

KAWAI

DIGITAL PIANO

CA18

Owner's Manual

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GETTING STARTED
2

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THANK YOU FOR PURCHASING A KAWAI DIGITAL PIANO!

This CA18 digital piano combines the latest in electronic advances with traditional craftsmanship inherited from KAWAI's many years of experience building fine acoustic pianos. Its AWA Grand PRO II wooden key action provides the touch response and full dynamic range required for a superb performance of piano, harpsichord, organ, and other instruments, while the authentic piano tone has been created through the stereo-sampling of a concert grand piano, and is reproduced using KAWAI's unique Harmonic Imaging™ sound technology.

This owner's manual contains valuable information to help performers make full use of the instrument's capabilities. Please read all sections carefully and keep this manual handy for future reference.

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Important Safety Instructions

SAVE THESE INSTRUCTIONS

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



WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

AVIS : RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR.

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 object 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.

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



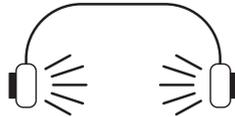
Doing so may cause electric shock.

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.



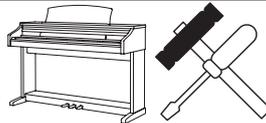
Doing so may result in hearing problems.

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.



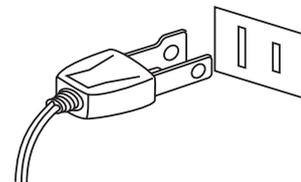
- Pulling the AC power cord itself may damage the cord, causing a fire, electric shock or short-circuit.

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 polarized line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.



It is a good practice to have the instrument near the AC outlet and the power cord plug in a position so that it can readily be disconnected in an emergency because electricity is always charging while the plug is in the AC outlet even in a power switch off condition.



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

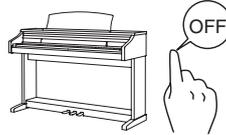
Using the product in such areas may result in product breakdown. Use the product only in moderate climates (not in tropical climates).

When you close the keyboard cover, close it gently.



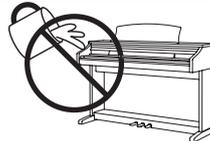
Closing it roughly may trap your fingers, resulting in injury.

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.



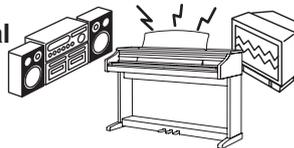
Entry of water, needles or hair pins may result in breakdown or short-circuit. The product shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the product.

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 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.



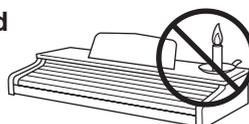
- Doing so may result in discoloration or deformation of the product.
- When cleaning the product, put a soft cloth in lukewarm water, squeeze it well, then wipe the product.

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.

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.

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.

CAUTION:

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION:

Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

Instruction for AC power cord (U.K.)

Do not plug either terminal of the power cord to the ground of the 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.

Canadian Radio Interference Regulations

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



An information on Disposal for users

If your product is marked with this recycling symbol it means that, at the end of its life, you must dispose of it separately by taking it to an appropriate collection point. You should not mix it with general household waste. Disposing of this product correctly will prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

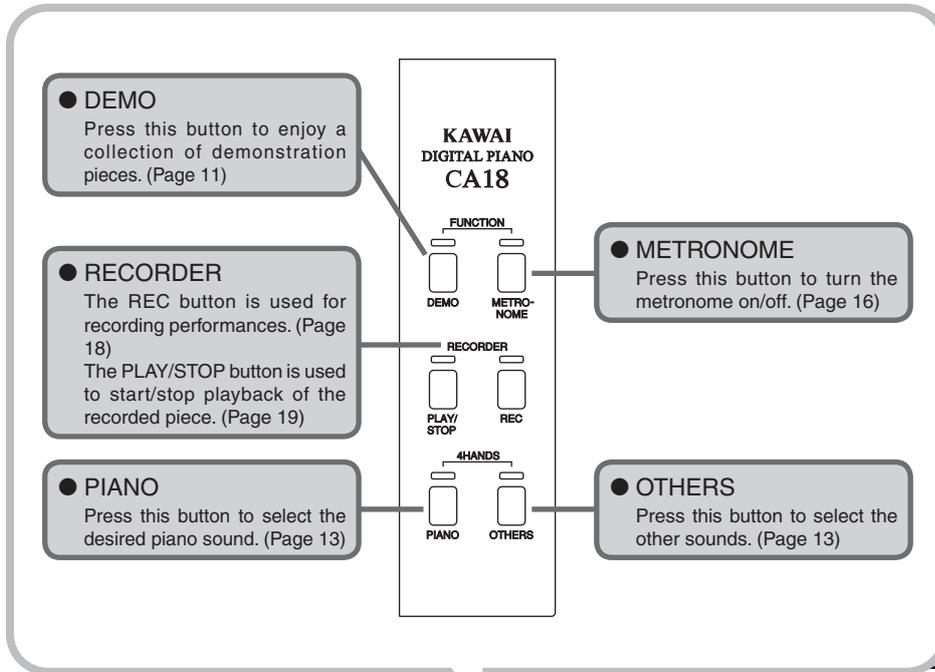
For further details, please contact your local authority.
(European Union only)

1. PART NAMES AND FUNCTIONS

This section explains the locations and functions of the panel sliders and buttons.

◇ CONTROL PANEL

1
PART NAMES
AND FUNCTIONS



String Ensemble	1/4	Classic E.Piano	Church Organ	2/4	Harpisichord	3/4	4/4	5/4	3/8	6/8	Vol-	Vol+	Touch	Tuning	Reverb	Damper/Flut	Metronome
Concert Grand	ON / +	Concert Grand 2	Studio Grand	1	Modern Piano	2	3	4	5	6	0						

Function Label

◇ USING THE ENCLOSED FUNCTION LABEL

A 'function label' is included with the CA18 digital piano. Placing this label at the back of the keyboard will prove useful when selecting different sounds or changing values, such as the metronome time signature. Position the function label so that the left end, marked 'String Ensemble / Concert Grand' is aligned with the lowest key.

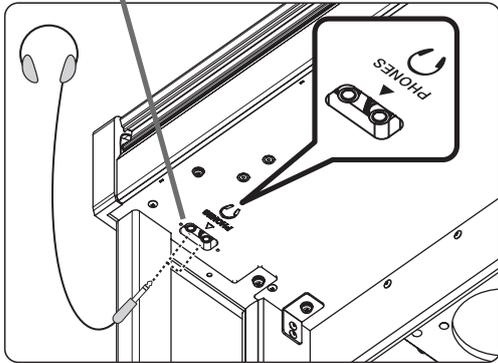
The underside of the function label is sticky, allowing this information to be attached to the CA18 digital piano for greater convenience.

String Ensemble	1/4	Classic E.Piano	Church Organ	2/4	Harpisichord	3/4	4/4	5/4	3/8
Concert Grand	ON / +	Concert Grand 2	Studio Grand	1	Modern Piano	2	3	4	5
OFF / -									

6/8	Vol-	Vol+	Touch	Tuning	Reverb	Damper/Flut	Metronome
8	9	0					

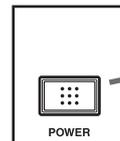
● HEADPHONE JACKS

There are two headphone jacks located on the left underside of the piano, allowing up to two pairs of headphones to be connected simultaneously.



● POWER

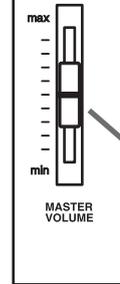
Press this button to turn the power on/off. Be sure to turn off the instrument after playing.



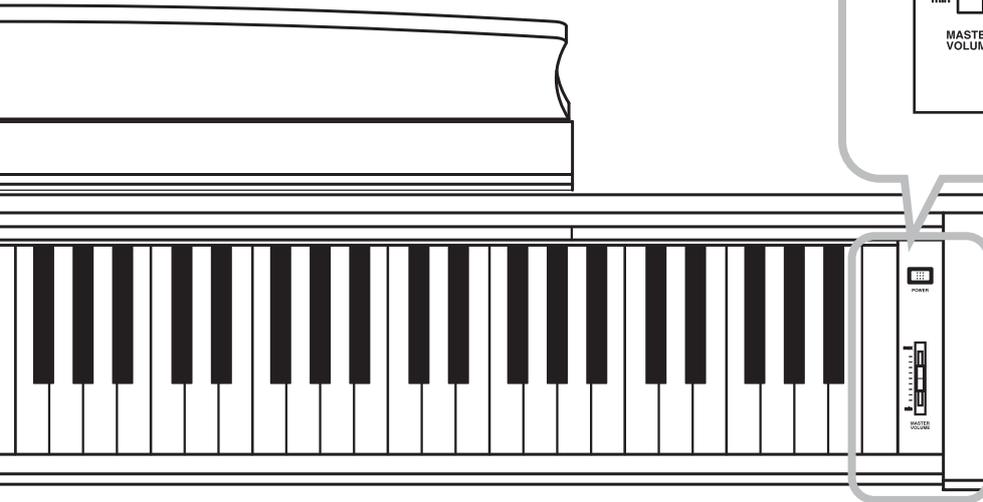
POWER

● MASTER VOLUME

This slider controls the master volume level of the built-in speakers and headphones. Move the volume slider upward to increase the instrument's volume, and downward to decrease the volume.

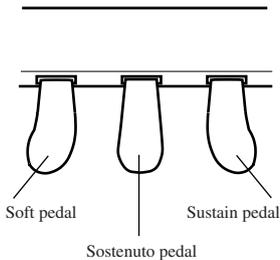


MASTER VOLUME



◇ PEDALS

The CA18 digital piano has three pedals—just like a grand piano. They are Sustain, Sostenuto and Soft.



◆ Sustain pedal

Sustains the sound after hands are lifted from the keyboard. The sustain pedal is also capable of responding to half pedalling.

◆ Sostenuto pedal

Depressing this pedal after playing the keyboard and before releasing the keys sustains 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.

◆ Soft pedal

Depressing this pedal softens the sound and reduces its volume.

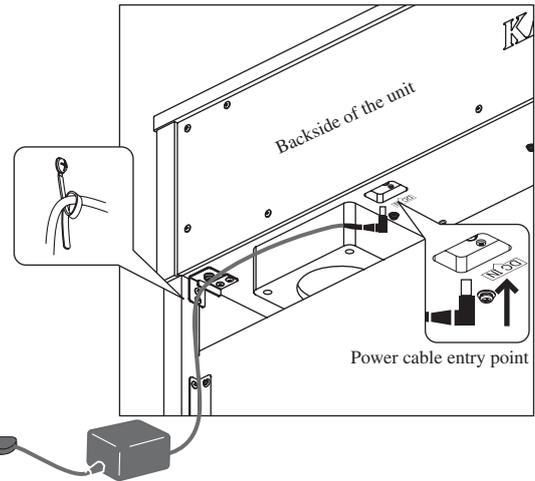
2. GETTING STARTED

1) BASIC OPERATION

This section provides the basic procedures for connecting the CA18 digital piano, turning on the power, and playing the instrument.

□ Step 1

Connect one end of the AC power cable to the CA18 digital piano's power jack and the other end of the cable to a wall AC outlet.



□ Step 2

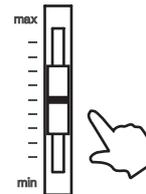
Press the POWER button to turn the power on.



□ Step 3

Adjust the volume level using the MASTER VOLUME slider.

The MASTER VOLUME slider controls the volume level of the speakers and connected headphones. Set the volume to a comfortable listening level - the middle is often a good starting point.

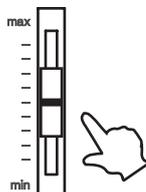
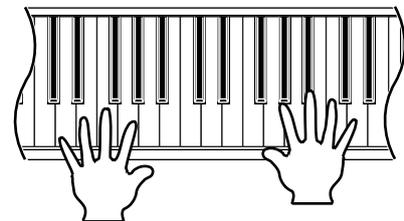


□ Step 4

Play the piano.

When power is turned on, the LED indicator for the PIANO button will turn on and the Concert Grand sound will be selected automatically.

Different sounds can be selected by following the procedures described in 'SELECTING A SOUND'. (Page 13)



■ The CA18 digital piano is capable of playing up to 96 notes simultaneously (96-note polyphony).

◇ DEMONSTRATION SONGS

The CA18 digital piano includes 37 built-in demonstration songs for your listening pleasure. Each internal sound is introduced by a different piece of music, as shown below.

- Concert GrandGolliwogg's cake-walk / Debussy
- Concert Grand 2Valse Petit Chien / Chopin
- Studio GrandKAWAI original
- Modern PianoKAWAI original
- String EnsembleLe quattoro stagioni 'La Primavera' / Vivaldi
- Classic E.PianoKAWAI original
- Church OrganToccata / Eugene Gigout
- HarpsichordFrench Suite No.6 / Bach

KAWAI regret that sheet music for KAWAI original demo songs is not available.

In addition, there are a further 29 pieces of music from the included Classical Piano Collection book.

Song Name	Composer
Tambourin	J.P.Pameau
The Harmonious Blacksmith	G.F.Handel
Menuett BWV.Anh.114	J.S.Bach
Menuett BWV.Anh.115	J.S.Bach
Menuett BWV.Anh.116	J.S.Bach
Le Coucou	L.C.Daquin
Gavotte	F.J.Gossec
Menuett	L.Boccherini
Thema und Variationen	W.A.Mozart
Turkischer Marsch	W.A.Mozart
Menuet	W.A.Mozart
Sonate fur Klavier No.14 "Mondschein"	L.v.Beethoven
Sonate fur Klavier No.8 "Pathetique"	L.v.Beethoven
Fur Elise	L.v.Beethoven
Rondo Favori	J.N.Hummel
Impromptu op.90-4	F.P.Schubert
Moments Musicaux op.94-3	F.P.Schubert
Entr'acte	F.P.Schubert
Impromptu op.142-3	F.P.Schubert
Auf Flugeln des Gesanges	F.Mendelssohn
Fruhlingslied	F.Mendelssohn
Rondo Capriccioso	F.Mendelssohn
Chanson de l' adieu	F.F.Chopin
Raindrop	F.F.Chopin
Petit Chien	F.F.Chopin
Nocturne No.2	F.F.Chopin
Fantaisie-Impromptu	F.F.Chopin
Polonaise No.3 "Militaire"	F.F.Chopin
Polonaise No.6 "Herolque"	F.F.Chopin

- Step 1
Press the DEMO button.

The demonstration song for the Concert Grand sound will start to play.
When the Concert Grand demo song has finished, another demo song will be selected at random. This process will continue until all of the demo songs have been played.



- Step 2
To listen to a specific instrument sound demo, or to play a specific piece from the Classical Piano Collection, press and hold the PIANO or OTHERS button, then press the white key assigned to the desired song.



Hold down the button.

Diagram of a piano keyboard with the following pieces and instruments listed below the keys:

- Concert Grand
- Concert Grand 2
- Studio Grand
- Modern Piano
- Tambourin
- The harmonious blacksmith
- Mennet BWV/Anh.114
- Mennet BWV/Anh.115
- Mennet BWV/Anh.116
- Le Caouen
- Gavotte
- Mennet/L. Boccherini
- Thema und
- Turkscher Marsch
- Mennet/W.A. Mozart
- Sonate für Klavier No.14 "Mondschein"
- Fur Elise
- Rondo favori
- Impromptu op. 90-4
- Moments musicaux op. 94-3
- Enf' acte
- Impromptu op. 142-3
- Auf Fluegel des Gesanges
- Frühlingslied
- Rondo Capriccioso
- Chanson de l' adieu
- Raindrop
- Petit chien
- Nocturne No.2
- Fantaisie-Impromptu
- Polonaise No.3 "Militaire"
- Polonaise No.6 "Herolique"



Press a white key.



Hold down the button.

Diagram of a piano keyboard with the following instruments listed below the keys:

- String Ensemble
- Classic E. Piano
- Church Organ
- Harpischord



Press a white key.

- Step 3
To stop the demo, press the DEMO button once again.



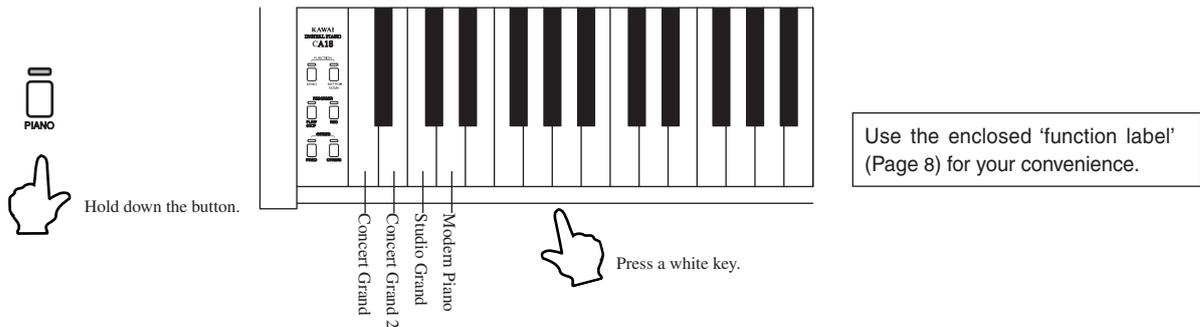
◇ SELECTING A SOUND

When the power is turned on, the Concert Grand sound will be selected automatically.
There are 8 sound types and three methods to select different sounds.

◆ Method 1

□ Selecting Piano sounds

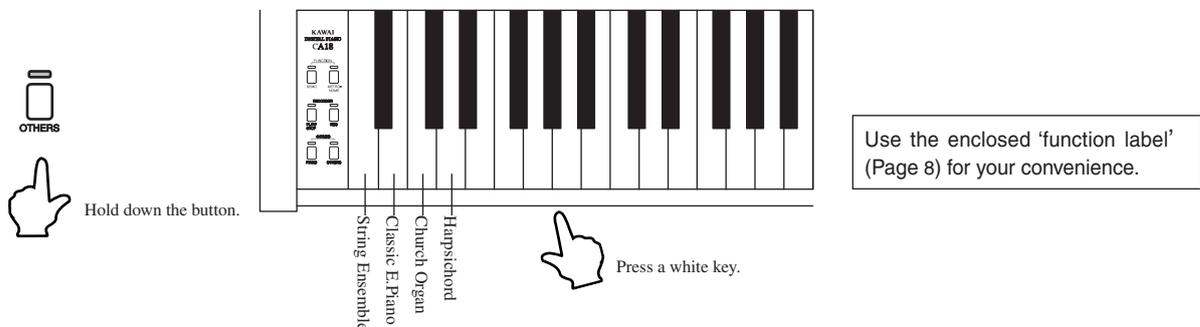
Press and hold the PIANO button, then press one of the lowest 4 white keys to select the desired piano sound.



- The LED indicator for the PIANO button will turn on when Concert Grand is selected. When a piano sound other than Concert Grand is selected, the LED indicator for the PIANO button will start to flash.

□ Selecting Other sounds

Press and hold the OTHERS button, then press one of the lowest 4 white keys to select the desired sound.



- The LED indicator for the OTHERS button will turn on when String Ensemble is selected. When a sound other than String Ensemble is selected, the LED indicator for the OTHERS button will start to flash.

◆ Method 2

□ Selecting Piano sounds

Press the PIANO button repeatedly to cycle through the 4 sounds until the desired piano sound is selected.

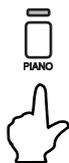
Power-on		Concert Grand (indicator ON)
When pressed once		Concert Grand 2 (indicator flashes)
⋮	⋮	⋮
When pressed twice		Studio Grand (indicator flashes)
⋮	⋮	⋮
When pressed 3 times		Modern Piano (indicator flashes)

□ Selecting Other sounds

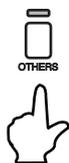
Press the OTHERS button repeatedly to cycle through the 4 non-piano sounds until the desired sound is selected.

		
When pressed once		String Ensemble (indicator ON)
⋮	⋮	⋮
When pressed twice		Classic E.Piano (indicator flashes)
⋮	⋮	⋮
When pressed 3 times		Church Organ (indicator flashes)
⋮	⋮	⋮
When pressed 4 times		Harpichord (indicator flashes)

◆ Method 3



Press and hold the PIANO button for more than one second to return to the Concert Grand sound.
The LED indicator for the PIANO button will turn on once again.



Press and hold the OTHERS button for more than one second to return to the String Ensemble sound.
The LED indicator for the OTHERS button will turn on once again.

2) FOUR HANDS MODE

In Four Hands mode the CA18 digital piano keyboard is split into Lower and Upper sections, allowing two players to play the piano together. The sounds in the Upper section are transposed two octaves down from the original pitch, while sounds from the Lower section are transposed two octaves up from the original pitch, with both players playing in the same key range. The left (soft) pedal can also be used as a damper pedal for the player sitting on the left keys in the Lower section.

◇ ENTERING FOUR HANDS MODE

□ Step 1

Press and hold the PIANO button, then press the OTHERS button.

The piano Keyboard will be divided into Lower and Upper sections.

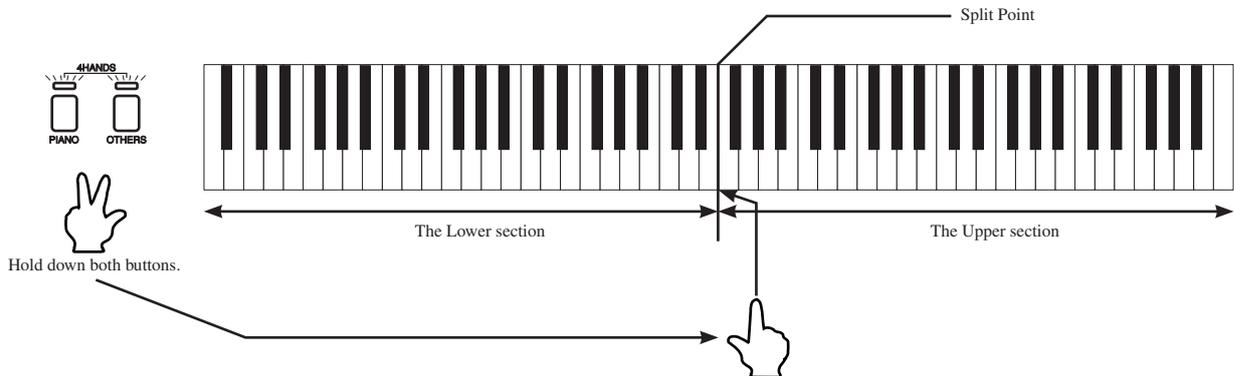


◇ CHANGING THE SPLIT POINT

□ Step 1

Press and hold the PIANO and OTHERS buttons, then press a key on the keyboard.

The pressed key becomes the lowermost note for the Upper section. The default SPLIT point is set between E3 and F3.



◇ EXITING FOUR HANDS MODE

□ Step 1

To exit Four Hands mode, press the PIANO and OTHER buttons again.



3) METRONOME

The CA18 digital piano's metronome tool helps learners to practice playing the piano at the correct tempo by providing a steady beat to play along with.

- Step 1**
Press the METRONOME button to start the metronome.
- Step 2**
Press the METRONOME button once again to stop the metronome.

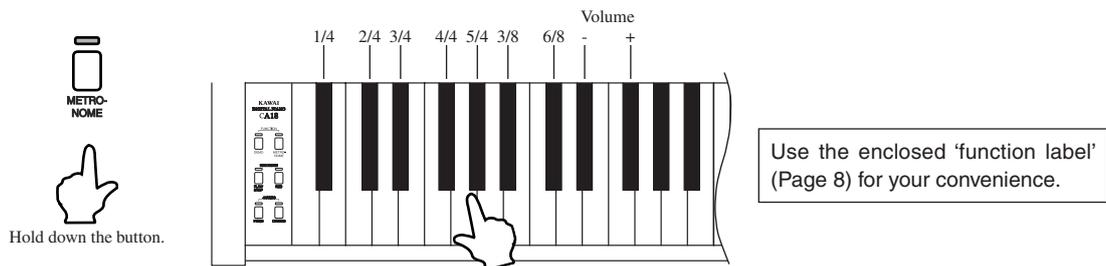
■ The metronome is set to a default beat of 1/4 and tempo of 120 each time the piano is turned on.

◇ CHANGING THE BEAT (TIME SIGNATURE)

The metronome beat (time signature) can be changed to one of seven different beats: 1/4, 2/4, 3/4, 4/4, 5/4, 3/8 and 6/8.

The volume level of the metronome can also be adjusted.

- Step 1**
Press and hold the METRONOME button, then select the desired beat (time signature) by pressing one of the lowermost black keys assigned to that beat.



- When the 1/4 beat is selected, only the click sound will be heard. The bell accent will not be heard.
- Press and hold the METRONOME button, then press the '-' and '+' to decrease or increase the volume of the metronome.

◇ ADJUSTING THE METRONOME TEMPO

The metronome has a tempo range of 10-300 beats per minute.

The metronome tempo can be specified precisely, or gradually decreased or increased.

□ Step 1

Press and hold the METRONOME button, then use the lower white keys to either enter the desired tempo in beats per minute (BPM), or gradually decrease or increase the tempo by pressing the '-' or '+' keys.

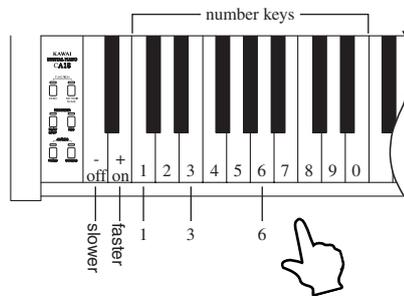
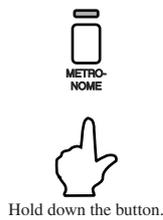
To set the metronome tempo, press and hold the METRONOME button, and input either a two-digit or three-digit tempo value.

The specified value will be set when the METRONOME button is released.

◆ Example: To set the metronome tempo to 136 beats per minute.

□ Method 1

Press and hold the METRONOME button, then press key 1, key 3 and key 6.
Release the METRONOME button.



Use the enclosed 'function label' for your convenience. (Page 8)

□ Method 2

Press and hold the METRONOME button, then press the '-' (off) or '+' (on) keys repeatedly to gradually decrease or increase the current tempo by 2 BPM.

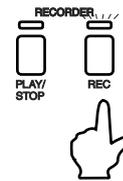
3. RECORDER

The RECORDER function records performances in a similar way to that of a tape recorder. However, the CA18 digital piano records songs as digital data, instead of audio data - storing the music inside the instrument, and providing a useful tool for both practicing and playing the piano.

1) RECORDING A SONG

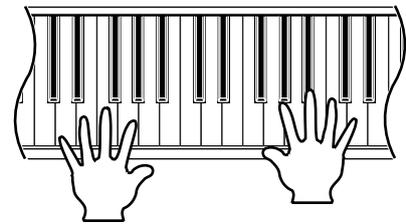
- Step 1**
Press the REC button.

The LED indicator for the REC button will start to flash, indicating that the piano is in recording standby mode.



- Step 2**
Start to play the piano.

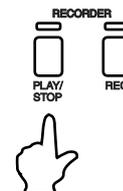
The recorder will automatically start recording with the first note played. During this time, the LED indicators for the REC and PLAY/STOP buttons will be turned on.



- The recording can also be started by pressing the PLAY/STOP button instead of pressing a key, allowing a blank bar to be inserted at the beginning of a song.

- Step 3**
Press the PLAY/STOP button to stop recording.

The CA18 digital piano will stop recording and the LED indicator for the REC button will flash momentarily while the song is saved to memory.



- The total recording capacity of the CA18 digital piano's memory is approximately 7,500 notes, with pedal presses also counted as one note. When the maximum capacity is reached, recording will stop and all music recorded up until that point will be saved to memory automatically.
- To record the piece again, simply repeat the above procedure. The new recording will completely erase the previous one.

2) PLAYING BACK A SONG

□ Step 1

Press the PLAY/STOP button to start playing the recorded song.



Press the PLAY/STOP button again to stop playback.



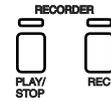
- If the REC button is pressed again to start recording, the previously recorded song will be overwritten by the new song.

3) ERASING A SONG

The CA18 digital piano must be turned off in order to erase the recorded song.

□ Step 1

Press the POWER button to turn off the power.



□ Step 2

Press and hold the PLAY/STOP and REC buttons simultaneously, then press the POWER button to turn the power on.



Hold down the button.



The recorded song will be erased.

4. FUNCTION MODE

The Function Mode allows various settings of the CA18 digital piano to be adjusted.

1) BASIC OPERATION

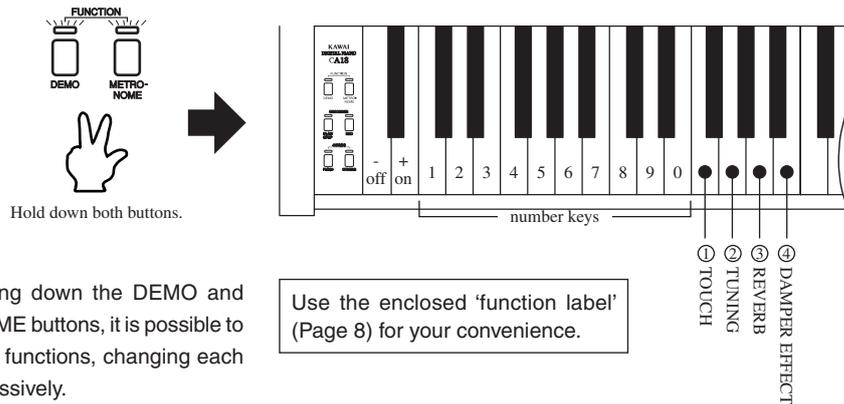
□ Step 1

Press and hold the DEMO and METRONOME buttons simultaneously, then press one of the keys assigned to the desired function.

The LED indicators for the DEMO and METRONOME buttons will start to flash while the settings are adjusted.

□ Step 2

While still holding down the DEMO and METRONOME buttons, press the ‘- (off)’ or ‘+ (on)’ keys to change the value for the selected function.



■ While holding down the DEMO and METRONOME buttons, it is possible to select other functions, changing each value successively.

□ Step 3

Release both the DEMO and METRONOME buttons to exit Function Mode.

■ When the power is turned off, Function Mode settings will be reset to the factory default values, shown below.

Function	Default
TOUCH	Normal
TUNING	A4=440.0Hz
REVERB	On
DAMPER EFFECT	2

2) TOUCH

When playing a piano, the volume of the sound produced increases in direct relation to how hard each key is struck. The TOUCH function allows different touch sensitivities for the keyboard to be selected, other than the standard touch of an acoustic piano. The sensitivity can be changed to one of four different settings: Light, Normal, Heavy or Constant.

□ Step 1

Press and hold the DEMO and METRONOME buttons simultaneously, then press the key assigned to the TOUCH function.

□ Step 2

While still holding down the DEMO and METRONOME buttons, press one of the following keys:

◆ Key1: LIGHT

For those still developing finger strength, such as a child, a louder sound is produced even when the piano is played with a soft touch.

◆ Key2: NORMAL

The standard setting, reproducing the touch sensitivity of an acoustic piano. This touch type is selected automatically when the CA18 digital piano is turned on.

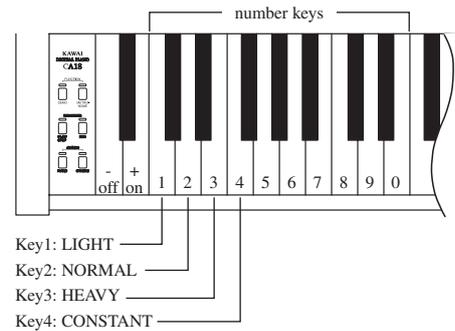
◆ Key3: HEAVY

Perfect for those with strong fingers or for practicing with a hard touch.

◆ Key4: CONSTANT

This setting is suitable for sounds that have a fixed dynamic range, such as Harpsichord. A constant volume is produced regardless of how hard the keys are struck.

■ The touch type is automatically set to NORMAL when the CA18 digital piano is turned on.



3) TUNING

The TUNING function allows the piano's pitch to be finely adjusted, and may prove useful when playing with other instruments.

The factory default value is set to the modern standard A = 440.0 Hz and can be adjusted in 0.5 Hz increments.

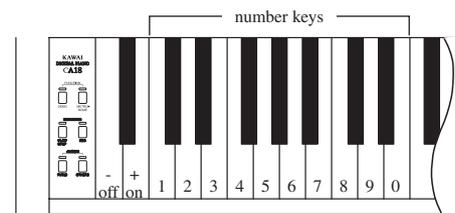
□ Step 1

Press and hold the DEMO and METRONOME buttons simultaneously, then press the key assigned to the TUNING function.

A tuning tone will be played.

□ Step 2

While still holding down the DEMO and METRONOME buttons, press the '-' (off) or '+' (on) keys to lower or raise the tuning pitch by 0.5 Hz, or enter the desired tuning pitch as a three digit number using the number keys.



■ For example, to set the tuning pitch to A = 441.5 Hz, first press the keys '4', '4', and '1', then press the '+' (on) key.

Alternatively, first press the keys '4', '4', and '2', then press the '-' (off) key.

4) REVERB

The REVERB function adds reverberation to the sound, simulating the acoustic environment of a recital room, stage, or concert hall. There are three types of reverb available: Room, Stage and 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 necessary.

□ Step 1

Press and hold the DEMO and METRONOME buttons simultaneously, then press the key assigned to the REVERB function.

□ Step 2

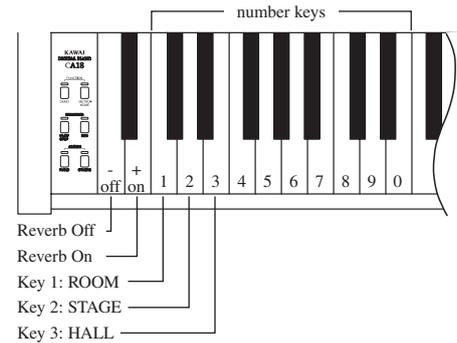
While still holding down the DEMO and METRONOME buttons, press one of the following keys to select the Reverb type:

Key 1: ROOM

Key 2: STAGE

Key 3: HALL

- The reverberation sound increases in length as the setting is changed from ROOM -> STAGE -> HALL.
- The reverberation function will be turned on upon selecting a reverb type.



The REVERB function is automatically activated when the CA18 digital piano is turned on.

□ Step 3

To turn on/off the REVERB function, press and hold the DEMO and METRONOME buttons simultaneously, press the key assigned to the REVERB function, and then press the '+ (on)' or '- (off)' key.

5) DAMPER EFFECT

When the damper pedal is depressed on an acoustic piano, all dampers are lifted up, allowing the strings to vibrate freely. When a note or chord is played on the piano with the damper pedal depressed, not only will the strings of the notes played vibrate, but also the strings of other notes, vibrating in sympathetic resonance. The Damper Effect function of the CA18 digital piano attempts to simulate this phenomenon.

□ Step 1

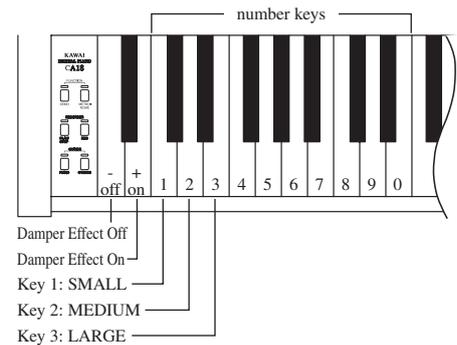
Press and hold the DEMO and METRONOME buttons simultaneously, then press the key assigned to the DAMPER EFFECT function.

□ Step 2

While still holding down the DEMO and METRONOME buttons, press one of the following keys to select the Damper Effect type:

- Key1 : SMALL
- Key2 : MEDIUM
- Key3 : LARGE

The DAMPER EFFECT function is automatically activated when the CA18 digital piano is turned on.

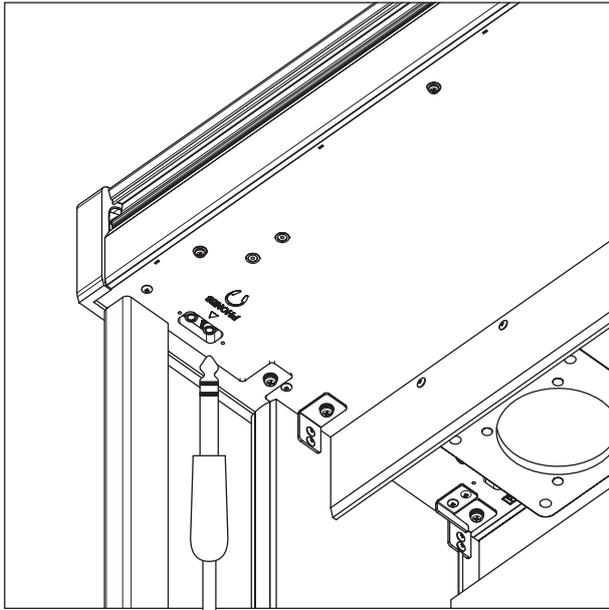


□ Step 3

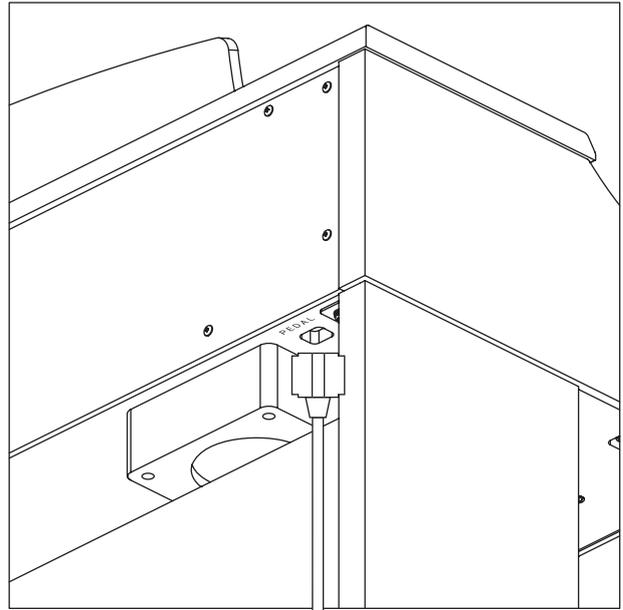
To turn on/off the DAMPER EFFECT function, press and hold the DEMO and METRONOME buttons simultaneously, press the key assigned to the DAMPER EFFECT function, and then press the '+' (on) or '-' (off) key.

5. APPENDICES

1) CONNECTING TO OTHER DEVICES



HEADPHONES



PEDAL CABLE

① HEADPHONE JACKS

Used to connect up to two pairs of headphones to the CA18 digital piano.

② PEDAL JACK

Used to connect the pedal board to the CA18 digital piano.

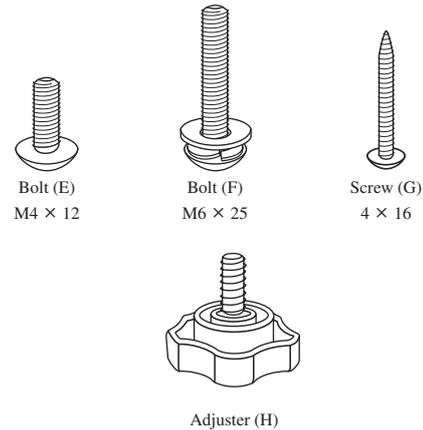
2) ASSEMBLY INSTRUCTIONS

- ⚠ Caution**
- Ensure that this section is read thoroughly before attempting to assemble the CA18 digital piano, and that two or more people work on unit assembly.
 - When moving the CA18 digital piano, ensure that hands are not caught in the unit, and that the piano is not dropped on an individual's feet.

Before attempting to assemble the CA18 digital piano, ensure that all parts are included.
A Phillips-head screwdriver will also be required to assemble the unit (not included).

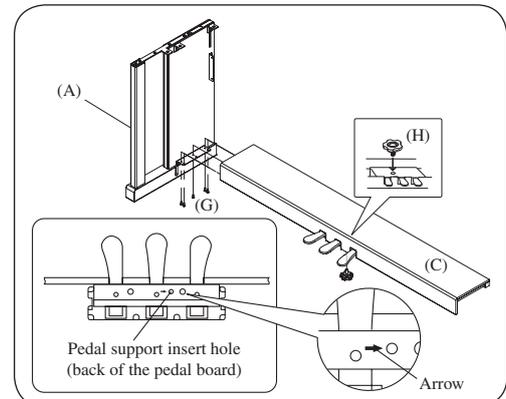
■ PARTS PROVIDED

Side Panel (A).....	2 pcs.
Back Panel (B).....	1 pc.
Pedal Board (C).....	1 pc.
Front Under Board (D).....	1 pc.
Bolt (E).....	8 pcs.
Bolt (F).....	6 pcs.
Screw (G).....	14 pcs.
Adjuster (H).....	1 pc.
Headphone hook set	
· Headphone hook.....	1 pc.
· Tapping screw.....	2 pcs.

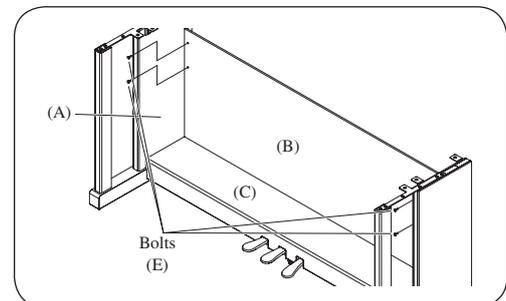


■ ASSEMBLY SEQUENCE

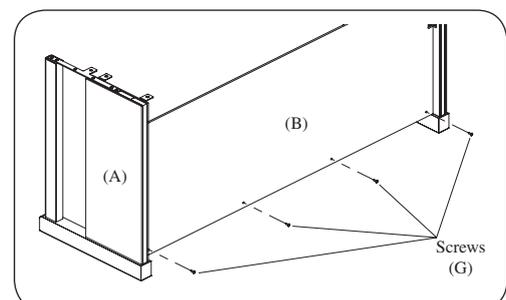
1. Insert the Adjuster (H) on the bottom of Pedal Board (C).
Untie the connection cord from the Pedal Board and pull it out.
Fasten Side Panel (A) and Pedal Board (C) with five screws (G) on either side.
Ensure that the bolts are fastened tightly.
Use the correct side panel for the left side and the right side of the unit.
Ensure that the pedal cable is not caught between the assembled parts.



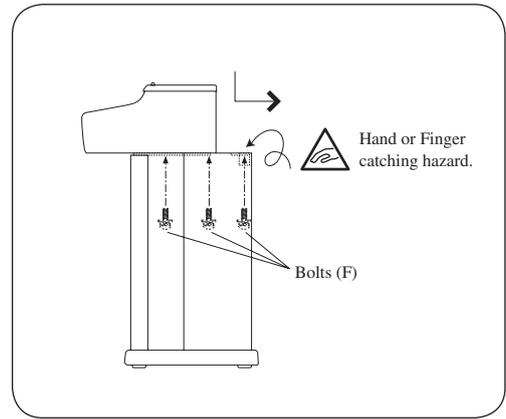
2. Fasten Back Panel (B) and Side Panel (A) with two Bolts (E) on either side.



3. Fasten Back Panel (B) and Side Panel (A) to the Pedal Board (C) with four Screws (G).

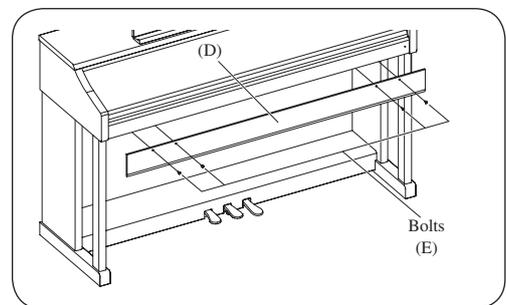


4. Place the piano on the front half of the stand so that the metal fitting holes are seen when viewed from the top. Slide the piano backward while holding it with one hand so that it does not incline and fall from the stand. The hooks on the piano are then engaged with the metal fittings on the Side Panels. Pay attention so that hands or fingers are not caught between the stand and piano. Fasten the piano and the stand with three bolts (with plain washers and spring washers)(F). First, loosely tighten the bolts to adjust the unit position in order to make sure that all four bolts can be inserted straight. Then, tighten the bolts. Make sure that the bolts are tightened until the spring washers collapse.

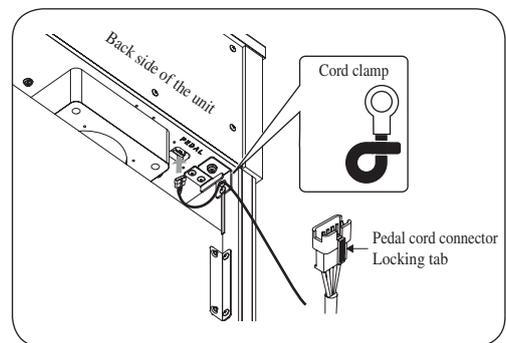


⚠ Caution • Ensure that the CA18 digital piano is correctly secured to the stand by using the bolts included. Failing to do so may result in the unit falling from the stand, causing damage or personal injury.

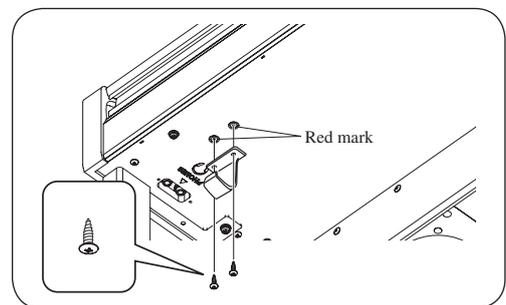
5. Fasten Front Under Board (D) and L Metal Fitting with Bolt (E).



6. Insert the pedal connection cord that comes from Pedal Board (C) into the piano's pedal jack and fasten with cord clamps.

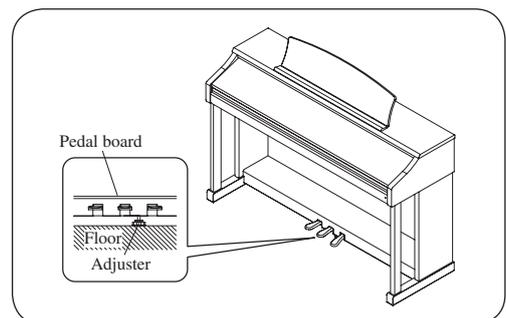


7. Fix the headphone hook to the location marked with red ink by using two tapping screws provided in the same plastic bag.



8. Turn the Adjuster (installed on the bottom of C) until it touches the floor to support the pedal board.

⚠ Caution • The pedal board may break if the adjuster is not touching the floor correctly. When moving the CA18 digital piano, ensure that the the unit is lifted clearly from the floor and not dragged.



3) SPECIFICATIONS

■ Keyboard	88 key wooden action
■ Max Polyphony	96 notes
■ Tones	8 Tones (Concert Grand, Concert Grand 2, Studio Grand, Modern Piano, String Ensemble, Classic E.Piano, Church Organ, Harpsichord)
■ Other Functions	Volume, Tuning, Four Hands Mode, Demo (37 Songs), Touch Type (Normal, Light, Heavy, Constant), Reverb (Room, Stage, Hall), Damper Effect
■ Recorder	The total memory capacity of the recorder is approximately 7,500 notes (1 song, 1 track)
■ Metronome	Beat: 1/4, 2/4, 3/4, 4/4, 5/4, 3/8, 6/8, Tempo: 10-300 BPM
■ Pedals	Sustain (half-pedalling supported), Soft, Sostenuto
■ Jacks	Headphones x 2, Pedal
■ Output Power	13 W x 2
■ Speakers	12 cm x 2, 5 cm x 2
■ Key cover	Slide type
■ Power Consumption	30 W
■ Dimensions	137 (W) x 46 (D) x 89 (H) cm (without Music Rack)
■ Weight	61 kg

KAWAI

THE FUTURE OF THE PIANO

CA18 Owner's Manual
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