
KAWAI





ANYTIME PIANO



Owner's Manual

Safety Instructions




Read this section carefully before using this product. It contains important safety warnings and cautions, which must be followed.

The following symbols are used on the product and their meanings are given below.


	CAUTION Risk of electric shock. Do not open.			Alerts the user to the risk of electric shock.
CAUTION: To prevent fire and electric shock, do not expose the product to rain or moisture.				Alerts the user to the presence of general cautions and warnings in the instruction manual accompanying the product.




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

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.

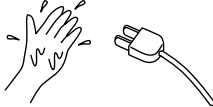
WARNING

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


120V 	230V 	240V 
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- Use the AC adapter supplied with the product or one recommended by Kawai.
- If you are going to use an AC power cord, make sure that its has the correct plug shape and conforms to the specified power voltage.
- Failure to do so may result in fire.

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



Doing so may cause electric shock.

Take care not to let the product fall down. 




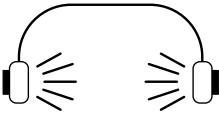
Please note that the product is heavy and must be carried by more than two persons. Dropping the product may result in breakdown.

The bench 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 during height adjustment.
- Do not sit on it when opening the lid.

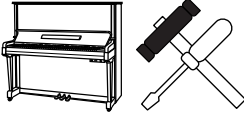
Doing so may cause the bench to fall over or your fingers to be trapped, resulting in injury.

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




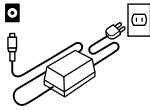
Doing so may result in hearing problems.

Do not disassemble, repair or modify the product. 



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

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.

! CAUTION

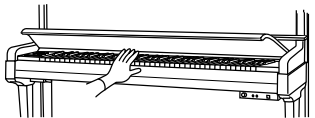
Do not use the product in the following areas.

- 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



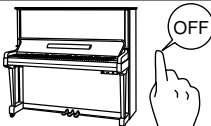
Using the product in such areas may result in product breakdown.

When you close the fallboard, close it gently.



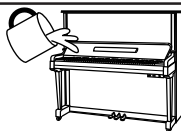
Closing it roughly may trap your fingers, resulting in injury.

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



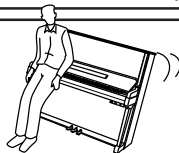
Failure to do so may cause breakdown of this product and other devices.

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



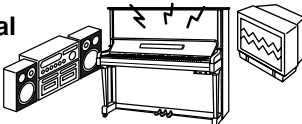
Entry of water, needles or hair pins may result in breakdown or short-circuit.

Do not lean against the keyboard.



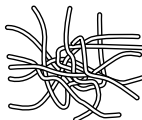
Doing so may cause the product to fall over, resulting in injury.

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 get them tangled.



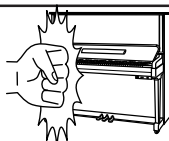
Failure to do so may damage them, resulting in fire, electric shock or short-circuit.

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.

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.

FCC Information (for U.S.A.)

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

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

Canadian Radio Interference Regulations

This instrument has been certified to comply with the limits for a class B digital apparatus, pursuant to the Radio Interference Regulations, C.R.C., c. 1374,

This musical instrument should be not commercial use but household use.

THE ANYTIME PIANO™

Thank you for purchasing a Kawai Anytime Piano. The Anytime Piano is a revolutionary new instrument that combines the capabilities of an acoustic piano and a digital piano. With the Anytime Piano, you can enjoy the pleasing, expressive tone that only a Kawai acoustic piano can provide... plus the powerful and exciting features that can only be found on a digital instrument.

As its name implies, the most compelling aspect of the Anytime Piano is that it can be played literally anytime without disturbing family or neighbours. It will let you enjoy the touch of a fine Kawai acoustic piano but still have the privacy and power of built-in digital sound. The Anytime Piano will offer many creative new possibilities for music-making in your home, school, or recording studio.

To get the most from your Anytime Piano, please read this manual carefully and become familiar with all its powerful functions and features. We trust that you and your Anytime Piano will be making beautiful music together (at any time of the day or night) for many years to come.

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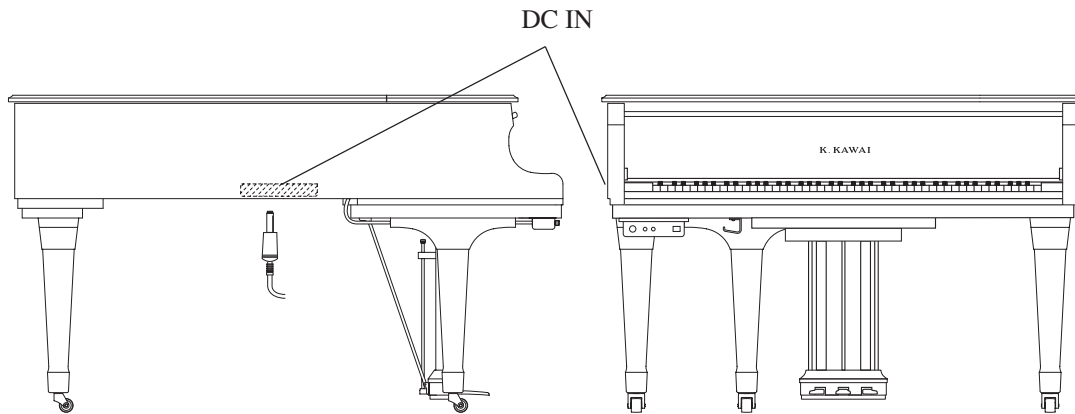
SETTING UP YOUR ANYTIME PIANO

Because it is an acoustic/electronic instrument, the Anytime Piano requires AC power to operate. Place the Anytime Piano in a location where electricity is available.

You can find the DC IN jack on the left side of your Anytime Grand Piano and on the lower left, at the rear, of your Anytime Upright Piano. Find the AC power adaptor (which is supplied with the instrument) and plug the smaller end into the DC IN jack (see Figure 1). Then, plug the larger end of the AC adaptor into your electrical wall outlet.

Setup is now complete and your Anytime Piano is ready to play.

ANYTIME GRAND PIANO



ANYTIME UPRIGHT PIANO

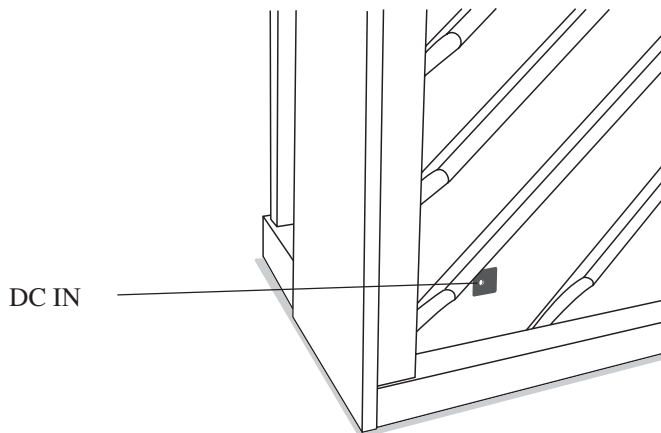


Fig 1

ENJOY PLAYING IN PRIVATE WITH “ANYTIME” MODE

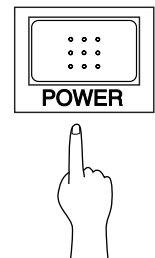
You’re now ready to activate the “Anytime” capability. This function mutes the acoustic piano sound by stopping the piano hammers before they hit the strings. With “Anytime” capability, you will never lose the “touch and feel” of an acoustic piano. Your playing on the keyboard will activate a digital sound generator so that sound will only be heard through headphones.

This feature is extremely useful for practice late at night when family members or neighbours are asleep, for practicing in a room that must be shared with others who desire a quiet environment, or for group music classes in which several students must practice at the same time. You’ll never have to worry about disturbing anyone!

Here’s how to play in “Anytime” mode:

1. TURN THE POWER ON

The power switch is located on the front panel of the Control Box. When power is on, the red lamp will be lit. If the red lamp does not light, check to be sure that the small end of the AC power adaptor is plugged into the DC IN jack on the left side (Grand Piano) or on the backside, bottom left rear, (Upright Piano).



2. ACTIVATING ANYTIME MODE

Find the “Mute Lever” which is located underneath the left side of the keyboard (see Figure 2). This lever turns the “Anytime” mode on and off. Push the mute lever carefully to the left as far as it will go (only about 5 cm / 2 inches). This puts you in Anytime Mode.

In Anytime Mode (with the mute lever moved to the left), you will not hear acoustic piano sound, but you will hear digital piano sound through headphones when you touch the keys.

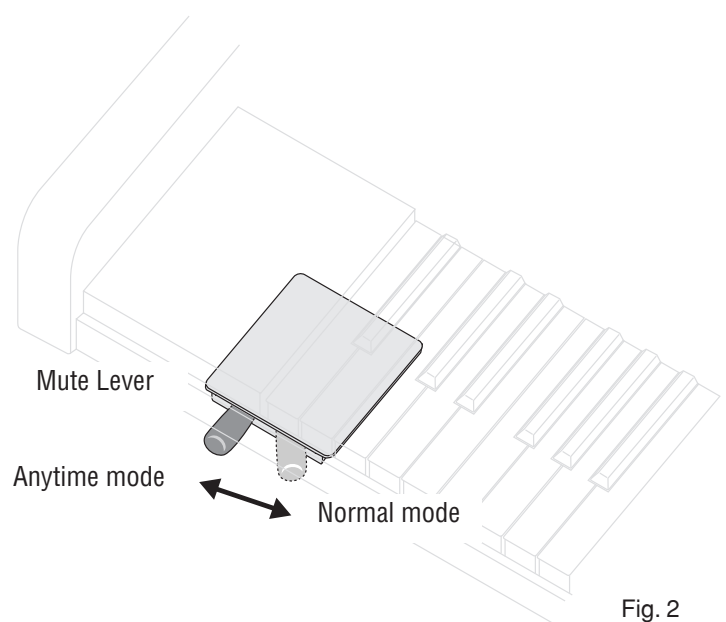


Fig. 2

IMPORTANT INFORMATION: (Please Read)

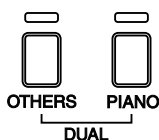
- Never leave the Mute Lever halfway between Anytime and Normal modes.
- Never move the Mute Lever while you are playing.

Both of these conditions can cause serious damage to the action mechanism of your Anytime Piano.

- Normal Mechanical Sound

In Anytime Mode, you will not hear acoustic piano sound, but you may hear the normal mechanical noise that is produced when the keys are struck. All acoustic pianos make this type of noise, but you generally will not be aware of it when the sound of the piano strings is present. This is not a defect.

3. SELECTING A SOUND

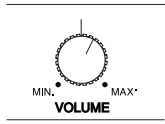


The Anytime Piano has total twenty digital sounds; ten acoustic piano sounds and ten other sounds. To select one of these sounds, press the PIANO button or the OTHERS button as many times as necessary until you reach the desired sound. Each time the button is pressed, a different sound is produced. A red lamp will light to indicate which button is currently selected. Try playing a few notes using the Jazz Organ, Strings or other sounds.

PIANO BUTTON	ASSIGNABLE BUTTON
Concert Grand	Jazz Organ
Concert Grand 2	Drawbar Organ
Studio Grand	Church Organ
Studio Grand 2	Diapason
Mellow Grand	Harpsichord
Mellow Grand 2	Harpsichord Oct
Modern Piano	Vibraphone
Rock Piano	Slow String
Classic E. Piano	Choir
Modern E. P.	New Age Pad

You can also select these sounds by using pedal and keyboard in “Setting Mode” (see Page 22).

4. ADJUSTING VOLUME AND REVERB



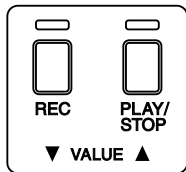
Plug headphones into the HEADPHONE JACKS on the front panel of the Control Box. Find the volume knob on the front panel of the Control Box and adjust the volume appropriately.

Then adjust the reverb setting to suit your taste. Reverb adds a rich ambient effect to the digital sound. There are five reverb settings available:

ROOM 1 & 2: Offers a soft reverberation, simulating the sound of a small room

STAGE : Simulates the sound of playing on stage

HALL 1 & 2: Simulates the deep reverberation of a large concert hall



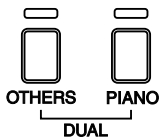
Hold down the REVERB button for more than one second to select the reverb. To select the reverb type, while holding down the REVERB button press “VALUE +” or “VALUE - ” button to select. After you have selected the reverb type, let go of the REVERB button and it goes back to sound selection screen.

You can switch the Reverb on/off each time you press the REVERB button. When the reverb is on, the LED will be lit.

You can also select the reverb by using pedal and keyboard in "Setting Mode" (see Page 22).

To access the button on the Control Panel with the grand piano, there is a place where you can place your hand on the cheekblock to lift it up.

5. LAYERING TWO SOUNDS (DUAL)



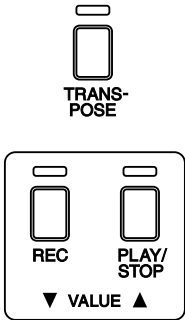
You can combine the piano sound with a tone selected from the Assignable sounds and layer them across the keyboard. This function is called “DUAL”.

To try DUAL, select a sound that you wish to use with the PIANO button and OTHERS button and the sound you have selected first will be displayed in the top line of the screen.

To select Jazz Organ, Drawbar Organ; while holding down the PIANO button, press OTHERS button once again.

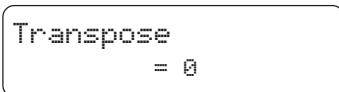
You can adjust the volume balance between the two sounds in VIRTUAL TECHNICIAN MODE (see Page 14). To leave the DUAL function, simply press either the PIANO button or the OTHERS button.

6. TRANSPOSE



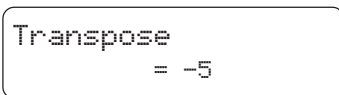
The Transpose function lets you raise or lower the piano's key in half steps. This is especially useful when you have learned a song in one key and have to play it in another key. The transpose feature allows you to play the song in the original key, but hear it in another key.

Hold down the TRANSPOSE button for more than one second to select the transpose amount.



The LCD display shows you the current value. The value is always set to "0" when the power is turned on. You can switch transpose on/off by pressing the button each time. The LED indicator will be turned on to indicate that transpose is in use.

To select, while holding down the TRANSPOSE button press "VALUE +" or "VALUE -" button to select.



The LCD display shows you a number telling you how many half steps up or down you have transposed the piano. -5 for example, represent a transposition that is 5 half steps lower. "0" indicates no transposition.

The piano can be transposed up to 12 half steps higher or 12 half steps lower.

Pressing TRANSPOSE button again turns the TRANSPOSE function off.

The TRANSPOSE function remembers the current setting as long as the power is on.

7. RETURNING TO NORMAL MODE

Hold the Mute Lever and gently move it to the right as far as it will go. This turns the Anytime Mode off and returns you to normal playing mode. In Normal Mode, the piano produces normal acoustic sound when you play the keys.

In Normal Mode, you can still hear digital piano sound through headphones.

OTHER ADVANCED CAPABILITIES

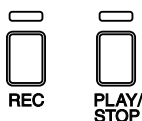
1. RECORDING YOUR PERFORMANCE

The Anytime Piano is equipped with a digital recorder that records what you play on the piano and plays it back with digital sounds. This is very helpful and useful function to practice and check your playing by yourself. A built-in metronome helps you stay at the right tempo when practicing.

With the Recorder, it is also possible to play two parts by yourself. Record one part first and play it back with the recorder while you play another part in real time.

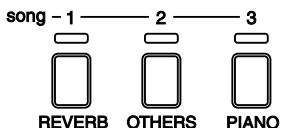
RECORDING

RECORD



To record, press the REC button to put the piano in Stand-by mode. The piano will start recording as soon as you press a key or by pressing the PLAY/STOP button. Press the REC button to exit Stand-by mode and go back to the normal screen.

Hold down the REC button for more than one second to select a song to record. To select a song, while holding down the REC button, press Song 1, 2, 3 buttons.



The LCD display shows the song number to be recorded.

You can start recording also by pressing the PLAY/STOP button instead of a key. The Recorder begins to function as soon as the button is pressed, regardless of which key you press.

Press PLAY/STOP button to stop recording.

The display will show that the recording has stopped and it automatically goes back to sound selection screen. If you press REC button and PLAY/STOP button at a same time, the piano will be in Song Delete mode. Both LED's will be lit at this point.

Press the REC button to delete the song. You can cancel the delete operation by pressing any button other than REC button. To select the song you want to delete, press the REC button and PLAY/STOP button for more than one second.

While holding down the REC button and PLAY/STOP button, press Song 1, 2, 3 buttons.

The total recording capacity is approximately 15,000 notes and the piano stores and plays the song you have recorded in memory up to 3 songs.
You can start recording again but the song that was previously recorded would be erased.

PLAYING BACK

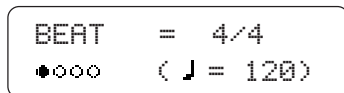
To listen to the music, start playback by pressing the PLAY/STOP button. While holding down the PLAY/STOP button, press Sound 1, 2, 3 buttons to select the song you want to hear.

2. USING THE METRONOME



The metronome provides a reference tempo and is helpful to keep the tempo steady when recording.

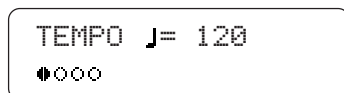
Press the METRONOME button to activate the function. You should hear simple ticks (no beat) when it's on. There are different beats available; 2- beat, 3-beat and 4-beat. Each touch of the METRONOME button switches to the next rhythm and one more touch will turn off the metronome sound.



Beat is displayed in the LCD.

TEMPO of metronome

Hold down the METRONOME button for more than one second to enter the Tempo setting mode. While holding down the METRONOME button, press "VALUE +" or "VALUE -" button to change the tempo. The tempo range is 30 - 300 beats per minute.

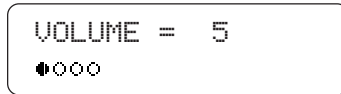


Tempo is displayed in number of beats per minute.

To leave the Tempo setting mode, let go of the METRONOME button and it automatically goes back to Beat setting mode.

VOLUME of metronome

Press the Metronome button and the VIRTUAL TECHNICIAN button at the same time to put the piano in Volume setting mode. Let go of the METRONOME button and VIRTUAL TECHNICIAN button and press “VALUE +” or “VALUE - ” button to change the volume. The volume changes in the range of 1 - 10.



The volume level is displayed.

If you press down the METRONOME button, it goes back to Beat setting mode. If you press the VIRTUAL TECHNICIAN button, the metronome function turns off and switches to VIRTUAL TECHNICIAN mode.

VIRTUAL TECHNICIAN

VIRTUAL TECHNICIAN



A piano technician is essential to an acoustic piano. He not only tunes the piano but also performs regulation and voicing adjustments to make the piano sound and play better. Virtual Technician simulates the work of a piano technician electronically and allows you to customize the Anytime piano to your personal taste.

These are the functions of Virtual Technician.

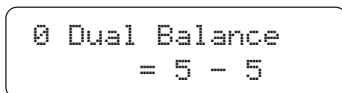
- | | | | |
|----|------------------|-----|--------------------|
| 0. | DUAL BALANCE | 6. | TEMPERAMENT |
| 1. | TUNING | 7. | KEY OF TEMPERAMENT |
| 2. | VOICING | 8. | STRETCH TUNING |
| 3. | DAMPER EFFECT | 9. | USER MEMORY |
| 4. | STRING RESONANCE | 10. | FACTORY RESET |
| 5. | TOUCH CURVE | | |

Press the VIRTUAL TECHNICIAN button to put the piano in setting mode. You can cancel VIRTUAL TECHNICIAN by pressing any button other than the REC, PLAY/STOP button. While holding down the VIRTUAL TECHNICIAN button, press the “VALUE +” or “VALUE - ” to change the function. The “VALUE +” button increases the value and the “VALUE - ” button decreases the value. After you have selected the value, release the VIRTUAL TECHNICIAN button.

0. DUAL BALANCE

With DUAL mode, you can layer two sounds together with Dual Balance, you can set the volume between the two sounds.

Hold down the VIRTUAL TECHNICIAN button and put the piano in Dual Balance mode.



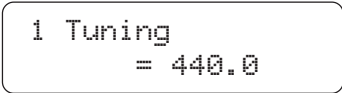
The LCD display shows the Dual Balance.

In the display, on the right side it shows the volume balance of the piano sound. On the second line's left side, it shows the volume balance of sounds other than piano. You can select the volume of the balance from 9 - 1 to 1 - 9 by pressing "VALUE +" or "VALUE -" button.

1. TUNING

To do this, hold down the VIRTUAL TECHNICIAN button and press the VALUE button a few times and set the piano in Tuning mode.

Let go of the VIRTUAL TECHNICIAN button and press the "VALUE +" or "VALUE -" button to change the pitch by 0.5Hz. You may change the pitch within the range of 427.0 - 453.0Hz. The default setting is 440.0Hz.



1 Tuning
= 440.0

The LCD display shows the setting.

If you have finished setting the pitch, press button other than REC, PLAY/STOP button to turn the setting mode off.

You can also select the tuning function by using the pedal and keyboard in "Setting Mode" (see Page 22).

2. VOICING

Voicing is a technique used by piano technicians to mold the character of a piano's sound. The Voicing functions lets you change the Anytime piano's tone quality by choosing one of four types of voicing.

To do this, hold down the VIRTUAL TECHNICIAN button and press the VALUE button a few times and set the piano in Voicing mode.



2 Voicing
= Normal

The LCD display shows the setting.

- | | |
|--------------------|--|
| Normal | Produces the normal timbre of an acoustic piano throughout the entire dynamic range. This is the preset value. |
| Bright 1, 2 | Produces a brighter tone throughout the entire dynamic range. Bright 2 is brighter than Bright 1. |
| Dynamic | The tone will change dramatically from mellow to bright according to your playing technique. |

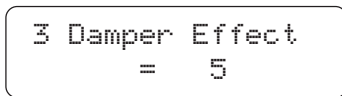
Mellow 1, 2 Produces a mellower tone throughout the entire dynamic range.
Mellow 2 is more mellow than Mellow 1.

Let go of the VIRTUAL TECHNICIAN button and press the “VALUE +” or “VALUE -” button to change the voicing. If you have finished setting, press any button other than the REC, PLAY/STOP button to turn the setting mode off. The default setting is Normal.

3. DAMPER EFFECT

When the sustain pedal is depressed on an acoustic piano, all the dampers are lifted up allowing the strings to vibrate freely. When you play a note or chord on the piano with the sustain pedal depressed not only will the strings for the notes you played vibrate but other strings will vibrate in sympathetic resonance. The Damper Effect function simulates this phenomenon. You can select the level of effect from off, 1 to 10. The default setting is 5.

To do this, hold down the VIRTUAL TECHNICIAN button and press VALUE button a few times to set the piano in Damper Effect mode.

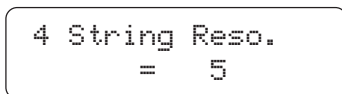
A rectangular LCD display showing the text "3 Damper Effect" on the top line and "= 5" on the bottom line.

The LCD display shows the setting.

Let go of the VIRTUAL TECHNICIAN button and press the “VALUE +” or “VALUE -” button to change the Damper Effect value. If you have finished setting the Damper Effect, press button other than REC, PLAY/STOP button to turn the setting mode off.

4. STRING RESONANCE

Even when the sustain pedal is not depressed on an acoustic piano, the strings for any notes you are holding will be un-damped and will resonate freely in sympathy with the strings of other notes that you play even if they are part of the same harmonic series. In addition, adjacent notes will also be resonated. The String Resonance function simulates this phenomenon. You can select the level of resonance from off, 1 to 10. The default setting is 5. String Resonance is not active when the damper pedal is depressed.

A rectangular LCD display showing the text "4 String Reso." on the top line and "= 5" on the bottom line.

The LCD display shows the setting.

To do this, hold down the VIRTUAL TECHNICIAN button and press the VALUE button few times setting the piano in String Resonance mode.

Let go of the VIRTUAL TECHNICIAN button and press the “VALUE +” or

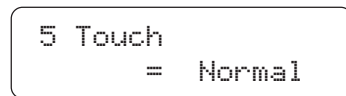
“VALUE - ” button to change the value. If you have finished setting, press any other than the REC, PLAY/STOP button to turn the setting mode off.

5. TOUCH CURVE

Touch lets you select different touch sensitivity for the keyboard from the standard touch of an acoustic piano. You can change the sensitivity to one of six different settings: LIGHT, LIGHT+, NORMAL, HEAVY, HEAVY+, OFF.

Heavy+	Requires more striking force to achieve a loud volume.
Heavy	Perfect for those with strong fingers. Requires a heavier touch to produce a loud volume.
Normal	Produces the normal touch curve of an acoustic piano throughout the entire dynamic range. This is the preset value.
Light	For those still developing finger strength. A louder volume is produced even when playing with a soft touch.
Light+	For players with a delicate touch. Requires less striking force in order to achieve a forte note.
Off	A constant volume is produced regardless of how hard the keys are struck. This setting is suitable for sounds that have a fixed dynamic range such as Organ and Harpsichord.

To do this, hold down the VIRTUAL TECHNICIAN button and press the VALUE button a few times setting the piano in Touch Curve mode.



The LCD display shows the setting.

Let go of the VIRTUAL TECHNICIAN button and press the “VALUE +” or “VALUE - ” button to change the value. If you have finished setting the touch curve, press any other than the REC, PLAY/STOP button to turn the setting mode off.

Touch selection is global for all the preset tones. You cannot have an individual setting for each one.

◆ NOTE

LIGHT and HEAVY do not represent the physical weight of the keys. These are settings that affect the sensitivity of the keys, which determines the volume level in response to the key movement.

6. TEMPERAMENT

The Anytime piano offers not only equal temperament (the modern standard) but also immediate access to temperaments popular during the Renaissance and Baroque periods. It should be interesting and educational to try some of the different temperaments, although the equal temperament is dominant today.

BRIEF EXPLANATION OF TEMPERAMENTS

EQUAL TEMPERAMENT (PIANO ONLY)

This is the default temperament. If a piano sound is selected, the tuning is stretched like an acoustic piano (EQUAL TEMPERAMENT). If any other type of sound is selected the tuning will be EQUAL (FLAT). An explanation of EQUAL TEMPERAMENT and EQUAL TEMPERAMENT (FLAT) is provided later in this section.

If a piano sound is used in a layer with any other sound then both sound will use the EQUAL TEMPERAMENT (Stretched) tuning.

MERSENNE PURE TEMPERAMENT (MAJOR)

MERSENNE PURE TEMPERAMENT (MINOR)

This temperament, which eliminates dissonances for thirds and fifths, is still popular for choral music because of its perfect harmony. You need to be aware what key you are playing in with this temperament. Any key modulation will result in dissonances. When you play music in a particular key, you need to match the key of the temperament as well. When playing in a major key select Pure (Major) and when playing in a minor key select Pure (Minor).

MEANTONE TEMPERAMENT

This temperament, which uses a mean between a major and minor whole tone to eliminate dissonance for thirds, was devised to eliminate the lack of consonance's experienced with certain fifths for the Mersenne pure temperament. It produces chords that are more beautiful than those with the equal temperament.

WERCKMEISTER III TEMPERAMENT

KIRNBERGER III TEMPERAMENT

These two temperaments are placed in between Mean tone and Pythagorean. For music with few accidentals, this temperament produces the beautiful chords of the mean tone, but as accidentals increase, the temperament produces the characteristic melodies of the Pythagorean temperament. It is used primarily for classical music written in the Baroque era to revive the original characteristics.

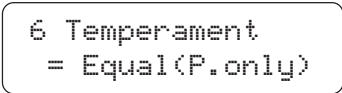
EQUAL TEMPERAMENT (FLAT)

This is “un-stretched” equal temperament that divides the scale into twelve equal semitones. This produces the same chordal intervals in all twelve keys, and has the advantage of limitless modulation of the key. However the tonality of each key becomes less characteristic and no chord is in pure consonance.

EQUAL TEMPERAMENT

This is the most popular piano temperament. The hearing ability of a human is uneven and is not as accurate with high frequency and low frequency as it is with the middle range. This temperament’s tuning is stretched to compensate for this so the sound will be heard naturally to the ears. This “Stretched” equal temperament is a practical variation of the “un-stretched” equal temperament, which was invented on a mathematical basis.

To do this, hold down the VIRTUAL TECHNICIAN button and press the VALUE button a few times setting the piano in Temperament mode.



6 Temperament
= Equal(P.only)

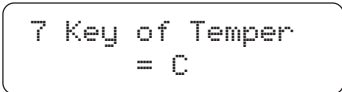
The LCD display shows the setting.

Let go of the VIRTUAL TECHNICIAN button and press the “VALUE +” or “VALUE -” button to change the temperament. If you have finished setting, press any other than the REC, PLAY/STOP button to turn the setting off.

7. KEY OF TEMPERAMENT

Limitless modulation of the key became available only after the invention of Equal temperament. When we use a temperament other than Equal temperament, we must carefully choose the key signature to play in. For example, if the song you are going to play is written in D major, choose “D” as the temperament key.

While holding down the VIRTUAL TECHNICIAN button, press the VALUE button a few times setting the piano in the key of temperament mode.



7 Key of Temper
= C

The LCD display shows the setting.

Let go of the VIRTUAL TECHNICIAN button and press the “VALUE +” or “VALUE -” and select the key between C - B. If you have finished setting the key of temperament, press any other than the REC, PLAY/STOP button to turn the setting mode off.

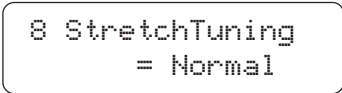
◆ NOTE

This function is not displayed when Equal temperament is selected.

8. STRETCH TUNING

This function determines the level of stretch tuning. You can select either Normal or Wide.

To do this, hold down the VIRTUAL TECHNICIAN button and press the VALUE button a few times setting the piano in Stretch Tuning mode.



8 StretchTuning
= Normal

The LCD display shows the setting.

Hold down the VIRTUAL TECHNICIAN button and press the “VALUE +” or “VALUE -” and select either Normal or Wide. If you select Wide, the lower part will sound even lower and higher part will sound even higher. If you have finished setting the Stretch Tuning, press any other than the REC, PLAY/STOP button to turn the setting mode off.

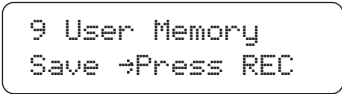
◆ NOTE

This function appears in the LCD screen only when you have selected Equal or Equal (Piano Only) temperament.

9. USER MEMORY

This function allows you to save the user-definable settings even when the power is turned off. Once written to the memory, the saved settings will be recalled every time you turn the power on. The following settings can be saved - Starting sound, all of the Virtual Technician functions, Transpose, Metronome settings (tempo, time signature, and volume).

To do this, hold down the VIRTUAL TECHNICIAN button and press the VALUE button several times and put the piano in User Memory mode.



9 User Memory
Save →Press REC

The LCD display shows the setting.

Press the RECORD button and you can confirm by seeing “save completed!!” in the LCD display. If you have finished setting the User Memory, press other than the REC, PLAY/STOP button to turn the setting mode off.

◆ NOTE

The “User Memory” function does not automatically save any changes made to the settings every time the power is turned off. You must use the User Memory function each time you want to save your current settings.

10. FACTORY RESET

This function resets the Anytime piano to the factory settings. All parameters you saved in “User Memory” will be reset to the factory-preset values.

To do this, hold down the VIRTUAL TECHNICIAN button and press the VALUE button several times and put the piano in Factory Reset mode.



10 Factory Reset
Reset →Press REC

The LCD display shows the setting.

Press the RECORD button to set Factory Reset and turn the setting mode off.

◆ NOTE

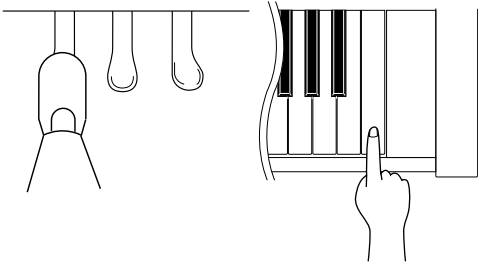
This function will not be displayed in the function menu until you save your settings in User Memory.

SETTING MODE

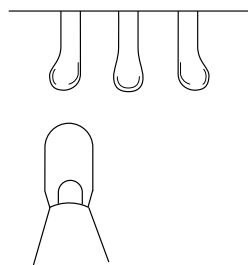
In “Setting Mode”, you can select a sound, reverb, resonance, tuning or transpose type by using Anytime’s pedal and keyboard.

- a. Hold down the left pedal and press the highest white key.
- b. Holding down the key, release your foot from the pedal.

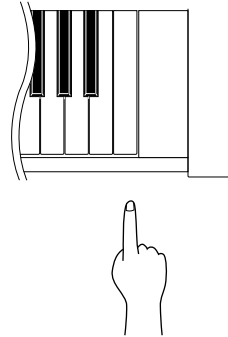
1)



2)



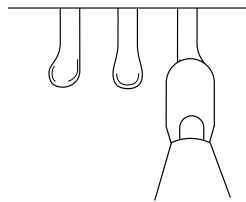
3)



- c. Release your finger from the key. This activates the Setting Mode.

To leave the setting mode, depress the right pedal.

4)



Selecting Sounds in “Setting Mode”

To select the sound you desire, press the corresponding white key after entering the setting mode. The assignment of the keys and sounds is shown in the following figure (see Figure 3).

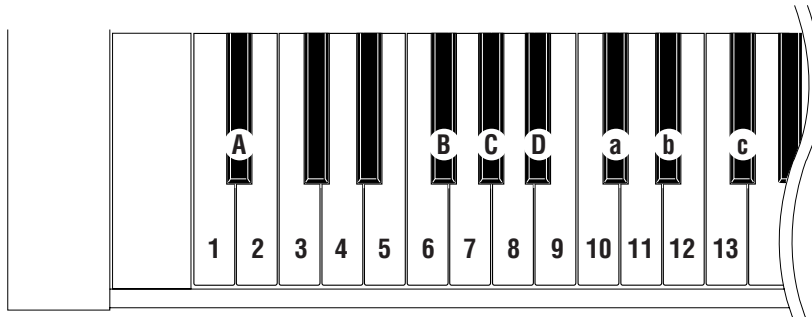


Fig. 3

1. Concert Grand	6. Classic E. Piano	11. Vibraphone
2. Concert Grand 2	7. Modern E. P.	12. Slow Strings
3. Mellow Grand	8. Jazz Organ	13. Choir
4. Mellow Grand 2	9. Church Organ	
5. Modern Piano		

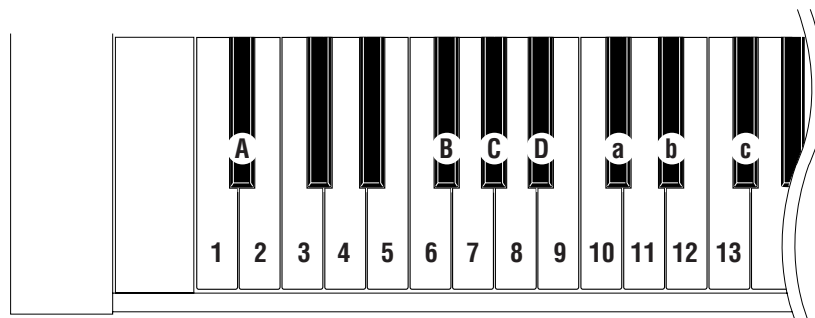
After you finish selecting a sound, depress the right pedal to exit the setting mode.

Selecting Reverb and Damper Effect in “Setting Mode”

To select reverb and damper effect, press the black key corresponding to the reverb or effect type that you desire after entering the setting mode. The key assignment is as follows:

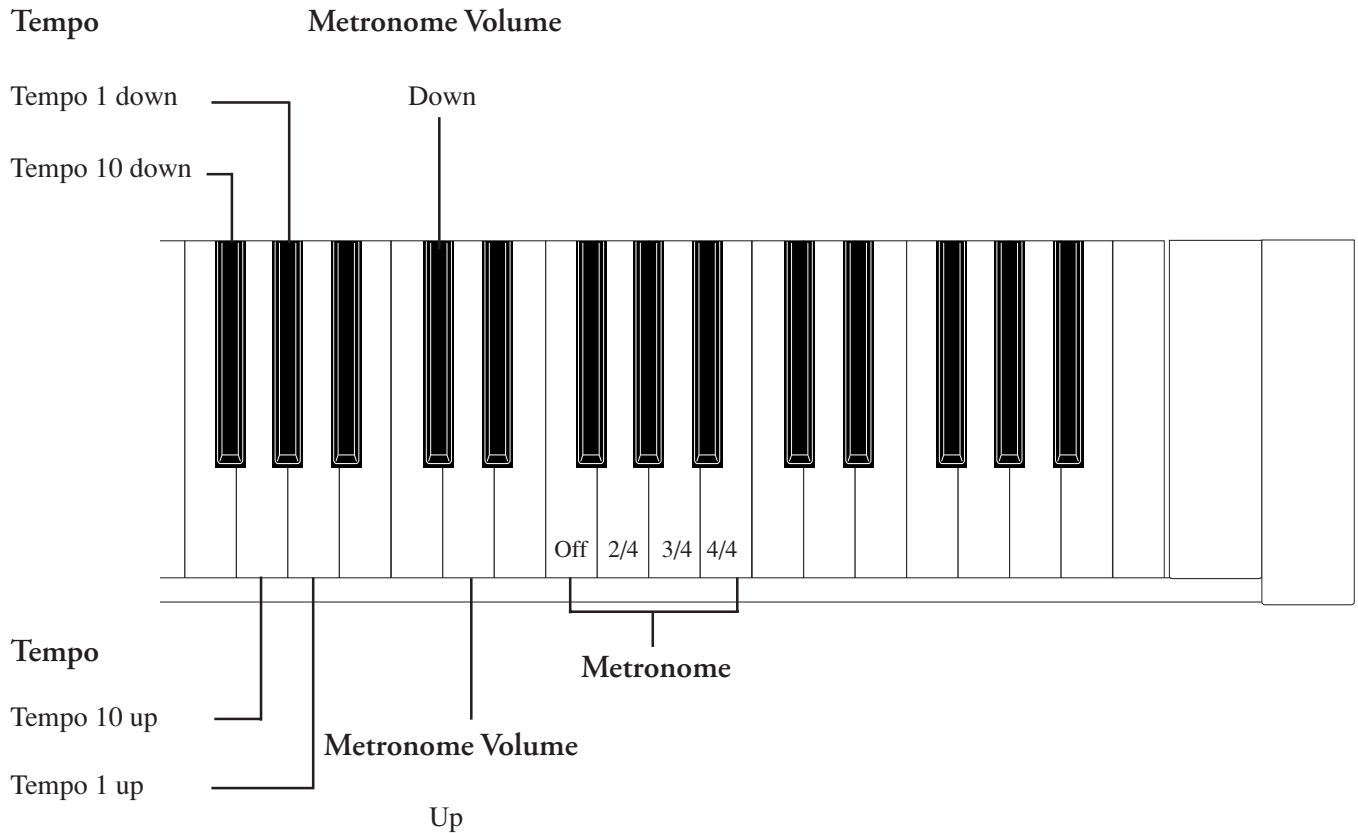
Reverb Type	
A. No Reverb	B. Room
C. Stage	D. Hall

Damper Effect Type		
a. Off	b. Medium	c. Strong



After finishing adjusting reverb and damper effect type, depress the right pedal to exit the setting mode.

Selecting Metronome in "Setting Mode"



Starting the Metronome

To activate the metronome, you must enter the "setting mode" (see Page 22). The assignment of keys and types are shown in the figure above.

Changing the Tempo

You can increase the tempo, in increments of 10 beats per minute, by pressing the G key and, in 1 BPM increments, by pressing the A key.

To decrease the tempo, in increments of 10 beats per minute, press the F# key and, in 1 BPM increments, press the G# key.

The tempo changes within the range of 30 - 300 beats per minute.

Adjusting the Metronome Volume

To adjust the metronome volume, press the C# key to decrease the volume and the D key to increase the volume.

USING THE ANYTIME PIANO WITH YOUR HOME AUDIO SYSTEM

The Kawai Anytime Piano is equipped with Audio In and Out jacks so that you can connect it to your home stereo, CD player, Karaoke machine or other device. As an example, you might play your favorite compact disc song and practice along on the Anytime Piano. Or you can “layer” together acoustic piano sound with the sound of a vibraphone coming out of external powered speakers that you connect to the unit. The following are examples of advanced uses for the Anytime Piano.

Connecting the Anytime Piano to an External Amplifier and Speakers

To hear the Anytime Piano’s digital sound through external loudspeakers, connect your home stereo unit or amplifier and speakers to the Anytime Piano as shown (see Fig. 4). You’ll need an audio cable with RCA pin plug at one end and plug appropriate for your equipment at the other. Note that the Anytime Piano will only produce amplified sound when it is connected to an amplifier. Speakers alone will not produce amplified sound (unless they are powered speakers).

In Normal Mode with amplified speakers connected, you’ll hear both acoustic sound and digital sound layered together. In this situation, you may notice that the two types of sound are not in tune with each other. This is because the Anytime Piano’s normal acoustic sound can change over time (due to weather changes and the normal need for professional tuning). To hear sound that is perfectly in tune, ask your piano tuner to match the Anytime Piano’s acoustic sound with its digital sound.

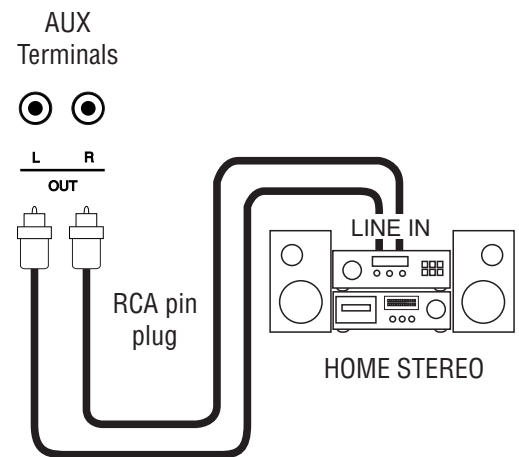


Fig. 4

You may be able to make a rough adjustment in layered tuning by yourself. The tuning function for the digital tone generator is described on page 15 of this manual.

Connecting the Anytime Piano to a Home Stereo or Receiver

Using headphones, the Anytime Piano allows you to listen to music played back on your stereo receiver, CD player or tape recorder along with digital sound of the Anytime Piano itself. You can play the digital piano sound along with your favorite CD. Connect your external device to the Anytime Piano's AUX IN jacks. This will allow you to hear the audio through the Anytime Piano's headphone jacks.

With amplified speakers connected to the AUX OUT jack of the Control Box, you can hear that same audio sound through speakers. Just connect your amplifier to the Anytime Piano's AUX OUT jacks using the appropriate audio cables.

Record Your Performance on a Cassette Tape / Mini Disc

You can also connect the Anytime Piano to an external tape recorder / Mini Disc recorder to record your performances. This is especially useful for a music student who wants to evaluate his/her playing. You could also make your own "demo" of a piano piece played along with your favorite CD.

To make a recording, connect the AUX OUT jacks on the Anytime Piano's Control Box to the "RECORD IN" jacks on your recorder using appropriate cables (see Fig. 5)

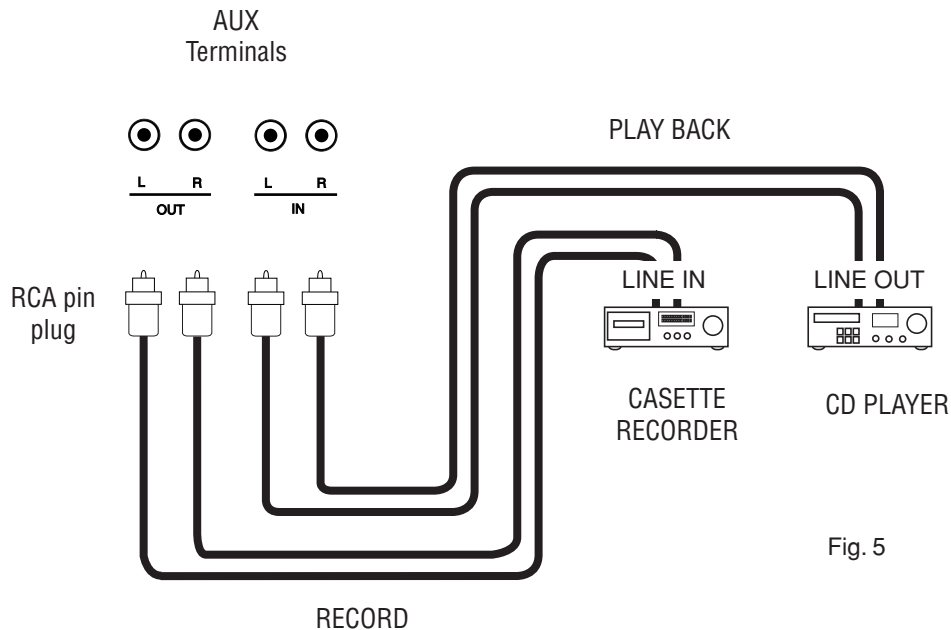


Fig. 5

USING MIDI

The term “MIDI” is an acronym which stands for the Musical Instrument Digital Interface. MIDI is an international standard used for sending data back and forth between electronic musical instruments such as digital pianos, synthesizers and sequencers. MIDI allows a performance on one musical instrument to be heard on several instruments. Further, the data from your performance can be sent to an external sequencer for editing, overdubbing, and later playback.

While MIDI capability is very common on digital instruments, it is quite rare on acoustic instruments. Because MIDI capability is built into the Anytime Piano, you can enjoy the varied and extremely powerful features that MIDI can provide.

MIDI Applications

The types of data that can be sent and received through MIDI will vary from one instrument to another. The Anytime Piano sends and receives the following MIDI functions:

- Send/receive keyboard note data (i.e. which keys are pressed)
- Send/receive velocity data (determines volume of each note)
- Send/receive sound change data (e.g. when you change from piano to vibes)
- Send/receive ON/OFF data for left pedal and damper pedal
- Receives Local Control ON/OFF data (When Local Control is “off”, no digital sound is heard when keys are pressed. Sound will only be heard when a MIDI signal is received. Local Control only affects digital sound.)

MIDI Connections

Musical instruments compatible with MIDI have connector terminals referred to as MIDI IN, MIDI OUT and MIDI THRU jacks (the Anytime Piano does not have MIDI THRU jack). MIDI cables (available at most local music stores) must be inserted into these jacks to establish a MIDI connection between instruments. Below is a description of MIDI jacks and functions:

MIDI OUT: Music data are converted into electrical signals and are sent out through this jack. To establish a connection with another MIDI-compatible instrument, the MIDI OUT jack should be connected to the MIDI IN jack of the other instrument using a standard MIDI cable. The “sending” instrument (with a MIDI cable inserted in the MIDI OUT jack) will control the sound of the receiving instrument (which has the MIDI cable inserted into the MIDI IN jack).

MIDI IN: This jack is an input for receiving data from other MIDI-compatible instruments. To establish a connection, the MIDI IN jack should be connected to the MIDI OUT or MIDI THRU jacks of other instruments.

MIDI THRU: Data received through the MIDI IN jack is routed “as is” from the MIDI IN jack to the MIDI THRU jack, allowing the data to be sent to another instrument. The MIDI THRU jack is often used to connect three or more MIDI-compatible instruments.

MIDI Channel

MIDI allows you to select a “channel” for any given set of data. Once MIDI data is “channelized”, it can be transmitted to (or received by) one specific instrument, even though many instruments are receiving the same data. Most MIDI instruments allow you to select one MIDI channel for transmitting data and another MIDI channel for receiving data. The MIDI Receive channel is used when an instrument receives data from another instrument. The MIDI Send channel is used for transmitting data to another instrument.

While the MIDI specification allows up to 16 MIDI channels for sending or receiving data (1 through 16), the Anytime Piano uses only Channel 1. When you are connecting other MIDI instruments to the Anytime Piano, make sure that those other instruments are set to send or receive data on MIDI channel 1.

MIDI Connection Examples

1. Connection to another MIDI-compatible keyboard or module

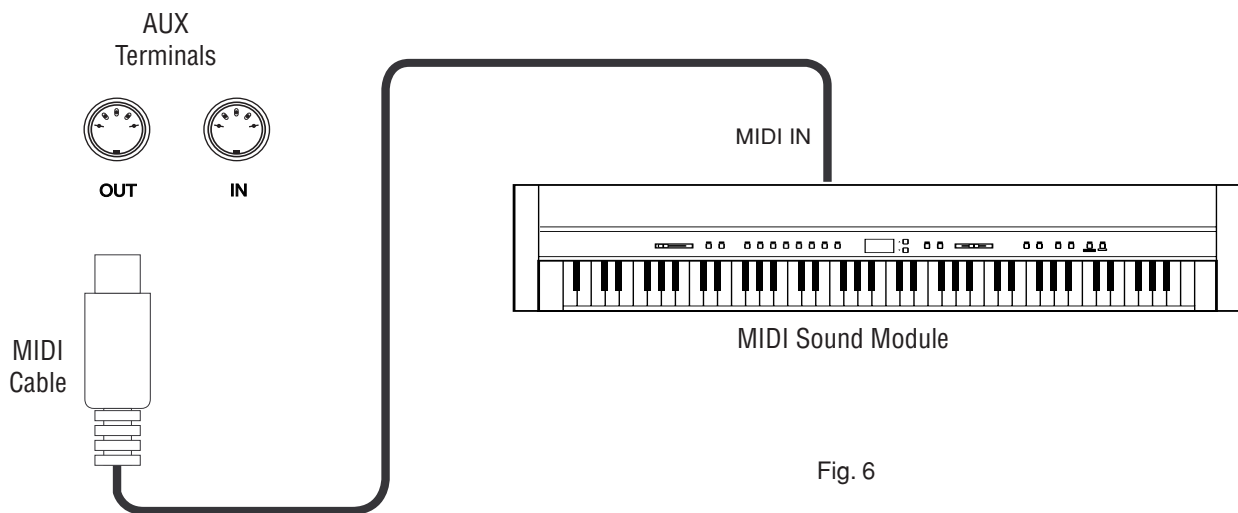


Fig. 6

When connected as shown in the illustration (see Fig. 6), MIDI data sent from the Anytime Piano (as notes are played) will also be played on the digital synthesizer. Also, by connecting the synthesizer’s LINE OUT jack to the AUX IN jack on the Anytime Piano, you can use headphones to hear the sound of the Anytime Piano “layered” over the sound of the synthesizer.

Since most synthesizers allow you to select from a wide array of sounds, you have a tremendous range of possibilities for “layered combinations”. You can hear the Anytime Piano’s PIANO tone layered with a STRING tone from the synthesizer. You can combine the BASS tone from a synthesizer with the Anytime Piano’s VIBRAPHONE sound.

You can also layer the sound module’s tones such as piano, harpsichord and vibraphone, using sound module’s MULTI TIMBRE function. With this combination of MIDI equipment, it is possible to create very complex musical arrangements.

When connected as shown in the previous illustration, you can layer sounds shown in example, as well as split the keyboard into separate sections with a different tone in each section (see Fig. 7).

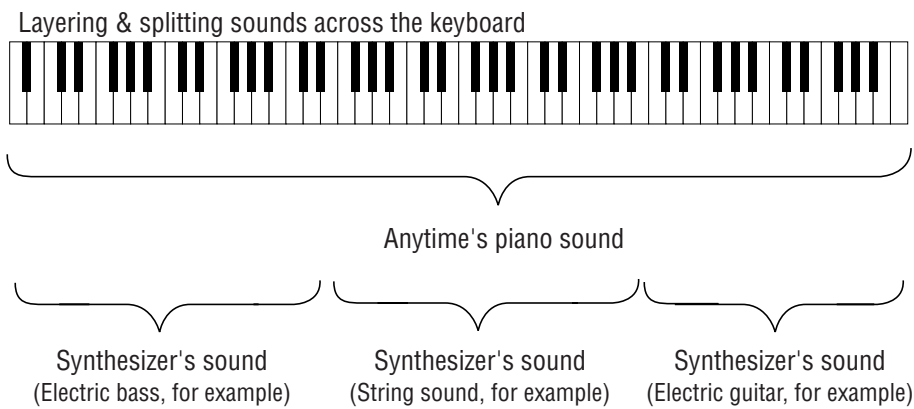


Fig. 7

2. Connection to a sequencer and sound generator module

When connected as shown in the illustration (see Fig. 8), you can record songs played on the Anytime Piano with a sequencer, and play them back as many times as you like through the Anytime Piano’s tone generator. This is very useful feature for evaluating your own playing.

For more details on operation of the synthesizer, sound module and sequencer, refer to the Owner’s Manual for instruments. There are many instructional books on the subject of MIDI available from a variety of music publishers. Ask about these books at your local music store.

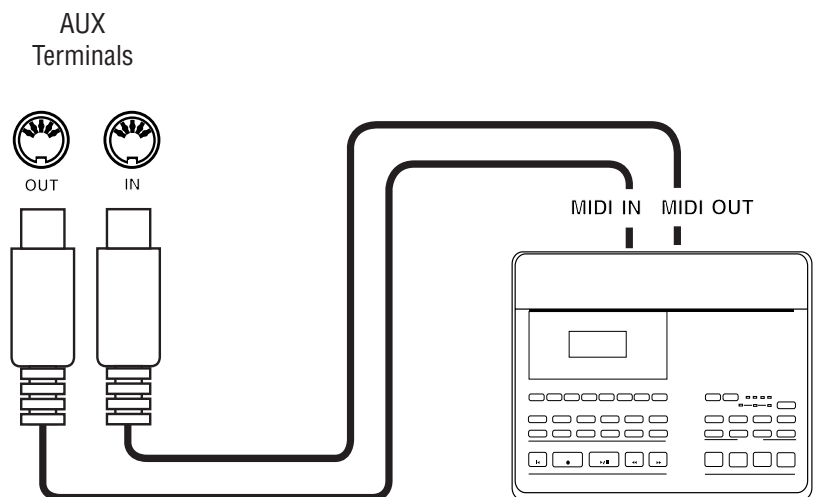


Fig. 8

Local Control On/Off

This function is used to control whether or not the sound from the Anytime Piano's digital sound will be heard when you play the keyboard. When Local Control is set to "ON" you will hear the Anytime Piano's digital sound when you play. When Local Control is set to "OFF" you will not hear the Anytime Piano's digital sound when you play, but the Anytime Piano's keyboard data will be transmitted through the MIDI jacks to an external MIDI device.

Local Control is set to ON in the initial setting. To switch Local Control to OFF, turn power off. Then, press and hold the lowest two white keys and one black key (see Fig. 9) and turn the power on. Local Control setting of the Anytime Piano will be switched to OFF. To return to Local Control ON, turn the power off and on again without pressing any key.

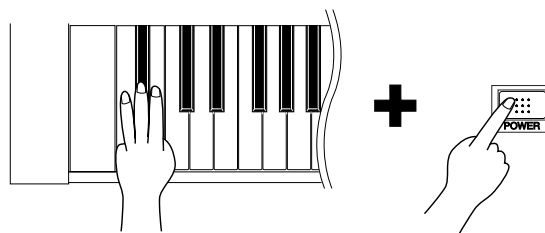
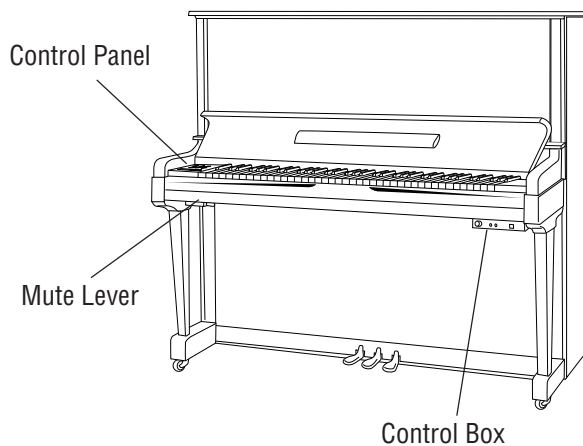


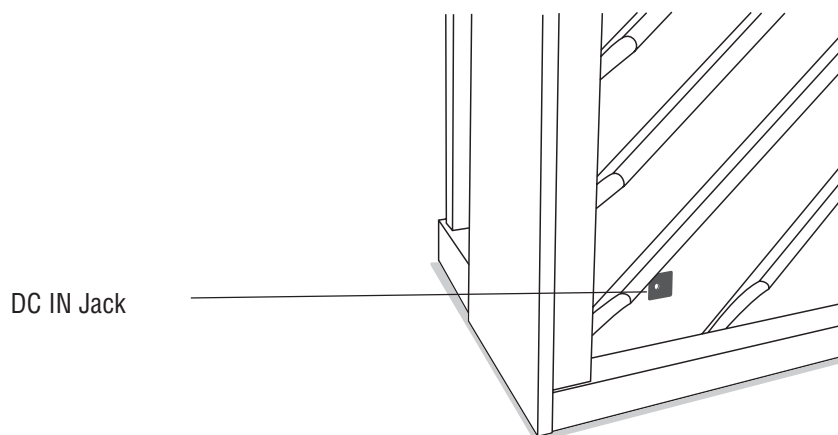
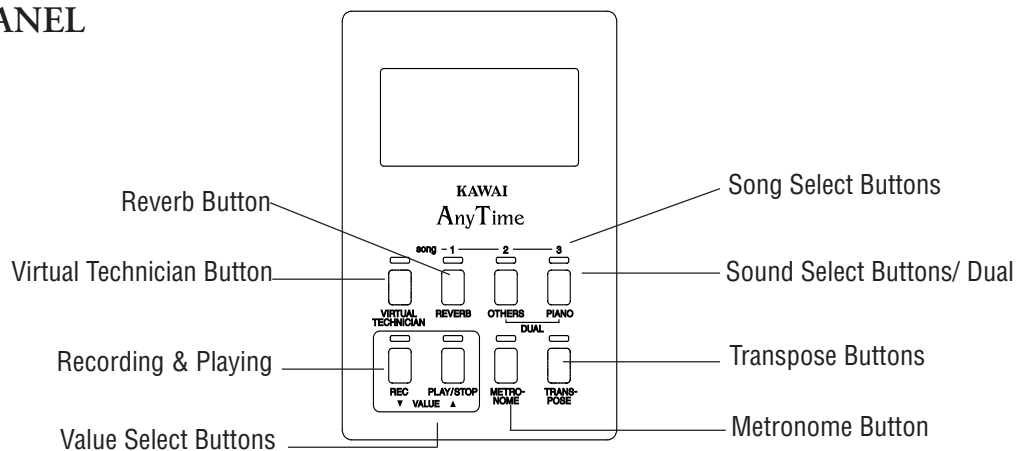
Fig 9

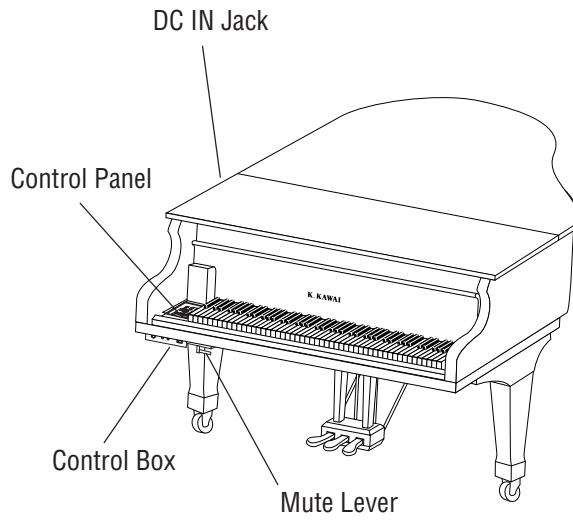
GENERAL INFORMATION

1. Parts and Names

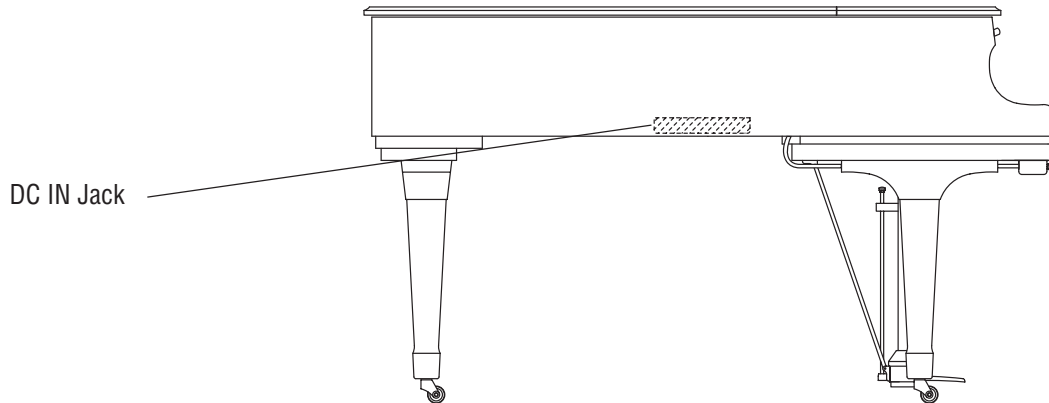
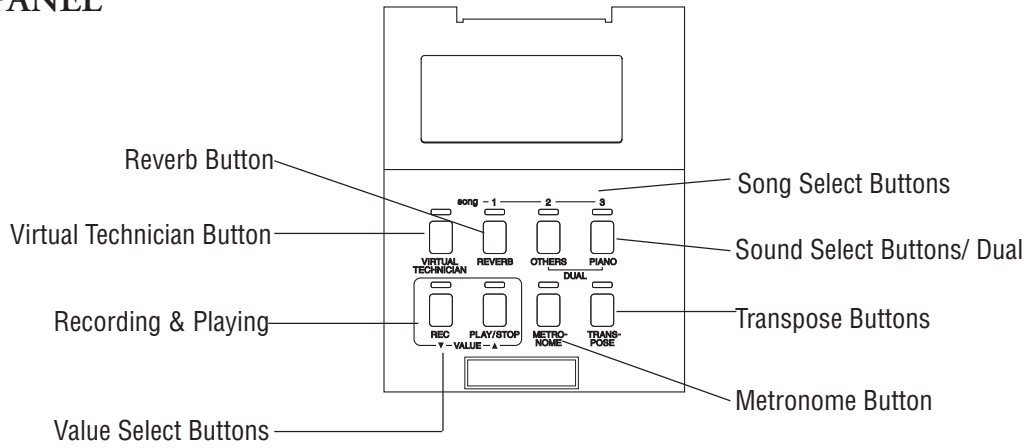


CONTROL PANEL

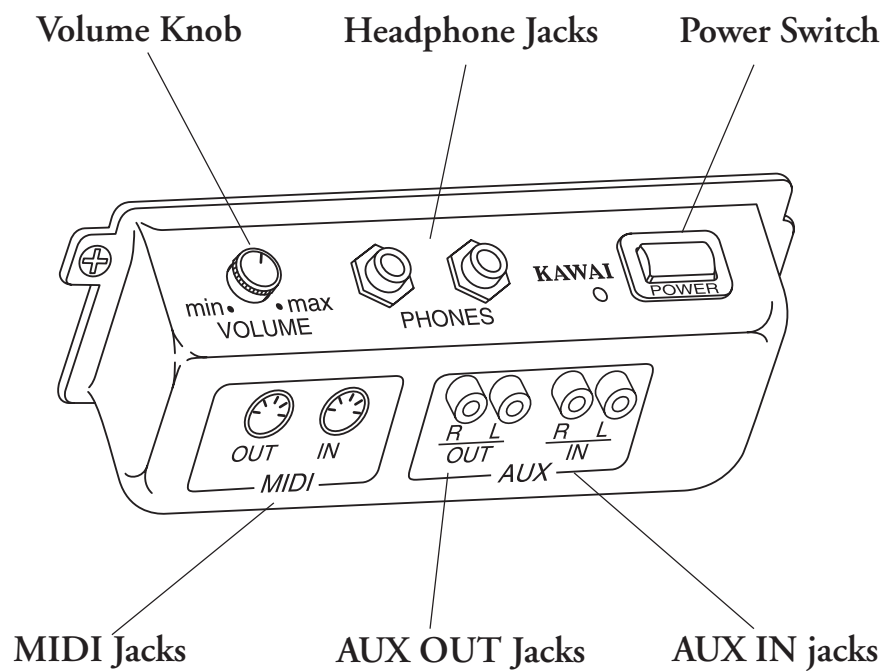




CONTROL PANEL



CONTROL BOX



2. Digital Specifications

Number of polyphony	Max. 96 notes
Number of sounds	20 10 Piano Sounds (Concert Grand, Concert Grand 2, Studio Grand, Studio Grand 2, Mellow Grand, Mellow Grand 2, Modern Piano, Rock Piano, Classic E. Piano, Modern E. P.) 10 Other Sounds (Jazz Organ, Drawbar Organ, Church Organ, Diapason, Harpsichord, Harpsichord Oct, Vibraphone, Slow String, Choir, New Age Pad)
Reverb	Room 1, Room 2, Stage, Hall 1, Hall 2
Damper Effect	Off, Medium, Strong
Recorder	Approximately 15,000 notes
Other Functions	Metronome, Virtual Technician
Pedal	Vertical piano: 2 (Sustain, Soft) Grand piano: 3 (Sustain, Sostenuto, Soft)
Jacks	Headphones x 2, AUX OUT (L, R), AUX IN (L, R), MIDI IN/OUT
Display	16 digits x 2 LCD
Power	AC Adaptor, DC 12V, 1.5 A (0.2 A for type H)
Accessories	Headphones (1), AC power adaptor (1), Owner's Manual

Specifications are subject to change without notice.

3. MIDI Implementation Chart

Date : Jan 2005

Version : 1.0

Model: Kawai Anytime Piano "K-25EA ATII / K-50E ATII / RX-1 ATII / RX-2 ATII / GE-20 ATII / GE-30 ATII

FUNCTION		TRANSMITTED	RECOGNIZED	REMARKS
Basic Channel	Default Changes	1 ×	1 ×	
Mode	Default Messages Altered	3 × * * * * *	1 1, 3 ×	
Note Number	True voice	21 - 108 * * * * *	0 - 127 15 - 113	
Velocity	Note ON Note OFF	○ 9nH v=1 -127 × 9nH v=0	○ ×	
After Touch	Key Channel	× ×	× ×	
Pitch Bend		×	×	
Control Change	7 64 66* 67	× ○ (Right pedal) ○ (Center pedal) ○ (Left pedal)	○ ○ ○ ○	Volume Damper pedal Sostenuto pedal Soft pedal *Grand piano only
Program Change	: True #	× * * * * *	○ 0 - 19	
System Exclusive		○	○	
Common	: Song Position : Song Select : Tune	× × ×	× × ×	
System Real Time	: Clock : Commands	× ×	× ×	
Auxiliary	: Local ON/OFF : All Notes OFF : Active Sense : Reset	× × ○ ×	○ ○ ○ ×	
Notes				

Mode 1 : OMNI ON, POLY
Mode 3 : OMNI OFF, POLY

Mode 2 : OMNI ON, MONO
Mode 4 : OMNI OFF, MONO

○ : YES
× : NO

KAWAI

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