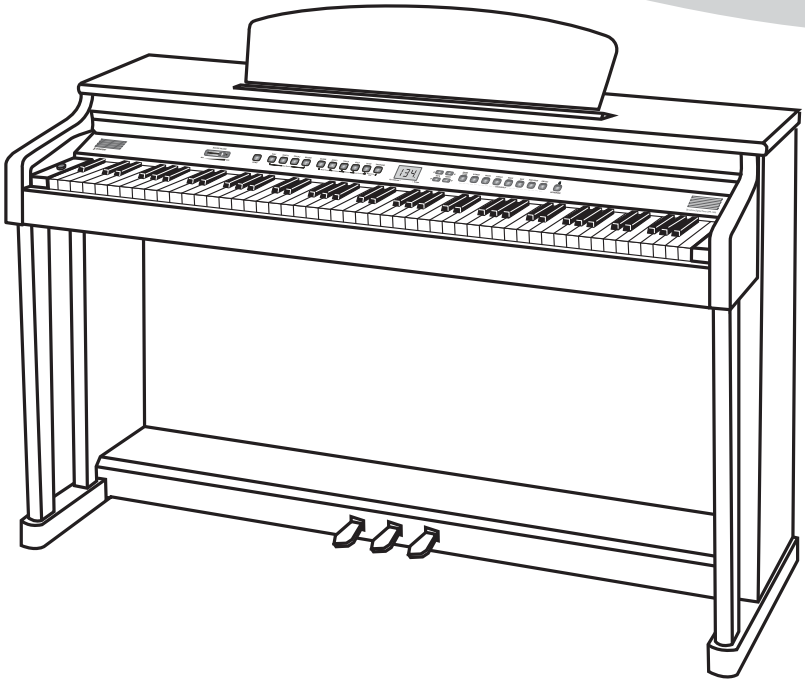
DYNATONE

OWNER'S MANUAL

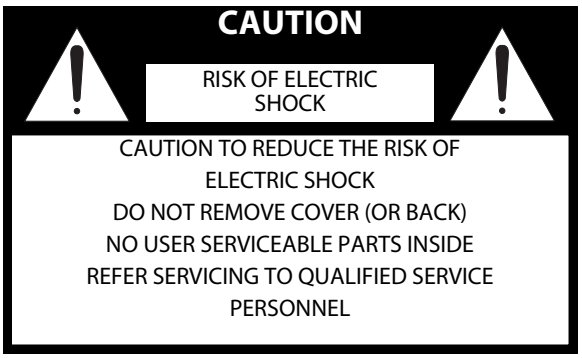


High Performance Digital Piano DPR-1500

New feel, new look and new sound

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 in the literature accompanying this appliance.
All information should be read carefully to avoid misuse of product.

INFORMATION TO THE USER

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, sing 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.

· 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 heating 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.

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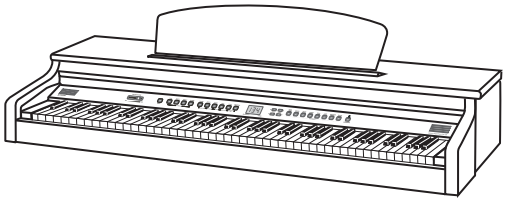
Unpacking

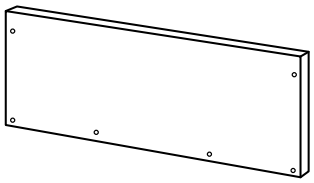
Carefully remove the Digital Piano and its accessories from the packing box. The Digital Piano set consists of the following items.

[[PIANO BOX]

Piano Body

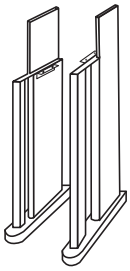


Rear Plate (d)



[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)

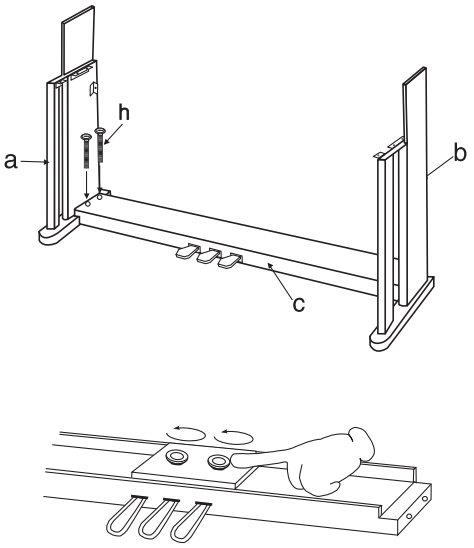
Four caps
for legs (k)

☞ 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

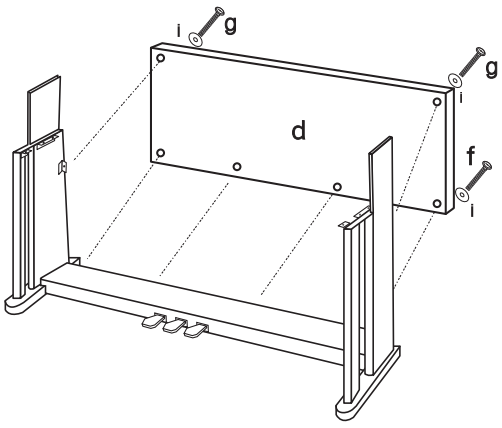


Securely attach both Legs(a,b) to the Pedal box(c) assembly using four Bolts(h)

Before assembling pedal box, untie the pedal cable in the pedal box.

For pedal stability, rotate the adjusters on the bottom of the pedal assembly unit they come into firm, contact with the floor surface. Refer to left illustration.

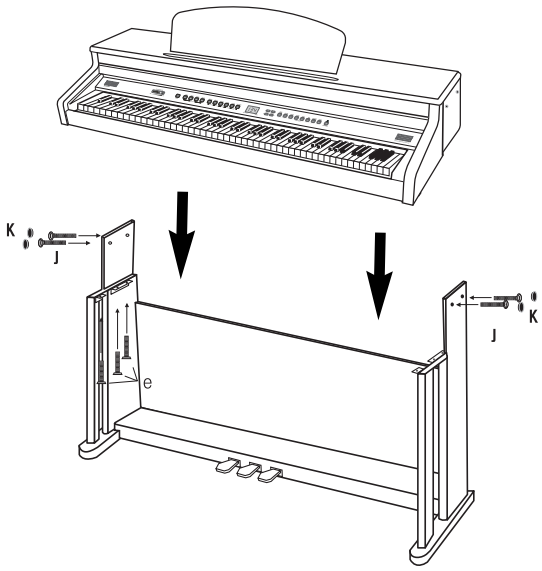
2. Assembling the stand



Attach the Rear plate(d) to both left and right legs and pedal box using four self-tapping screws(f) and two screws(g) for rear plate with six washers (i).

After attaching the rear plate to the legs, set the stand upright
and make sure the stand is level.

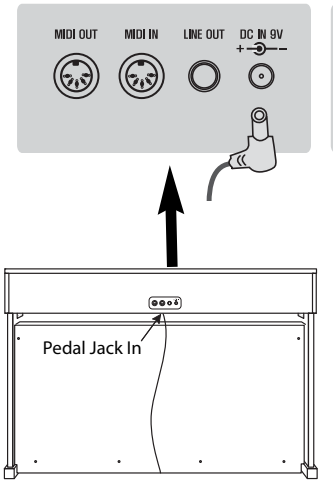
3. Attaching the main unit and stand



Set the stand upright and gently lower the main unit on the stand.
Attach the main unit to the stand using the six bolts (e) and four bolts(j) as shown in the illustration.

After attaching main unit, put four caps (k)onto four holes of the both legs.

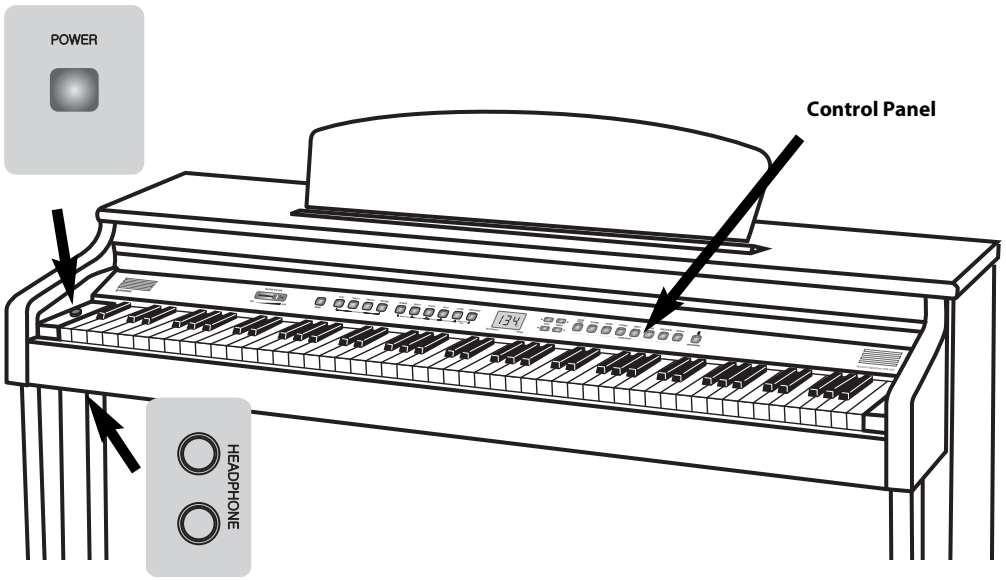
4. Connecting the pedal cord.



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 AC cord of the AC adapter into a standard AC outlet.

Connecting the Pedal Cord.
Plug Pedal cord which is protruding from the top of the pedal assembly into the corresponding port on bottom of the main unit.

Controls and Terminals



POWER SWITCH

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 AC cord of the AC adapter into a standard AC outlet.

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

Connecting the power cable. First insert the plug of the power cable into the AC connector on the piano, then plug the other end of the cable into the proper AC outlet on the wall.

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

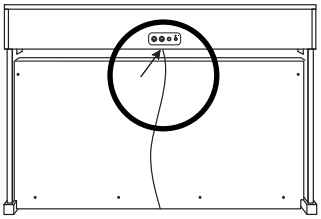
☞ Adjust the volume by using **MASTER VOLUME**.
☞ Press **POWER** switch again when turning off the power. All lamps and LED display will turn off.

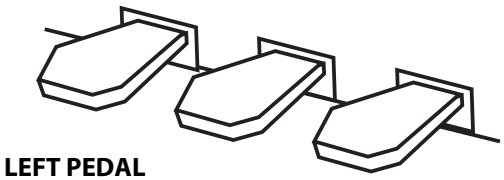
USING HEADPHONE

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.

CONNECTING THE PEDAL





Connecting the pedal cord.

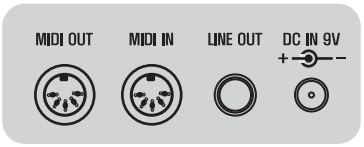
Insert the pedal plug into the pedal connector on bottom of the piano.

☞ **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.

☞ **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.

☞ **LEFT PEDAL (Soft Pedal)**
Depressing the pedal softens the sound of the notes being played.

REAR PANEL



Connecting the external MIDI devices (MIDI Terminals)

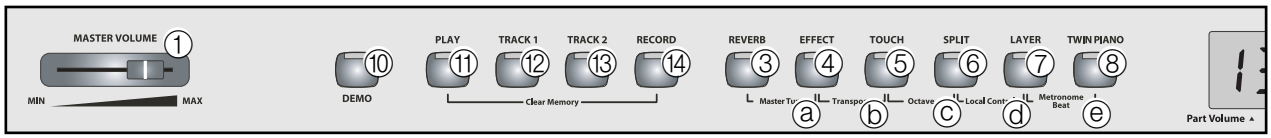
Use the built-in **MIDI** terminals and standard MIDI cables to connect external MIDI devices.

MIDI IN Receives MIDI messages from an external MIDI device.
MIDI OUT Transmits MIDI messages generated by the instrument.

☞ **What's MIDI?**

MIDI(Musical Instrument Digital Interface) is the international standard for digital communication of electronic musical instrument data.
This means that any equipment that has a MIDI terminal (such as electronic musical instruments or personal computers) can easily exchange digital data with other MIDI equipment without complicated conversions or connections.

CONTROL PANEL

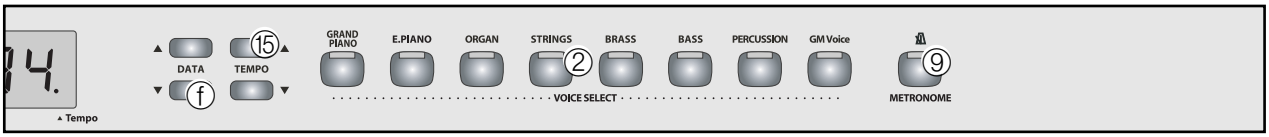


VOICE SECTION

① MASTER VOLUME ..... Page 12
② VOICE buttons ..... Page 14
③ REVERB ..... Page 15
④ EFFECT ..... Page 16
⑤ TOUCH ..... Page 16
⑥ SPLIT ..... Page 17
⑦ LAYER ..... Page 17
⑧ TWIN PIANO ..... Page 18
⑨ METRONOME ..... Page 18

PLAYER SECTION

⑩ DEMO ..... Page 13
⑪ PLAY ..... Page 13, 21
⑫ TRACK1 ..... Page 21
⑬ TRACK2 ..... Page 21
⑭ RECORD ..... Page 21
⑮ TEMPO UP/DOWN ..... Page 13,18



FUNCTION SECTION

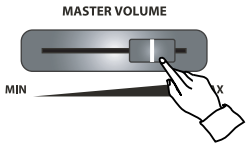
ⓐ MASTER TUNE ..... Page 19
ⓑ TRANSPOSE ..... Page 19
ⓒ OCTAVE ..... Page 20
ⓓ LOCAL CONTROL ..... Page 20
ⓔ METRONOME BEAT ..... Page 20
ⓕ DATA UP/DOWN

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.

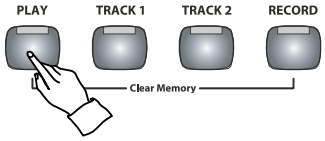


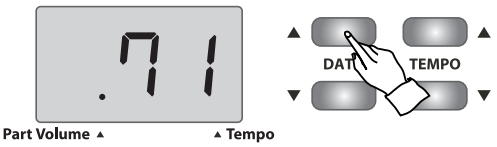
☞ This also determines the volume level of the **HEADPHONE(s)**.

ADJUSTING PART VOLUME

The part volume of 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.





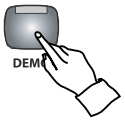
☞ When pressing the DATA UP or DOWN button, the display shows the selected part volume and the part volume dot on the display is on.

Demo Music

There are 8 demo music in the piano.

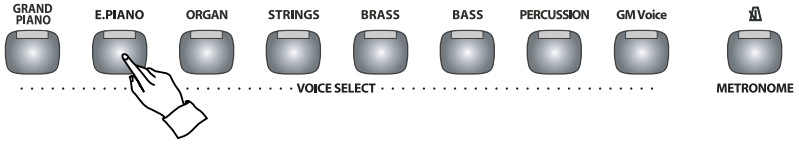
ⓐ Go to the demo mode.

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



ⓑ 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 repeating a Demo music, tempo goes to default tempo.
2) If you press both **TEMPO UP** and **DOWN** buttons, tempo is set to default tempo.

☞ **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

ⓑ 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

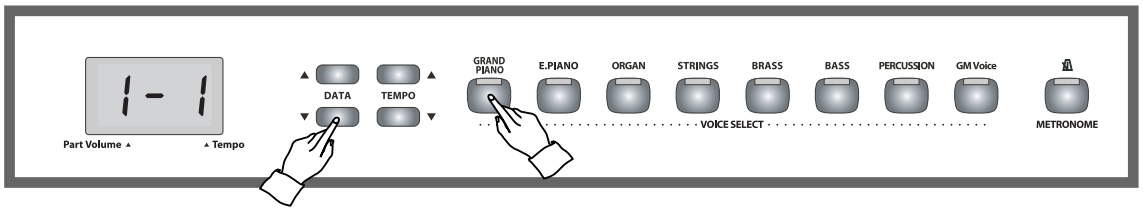
The piano features a wealth of rich, authentic voices, including piano, strings and brass instruments. It also features a keyboard percussion function that lets you play realistic drum, percussion sounds, and various effect sounds directly from keyboard.

Voice Types

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

ⓐ 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	Jazz	
Vibraphone	SW Wave	Accordion	SynthStr. 2	Pan Flute	SynBass2	SFX1	

ⓑ Play the selected voice.

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

GM Voice

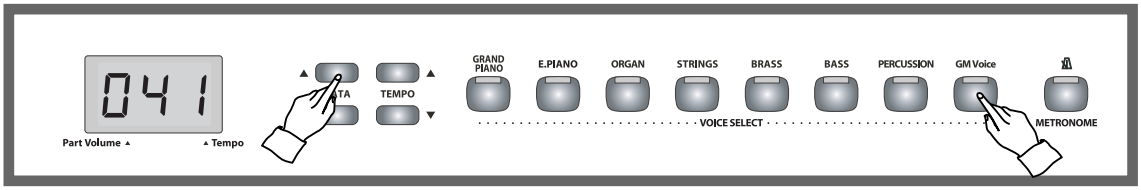
There are 128 different voices in the piano. When the **GM VOICE** button is selected, one of 128 GM voices can be assigned.

CHANGING GM VOICE BY DATA BUTTONS.

ⓐ Press the GM VOICE button.

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

☞ Default GM voice: 041 Violin



ⓑ 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.

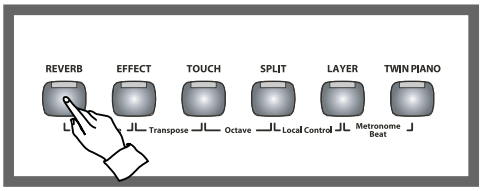
☞ See the **GM VOICE TABLE** on page 27 in this manual.

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** : ROOM 1(default), **r-2** : ROOM 2, **r-3** : ROOM 3, **r-4** : HALL 1, **r-5**: HALL 2, **r-6**: PLATE, **r-7**: DELAY, **r-8**: PAN DELAY

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 (60).

☞ The range of volume is 0 ~ 100.

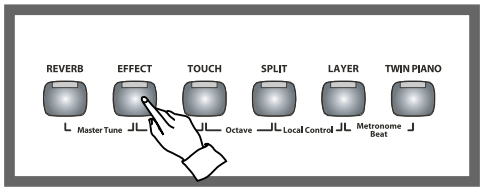
☞ Hold the button for continuous decrementing or incrementing.

Effect

This control adds richness to the sound. There are four different Chorus types: Chorus 1, 2, 3, 4 , Feedback, Flanger Short delay and Feedback Delay.

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**: Feedback, **C-6**: Flanger, **C-7**: Short Delay, **C-8**: Feedback Delay

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 (60).
- ☞ The range of volume is 0 ~ 100.
- ☞ Hold the button for continuous decrementing or incrementing.

Touch

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 **TOUCH UP** and **DOWN** buttons.
- ☞ The default value is 2, which is normal touch
- ☞ Whenever press both **TOUCH UP** and **DOWN** buttons, default value ' 5' 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.

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.

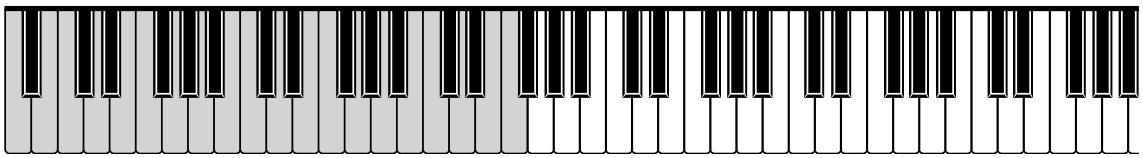
Select a voice in the normal way. (see the **SELECTING VOICE** section on page 14)

ⓑ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#)

▼ Split point (F3#)



ⓒ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.
☞ 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.

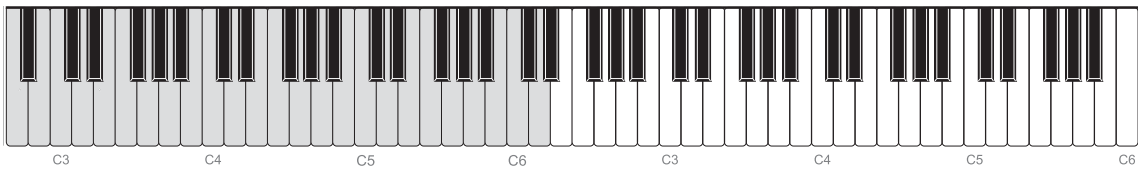
☞ If you press both **UP** and **DOWN** Keys at the same time automatically return to the default volume (80).

Twin Piano

Splitting the Piano Keyboard into two sections for twin piano performance.
The keyboard can be divided into two separate sections, allowing for two people to perform in the same octave.

PLAYING WITH THE TWIN PIANO

Press the TWIN PIANO button.
The keyboard splits two sections, which have same octave.



To turn off the twin piano performance, press the TWIN PIANO button again.
The twin piano performance turns off and the lamp goes out.
☞ This function can not be used with the layer and split functions.

Using the Metronome

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

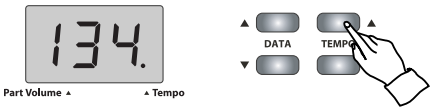
START/STOP OF THE METRONOME

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.



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

SELECTING THE BEAT

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

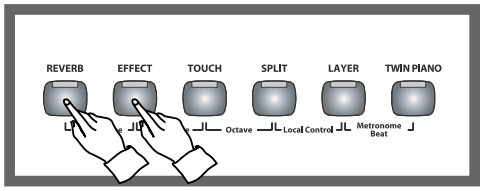
☞ The Metronome Beat pop-up display appears and shows current beat of the metronome for 5 seconds.
☞ Change the metronome beat by using the **DATA UP** or **DOWN** button.
☞ Metronome beat can be select one of 8 preset beats (1/4, 2/4, 3/4, 4/4(default), 6/4, 3/8, 6/8, 7/7, 9/8, 12/8, 2/2).

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)

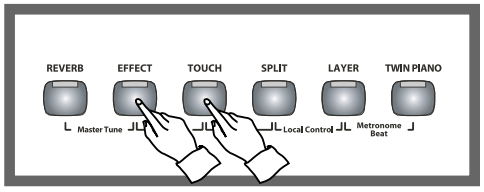


- ☞ The Tune pop-up display appears and shows current value.
- ☞ The value can be changed by pressing **DATA UP** or **DOWN** button.
- ☞ If you press both **UP** and **DOWN** buttons at the same time automatically return to the default value.
- ☞ **Range**: A3 440Hz ± 63 cents (Default 00)
- ☞ **Hz(Hertz)**
  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)

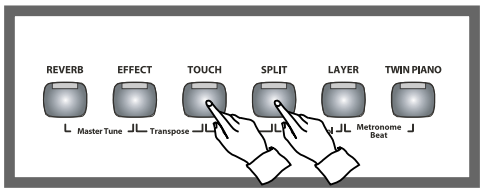


- ☞ The Transpose pop-up display appears and shows current value.
- ☞ The value can be changed by pressing **DATA UP** or **DOWN** button.
- ☞ If you press both **UP** and **DOWN** buttons at the same time automatically return to the default value.
- ☞ **Range**: -12 semi-note ~ 0 ~ 12 semi-note (Default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

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)



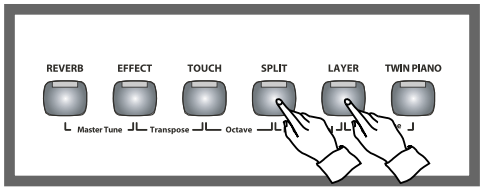
☞ The Octave shift pop-up display appears and shows current value.
☞ The value can be changed by pressing **DATA UP** or **DOWN** button.
☞ This function works for only main voice.
☞ If you press both **UP** and **DOWN** buttons at the same time automatically return to the default value.
☞ **Range**: -1 ~0 ~+1 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.



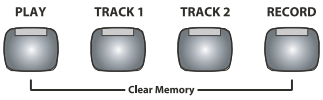
METRONOME BEAT

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, 7/7, 9/8, 12/8, 2/2).
☞ **Backing Up adjusted value.** The last adjusted value of each Function can be retained in memory.

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 1button 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 tack1 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	Basson
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 Strings1	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	144	Birds
061	French Horn	125	Telephone
062	Brass Section	126	Helicopter
063	Synth Brass1	127	Applause
064	Synth Brass2	128	Gunshot

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)
27 - D#2	High Q				
28 - E2	Slap				
29 - F2	Scratch Push				
30 - F#2	Scratch Pull				
31 - G2	Sticks				
32 - G#2	Square Click				
33 - A2	Metronome Click				
34 - A#2	Metronome Bell				
35 - B2	Kick drum2/Jazz BD2				
36 - C3	Kick drum1/Jazz BD1		Power Kick	Elec BD	808 Bass Drum
37 - C#3	Side Stick				808 Rim shot
38 - D3	Snare Drum1		Gated Snare	Elec SD	808 Snare Drum
39 - D#3	Hand Clap				
40 - E3	Snare Drum 2				
41 - F3	Low Floor Tom	Room Low Tom2	Room Low Tom2	Elec Low Tom2	808 Low Tom2
42 - F#3	Closed Hi Hat [EXC1]				808 CHH[EXC1]
43 - G3	High Floor Tom	Room Low Tom1	Room Low Tom1	Elec Low Tom1	808 Low Tom2
44 - G#3	Pedal Hi-Hat [EXC1]				808 CHH[EXC1]
45 - A3	Low Tom	Room Mid Tom2	Room Mid Tom2	Elec Mid Tom2	808 Mid Tom2
46 - A#3	Open Hi-Hat [EXC1]				808 OHH[EXC1]
47 - B3	Low-Mid Tom	Room Mid Tom1	Room Mid Tom1	Elec Mid Tom1	808 Mid Tom1
48 - C4	Hi Mid Tom	Room Hi Tom2	Room Hi Tom2	Elec Hi Tom2	808 Hi Tom2
49 - C#4	Crash Cymbal 1				808 Cymbal
50 - D4	High Tom	Room Hi Tom1	Room Hi Tom1	Elec Hi Tom1	808 Hi Tom1
51 - D#4	Ride Cymbal 1				
52 - E4	Chinese Cymbal			Reverse Cymbal	
53 - F4	Ride Bell				
54 - F#4	Tambourine				
55 - G4	Splash Cymbal				
56 - G#4	Cowbell				808 Cowbell
57 - A4	Crash Cymbal2				
58 - A#4	Vibraslap				
59 - B4	Ride Cymbal2				
60 - C5	Hi Bongo				
61 - C#5	Low Bongo				
62 - D5	Mute Hi Conga				808 High Conga
63 - D#5	Open Hi Conga				808 Mid Conga
64 - E5	Low Conga				808 Low Conga
65 - F5	High Timbale				
66 - F#5	Low Timbale				
67 - G5	High Timbale				
68 - G#5	Low Agogo				
69 - A5	Cabasa				
70 - A#5	Maracas				
71 - B5	Short Whistle[EXC2]				808 Maracas
72 - C6	Long Whistle[EXC2]				
73 - C#6	Short Guiro[EXC3]				
74 - D6	Long Guiro[EXC3]				
75 - D#6	Claves				808 Claves
76 - E6	Hi Wood Block				
77 - F6	Low Wood Block				
78 - F#6	Mute Cuica[EXC4]				
79 - G6	Open Cuica[EXC4]				
80 - G#6	Mute Triangle[EXC5]				
81 - A6	Open Triangle[EXC5]				
82 - A#6	Shaker				
83 - B7	Jingle Bell				
84 - C8	Belltree				
85 - C#8	Castanets				
86 - D8	Mute Surdo[EXC6]				
87 - D#8	Open Surdo[EXC6]				
88 - E8					

General MIDI Voice & Drum Table

PC # (Display)	Prog 33 Jazz Drum	Prog 41 Brush Drum (7 - 4)	Prog 49 Orchestra	Prog 57 SFX 1 (7 - 5)	REMARKS
27 - D#1			Closed Hi Hat		
28 - E1			Pedal Hi-Hat		
29 - F1			Open Hi Hat		
30 - F#1			Ride Cymbal		
31 - G1					
32 - G#1					
33 - A1					
34 - A#1					
35 - B1	Jazz BD2	Jazz BD2	Concert BD 2		
36 - C2	Jazz BD1	Jazz BD1	Concert BD1		
37 - C#2					
38 - D2		Brush Tap	Concert SD		
39 - D#2		Brush Slap	Castanets	High Q	
40 - E2		Brush Swirl	Concert SD	Slap	
41 - F2			Timpani F	Scratch Push	
42 - F#2			Timpani F#	Scratch Pull	
43 - G2			Timpani G	Sticks	
44 - G#2			Timpani G#	Square Click	
45 - A2			Timpani A	Metronome Click	
46 - A#2			Timpani A#	Metronome Bell	
47 - B2			Timpani B	Guitar Slide	
48 - C3			Timpani c	Gt Cut Noise(dw)	
49 - C#3			Timpani c#	Gt Cut Noise (up)	
50 - D3			Timpani d	Double Bass Slap	
51 - D#3			Timpani d#	Key Click	
52 - E3			Timpani e	Laughing	
53 - F3			Timpani f	Screaming	
54 - F#3				Punch	
55 - G3				Heart Beat	
56 - G#3				Footsteps1	
57 - A3			Concert Cymbal2	Footsteps2	
58 - A#3				Applause	
59 - B3			Concert Cymbal1	Door Creaking	
60 - C4				Door Closing	
61 - C#4				Scratch	
62 - D4				Wind Chime	
63 - D#4				Car Engine Start	
64 - E4				Car Breaking	
65 - F4				Car Pass	
66 - F#4				Car Crash	
67 - G4				Police Siren	
68 - G#4				Train	
69 - A4				Jet Take-off	
70 - A#4				Helicopter	
71 - B4				Starship	
72 - C5				Gun Shot	
73 - C#5				Machine gun	
74 - D5				Laser gun	
75 - D#5				Explosion	
76 - E5				Dog	
77 - F5				Horse Gallop	
78 - F#5				Birds	
79 - G5				Rain	
80 - G#5				Thunder	
81 - A5				Wind	
82 - A#5				Sea Shore	
83 - B5				Stream	
84 - C6				Bubble	
85 - C#6					
86 - D6					
87 - D#6					
88 - E6					

MIDI Implementation Chart

Function		Recognized	Transmitted	Remark
Basic Channel	Default	ALL	1 -3	
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	O	Maximum swing +/- 1 tone
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
Control 67	BnH 43H cc	O	O	Soft Pedal
Change 80	BnH 80H vv	O	X	Prog.(vv=00H-70H)
81	BnH 51H vv	O	X	Chorus Prog.
91	BnH 5BH vv	O	O	Reverb Send Level
93	BnH 5DH vv	O	O	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	X	X	

O : Yes, X : No

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

PROBLEM	CAUSE	SOLUTION
No sound	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.
Occasional interference	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.
No sound when connected to external amplifier.	1. Volume setting is too low. 2. Defective connection cord.	1. Adjust the volume. 2. Replace connection cord.

Specifications

Section	Contents
PRODUCT	HIGH PERFORMANCE DIGITAL PIANO
KEYBOARD	88 KEYS (STANDARD) - 7 1/4 OCTAVES
TOUCH RESPONSE	OFF, HARD, SOFT, NORMAL
MAX. POLYPHONY	64NOTES
SOUND	GENERAL MIDI 128 VOICES
	4 DRUM KIT, 1 SOUND EFFECT SET
FUNCTIONS	LAYER, SPLIT, TUNE, TRANSPOSE, OCTAVE
DIGITAL SIGNAL PROCESSING	CHORUS(8), REVERB(8)
METRONOME	YES
DISPLAY	LED MULTI FUNCTION DISPLAY
DEMO	8 TUNES
RECORD	REAL-TIME-RECORDING
	2 TRACKS
	MAX. 2,500 NOTES/TR
VOLUME CONTROLS	MAIN, LAYER, SPLIT, DEMO, METRONOME
I/O TERMINALS	MIDI IN/OUT,
	AUDIO OUT, PEDAL IN
	2 HEADPHONE JACKS
SPEAKER	2 INCHES × 2, 6INCH x 2 (STEREO 15W + 150W)
POWER	DC IN
POWER CONSUMPTION	60W
DIMENSIONS (W x D X H)	1380mm × 500 mm × 880mm
WEIGHT	70Kg
ACCESSORY	OWNER' S MANUAL

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Part No. D1500 rev. 1.2 MF