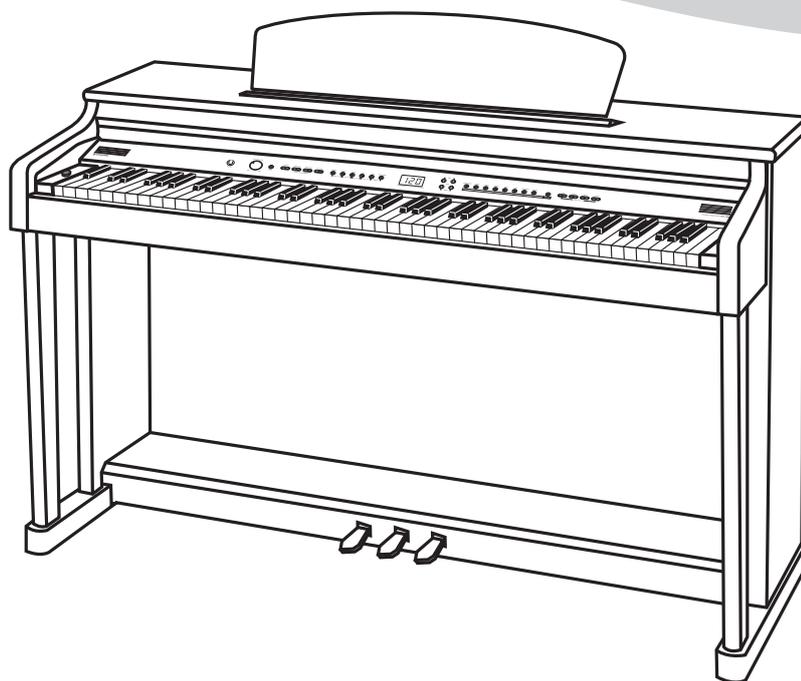
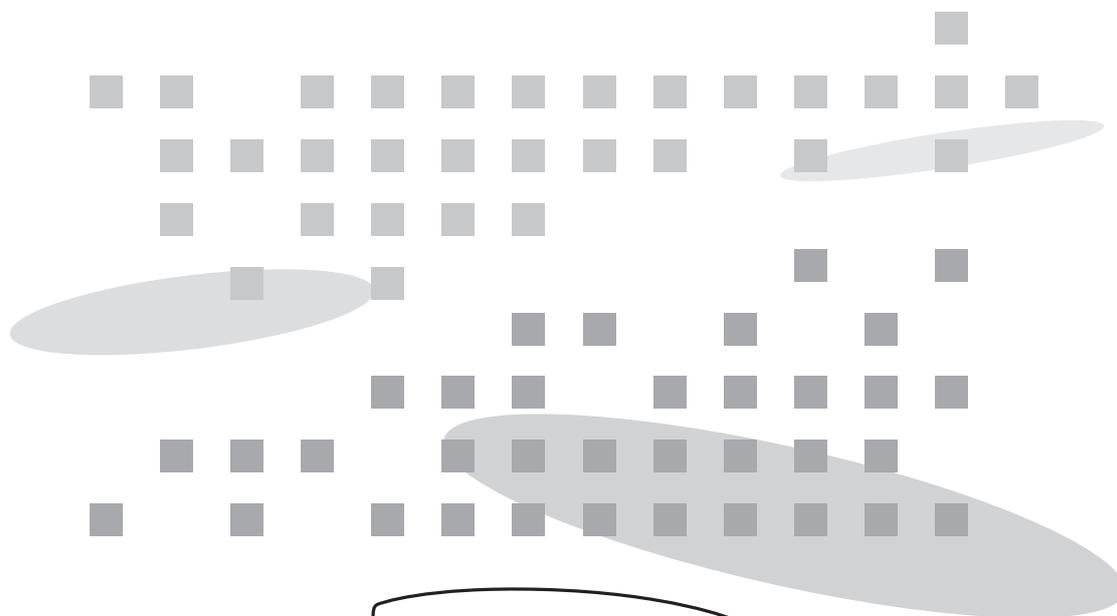




# OWNER'S MANUAL



**High Performance Digital Piano DPR-1650**  
*New feel, new look and new sound*

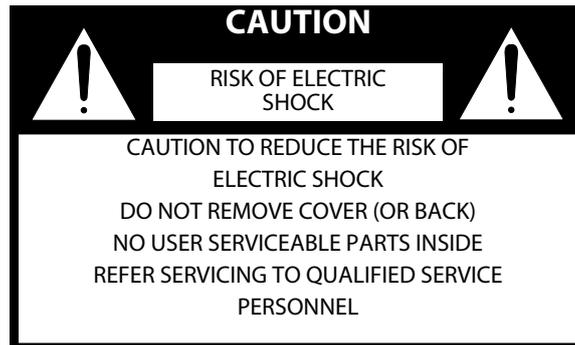


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## INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

**WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT  
EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**



This Symbol 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 fire or electric shock.



This Symbol is intended to alert the user to the presence of important information in the literature accompanying this appliance.  
All information should be read carefully to avoid misuse of product.

### **INFORMATION TO THE USER**

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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.

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 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 receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### **FCC WARNING**

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment

**PLEASE READ CAREFULLY BEFORE PROCEEDING**

Please keep these precautions in a safe place for future reference.



**WARNING**

**Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:**

- Do not open the piano or attempt to disassemble the internal parts or modify in anyway. The piano contains no user-serviceable parts. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified service personnel.
- Do not expose the piano to rain, use it near water or damp or wet conditions, or place containers on it containing liquids which might spill into any openings.
- If the power cord or plug becomes frayed or damaged, or if there is a sudden loss of sound during use of the piano, or if any unusual smells or smoke should appear to be caused by it, immediately turn off power switch, disconnect the electric plug from outlet, and have the inspected by qualified service personnel.
- Only use the voltage specified as correct for the piano. The required voltage is printed on the name label of the piano.
- Before cleaning the piano, always remove the electric plug from the outlet. Never insert or remove an electric plug with wet hand.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.



**CAUTION**

**Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, damage to the piano or other property. These precautions include, but are not limited to, the following:**

- Do not place the power cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy object on it or, place it in a position where anyone could walk on, trip over or roll anything over it.
- When removing the electric plug from the piano or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.
- Do not connect the piano to an electrical outlet using a multiple-connector. Doing so can result in lower sound quality, or possibly cause over-heating in the outlet.
- Remove the electric plug from the outlet when the piano is not to be used for extended periods of time, or during electrical storms.
- Before connecting the piano to other electronic components, turn off power for all components. Before turning the power on or off for all components, set all volume levels to minimum.
- Do not expose the piano to excessive dust or vibrations, or extreme cold or heat such as in direct sunlight, near heater, or in the car during the day to prevent the possibility of panel disfiguration or damage to the internal components.
- Do not use the piano near other electrical products such as televisions, radios, or speakers, since this might cause interference which can affect proper operation of other products.
- Do not place the piano in an unstable position where it might accidentally fall over.

## Precautions

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- Before moving the piano, remove all connected cables
- When cleaning the piano, use a soft, dry cloth. Do not use paint thinners, solvent, cleaning fluids or chemical-impregnated wiping cloths. Also, do not place vinyl, plastic or rubber object on the piano, since might discover the panel or keyboard.
- Do not rest your weight or place heavy objects on the piano.
- Do not use excessive force on the buttons, switches and connectors.
- Take care that the key cover does not pinch your fingers, and do not insert a finger or hand in the key cover gap.
- Never insert or drop paper or metallic or liquids or other objects between the slits of the key cover and keyboard. If this happens, immediately turn off the power and remove electric plug from outlet and inspect by qualified service personnel.
- Do not place the piano against a wall (allow at least 3 cm/one inch from the wall), since this can cause inadequate air circulation, and possibly result in the piano overheating.
- Read carefully the 'SETTING UP YOUR PIANO' section in this manual. Failure to assemble the piano in the proper sequence might result in damage to the piano or even injury.
- Do not operate the piano for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing the ears, consult a physician.
- During thunderstorms, turn the product off and disconnect the plug from the power.

# Contents

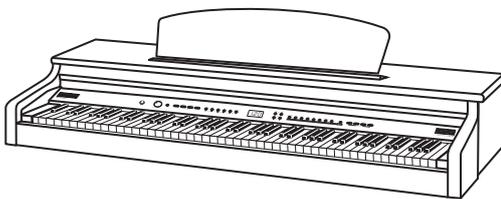
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# Unpacking

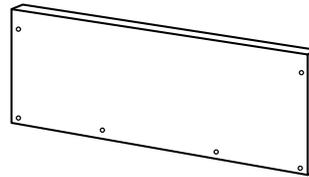
Carefully remove the Digital Piano and its accessories from the packing box. The Digital Piano set consists of the following items.

## [[PIANO BOX]

Piano Body

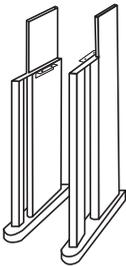


Rear Plate (d)



## [STAND BOX]

Right, Left Legs (a, b)



Pedal Box (c)



Six bolts for Main unit  
M6 X 15mm (e)



Four Self-Tapping screws for Rear panel  
4 X 20mm (f)



Two screws for Rear panel  
M4 X 15mm (g)



Four bolts for pedal box  
M6 X 25mm (h)



Six washers for screws(i)



Four bolts for Main unit -Silver  
M6 X 30mm (j)



Four caps for legs (k)

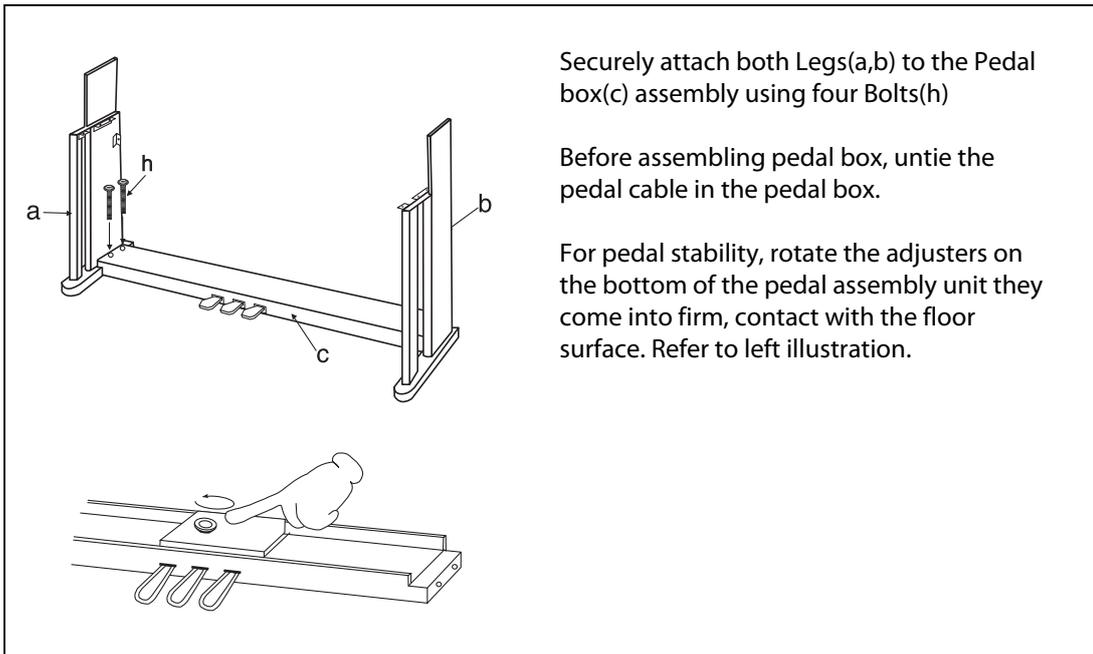


☞ Inspect each item carefully to make sure that it is in good condition. If you find any item missing or damaged, contact the place of purchase immediately for replacement.

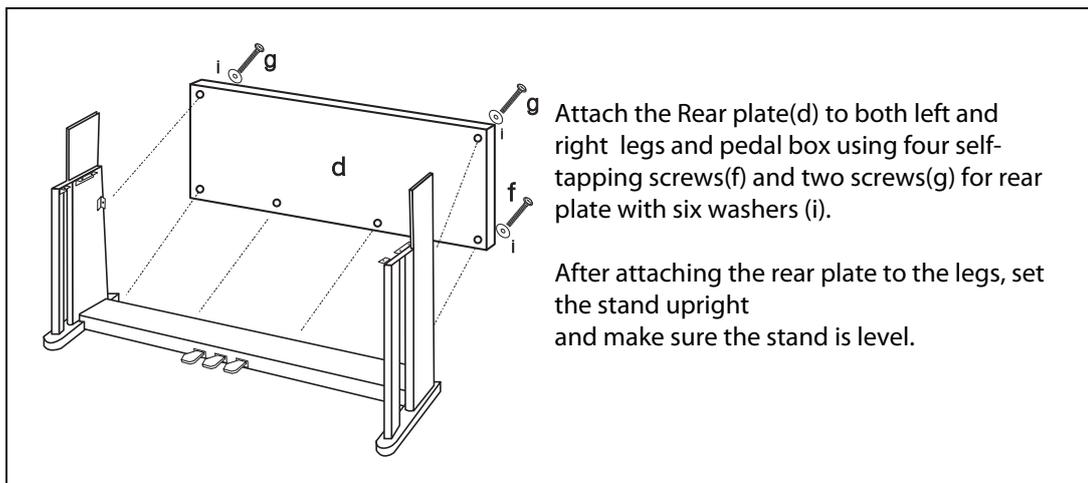
## Setting Up Your Piano

The piano is composed with the piano body and stand and assemble the piano as following steps.

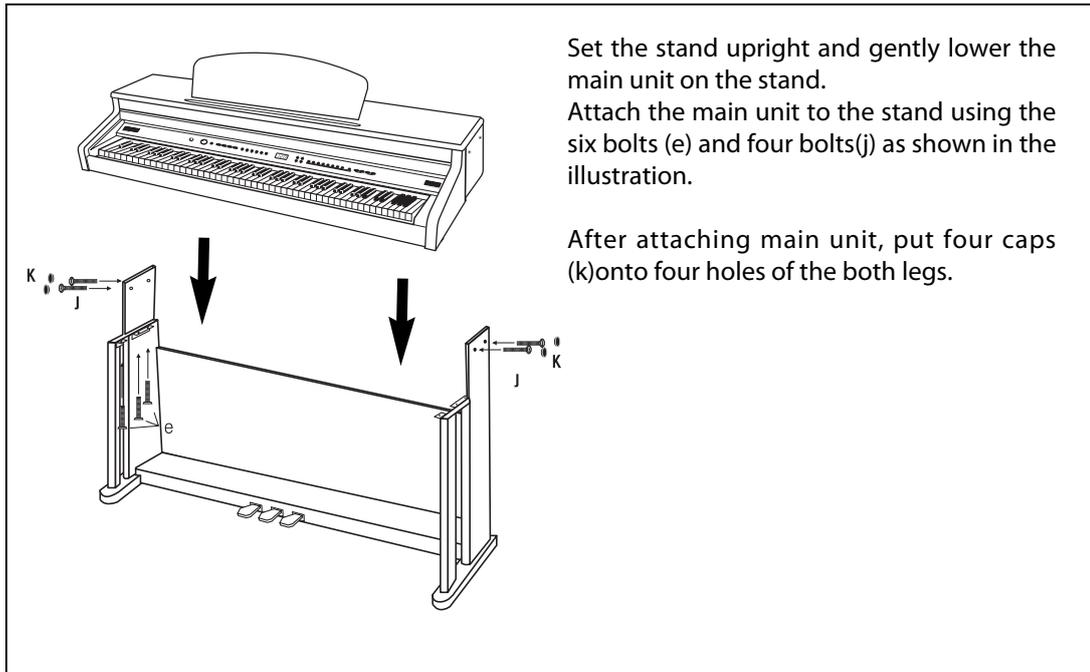
### 1. Attaching the both legs and pedal box assembly



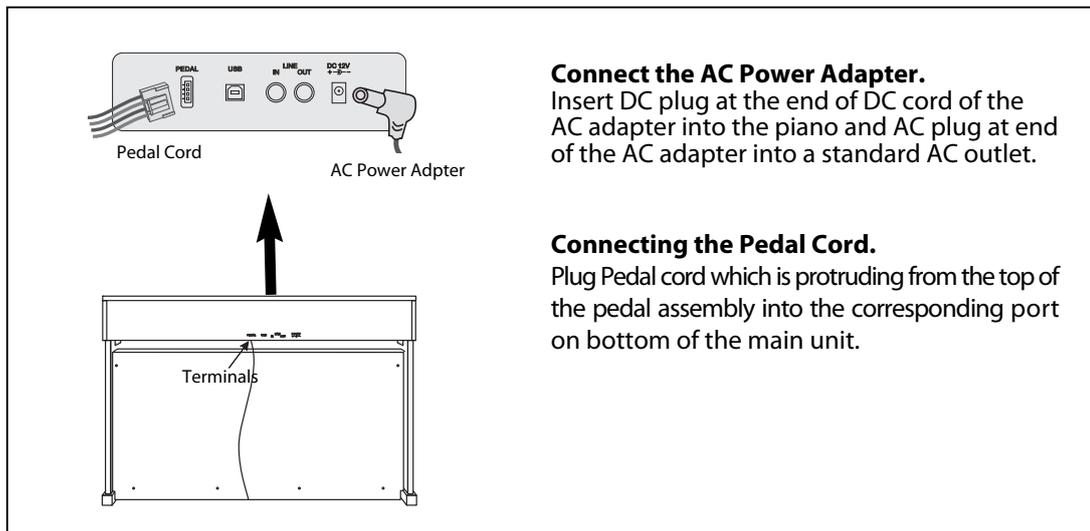
### 2. Assembling the stand



3. Attaching the main unit and stand



4. Connecting the pedal cord.



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# Controls and Terminals

## POWER

### Connect the AC Power Adapter.

Insert DC plug at the end of DC cord of the AC adapter into the piano and AC plug at end of the AC adapter into a standard AC power outlet.

☞ See 'Connecting the pedal cord and AC adapter' on page 7.

### Turn on the power.

Press **POWER** button. The power turns on and the initial display appears in the **Multi Function Display**. The voice of Grand Piano is selected automatically at first.

☞ Adjust the volume by using **MASTER VOLUME**.

☞ Press and hold down the **POWER** button for around 2 seconds to turn off the power. All lamps and LED display will turn off.

### Auto Power Off

Following 30 minutes of inactivity, the piano will be turned off automatically to preserve energy.

### Disable Auto Power Off

To disable the auto power-off system, hold down the lowest black and white keys and then press the **POWER** button when turning on the piano.

## USING HEADPHONE

Connect a set of stereo headphones(optional) to **HEADPHONE jack** (standard 1/4" phone jacks).

Insert the headphone plug into the **HEADPHONE jack** on the bottom panel of the piano.

When headphones are connected, the internal speaker system is automatically shut off.

Since the piano has two **HEADPHONE jacks**, two sets of headphones can be used simultaneously, allowing two people to enjoy listening to the performance.

## USING PEDALS

### Connecting the pedal cord.

Insert the pedal plug into the pedal connector on bottom of the piano.

☞ See 'Connecting the pedal cord and AC adapter' on page 7.

#### ① RIGHT PEDAL (Damper Pedal )

With piano tones, depressing the pedal causes notes to linger, much like a piano's damper pedal.

With organ tones, depressing the pedal causes notes to continue to sound until the pedal is released.

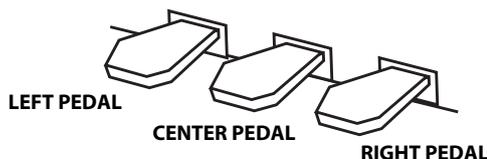
#### ② CENTER PEDAL (Sostenuto Pedal)

As with the sustain pedal function described above, depressing the sostenuto pedal causes notes to be sustained. This difference between a sostenuto pedal and sustain pedal is the timing. With a sostenuto pedal, you press the keys and then depress the pedal before you release the keys.

Only the notes that are sounding when the pedal is depressed are sustained.

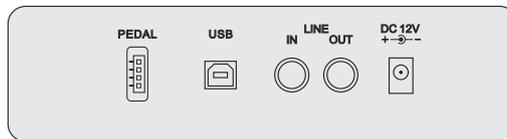
#### ③ LEFT PEDAL (Soft Pedal)

Depressing the pedal softens the sound of the notes being played.



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## CONNECTING TO AUDIO DEVICE



### LINE IN

Connect the output jack (LINE OUT etc.) of an external synthesizer or the tone generator module and the instrument's **LINE IN** jack using appropriate stereo audio cable.

The stereo outputs from another instrument can be connected to this jack, allowing the sound of an external instrument to be reproduced via the instrument's speakers.

When this is connected, you can use the instrument's **MASTER VOLUME** control to adjust the volume of the sound output to the external device.

#### ⚠ CAUTION

When the sound of an external device is output to the instrument, first turn on the power of the external device, then that of the instrument. Reverse this order when you turn the power off.

### LINE OUT

Connect the instrument's **LINE OUT** jack and the input jacks of a pair of powered speakers using appropriate stereo audio cable.

## CONNECTING TO A COMPUTER

By connecting a computer to the USB, you can transfer MIDI and audio data between the instrument and the computer and take advantage of sophisticated computer music programs.

When connecting to a computer, the digital piano can be used as an audio device of your computer.

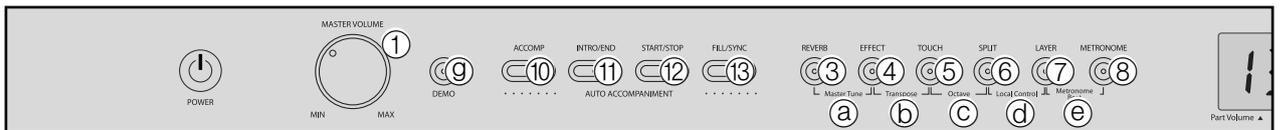
When you connect the digital piano to a computer, the device driver required to send and receive data will be installed on the computer.

The below instructions explain how to connect and use the terminals.

#### ⚠ CAUTION - Precautions when using the USB terminal.

When connecting the computer to the USB terminal, make sure to observe the following points. Failing to do so risks freezing the computer and corrupting or losing data. If the computer or the instrument freezes, turn the power of the instrument off and restart the computer.

## CONTROL PANEL

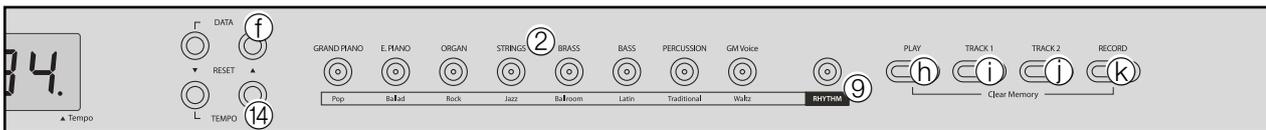


### VOICE SECTION

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④ EFFECT	Page 16
⑤ TOUCH	Page 16
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### RHYTHM SECTION

⑨ RHYTHM buttons	Page 21
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**PLAYER SECTION**

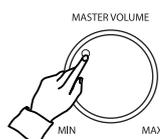
- Ⓖ DEMO ..... Page 13
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- Ⓖ RECORD ..... Page 26

## Adjusting the Volume

The piano has one volume knob on the panel for adjusting the volume.

### MASTER VOLUME

This determines the entire volume of the piano.

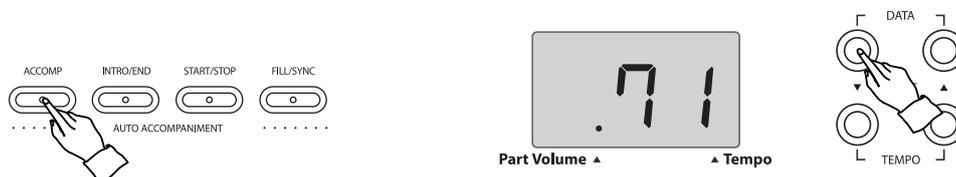


⇒ This also determines the volume level of the **HEADPHONE(s)**.

### ADJUSTING PART VOLUME

The part volume of accompaniment, split, layer, demo, metronome, reverb and effect independently can be adjusted

Press and hold down the desired part button and adjust the selected volume by pressing the DATA UP or DOWN button.



⇒ When pressing the DATA UP or DOWN button, the display shows the selected part volume and the part volume dot on the display is on.

### PART VOLUME RANGE

- Demo 20 ~ 100 (Default Volume 80)
- Accomp 20 ~ 100 (Default Volume 70)
- Reverb 00 ~ 100 (Default Volume 30)
- Effect 00 ~ 100 (Default Volume 70)
- Touch 00 ~ 127 (Default Fixed Velocity 70)
- Split 20 ~ 100 (Default Volume 100)
- Layer 20 ~ 100 (Default Volume 75)
- Metronome 20 ~ 100 (Default Volume 90)

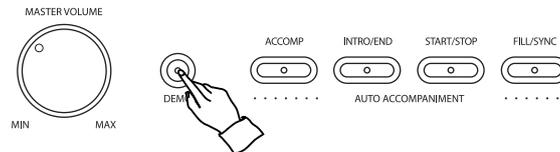
# Demo Music

There are 8 demo music in the piano.

**a) Go to the demo mode.**

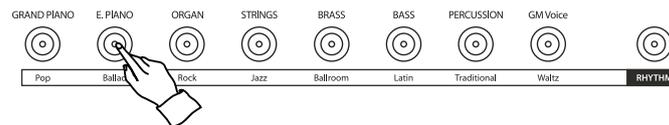
Press the DEMO button.

The demo button lights and all voice buttons flashes. The display shows 'SEL'



**b) Start playback of the desired music.**

Press one of voice buttons. The selected demo music starts.



**Adjusting volume of the music.**

Press and hold down the **DEMO** button and adjust the demo volume by pressing the DATA UP or DOWN button. (see the **ADJUSTING PART VOLUME** section on page 12)

**Adjusting Tempo of the music.**

Each demo tune has its default tempo. When starting playback of a music, tempo of the Demo music is set to default tempo. Tempo can be changed during playback of the music by using **TEMPO UP** or **DOWN** button.

- 1) When playback of the next demo, tempo goes to default tempo of the selected demo music.
- 2) If you press both **TEMPO UP** and **DOWN** buttons, tempo is set to default tempo of the selected music.

**Playback of all demo music.**

After finishing a demo tune, playback of the next demo tune starts.

## DEMO MUSIC LIST

# VOICE	TITLE	COMPOSER
1 GRAND PIANO	Nocturne Op9 No2	F.F. Chopin
2 E.PIANO	Golliwog's Cake-walk	C.A. Debussy
3 ORGAN	Praludium und Fuge in B BMV560	J.S. Bach
4 STRINGS	Waltz op34 no1	F.F. Choipn
5 BRASS	Fantaisie Impromptu	F.F. Chopin
6 BASS	Sonata K545 1st	W.A. Mozart
7 PERCUSSION	Pop Demo Tune	
8 GM VOICE	Pathetique	L.v. Beethoven

**b) Stop playback of the desired music and exit demo mode.**

Press the DEMO button. The button lamp turns off and piano goes to play mode.

## Selecting Voices

# Selecting Voices

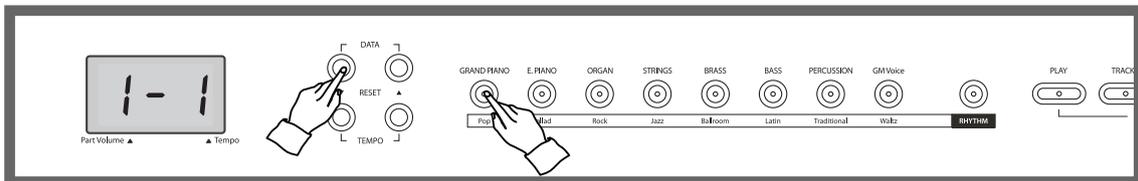
The piano features a wealth of rich, authentic voices, including piano, strings and brass instruments. It also features a keyboard percussion function that lets you play realistic drum, percussion sounds, and various effect sounds directly from keyboard.

### Voice Types

- ☞ 35 Sounds and GM 128 Voice Sounds
- ☞ 4 Drum kits
- ☞ 1 Sound Effect set

### a) Select a Voice.

Select the desired voice by pressing the appropriate **VOICE** button.



☞ Piano has total 8 voice groups and each voice group has 5 voices.

☞ When pressing a **VOICE** button, the lamp turns on and the pop-up display shows the location of the selected voice for 5 seconds as follows,

- **Left digit of the pop-up display** lets you know the location of the selected voice button: 1~7

- **Right digit of the pop-up display** lets you know the location of the voice of the selected button: 1 ~ 5.

☞ After selecting a voice, you can select one of five voice of the selected voice group by pressing the **VOICE** button. Also, the voice can be selected by pressing **DATA UP** and **DOWN** buttons.

### ☞ POP-UP Display

The pop-up display returns to the previous display after 5 seconds.

### ☞ Backing Up the Selected Voice.

The last selected voice in each button will be retained in memory.

### VOICE LIST

Grand Piano	E. Piano	Organ	Strings	Brass	Bass	Percussion	GM Voice
Piano 1	Elec. Piano 1	PipeOrgan	Strings 1	Brass	Acoust. Bass	Standard	GM # 41 (Default)
Piano 2	Elec. Piano 2	Elec. Organ 1	Strings 2	SynBrass1	E. Bass 1	Electric	
Piano 3	Brightness	Elec. Organ 2	Choir	SynBrass2	E. Bass 2	TR808	
Harpsichord	SQ Wave	Elec. Organ 3	SynthStr. 1	Tenor Sax	SynBass1	Orchestra	
Vibraphone	SW Wave	Accordion	SynthStr. 2	Pan Flute	SynBass2	SFX	

### b) Play the selected voice.

Adjust the volume by using **MASTER VOLUME** and play the piano with the selected voice.

## GM Voice

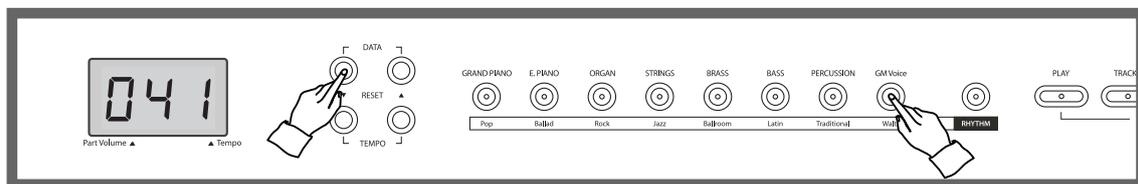
There are 128 different voices in the piano. When the **GM VOICE** button is selected, one of 128 GM voices can be assigned.

### CHANGING GM VOICE BY DATA BUTTONS.

#### a) Press the GM VOICE button.

The Pop-up display shows you the current selected voice number.

☞ Default GM voice: 041 Violin



#### b) Select the desired voice by pressing the DATA buttons.

☞ Instead of the DATA buttons, you can change the GM voice by pressing the GM voice button.

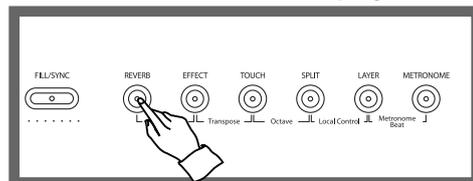
☞ See the **GM VOICE TABLE** on page 27 in this manual.

## Reverb

Reverb is an effect that recreates the decaying reflections of a sound in a performance space, and reproduces the special ambience of a concert hall.

### REVERB ON/OFF

To turn on reverb, press the **REVERB** button. The lamp lights and reverb is set ON. (default on)



To turn off reverb, press the **REVERB** button again. The lamp turns off and reverb is no longer active.

### SELECTING REVERB TYPE

Press the **REVERB** button. The display shows current reverb type for 5 seconds.

☞ The Reverb type pop-up display appears and shows current reverb type.

☞ When display shows type, the reverb type can be changed.

☞ There are 8 Reverb types in the piano. **r-1** : HALL 1, **r-2** : HALL 2, **r-3** : ROOM 1, **r-4** : ROOM 2, **r-5** : ROOM 3 (default), **r-6** : STAGE 1, **r-7** : STAGE 2, **r-8** : PLATE

### ADJUSTING THE REVERB DEPTH

Press and hold the **REVERB** button and adjust the depth by using the **DATA UP** or **DOWN** button.

☞ If you press both **UP** and **DOWN** Keys at the same time automatically return to the default Reverb Depth (30).

☞ The range of volume is 0 ~ 100.

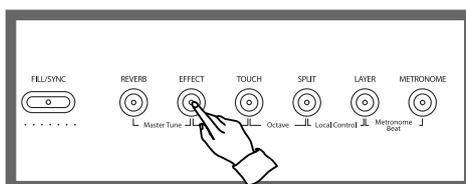
☞ Press and hold the button for continuous decrementing or incrementing.

## Effect

This control adds richness to the sound. There are 13 different Chorus types.

### EFFECT ON/OFF

To turn on effect, press the **EFFECT** button. The lamp lights and effect is set ON. (default off)



To turn off effect, press the **EFFECT** button again. The lamp turns off and effect is no longer active.

### SELECTING EFFECT TYPE

Press the **EFFECT** button. The display shows current effect type for 5 seconds.

- ☞ The effect type pop-up display appears and shows current effect type.
- ☞ When display shows type, the effect type can be changed.
- ☞ There are 8 effect types in the piano. **C-1** : CHORUS 1(default), **C-2** : CHORUS 2, **C-3** : CHORUS 3, **C-4** : CHORUS 4, **C-5** : CHORUS FEEDBACK, **C-6**: FLANGER 1, **C-7**: SHORT DELAY, **C-8**: SHORT DELAY FEEDBACK, **C-9** : FLANGER 2, **C-10** : FLANGER 3, **C-11** : CELESTE 1, **C-12** : CELESTE 2, **C-13** : CELESTE 3

### ADJUSTING THE EFFECT LEVEL

Press and hold the **EFFECT** button and adjust the level by using the **DATA UP** or **DOWN** button.

- ☞ If you press both **UP** and **DOWN** Keys at the same time automatically return to the default effect level (70).
- ☞ The range of volume is 0 ~ 100.
- ☞ Press and hold the button for continuous decrementing or incrementing.

## Touch

Touch determines how your playing strength (velocity) affects the volume of the voices. 4 types are available for tailoring the keyboard response to the selected voice, type of song, or your own playing preference.

To turn on effect, press the **TOUCH** button. The lamp lights and touch is set ON. (default on)

- ☞ The touch pop-up display appears and shows current value.
- ☞ The value can be changed by pressing **DATA UP** and **DOWN** buttons during showing the touch type in the LED display.
- ☞ The default value is 2, which is normal touch
- ☞ Whenever press both **DATA UP** and **DOWN** buttons, default value '2' is set automatically.
- ☞ **Backing Up adjusted value.** The last adjusted value of each Function can be retained in memory.

### TOUCH TYPE

Display	Type	Description
1	SOFT	let you produce a relatively loud sound even when playing the key softly.
2	NORMAL	This setting is standard keyboard response and is used as the basic setting.
3	HARD	This setting requires you to play the keys quite strongly to produce maximum loudness.
NA	FIXED(OFF)	This setting is non-sensitive keyboard.

- ☞ Press and hold the **TOUCH** button and press the **DATA UP** or **DOWN** button to adjust the fixed(touch OFF, default 70) velocity.

## Split

The Split mode of the piano allows you to select and play two different voices with your left and right hands - For example, play bass with the left and piano with the right .

### Ⓐ Select the main voice.

Select a voice in the normal way. (see the **SELECTING VOICE** section on page 14)

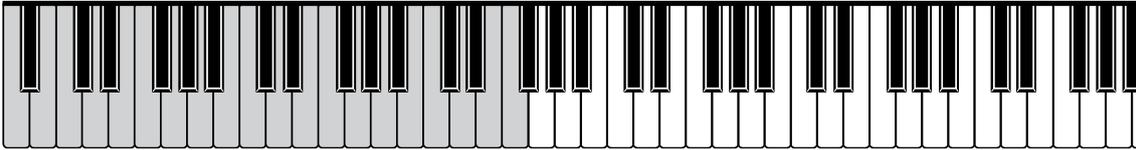
### Ⓑ Call up the Split mode.

To call up the split mode, press the **SPLIT** button. Lamp lights and the split is set on. The pop-up displays for 5 seconds.

☞ The default voice is **6-1 ACOUST. BASS** in the split mode.

☞ To assign new split point, hold down the **SPLIT** button and press a key. (Default F3#, 34)

▼ Split point (F3#, 34)



### Ⓒ Select the split voice.

While the pop-up display shows split voice number, select a split voice. (see the **SELECTING VOICE** section on page 14)

## ADJUSTING THE SPLIT VOICE VOLUME

Press and hold the **SPLIT** button and adjust the level by using the **DATA UP** or **DOWN** button.

☞ If you press both **UP** and **DOWN** Keys at the same time automatically return to the default volume (100).

☞ The range of volume is 0 ~ 100.

☞ Press and hold the button for continuous decrementing or incrementing.

## Layer

The Layer mode of the piano allows you to select and play two different voices simultaneously in a layer. This makes it easy to create exceptionally rich and thick tonal textures. The volume balance can be set for the two voices.

### Ⓐ Select the main voice.

Select a voice in the normal way. (see the **SELECTING VOICE** section on page 14)

### Ⓑ Call up the Layer mode.

To call up the layer mode, press the **LAYER** button. Lamp lights and the layer is set on. The pop-up displays for 5 seconds.

☞ The default voice is **4-2 STRINGS 2** in the Layer mode.

### Ⓒ Select the layered voice.

While the pop-up display shows layer voice number, select a layer voice. (see the **SELECTING VOICE** section on page 14)

## ADJUSTING THE LAYERED VOICE VOLUME

Press and hold the **LAYER** button and adjust the level by using the **DATA UP** or **DOWN** button.

☞ If you press both **UP** and **DOWN** Keys at the same time, automatically return to the default volume (75).

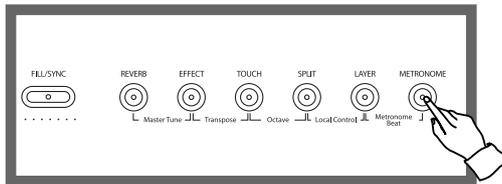
## Using the Metronome

The piano features a convenient metronome that is ideal for practicing.

### START/STOP OF THE METRONOME

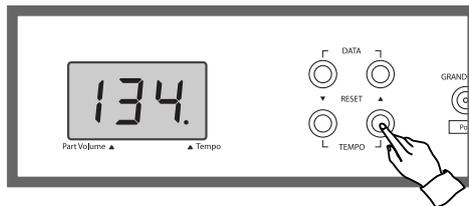
To start the metronome, simply press the **METRONOME** button.

Press the **METRONOME** button again to stop the metronome sound.



### ADJUSTING THE TEMPO OF THE METRONOME

You can set the tempo over range 20 ~ 280 beats per minute by using the **TEMPO** buttons.



- ☞ Press and hold the button for continuous decrementing or incrementing.
- ☞ If you press both **UP** and **DOWN** buttons at the same time, automatically return to the default tempo of the selected rhythm.

### ADJUSTING THE METRONOME VOLUME

You can adjust the metronome volume.

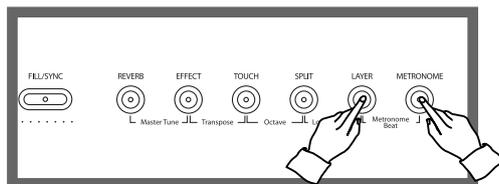
Press and hold the **METRONOME** button and adjust the metronome volume by using the **DATA UP** and **DOWN** buttons.

- ☞ Press and hold the button for continuous decrementing or incrementing.
- ☞ If you press both **UP** and **DOWN** buttons at the same time, automatically return to the default volume (90).
- ☞ Adjustable volume range 20 ~ 100.

### SELECTING THE BEAT

Press both **LAYER** and **METRONOME** buttons. (NOT HOLD DOWN)

- ☞ The Metronome Beat pop-up display appears and shows current beat of the metronome for 5 seconds.
- ☞ Change the metronome beat by using the **DATA UP** or **DOWN** button.
- ☞ Metronome beat can be selected to one of 8 preset beats (1/4, 2/4, 3/4, 4/4(default), 6/4, 3/8, 6/8, 7/8, 9/8, 12/8, 2/2).

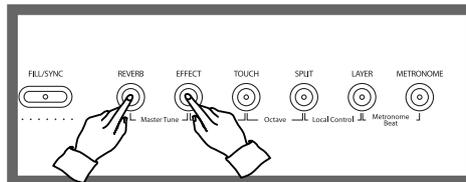


# Setup

## MASTER TUNE

The Tune function lets you make fine adjustments to the pitch, allowing you to accurately match the tuning with that of other instruments.

Press both **REVERB** and **EFFECT** buttons. (NOT HOLD DOWN)

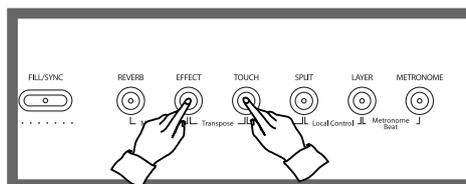


- ☞ The Tune pop-up display appears and shows current value.
- ☞ The value can be changed by pressing **DATA UP** or **DOWN** button.
- ☞ If you press both **UP** and **DOWN** buttons at the same time automatically return to the default value.
- ☞ **Range:** A3 440Hz  $\pm$  99 cents (Default 00)
- ☞ **Hz(Hertz)**  
The pitch is measured in units of Hertz (abbreviated Hz), which represents the number of times the sound wave vibrates in a second.
- ☞ **Cent** Cent is unit of pitch, equal to 1/100 of a semi-note.
- ☞ **Backing Up adjusted value.** The last adjusted value of each Function can be retained in memory.

## TRANSPOSE

The TRANSPOSE function makes it's possible to shift the pitch of the keyboard in semi-note units, allowing you to match the pitch of the keyboard to the range of other instruments or singers, or letting you easily play in a different key without having to change your fingering. For example, if the TRANSPOSE is set F key, playing C results in a pitch of F, or in other words, you can play in the key of C major on the keyboard and automatically have the pitch transposed to F major.

Press both **EFFECT** and **TOUCH** buttons. (NOT HOLD DOWN)



- ☞ The Transpose pop-up display appears and shows current value.
- ☞ The value can be changed by pressing **DATA UP** or **DOWN** button.
- ☞ If you press both **UP** and **DOWN** buttons at the same time automatically return to the default value.
- ☞ **Range:** -12 semi-note ~ 0 ~ 12 semi-note (Default 00)
- ☞ **Backing Up adjusted value.** The last adjusted value of each Function can be retained in memory.

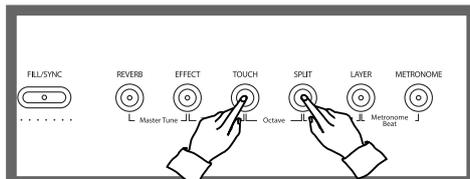
## Setup

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### OCTAVE

The OCTAVE function makes it's possible to shift the octave of the keyboard, allowing you to match the octave of the keyboard to the range of other instruments.

Press both **TOUCH** and **SPLIT** buttons. (NOT HOLD DOWN)



- ☞ The Octave shift pop-up display appears and shows current value.
- ☞ The value can be changed by pressing **DATA UP** or **DOWN** button.
- ☞ This function works for only main voice.
- ☞ If you press both **UP** and **DOWN** buttons at the same time automatically return to the default value.
- ☞ **Range:** -2 ~0 ~ +2 octave (Default 0)
- ☞ **Backing Up adjusted value.** The last adjusted value of each Function can be retained in memory.

### LOCAL CONTROL

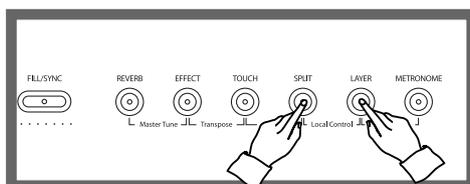
Local control refers to the fact that, normally, the piano keyboard controls its internal tone generator, allowing the internal voices to be played directly from the keyboard.

This situation is called Local Control ON. When the local control is set to off, the keyboard and sound source are separated and no sound is heard through the piano when playing the keyboard.

However, the data of the keyboard performance is output through MIDI. By setting local control to off, you can play an external MIDI tone generator from the keyboard of the piano without sounding the internal voices.

Press both **SPLIT** and **LAYER** buttons. (NOT HOLD DOWN)

- ☞ The local control pop-up display appears and shows current beat of the metronome for 5 seconds.
- ☞ Change the local control setting by using the **DATA UP** or **DOWN** button.
- ☞ If local control is off, piano does not make any sound and just send MIDI message via MIDI out port.



### METRONOME BEAT

Press both **LAYER** and **METRONOME** buttons. (NOT HOLD DOWN)

- ☞ The Metronome Beat pop-up display appears and shows current beat of the metronome for 5 seconds.
  - ☞ Change the metronome beat by using the **DATA UP** or **DOWN** button.
  - ☞ Metronome beat can be select one of 8 preset beats (1/4, 2/4, 3/4, 4/4(default), 6/4, 3/8, 6/8, 7/8, 9/8, 12/8, 2/2).
  - ☞ **Backing Up adjusted value.** The last adjusted value of each Function can be retained in memory.
-

# Auto Accompaniment

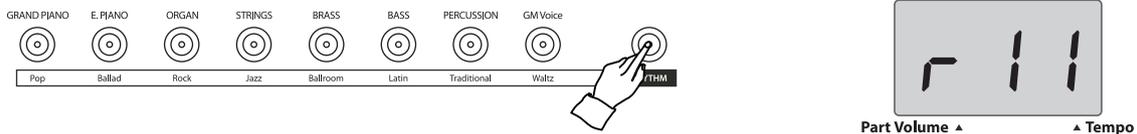
This keyboard automatically plays bass and chord parts in accordance with the chords you finger. The bass and chord parts are played using sounds and voices that are automatically selected to select the rhythm you are using. All of this means that you get full, realistic accompaniments for the melody notes you play with your right hand, creating the mood of a one-person ensemble.

## SELECTING A RHYTHM

This keyboard provides you with 40 exciting rhythms that you can select using the following procedure.

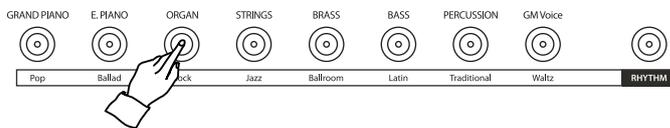
### a) Call up the RHYTHM SELECTION mode.

Press the **RHYTHM** button. The button turns on and display shows current rhythm number.



### b) Select the desired Rhythm

Press a desired rhythm button.



- ☞ Piano has total 8 rhythm groups and each group has 5 rhythm styles.
- ☞ The rhythm groups are printed under each voice button.
- ☞ When pressing a button, the lamp turns on and the pop-up display shows the location of the selected rhythm for 5 seconds as follows,
  - **Left digit of the pop-up display** lets you know the location of the selected button: 1~8
  - **Right digit of the pop-up display** lets you know the location of the rhythm of the selected button: 1 ~ 5.
- ☞ After selecting a voice, you can select one of five voice of the selected voice group by pressing the button. Also, the rhythm can be selected by pressing **DATA UP** and **DOWN** buttons.

#### POP-UP Display

The pop-up display returns to the previous display after 5 seconds.

#### Backing Up the Selected Voice.

The last selected voice in each button will be retained in memory.

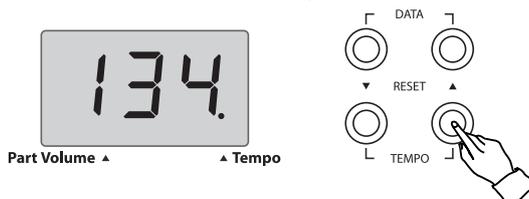
## RHYTHM LIST

Pop	Ballad	Rock	Jazz	Ballroom	Latin	Traditional	Waltz
House	16Beat Ballad	60's Rock	Big Band Mid	Beguine	Salsa	2/4 March	Waltz
Dance 8 Beat	16 Beat 1	Heavy Rock	Modern Jazz	Mambo	Samba	6/8 March	French Waltz
Disco	16 Beat 2	Rock & Roll	Jazz Club	Cha Cha	Merengue	2/4 Polka	Swing Waltz
8 Beat	6/8 Modern	Jazz Rock	Swing	Jive	Bossanova	6/8 Polka	Country Pop
NY Disco	6/8 Slow Rock	Rock Shuffle	Dixieland	HabeneraTango	Reggae	Viennese Waltz	Bluegrass

## TEMPO CONTROL ADJUSTMENT

Whenever you select a different style, the preset tempo for that style is also selected, and the tempo is shown in the Multi Function display after **STYLE SELECT** Pop-up display. (Unless you try changing the style during playback, in which case the same tempo is maintained.)

Press the **TEMPO** buttons. ( You can show current tempo in the Multi Function Display.)



☞ You can press either **TEMPO UP** or **DOWN** button briefly to decrement or increment the tempo value by one, hold the button for continuous decrementing or incrementing.

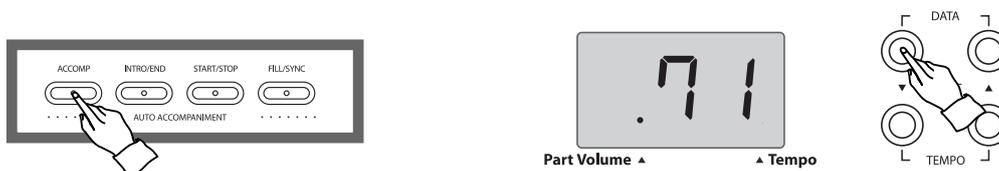
☞ **Tempo** (Range: 20 ~ 280, Default setting: Differs depending on the style.)

☞ **Restoring the Default Style Tempo**

You can restore the preset tempo for the selected Style at anytime by simultaneously pressing both **TEMPO UP** and **DOWN** buttons.

## ACCOMPANIMENT VOLUME ADJUSTMENT

Press and hold the **ACCOMP** button and adjust the level by using the **DATA UP** or **DOWN** button.



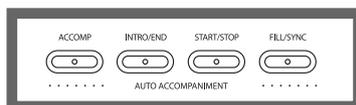
☞ If you press both **UP** and **DOWN** Keys at the same time automatically return to the default volume (70).

☞ The range of volume is 0 ~ 100.

☞ Hold the button for continuous decrementing or incrementing.

## PLAYING A RHYTHM

There are several ways to start the accompaniment style, as described.



### Straight Start

Press the **START/STOP** button. The rhythm starts with flashing lamp.

### Synchronized Start

This configures the piano so rhythm and chord accompaniment will start automatically when you press any keys within the accompaniment key range.

To use this, press the **FILL/SYNC** button and press a key or keys on lower part of the keyboard. The rhythm starts.

To cancel Synchronized Start, press the **FILL/SYNC** button again. The lamp turns off.

### Start with an introduction

This configures the piano so accompaniment starts with an intro pattern.

Press the **INTRO/END** button. The rhythm starts with an Intro pattern with flashing the lamp.

☞ Flashing the lamp stops when the pattern goes to Main Loop.

This can be used with the synchronized start.

### Stopping the Accompaniment style

To stop style playback, press the **START/STOP** button.

To playback an ending pattern before stopping, press the **INTRO/END** button during playback of rhythm.

The **INTRO/ENDING** lamp flashes during playback of ending.

If you need to cancel ending playback, press the **FILL/SYNC** button. The ending pattern stops and the main loop starts after playback of the fill pattern .

## USING THE AUTO ACCOMPANIMENT

The following procedure describes how to use the keyboard's Auto Accompaniment feature. Before starting, you should first select the rhythm you want to use and set the tempo of the rhythm to the value you want.

### Ⓐ Select a Rhythm Style.

Select the desired rhythm. (see the **SELECTING A RHYTHM** section on page 21)

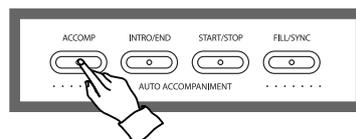
### Ⓑ Set the Tempo.

Set the desired tempo. (see the **TEMPO CONTROL ADJUSTMENT** section on page 22)

### Ⓒ Set the Auto Accompaniment function to ON.

To do this, press the **ACCOMP** button. The lamp lights.

Press the **ACCOMP** button again to turn off the lamp and set Auto Accompaniment to off.



## Auto Accompaniment

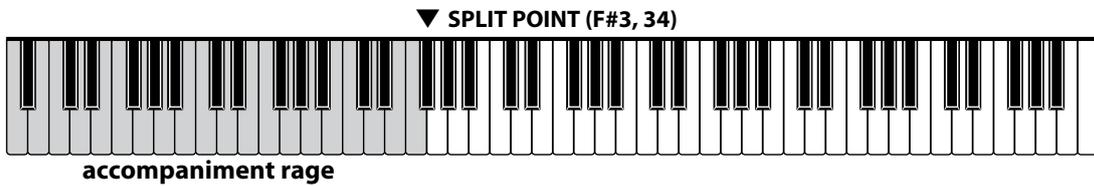
### ④ Start the Auto Accompaniment.

To start Auto Accompaniment, press START/STOP button. Alternately, press FILL/SYNC, then play the keyboard. (see the **PLAYING A RHYTHM** section on page 22~23)

### **ACCOMPANIMENT RANGE**

When accomp turns on, the keyboard is automatically divided into left and right sections. You must use the left section to play the chords and the right section to play the melody.

The split point can be changed. Press and hold down the **ACCOMP** button and press a desired split point on the keyboard.



### **HOW TO PLAY CHORD**

The piano allows you to produce accompaniment using either the single finger or fingered method.

#### **Single Finger Method**

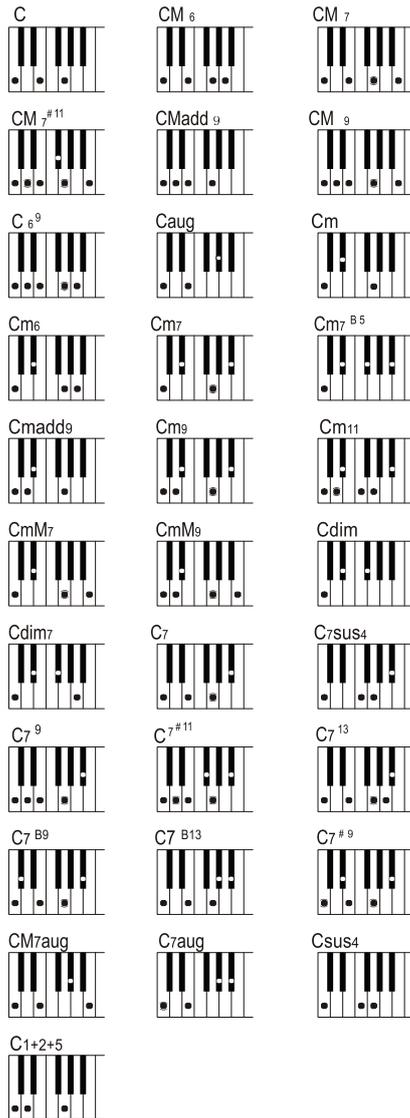
The following four chord types can be played with single finger.

CHORD	EXAMPLE	
<b>MAJOR</b> Press root note of the chord.	Play C Hear a C major chord	
<b>MINOR</b> Simultaneously press root note of the chord and the nearest black key to the left of it.	Play Cm Hear a C minor chord	
<b>SEVENTH</b> Simultaneously press root note of the chord and the nearest white key to the left of it.	Play C7 Hear a C 7th chord	
<b>MINOR SEVENTH</b> Simultaneously press root note of the chord, the nearest white key and black to the left of it. (three keys)	Play Cm7 Hear a C minor 7th chord	

**Fingered Method**

The chord types below can be played with Fingered method. For a fingering chart showing all chords in the example key of C.

**Example for “c” chords**



- Major [M]
- Sixth [6]
- Major seventh [M7]
- Major seventh sharp eleventh [M7#11]
- Added ninth [add9]
- Major ninth [M9]
- Six ninth[6 (9)]
- Augmented [aug]
- Minor [m]
- Minor sixth [m6]
- Minor seventh [m7]
- Minor ninth flatted fifth [m7b5]
- Minor added ninth [m add9]
- Minor ninth [m9]
- Minor eleventh [m11]
- Minor major seventh [mM7]
- Minor major ninth [mM9]
- Diminished [dim]
- Diminished seventh [dim7]
- Seventh [7]
- Seventh suspended fourth [7sus4]
- Seventh ninth [7 9]
- Seventh sharp eleventh [7#11]
- Seventh added thirteenth [7 13]
- Seventh flatted ninth [7b9]
- Seventh flatted thirteenth [7b13]
- Seventh sharp ninth [7#9]
- Augumented major seventh [M7aug]
- Augumented seventh [7aug]
- Suspended fourth [sus4]
- [1+2+5]

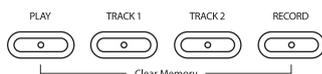
The chord fingerings listed are all in root position, but other inversions can be use with the following exceptions:6, m6, sus4, aug, dim7, 6(9), m7(11), 1+2+5.

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# Recording

The piano features comprehensive song recording functions that allow you to record your own performance.



## Ⓐ Prepare recording to track 1

Select the desired voice and press both the **RECORD** and the **TRACK 1** buttons. The record button turns on and the track 1 button flashes.

Auto Accompaniment styles can be recorded into the **TRACK1**. You can also use the **LAYER** and the **SPLIT** functions when you record a song.

## Ⓑ Start recording to the Track1.

Recording starts when playing the keyboard or pressing the **PLAY** button. Both buttons flash.

☞ When record of the track1 starts, old data of the track 1 is deleted.

## Ⓒ Stop recording to the Track1.

Recording stops when pressing the **TRACK1** button or **RECORD** button.

The record button turns off and the track 1 button turns on.

If you want to hear the recorded song in the Track1, press the **PLAY** button.

Playback of the track1 starts with flashing the play button.

## Ⓓ Start recording to Track2.

Press both the **RECORD** and **TRACK 2** button. The record button turns on and the track2 button flashes.

Recording starts when playing the keyboard or pressing the **PLAY** button.

Accompaniment cannot be recorded into the track2.

☞ If you want to hear playback of the track1, turn on the track1 by pressing the **TRACK1** button. If not, turns off the track1.

☞ Each track independently can be played.

## Ⓔ Stop recording to the Track2.

Recording stops when pressing the **TRACK2** button or **RECORD** button.

The record button turns off and the track 2 button turns on.

If you want to hear the recorded song in the track2, press the **PLAY** button.

Playback of the track2 starts with flashing the play button.

## Ⓕ Playback the recorded song.

Press the **PLAY** button. Playback of the recorded song starts.

☞ If there is a recorded song in the track memory, the track lamp lights and

☞ If you turn off a track, piano does not play the track.

## Ⓖ Stop playback of the recorded song.

Press the **PLAY** button again. Playback of the recorded song stops.

### **CLEARING RECORD MEMORY**

Press both **RECORD** and **PLAY** buttons. The recorded data is deleted in the tracks.

☞ When you recorded a new song into a track, old data is deleted in the track.

☞ **Backing Up the recorded song.** Even if the power turns off, the recorded song memory is not deleted.

# General MIDI Voice & Drum Table

GM #	VOICE	GM #	VOICE
001	Piano1	065	Soprano Saxophone
002	Piano2	066	Alto Saxophone
003	Piano3	067	Tenor Saxophone
004	Honky Tonk	068	Baritone Saxophone
005	Electric Piano 1	069	Oboe
006	Electric Piano 2	070	English Horn
007	Harpsichord	071	Bassoon
008	Clavinet	072	Clarinet
009	Celesta	073	Piccolo
010	Glockenspiel	074	Flute
011	Music Box	075	Recorder
012	Vibraphone	076	Pan Flute
013	Marimba	077	Bottle Blow
014	Xylophone	078	Shakuhachi
015	Tubular Bell	079	Whistle
016	Dulcimer	080	Ocarina
017	Electric Organ	081	Square
018	Jazz Organ	082	Sawtooth
019	Rock Organ	083	Calliope
020	Pipe Organ	084	Chiffer
021	Reed Organ	085	Charang
022	Accordion	086	Solo Vox
023	Harmonica	087	Fifths
024	Bandonion	088	Bass Lead
025	Nylon Guitar	089	Fantasia
026	Steel Guitar	090	Warm Pad
027	Jazz Guitar	091	Poly Synth
028	Clean Guitar	092	Space Vox
029	Muted Guitar	093	Bow Glass
030	Drive Guitar	094	Metal Pad
031	Lead Guitar	095	Halo Pad
032	Harmonic Guitar	096	Sweep Pad
033	Acoustic Bass	097	Ice Rain
034	Finger Bass	098	Sound Track
035	Pick Bass	099	Crystal
036	Fretless Bass	100	Atmosphere
037	Slap Bass1	101	Brightness
038	Slap Bass2	102	Goblin
039	Synth Bass1	103	Echo Drop
040	Synth Bass2	104	Star Theme
041	Violin	105	Sitar
042	Viola	106	Banjo
043	Cello	107	Shamishen
044	Contra Bass	108	Koto
045	Tremolo Strings	109	Kalimba
046	Pizzicato Strings	110	Bagpipe
047	Harp	111	Fiddle
048	Timpani	112	Shanai
049	Strings	113	Tinkle Bell
050	Slow Strings	114	Agogo
051	Synth Strings 1	115	Steel Drum
052	Synth Strings 2	116	Wood Block
053	Choir Aahs	117	Taiko
054	Voice Oohs	118	Melody Tom
055	Synth Voice	119	Synth Drum
056	Orchestra Hit	120	Reversed Cymbal
057	Trumpet	121	Guitar Noise
058	Trombone	122	Breath Noise
059	Tuba	123	Sea Shore
060	Muted Trumpet	124	Birds
061	French Horn	125	Telephone
062	Brass Section	126	Helicopter
063	Synth Brass 1	127	Applause
064	Synth Brass 2	128	Gunshot

## General MIDI Voice & Drum Table

PC# Display	Prog 1 Standard Drum (7 - 1)	Prog 9 Room Drum	Prog 17 Power Drum	Prog 25 Elec. Drum (7 - 2)	Prog 26 TR-808 (7 - 3)
18 - D#2	Brush Slap				
19 - E2	Brush Tap Swrl				
20 - F2	Snare Roll				
21 - F#2	Castanet				
22 - G2	Snare Soft				
23 - G#2	Sticks				
24 - A2	Kick Soft				
25 - A#2	Open Rim Shot				
26 - B2	Kick drum2	Jazz BD2			
27 - C3	Kick drum1	Jazz BD1	Power Kick	Elec BD	808 Bass Drum
28 - C#3	Side Stick				808 Rim shot
29 - D3	Snare Drum 1		Gated Snare	Elec SD	808 Snare Drum
30 - D#3	Hand Clap				
31 - E3	Snare Drum 2				
32 - F3	Low Floor Tom	Room Low Tom2	Room Low Tom2	Elec Low Tom2	808 Low Tom2
33 - F#3	Closed Hi Hat [EXC1]				808 CHH[EXC1]
34 - G3	High Floor Tom	Room Low Tom1	Room Low Tom1	Elec Low Tom1	808 Low Tom2
35 - G#3	Pedal Hi-Hat [EXC1]				808 CHH[EXC1]
36 - A3	Low Tom	Room Mid Tom2	Room Mid Tom2	Elec Mid Tom2	808 Mid Tom2
37 - A#3	Open Hi-Hat [EXC1]				808 OHH[EXC1]
38 - B3	Low-Mid Tom	Room Mid Tom1	Room Mid Tom1	Elec Mid Tom1	808 Mid Tom1
39 - C4	Hi Mid Tom	Room Hi Tom2	Room Hi Tom2	Elec Hi Tom2	808 Hi Tom2
40 - C#4	Crash Cymbal 1				808 Cymbal
41 - D4	High Tom	Room Hi Tom1	Room Hi Tom1	Elec Hi Tom1	808 Hi Tom1
42 - D#4	Ride Cymbal 1				
43 - E4	Chinese Cymbal			Reverse Cymbal	
44 - F4	Ride Bell				
45 - F#4	Tambourine				
46 - G4	Splash Cymbal				
47 - G#4	Cowbell				808 Cowbell
48 - A4	Crash Cymbal2				
49 - A#4	Vibraslap				
50 - B4	Ride Cymbal2				
51 - C5	Hi Bongo				
52 - C#5	Low Bongo				
53 - D5	Mute Hi Conga				808 High Conga
54 - D#5	Open Hi Conga				808 Mid Conga
55 - E5	Low Conga				808 Low Conga
56 - F5	High Timbale				
57 - F#5	Low Timbale				
58 - G5	High Timbale				
59 - G#5	Low Agogo				
60 - A5	Cabasa				
61 - A#5	Maracas				
62 - B5	Short Whistle[EXC2]				808 Maracas
63 - C6	Long Whistle[EXC2]				
64 - C#6	Short Guiro[EXC3]				
65 - D6	Long Guiro[EXC3]				
66 - D#6	Claves				808 Claves
67 - E6	Hi Wood Block				
68 - F6	Low Wood Block				
69 - F#6	Mute Cuica[EXC4]				
70 - G6	Open Cuica[EXC4]				
71 - G#6	Mute Triangle[EXC5]				
72 - A6	Open Triangle[EXC5]				
73 - A#6	Shaker				
74 - B6	Jingle Bell				
75 - C7	Belltree				
76 - C#7					
77 - D7					
78 - D#7					
79 - E7					

## General MIDI Voice & Drum Table

PC # (Display)	Prog 33 Jazz Drum	Prog 41 Brush Drum	Prog 49 Orchestra (7 - 4)	Prog 57 SFX (7 - 5)	REMARKS
18 - D#2			Closed Hi Hat		
19 - E2			Pedal Hi-Hat		
20 - F2			Open Hi Hat		
21 - F#2			Ride Cymbal		
22 - G2					
23 - G#2					
24 - A2					
25 - A#2					
26 - B2	Jazz BD2	Jazz BD2	Concert BD 2		
27 - C3	Jazz BD1	Jazz BD1	Concert BD1		
28 - C#3					
29 - D3		Brush Tap	Concert SD		
30 - D#3		Brush Slap	Castanets	High Q	
31 - E3		Brush Swirl	Concert SD	Slap	
32 - F3			Timpani F	Scratch Push	
33 - F#3				Scratch Pull	
34 - G3			Timpani G	Sticks	
35 - G#3				Square Click	
36 - A3			Timpani A	Metronome Click	
37 - A#3				Metronome Bell	
38 - B3			Timpani B	Guitar Slide	
39 - C4			Timpani c	Gt Cut Noise(dw)	
40 - C#4				Gt Cut Noise (up)	
41 - D4			Timpani d	Double Bass Slap	
42 - D#4				Key Click	
43 - E4				Laughing	
44 - F4				Screaming	
45 - F#4				Punch	
46 - G4				Heart Beat	
47 - G#4				Footsteps1	
48 - A4			Concert Cymbal2	Footsteps2	
49 - A#4				Applause	
50 - B4			Concert Cymbal1	Door Creaking	
51 - C5				Door Closing	
52 - C#5				Scratch	
53 - D5				Wind Chime	
54 - D#5				Car Engine Start	
55 - E5				Car Breaking	
56 - F5				Car Pass	
57 - F#5				Car Crash	
58 - G5				Police Siren	
59 - G#5				Train	
60 - A5				Jet Take-off	
61 - A#5				Helicopter	
62 - B5				Starship	
63 - C6				Gun Shot	
64 - C#6				Machine gun	
65 - D6				Laser gun	
66 - D#6				Explosion	
67 - E6				Dog	
68 - F6				Horse Gallop	
69 - F#6				Birds	
70 - G6				Rain	
71 - G#6				Thunder	
72 - A6				Wind	
73 - A#6				Sea Shore	
74 - B6				Stream	
75 - C7				Bubble	
76 - C#7					
77 - D7					
78 - D#7					
79 - E7					

MIDI Implementation Chart

# MIDI Implementation Chart

Function		Recognized	Transmitted	Remark
Basic Channel	Default	ALL	1 -3, 10	
Mode	Default	OMNI OFF, POLY	OMNI OFF, POLY	
Note ON/OFF	9nH kk vv	O	O	#kk:note ON (0-127) #vv:velocity (1-127)
Pitch Bender	EnH bi bh	O	X	Maximum swing +/- 1 tone
Control Change	00 BnH 00H cc	O	X	Bank Select
	01 BnH 01H cc	O	X	Modulation Wheel
	05 BnH 05H cc	O	X	Portamento Time
	06 BnH 06H cc	O	X	Data Entry
	07 BnH 07H cc	O	X	Volume
	10 BnH 0AH cc	O	X	Pan Out
	11 BnH 0BH cc	O	X	Expression
	64 BnH 40H cc	O	O	Sustain (Damper) Pedal
	65 BnH 41H cc	O	X	Portamento ON/OFF
	66 BnH 42H cc	O	O	Sostenuto Pedal
	67 BnH 43H cc	O	O	Soft Pedal
	80 BnH 80H vv	O	X	Prog.(v=00H-70H)
	81 BnH 51H vv	O	X	Chorus Prog.
	91 BnH 5BH vv	O	X	Reverb Send Level
	93 BnH 5DH vv	O	X	Chorus Send Level
	120 BnH 78H 00H	O	X	All Sound Off
	121 BnH 79H 00H	O	X	Reset All Controller
123 BnH 7BH 00H	O	X	All Notes Off	
126 BnH 7EH 00H	O	X	Mono On	
127 BnH 7FH 00H	O	X	Poly On	
Program Change	CnH PP	O	O	Sounds/Drum Set List
System Exclusive	General MIDI Reset	O	X	

O:Yes, X:No

※ Be sure to check to following table whenever you encounter problems with the DIGITAL PIANO operation.

<b>PROBLEM</b>	<b>CAUSE</b>	<b>SOLUTION</b>
<b>No sound</b>	1. Power supply problem.  2. Volume setting is too low. 3. Headphone is plugged in.	1. Check the power cord whether it's properly in AC outlet.  2. Adjust the volume. 3. Unplug the headphone.
<b>Occasional interference</b>	1. Refrigerators, washing machines and similar electric appliances are interfering.	1. Use outlet as far away as possible from appliance thought to be the cause.
<b>No sound when connected to external amplifier.</b>	1. Volume setting is too low. 2. Defective connection cord.	1. Adjust the volume. 2. Replace connection cord.

## Specifications

<b>Section</b>	<b>Contents</b>
<b>PRODUCT</b>	HIGH PERFORMANCE DIGITAL PIANO
<b>KEYBOARD</b>	88 KEYS (STANDARD) - 7 1/4 OCTAVES
<b>TOUCH RESPONSE</b>	OFF, HARD, SOFT, NORMAL
<b>MAX. POLYPHONY</b>	64NOTES
<b>SOUND</b>	GENERAL MIDI 128 VOICES 4 DRUM KIT, 1 SOUND EFFECT SET
<b>ACCOMPANIMENT STYLE</b>	40 RHYTHM STYLES
<b>ACCOMPANIMENT MODE</b>	MULTI FINGERED
<b>ACCOMPANIMENT CONTROLS</b>	START/STOP, INTRO/ENDING, FILL/SYCN
<b>FUNCTIONS</b>	LAYER, SPLIT, TUNE, TRANSPOSE, OCTAVE
<b>DIGITAL SIGNAL PROCESSING</b>	CHORUS(13), REVERB(8)
<b>METRONOME</b>	YES
<b>DISPLAY</b>	LED MULTI FUNCTION DISPLAY
<b>DEMO</b>	8 TUNES
<b>RECORD</b>	REAL-TIME-RECORDING 2 TRACKS MAX. 7,000 NOTES/TR
<b>VOLUME CONTROLS</b>	MAIN, ACCOMPANIMENT, LAYER, SPLIT, DEMO, METRONOME
<b>I/O TERMINALS</b>	USB TO HOST (USB MIDI/USB AUDIO) STEREO LINE IN, STEREO LINE OUT, PEDAL IN 2 HEADPHONE JACKS
<b>SPEAKER</b>	2 INCHES × 2, 6INCH x 2 (STEREO 15W + 150W)
<b>POWER</b>	DC IN
<b>POWER CONSUMPTION</b>	60W
<b>DIMENSIONS (W x D x H)</b>	1410mm × 510 mm × 880mm
<b>WEIGHT</b>	59 Kgs
<b>ACCESSORY</b>	OWNER' S MANUAL





Part No. D1650 rev. 1.0