other devices is turned OFF.



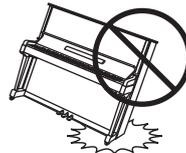
Failure to do so may cause breakdown of this product and other devices.

Take care not to allow any foreign matter to enter the product.



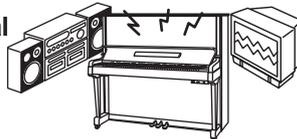
Entry of water, needles or hair pins may result in breakdown or short-circuit. The product should not be exposed to dripping or splashing. No objects filled with liquids, such as vases, should be placed on the product.

Do not drag the product on the floor. Take care not to drop the product.



Please lift up the product when moving it. Please note that the product is heavy and must be carried by more than two persons. Dropping the product may result in breakdown.

Do not place the product near electrical appliances such as TVs and radios.



- Doing so may cause the product to generate noise.
- If the product generates noise, move the product sufficiently away from the electrical appliance or connect it to another AC outlet.

When connecting the AC power cord and other cords, take care not to entangle them.



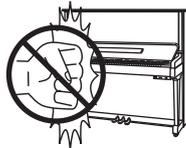
Failure to do so may damage them, resulting in fire, electric shock or short-circuit.

Do not wipe the product with benzene or thinner.



- Doing so may result in discoloration or deformation of the product.
- When cleaning the product, put a soft cloth in lukewarm water, squeeze it well, then wipe the product.

Do not stand on the product or exert excessive force.



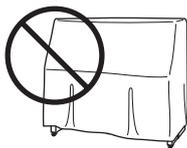
- Doing so may cause the product to become deformed or fall over, resulting in breakdown or injury.

Do not place naked flame, such as lighted candles on the product.



Doing so may cause the illumination to fall over, resulting in fire.

Ensure that the ventilation is not impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.



Failure to do so may over-heat the product, resulting in fire.

The product should be located so that its location or position does not interfere with its proper ventilation. Ensure a minimum distance of 5cm around the product for sufficient ventilation.

The product should be serviced by qualified service personnel when:

- The power supply cord or the plug has been damaged.
- Objects have fallen, or liquid has been spilled into the product.
- The product has been exposed to rain.
- The product does not appear to operate normally or exhibits a marked change in performance.
- The product has been dropped, or the enclosure damaged.

Notice regarding electrostatic discharge (ESD)

If the instrument exhibits any malfunction due to electrostatic discharge (ESD), please turn the instrument off and then on again. Please discharge all static electricity from you before using the external memories such as a USB memory device in order to avoid any damage on device.

Notes on Repair

Should an abnormality occur in the product, immediately turn the power OFF, disconnect the power cord plug, and then contact the shop from which the product was purchased.

Instruction for AC power cord (U.K.)

IMPORTANT

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

BLUE : NEUTRAL
BROWN : LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED. Do not plug either terminal of the power cord to the the ground od AC outlet on the wall.

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

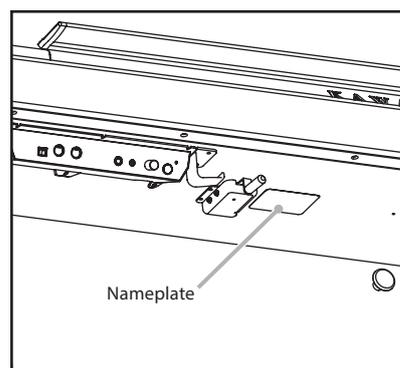
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a different electrical circuit from the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

Declaration of Conformity

Products :	Hybrid Upright Piano
Model Number :	ATX3L
Responsible Party Name :	Kawai America Corporation
Address :	2055 East University Drive Rancho Dominguez, CA 90220
Telephone :	310-631-1771

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

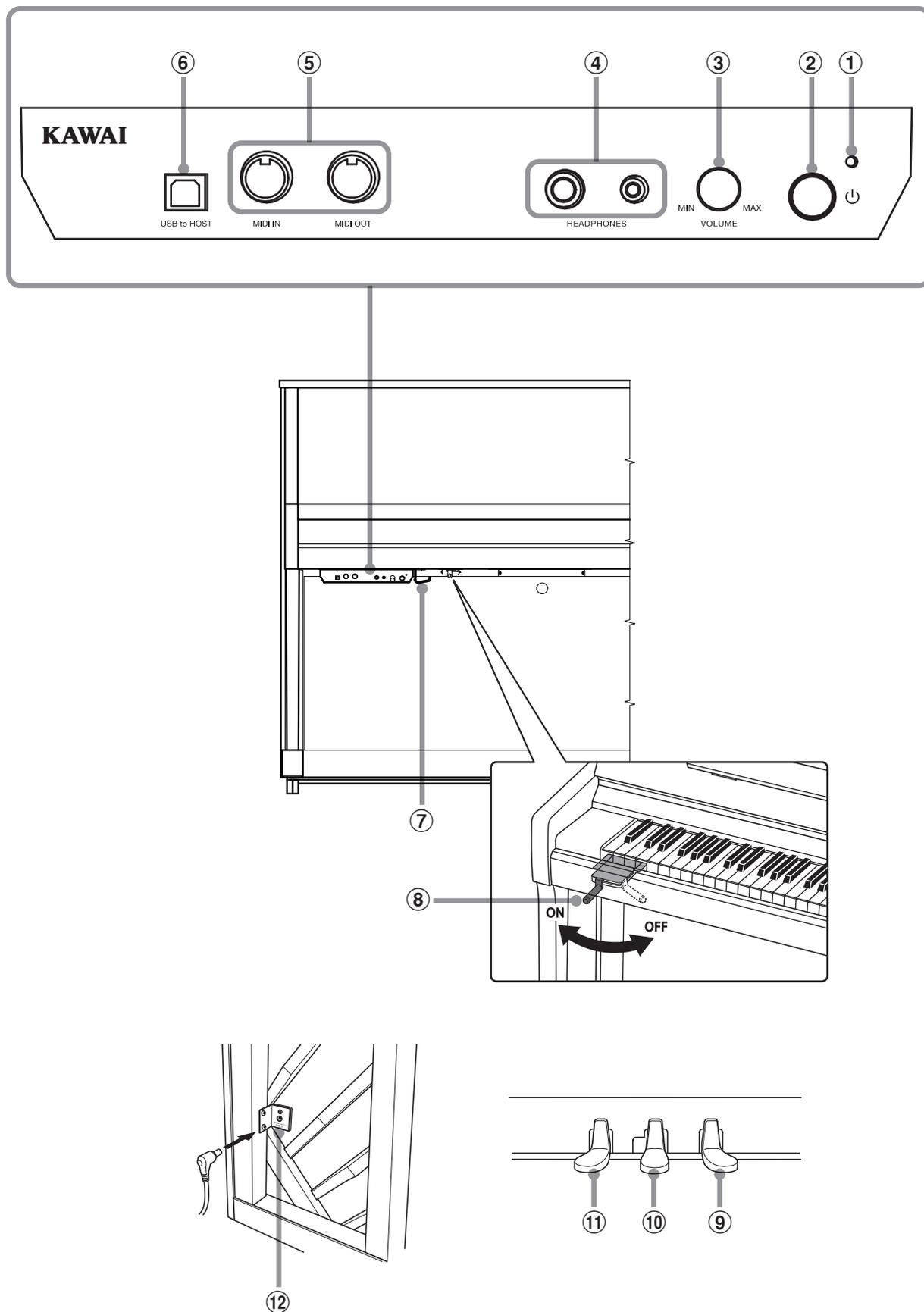
The nameplate label is located on the underside of the instrument, as indicated below.



This applies only to products distributed by Kawai America Corporation.

Part Names and Functions

This section explains the location and functions of the control box and connectors.



① LED power indicator

This LED lights up when this instrument's control box is turned on.

② POWER Button

This button is used to turn this instrument on/off. Be sure to turn off this instrument after playing.

* This instrument features a power saving mode that can turn off the instrument automatically after a specified period of inactivity.

For more information, please refer to the "Auto Power Off" setting on page 25.

③ MASTER VOLUME knob

This knob is used to adjust the volume when AnyTime mode is activated

* The MASTER VOLUME knob will also affect the volume level of the LINE OUT connectors.

④ HEADPHONES jacks

These jacks are used to connect up to two pairs of headphones simultaneously.

⑤ MIDI IN/OUT jacks

These jacks are used to connect this instrument to external MIDI devices such as other electronic instruments or computers in order to send and receive MIDI data.

⑥ USB to HOST port

This port is used to connect this instrument to a computer using USB "B to A" type cable in order to send and receive MIDI data.

⑦ Headphone hook

This hook is used to conveniently hang the headphones when not in use.

⑧ Muffler lever

This lever is used to activate/deactivate the muffler system of the acoustic piano.

Pull the lever to activate and push it back to deactivate.

⑨ Damper pedal

This pedal is used to remove all dampers from strings, allowing them to vibrate freely. Depressing this pedal sustains the sound after one's hand have been lifted from the keyboard – greatly enriching the piano sound, while also assisting smooth "legato" passages.

⑩ Mute pedal

This pedal is used to mute the acoustic piano sound by depressing the pedal and sliding it gently to the left, thus activating AnyTime mode. Do not attempt to activate/deactivate AnyTime mode while playing the piano as this can cause serious damage to the action mechanism of this instrument.

⑪ Soft pedal / Sostenuto pedal

This pedal is used to soften the sound, reducing its volume. When the "Jazz Organ" sound is selected, the soft pedal is used to alternate the speed of the rotary speaker simulation between "Slow" and "Fast" effect modes.

It is also possible to use the Soft pedal as the Sostenuto pedal by depressing the pedal while turning this instrument on. In Sostenuto mode, depressing the pedal after playing the keyboard and before releasing the keys sustain the sound of only the keys just played. Any keys that are pressed after the Sostenuto pedal is depressed will not be sustained after the keys are released.

Furthermore, the Soft pedal is used to select different sounds, change reverb setting, and adjust various other setting of this instrument.

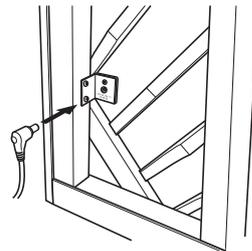
⑫ DC IN jack

This jack is used to connect the AC adaptor.

Basic Operation

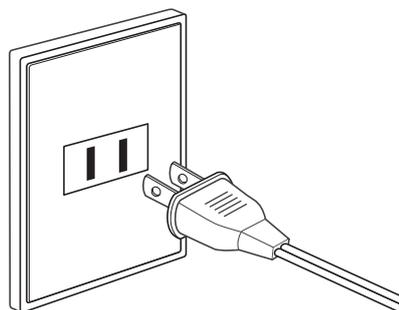
1. Connecting the AC adaptor to this instrument

Connect the included power cable to the DC IN connector located on the back side of this instrument, in the bottom left corner.



2. Plugging the AC adaptor's power plug to an outlet

Plug the included AC adaptor's power plug into the electric wall outlet.

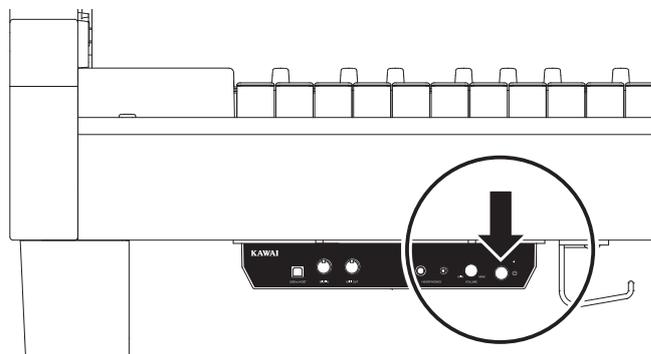


3. Turning on the power

Press the POWER button located on the right side of the control box.

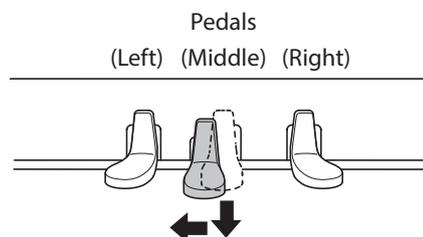
This instrument will turn on and the LED power indicator above the POWER button will light up to indicate that the instrument's control box is turned on.

* This instrument features a power saving mode that can turn off the instrument automatically after a specified period of inactivity. For more information, please refer to the "Auto Power Off" setting on page 25.



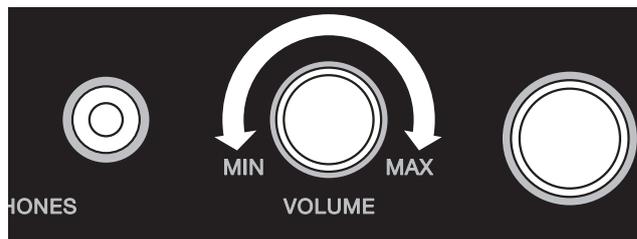
4. Activating AnyTime Mode

Depress the Mute pedal, then slide it gently to the left to mute the acoustic piano sound and activate AnyTime Mode.



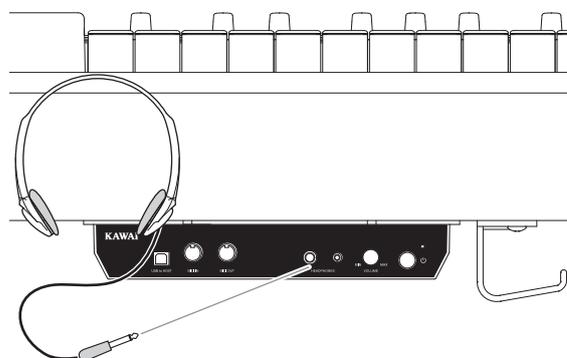
5. Adjusting the volume

Turn the VOLUME knob clockwise/anti-clockwise to increase/decrease the volume level of this instrument's headphones.



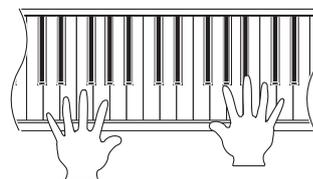
6. Connecting a pair of headphones to one of the HEADPHONES jacks located on the front of the control box

Two pairs of headphones can be connected simultaneously, allowing two people to listen to this instrument at the same time.



7. Playing the piano

The sound of the SK-EX Concert Grand piano will be played through the headphones, with acoustic piano sound muted.

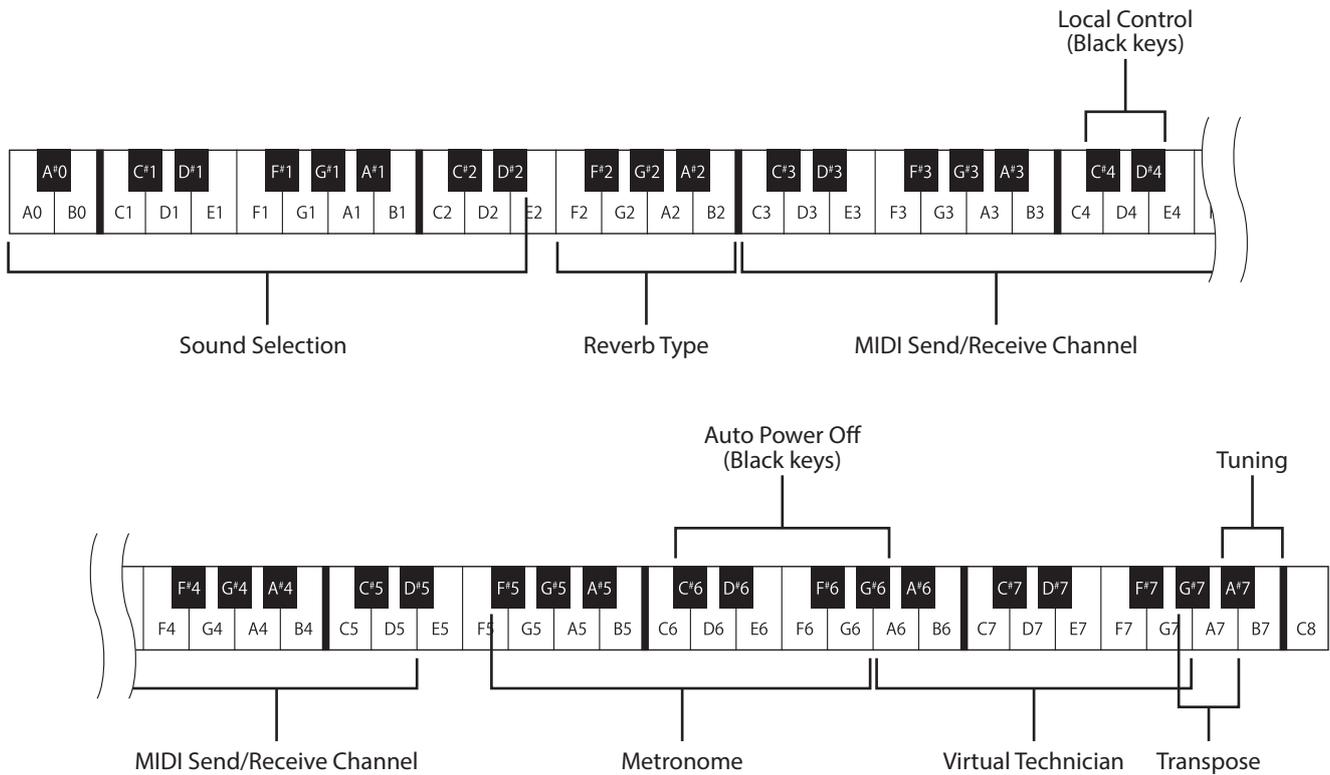


General Operation

This section explains how to combine keyboard and pedal presses to select different sounds, change reverb settings, and adjust various other settings of this instrument.

1. Selecting Sounds	4. Reverb Type	7. MIDI Channel
2. Metronome	5. Tuning	8. Local Control
3. Virtual Technician (Smart Mode)	6. Transpose	9. Auto Power Off

* The following illustrations display the keys assigned to adjusting various settings of this instrument.



* Pressing one of the keys indicated in the above illustrations while "Setting Mode" is activated will allow various settings of this instrument to be adjusted. During "Setting Mode", no sound will be produced when pressing one of those keys, with the exception of the keys used for adjusting the Metronome, which will produce a metronome sound when pressed.

* Pressing keys which are not indicated in the above illustrations will produce the currently selected sound. These keys allow changes to the sound to be heard as they are made.

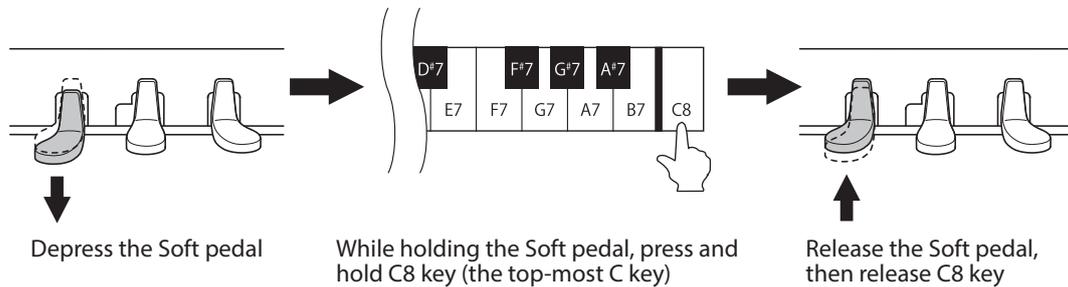
1. Selecting Sounds

This instrument features 19 realistic tones/sounds suitable for various musical styles.

■ Instrument Sounds

Sound Name	Key	Sound Name	Key
SK-EX Concert Grand	A0	Jazz Organ	G1
EX Concert Grand	A#0	Church Organ	G#1
Upright Piano	B0	Harpichord	A1
Studio Grand 1	C1	Vibraphone	A#1
Studio Grand 2	C#1	String Ensemble	B1
Mellow Grand 1	D1	Slow Strings	C2
Mellow Grand 2	D#1	Choir	C#2
Modern Piano	E1	New Age Pad	D2
Classic E.Piano	F1	Atmosphere	D#2
Modern E.Piano	F#1		

■ Activating Setting Mode



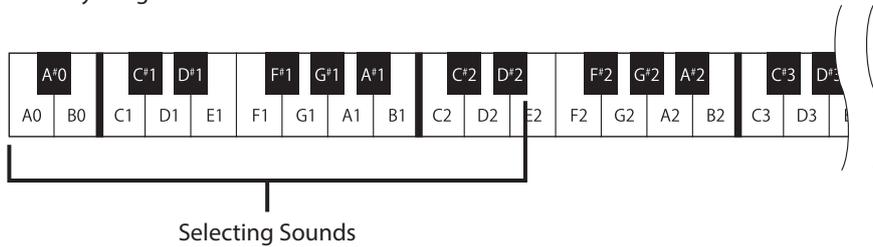
The above combination of holding the Soft pedal while pressing C8 key will activate Setting Mode.

- * If the Damper pedal is held while performing the above combination, Setting Mode will not be activated.
- * If another key is pressed while depressing the Soft pedal, Setting Mode will not be activated.

General Operation

■ Selecting Sounds

Press one of keys (from A0 to D#2) to select the desired sound. Please refer to the table on the previous page for a list of available sounds and the respective key assignments.



■ Deactivating Setting Mode

After selecting the desired sound, depress the Damper pedal to deactivate Setting Mode.

* SK-EX Concert Grand will be selected automatically when the power is turned on.

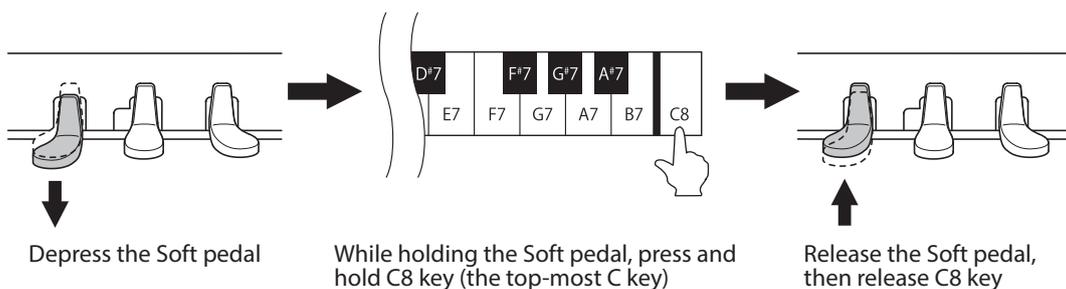
2. Metronome

The Metronome function provides a steady beat to aid practicing the piano at a consistent tempo. The time signature, volume, and tempo of the metronome can be freely adjusted.

■ Metronome Function

Metronome Function	Key	Metronome Function	Key
Decrease metronome volume	F#5	Stop metronome	C6
Increase metronome volume	G5	Start/Set metronome to 1/4 time signature	D6
Decrease metronome tempo by 10 BPM	G#5	Start/Set metronome to 2/4 time signature	E6
Increase metronome tempo by 10 BPM	A5	Start/Set metronome to 3/4 time signature	F6
Decrease metronome tempo by 1 BPM	A#5	Start/Set metronome to 4/4 time signature	G6
Increase metronome tempo by 1 BPM	B5		

■ Activating Setting Mode



The above combination of holding the Soft pedal while pressing C8 key will activate Setting Mode.

* If the Damper pedal is held while performing the above combination, Setting Mode will not be activated.

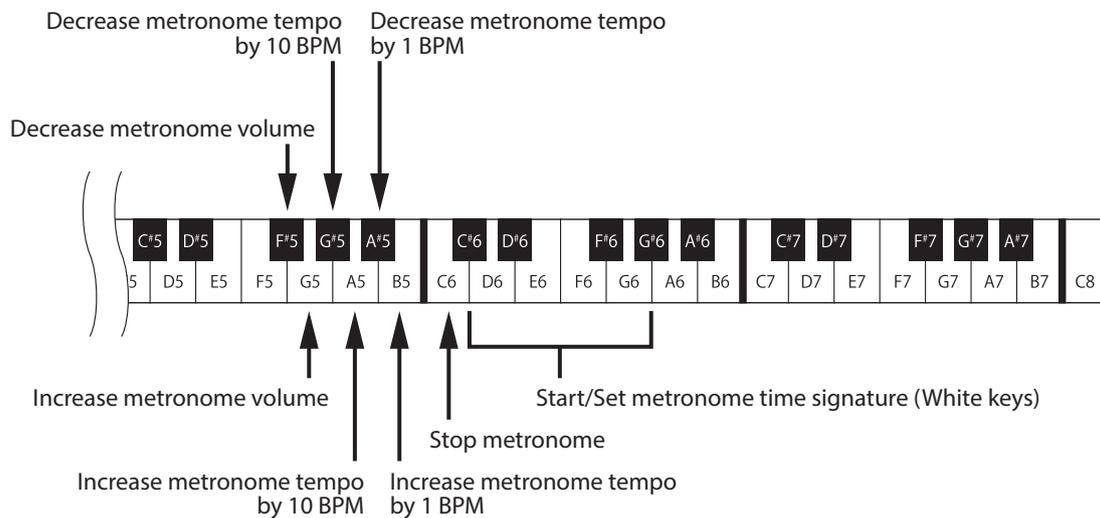
* If another key is pressed while depressing the Soft pedal, Setting Mode will not be activated.

■ Adjusting Metronome Time Signature, Tempo, and Volume

Press D6, E6, F6 or G6 keys to start the metronome and/or set the metronome time signature.

Press G#5, A5, A#5 or B5 keys to adjust the metronome tempo.

Press F#5 key or G5 key to adjust the metronome volume.



* The metronome tempo can be adjusted within the range of 10-300 BPM.

Press G#5 and A5, or A#5 and B5 keys simultaneously to restore the metronome tempo to the default value of 120 BPM.

* The metronome volume can be adjusted within the range of 1-10.

Press F#5 and G5 keys simultaneously to restore the metronome volume to the default value of 5.

■ Deactivating Setting Mode

After adjusting the desired metronome settings, depress the Damper pedal to deactivate Setting Mode.

3. Virtual Technician (Smart Mode)

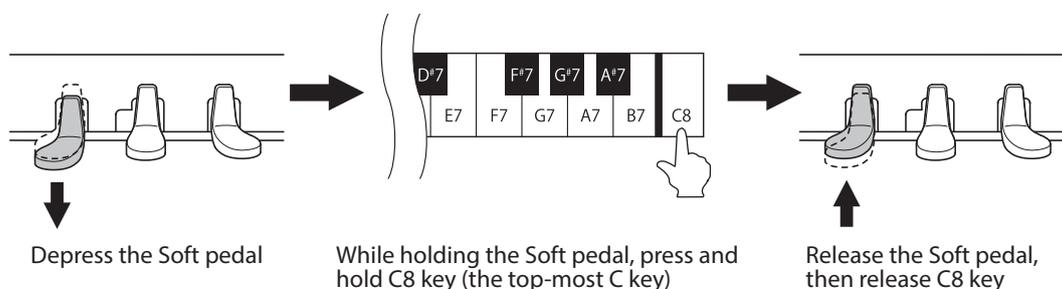
An experienced piano technician is essential to fully realize the potential of the fine acoustic piano. In addition to tuning each note, the technician also performs numerous regulation and voicing adjustments that allow the instrument to truly sing.

This instrument's Virtual Technician simulates these refinements digitally, with ten preset configurations that intelligently adjust various characteristics of the acoustic piano sound to match different musical styles.

Virtual Technician Type

Virtual Technician Type	Description	Key
Off (default)	The default piano sound without additional adjustments	A6
Noiseless	A piano adjusted to minimize additional damper and string resonances, and mechanism noises.	A#6
Deep Resonance	A piano adjusted to emphasize damper and string resonances.	B6
Less Resonance	A piano adjusted to reduce damper and string resonance.	C7
Soft	A piano adjusted by softening the hammers and reducing the damper and string resonances.	C#7
Brilliant	A piano adjusted by hardening the hammers in order to produce a brighter tone for modern pieces.	D7
Clean	A piano adjusted by hardening the hammers and reducing the damper and string resonances.	D#7
Strong	A piano adjusted to emphasize dynamics with a lightened keyboard touch and powerful damper and string resonances.	E7
Dark	A piano adjusted by hardening the hammers and increasing the touch weight of the keyboard, in order to produce a dark, gloomy tone.	F7
Rich	A piano adjusted by lightening the touch weight of the keyboard and increasing damper and string resonances.	F#7
Classical	A piano adjusted for romantic, classical music, with a bright, open tone.	G7

Activating Setting Mode

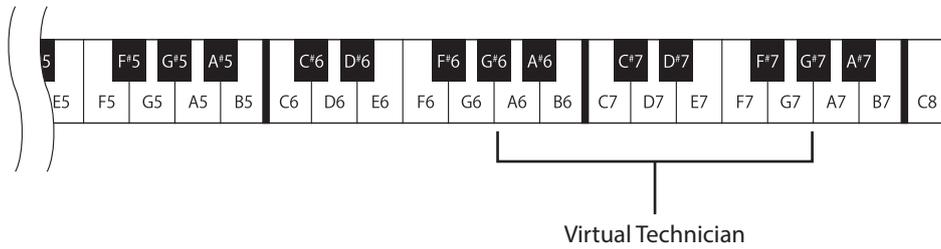


The above combination of holding the Soft pedal while pressing C8 key will activate Setting Mode.

- * If the Damper pedal is held while performing the above combination, Setting Mode will not be activated.
- * If another key is pressed while depressing the Soft pedal, Setting Mode will not be activated.

■ Selecting the Virtual Technician Type

Press one of the keys (from A6 to G7) to select the desired type. Please refer to the table on the previous page for a list of available Virtual Technician and the respective key assignments.



■ Deactivating Setting Mode

After adjusting the desired Virtual Technician setting, depress the Damper pedal to deactivate Setting Mode.

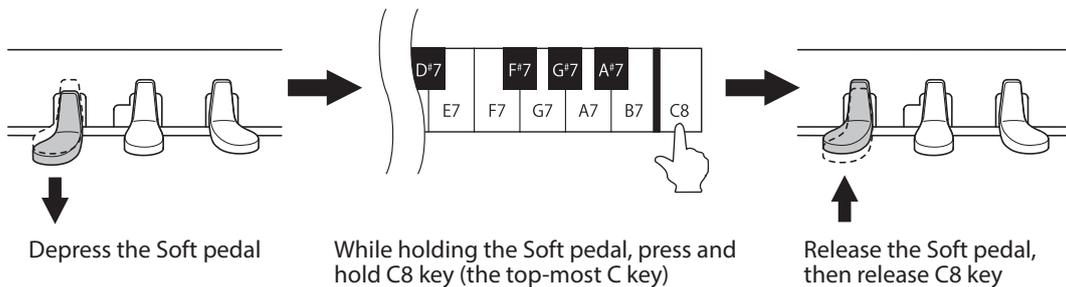
4. Reverb

The Reverb setting adds reverberation to the sound, simulating the acoustic environment of a recital room, stage, or concert hall. The most suitable reverb type is applied automatically when selecting each sound, however it is also possible to select a different reverb type manually if desired.

■ Reverb Type

Reverb Type	Description	Key
Off	Disables the reverb effect.	F2
Room	Simulates the ambience of a small rehearsal room.	F#2
Lounge	Simulates the ambience of an piano lounge.	G2
Small Hall	Simulates the ambience of a small hall.	G#2
Concert Hall	Simulates the ambience of a concert hall or theater.	A2
Live Hall	Simulates the ambience of a live hall or stage.	A#2
Cathedral	Simulates the ambience of a large cathedral.	B2

■ Activating Setting Mode

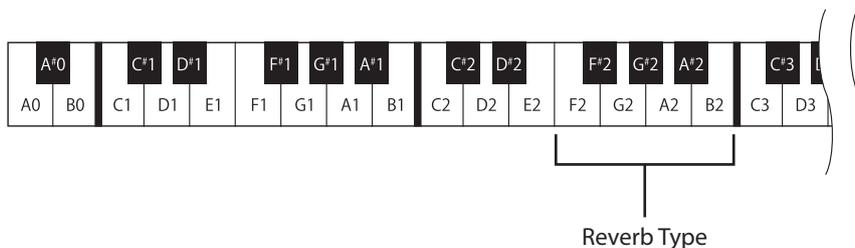


The above combination of holding the Soft pedal while pressing C8 key will activate Setting Mode.

- * If the Damper pedal is held while performing the above combination, Setting Mode will not be activated.
- * If another key is pressed while depressing the Soft pedal, Setting Mode will not be activated.

■ Selecting Reverb Type

Press one of the keys (from F2 to B2) to select the desired type. Please refer to the table above for a list of type and the respective key assignments.



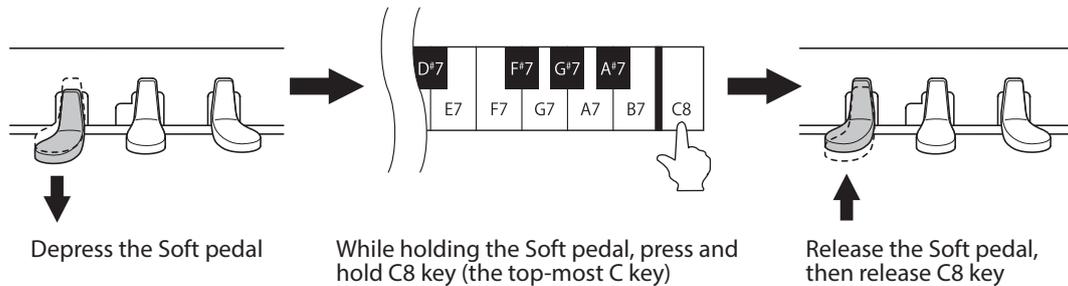
■ Deactivating Setting Mode

After selecting the desired reverb type, depress the Damper pedal to deactivate Setting Mode.

5. Tuning

The Tuning setting allows the overall pitch of this instrument to be raised and lowered in 0.5Hz steps, and may therefore prove useful when playing with other instrument.

■ Activating Setting Mode

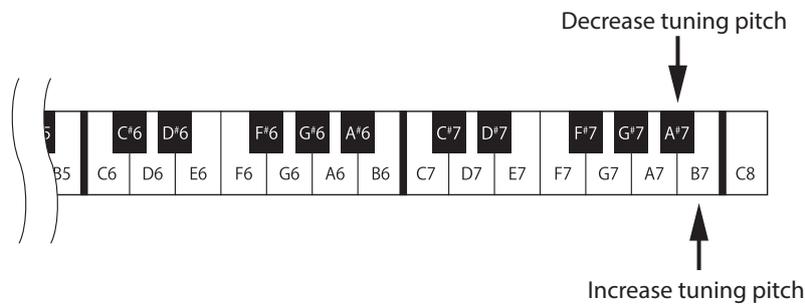


The above combination of holding the Soft pedal while pressing C8 key will activate Setting Mode.

- * If the Damper pedal is held while performing the above combination, Setting Mode will not be activated.
- * If another key is pressed while depressing the Soft pedal, Setting Mode will not be activated.

■ Adjusting Tuning Value

Press B7 key repeatedly to increase the tuning pitch, or A#7 key repeatedly to decrease the tuning pitch.



- * The tuning value can be adjusted within the range of 427.0 to 453.0 Hz, altering by 0.5 Hz increments/decrements each time B7 or A#7 key is pressed.
- * Press A#7 and B7 keys simultaneously to restore the tuning setting to the default value of 440 Hz.

■ Deactivating Setting Mode

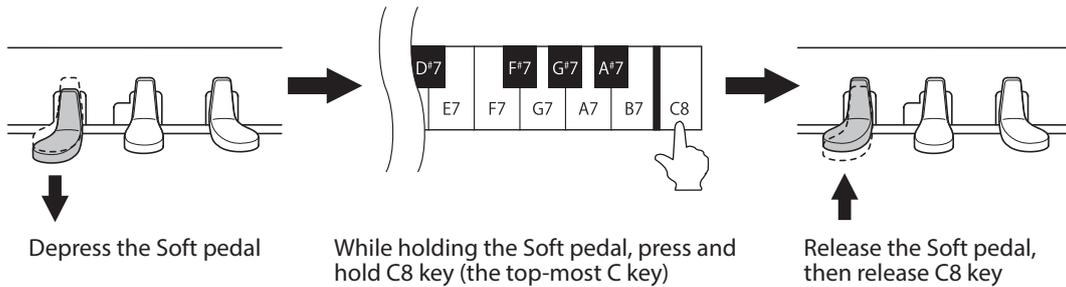
After adjusting the desired tuning value, depress the Damper pedal to deactivate Setting Mode.

- * The tuning value will be stored and recalled automatically when the power is turned on.

6. Transpose

The transpose function allows the key of this instrument to be raised or lowered in half steps. This is particularly useful when accompanying instruments with different tones, or when a song learned in one key must be played in another key.

■ Activating Setting Mode

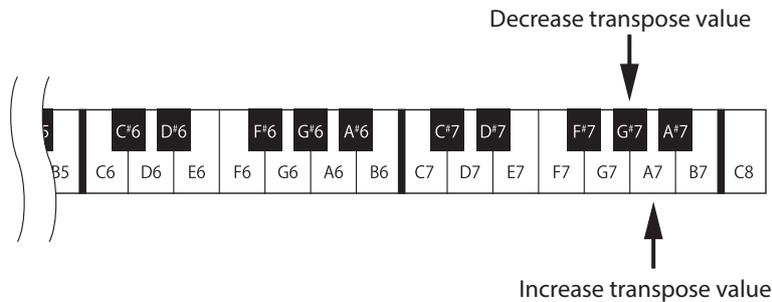


The above combination of holding the Soft pedal while pressing C8 key will activate Setting Mode.

- * If the Damper pedal is held while performing the above combination, Setting Mode will not be activated.
- * If another key is pressed while depressing the Soft pedal, Setting Mode will not be activated.

■ Adjusting Transpose Value

Press A7 key repeatedly to increase the transposition value, or G#7 key repeatedly to decrease the transposition value.



- * The transpose value can be adjusted within the range of 12 halftones higher or 12 halftones lower.
- * Press G#7 and A7 keys simultaneously to restore the transpose setting to the default value of 0.

■ Deactivating Setting Mode

After adjusting the desired transpose value, depress the Damper pedal to deactivate Setting Mode.

- * The transpose value will be set to 0 automatically when the power is turned on.

7. MIDI Channel

■ MIDI overview

The term MIDI is an acronym for Musical Instrument Digital Interface, an international standard for connecting synthesizers, sequencers (MIDI recorders) and other electronic instruments in order to exchange performance data.

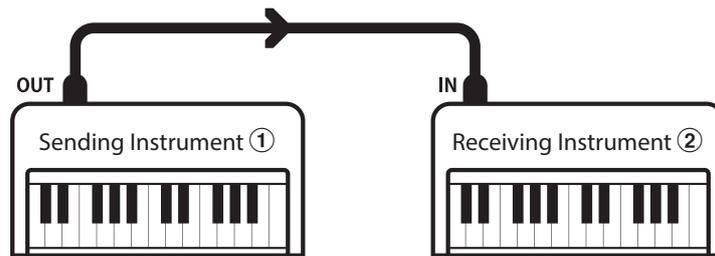
This instrument is equipped with two MIDI jacks for exchanging data; MIDI IN and MIDI OUT. Each uses a special cable with a DIN connector.

- MIDI IN : For receiving note, program change and other data.
- MIDI OUT : For sending note, program change and other data.

MIDI uses channels to exchange data back and forth between MIDI devices. There are receive (MIDI IN) and transmit (MIDI OUT) channels. Most musical instruments or devices with MIDI functions are equipped with both MIDI IN and MIDI OUT jacks and are capable of receiving and transmitting data via MIDI.

The receive channels are used to receive data from another MIDI device and the transmit channels are used to transmit data to another MIDI device.

MIDI connection example:



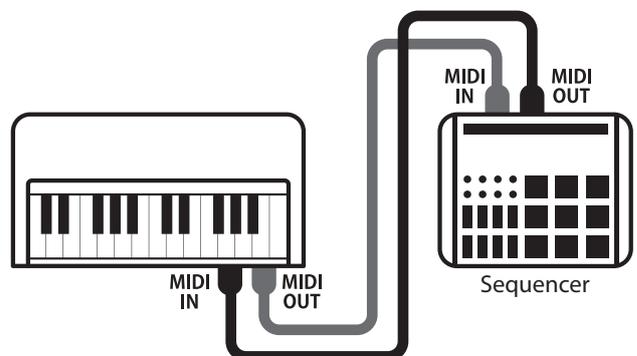
When connected as shown in the illustration above, MIDI data sent from ① will be also played on ② if both channels match.

MIDI instruments have 16 channels for receiving and sending MIDI data.

■ MIDI examples

Connection to a sequencer:

When connected as shown in this illustration, songs played on this instrument can be recorded with a sequencer, and then played back at any time.



General Operation

■ MIDI Functions

This instrument supports the following MIDI functions:

Transmit/receive note information

Transmit/receive note information to/from a MIDI-connected musical instrument or device.

Transmit/receive pedal data

Transmit/receive sustain, sostenuto, and soft pedal data to/from a MIDI-connected musical instrument or device.

Transmit/receive program change information

Transmit/receive program change data to/from a MIDI-connected musical instrument or device.

Sending/Receiving MIDI Program Change numbers

Sound Name	Program Number	Sound Name	Program Number
SK-EX Concert Grand	1	Jazz Organ	11
EX Concert Grand	2	Church Organ	12
Upright Piano	3	Harpichord	13
Studio Grand 1	4	Vibraphone	14
Studio Grand 2	5	String Ensemble	15
Mellow Grand 1	6	Slow Strings	16
Mellow Grand 2	7	Choir	17
Modern Piano	8	New Age Pad	18
Classic E.Piano	9	Atmosphere	19
Modern E.Piano	10		

Receive volume data

Receive MIDI volume data sent from a MIDI-connected musical instrument or device.

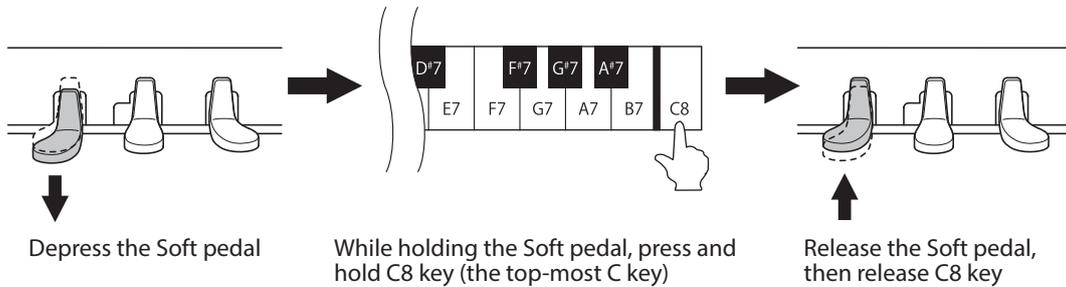
Transmit/receive exclusive data

Transmit/receive from panel or menu function setting as exclusive data.

The MIDI Channel function is used to determine on which MIDI channel this instrument will exchange MIDI information with external MIDI devices and instruments.

The selected channel will function as both the Transmit and Receive channel.

■ Activating Setting Mode



The above combination of holding the Soft pedal while pressing C8 key will activate Setting Mode.

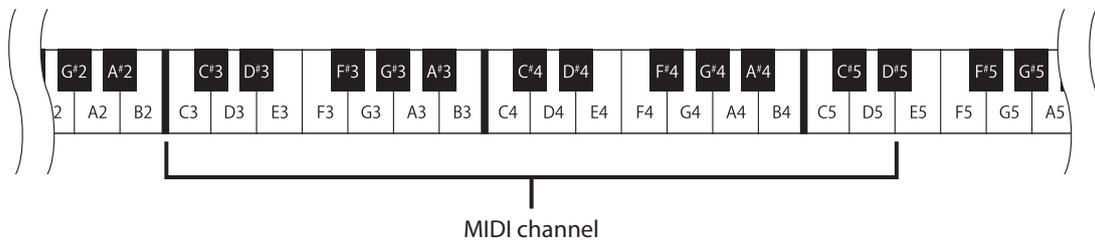
* If the Damper pedal is held while performing the above combination, Setting Mode will not be activated.

* If another key is pressed while depressing the Soft pedal, Setting Mode will not be activated.

■ Adjusting MIDI Channel

Press white C3 to D5 keys to adjust the MIDI channel.

Please refer to the table below for a list of MIDI channels and the respective key assignments.



Key	C3	D3	E3	F3	G3	A3	B3	C4	D4	E4	F4	G4	A4	B4	C5	D5
MIDI Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

* The MIDI channel can be adjusted within the range of 1-16.

* Press C#3 key to allow MIDI information to be received from all channels.

This is often referred to as "OMNI ON". If a specific MIDI channel is selected, this instrument will be set to "OMNI OFF" and data will only be received on that specified channel.

■ Deactivating Setting Mode

After adjusting the desired MIDI channel settings, depress the Damper pedal to deactivate Setting Mode.

* The MIDI channel setting will be set to "OMNI ON 1ch" automatically when the power is turned on.

* For more information regarding the MIDI capabilities of this instrument, please refer to "MIDI Implementation Chart" on page 30.

8. Local Control

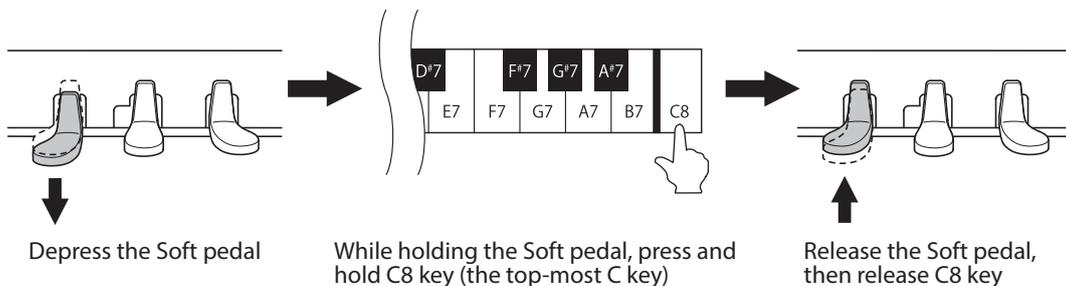
This function determines whether this instrument will play a sound when the keyboard is played.

With Local Control set to "On", this instrument will play a sound when the keyboard is played. However, even with Local Control set to "Off", this instrument keyboard will continue to transmit data on the selected MIDI channel to an external MIDI device or personal computer.

Local Control Settings

Local Control	Description	Key
Off	This instrument will transmit information to an external MIDI device only.	C#4
On (default)	This instrument will play an internal sound and transmit information to an external MIDI device.	D#4

Activating Setting Mode



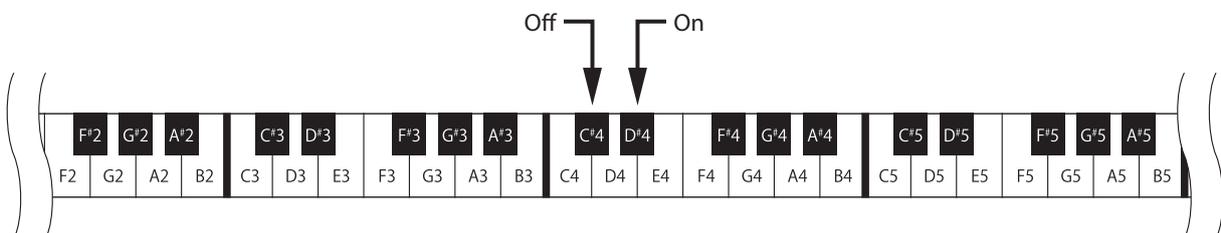
The above combination of holding the Soft pedal while pressing C8 key will activate Setting Mode.

* If the Damper pedal is held while performing the above combination, Setting Mode will not be activated.

* If another key is pressed while depressing the Soft pedal, Setting Mode will not be activated.

Adjusting Local Control

Press C#4 or D#4 keys to adjust the local control setting.



Deactivating Setting Mode

After adjusting the desired local control, depress the Damper pedal to deactivate Setting Mode.

* The local control setting will be set to "On" automatically when the power is turned on.

9. Auto Power Off

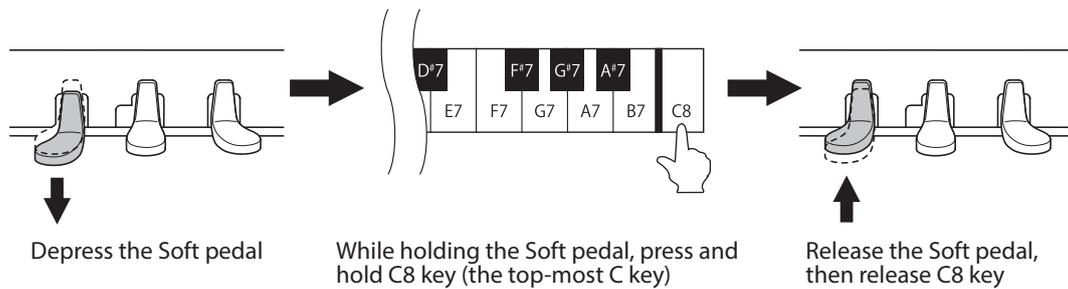
The Auto Power Off setting can be used to automatically turn off this instrument after specified period of inactivity. This function may enable by default, depending on the market location.

* The Auto Power Off setting will be stored automatically, and recalled every time this instrument is turned on.

Auto Power Off Settings

Auto Power Off	Description	Key
Off	The Auto Power Off function is disabled.	C#6
15 min. (default)	This instrument will turn off automatically after 15 minutes of inactivity.	D#6
60 min.	This instrument will turn off automatically after 60 minutes of inactivity.	F#6
120 min.	This instrument will turn off automatically after 120 minutes of inactivity.	G#6

Activating Setting Mode



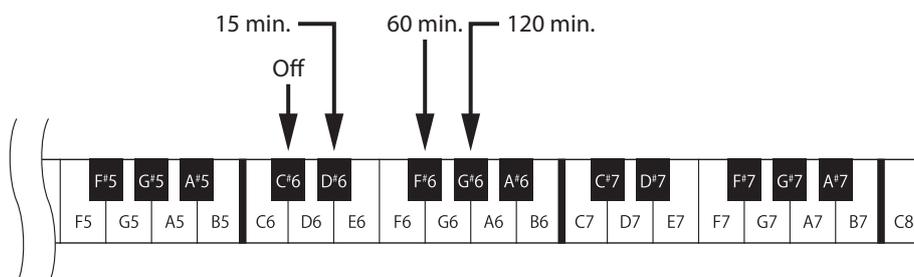
The above combination of holding the Soft pedal while pressing C8 key will activate Setting Mode.

* If the Damper pedal is held while performing the above combination, Setting Mode will not be activated.

* If another key is pressed while depressing the Soft pedal, Setting Mode will not be activated.

Adjusting auto power off settings

Press C#6, D#6, F#6, or G#6 keys to adjust the Auto Power Off setting.



Deactivating Setting Mode

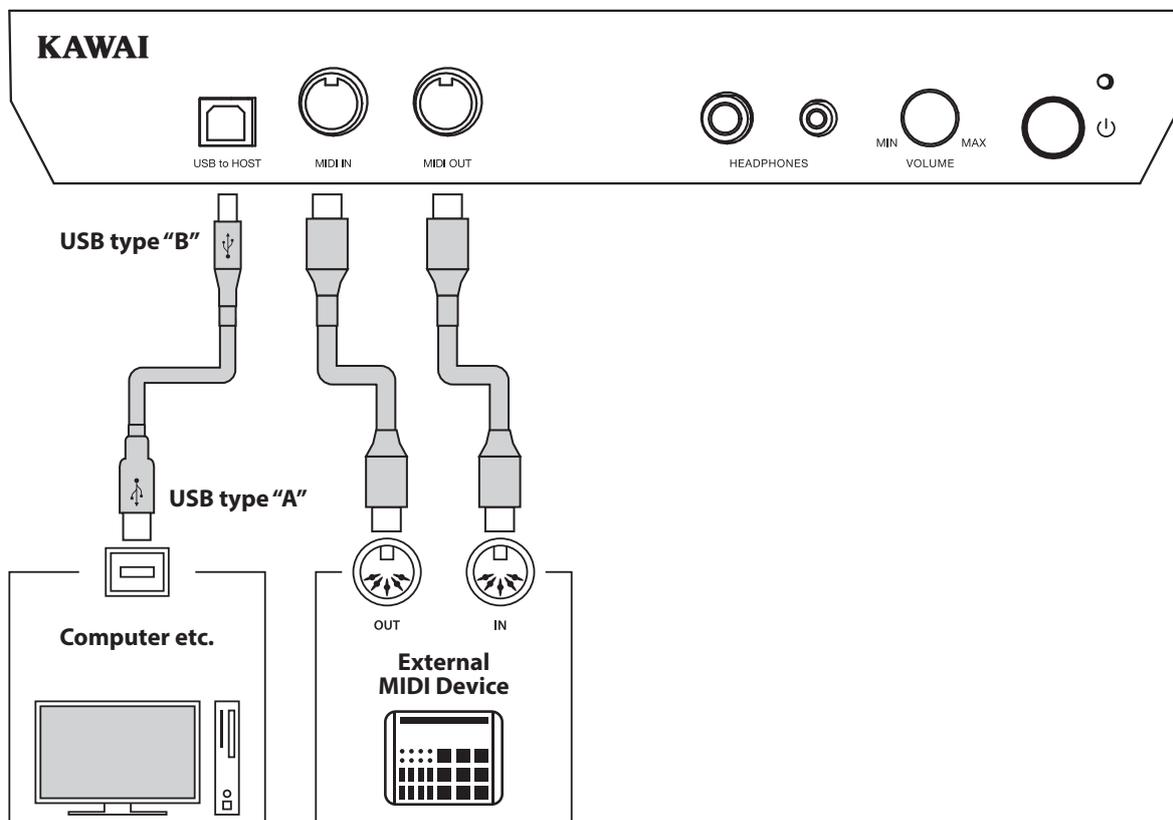
After adjusting the desired Auto Power Off settings, depress the Damper pedal to deactivate Setting Mode.

Appendix

Troubleshooting

	Problem	Possible Cause and Solution	Page no.
Power	This instrument does not turn on.	Check that the power cable is firmly attached to this instrument, and connected to an AC outlet and AC adaptor.	p. 10
	This instrument turns itself off after a period of inactivity.	Check that the "Auto Power Off" function is not enabled.	p. 25
Sound	This instrument is turned on, however no sound is produced when the keys are played.	Check that the MASTER VOLUME knob is not set to the lowest position.	p. 10
		Check that a pair of headphones (or headphone adaptor plug) is not connected to HEADPHONES jack.	p. 10
		Check that Local Control is enabled in the MIDI Setting menu.	p. 24
	The sound distorts when playing at very loud volume levels.	Check that the MASTER VOLUME knob is set to an appropriate level, reducing the volume if excessive distortion is heard.	p. 10
	The pitch or sound quality with a specific piano timbre is odd.	This instrument at AnyTime Mode attempts to reproduce the rich variety of tones created by an acoustic grand piano as accurately as possible. This includes damper resonances and other subtle effects that contribute to the overall piano playing experience. While these additional effects are intended to enhance the realism of this instrument, it is possible to reduce their prominence, or disable them altogether using the sound settings.	p. 16 p. 18
Pedals	Some top notes of the keyboard sustain for longer than neighbouring notes, even when the damper pedal is not pressed.	This is the correct behaviour, and intended to reproduce the undamped notes (typically the top two octaves) of an acoustic piano.	—

Connecting to Other Devices



① MIDI IN/OUT jacks

These jacks are used to connect this instrument to external MIDI devices, such as a sound module, or a computer with a MIDI interface.

② USB to Host port ("B" type)

This port is used to connect this instrument to a computer using a USB cable. When connected, this instrument can be used as a standard MIDI device, allowing it to send and receive MIDI data. Connect a "B" type USB connector to this instrument, and an "A" type USB connector to the computer.

With additional conversion adaptors, this port may also be used to connect this instrument to tablets such as the Apple iPad and other mobile devices.

USB MIDI (USB to Host connector)

This instrument features a “USB to Host” type connector, allowing the instrument to be connected to a computer using an inexpensive USB cable and utilised as a MIDI device. Depending on the type of computer and operating system installed, additional driver software may be required for USB MIDI communication to function correctly.

■ USB MIDI driver

Operating System	USB MIDI Driver Support
Windows Vista (SP1, SP2) Windows Vista 64-bit (SP1, SP2) Windows 7 Windows 7 64-bit Windows 8 Windows 8 64-bit Windows 8.1 Windows 8.1 64-bit Windows 10 Windows 10 64-bit	The standard (built-in) Windows USB-MIDI driver is used. This driver will be installed automatically when this instrument is connected to the computer. To enable MIDI communication between the application software and this instrument, select “USB-MIDI” as a MIDI device.
Windows Vista (no SP) Windows Vista 64-bit (no SP)	USB-MIDI is not supported. Please upgrade to Service Pack 1 or Service Pack 2.
Windows 98 SE Windows 2000 Windows ME Windows XP (no SP, SP1, SP2, SP3) Windows XP 64-bit	Windows XP or earlier versions are not supported. Please use a third-party MIDI interface for MIDI connection.
Mac OS X	Additional USB MIDI driver software NOT required. The standard (built-in) Mac OS X USB MIDI driver will be installed automatically when this instrument is connected to the computer.
Mac OS 9	USB MIDI is not supported. Please use the standard MIDI IN/OUT connectors.

■ USB MIDI information

- If this instrument’s MIDI IN/OUT jacks and USB MIDI port are both connected simultaneously, the USB MIDI port will be given priority.
- Ensure that this instrument is turned OFF before attempting to connect the USB MIDI cable.
- When connecting this instrument to a computer using the USB MIDI port, there may be a short delay before communications begin.
- If this instrument is connected to a computer via a USB hub and USB MIDI communication becomes unreliable/unstable, please connect the USB MIDI cable directly to the one of the computer’s USB ports.
- Disconnecting the USB MIDI cable suddenly, or turning this instrument on/off while using USB MIDI may cause computer instability in the following situations:
 - while installing the USB MIDI driver
 - while starting up the computer
 - while MIDI applications are performing tasks
 - while the computer is in energy saver mode
- If there are any further problems experienced with USB MIDI communication while this instrument is connected, please double-check all connections and relevant MIDI settings in the computer’s operating system.

* “Windows” is registered trademark of Microsoft Corporation.

* “Mac” and “iPad” are registered trademark of Apple Computer, Inc.

* Other company names and product names mentioned referenced herein may be registered trademarks or trademarks of respective owners.

Specifications

■ KAWAI Model ATX3L

Sounds	SK-EX Concert Grand, EX Concert Grand, Upright Piano, Studio Grand 1, Studio Grand 2, Mellow Grand 1, Mellow Grand 2, Modern Piano, Classic E.Piano, Modern E.Piano, Jazz Organ, Church Organ, Harpsichord, Vibraphone, String Ensemble, Slow Strings, Choir, New Age Pad, Atmosphere
Polyphony	Maximum 192 notes
Reverb	Room, Lounge, Small Hall, Concert Hall, Live Hall, Cathedral
Metronome	Time signatures: 1/4, 2/4, 3/4, 4/4 Tempo: 10-300 BPM
Other Functions	Virtual Technician (Smart Mode), Tuning, Transpose, MIDI settings, Auto Power Off
Pedals	Damper (with half-pedal support), Soft (switchable to Sostenuto)
Jacks	Headphones x2, MIDI (IN, OUT), USB to HOST
Power Consumption	7W (using included AC adaptor)
Accessories	Headphones, AC adaptor (PS-154), Owner's Manual

MIDI Implementation Chart

■ KAWAI Model ATX3L

Date : May 2018 Version : 1.0

Function		Transmit	Receive	Remarks
Basic channel	At power-up	1	1	
	Settable	1 - 16	1 - 16	
Mode	At power-up	Mode 3	Mode 1	* Omni mode is on at power-up. Omni mode can be turned off through MIDI channel setting operations.
	Message	×	Mode 1, 3*	
	Alternative	*****	×	
Note number	Range	9 - 120**	0 - 127	** 9 - 120, including transpose
		*****	0 - 127	
Velocity	Note on	○ 9nH v=1-127	○	
	Note off	× 8nH v=64	○	
After touch	Key specific	×	×	
	Channel specific	×	×	
Pitch bend		×	×	
Control change	7	×	○	Volume
	64	○ (Right pedal)	○	Damper pedal
	66	○ (Left pedal)***	○	***Sostenuto pedal ¹
	67	○ (Left pedal)	○	Soft pedal
Program change settable range		○ (0 - 12)	○	
Exclusive		○	○	
Common	Song position	×	×	
	Song selection	×	×	
	Tune	×	×	
Real time	Clock	×	×	
	Commands	×	×	
Other functions	Local On / Off	×	○	
	All notes Off	×	○ (123 - 127)	
	Active sensing	×	○	
	Reset	×	×	
Remarks	¹ Notes : Control Change #66 will function only when the Soft/Sostenuto pedal is set to "Sostenuto Pedal" mode (see page 9). Control Change #67 will function only when the Soft/Sostenuto pedal is set to "Soft Pedal" mode (default).			

Mode 1: omni mode On, Poly
 Mode 3: omni mode Off, Poly

Mode 2: omni mode On, Mono
 Mode 4: omni mode Off, Mono

○ : Yes
 × : No

KAWAI

THE FUTURE OF THE PIANO