

Roland

Roland Digital Piano



HP 3800G / HP 2800G

Owner's Manual

Roland Digital Piano

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	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
ATTENTION RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR		
<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		



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



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

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

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

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

1. Read all the instructions before using the product.
2. Do not use this product near water — for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. This product should be used only with a cart or stand that is recommended by the manufacturer.
4. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be located so that its location or position does not interfere with its proper ventilation.
6. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
8. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
9. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
10. The product should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled onto the product; or
 - C. The product has been exposed to rain; or
 - D. The product does not appear to operate normally or exhibits a marked change in performance; or
 - E. The product has been dropped, or the enclosure damaged.
11. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

For the USA

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

For Canada

For Polarized Line Plug

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCs ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.

For the U.K.

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

BLUE	: NEUTRAL
BROWN	: LIVE

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

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

*Apple is a registered trademark of Apple Computer, Inc.

*Macintosh is a trademark of Apple Computer, Inc.

*IBM PC is a registered trademark of the International Business Machines Corporation.

INTRODUCTION

FEATURES

Thank you, and congratulations on your choice of the Roland HP 3800G/2800G Digital Piano.

The HP 3800G/2800G offers extremely realistic-sounding piano performances thanks to its high-quality concert grand piano sounds and hammer-action keyboard. But it also allows you to branch out and accommodate almost any other kind of music, since it is also stocked with a wide variety of instrument sounds other than piano.

Additionally, the instrument comes equipped with its own five-track sequencer (the "Piano Partner") that is as easy to use as any ordinary tape recorder. By using the 50 sample songs included inside, along with the "minus one" feature, you can enjoy innumerable hours of effective practice, or have fun playing while the sequencer provides the backing instruments. Further, thanks to the instrument's disk drive, you can also include any of the many commercially available music data disks as part of your lesson plans.

In order to enjoy to the full all the features that have been made available, and be assured of trouble-free service for many years to come, please take the time to read this manual in its entirety.

About the HP 3800G/2800G Sound Generator

General MIDI System



The General MIDI System is a set of recommendations which seek to provide a way for going beyond the limitations of proprietary designs, and standardize the MIDI capabilities provided by sound generating devices. If you use a sound generating unit which carries the General MIDI logo, you will be able to faithfully reproduce any song data which also carries the General MIDI logo.

GS Format



The GS Format is Roland's universal set of specifications which were formulated in the interest of standardizing the way in which sound generating devices will operate when MIDI is used for the performance of music.

If you use a sound generating unit which carries the GS logo, you will be able to faithfully reproduce any commercially available song data which also carries the GS logo.

This product supports both General MIDI and GS.

Song data which carries either of these logos can be accurately reproduced.

About the HP 3800G/2800G Sequencer



The HP 3800G/2800G can play back ISM Music Data (3.5 inch floppy disks).



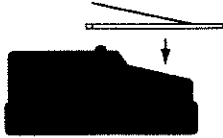
The HP 3800G/2800G can play back SMF Music Data (720 KB/1.44 MB formats, 3.5 inch floppy disks).

INTRODUCTION

Setting Up the Music Rest

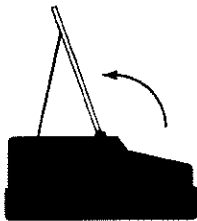
The music rest is packaged inside the cardboard box that your piano came in. Attach it to the piano as follows:

1. While holding the music rest at an angle, insert it into the slots at the rear.



2. Gently move the rest into the upright position.

To lean it back, slide your hand behind and support the legs while you tilt it.

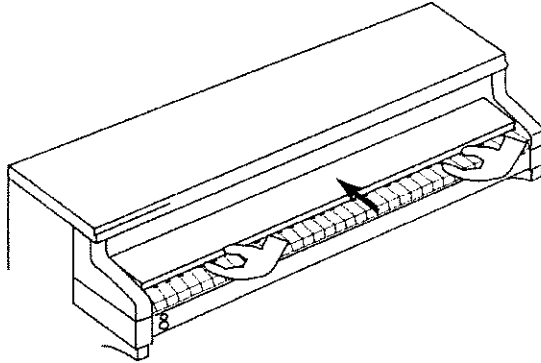


* Before moving or transporting the unit, always be sure to remove the music rest first.

Opening/Closing the Lid

To open the lid, grasp it with both hands to lift it lightly, then slide it back.

To close the lid, pull it forward slowly until it stops, then gently lower it.

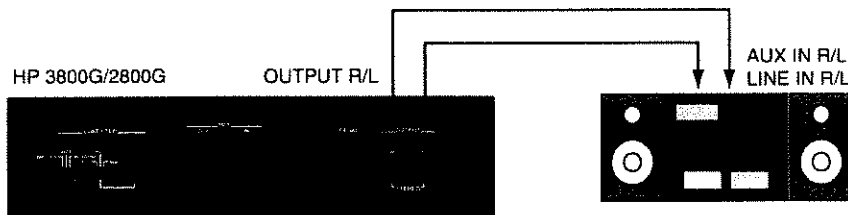


* Be careful so you do not get your fingers caught when opening/closing the lid.

* To prevent accidents, always close the lid before you move the piano.

Connection to External Audio Equipment

Whenever you want to hear your piano played through a set of external speakers, or want to record onto a tape recorder, you can simply connect cords between the AUX IN or LINE IN jacks on your external keyboard amplifier or mixer and the OUTPUT R/L jacks located on the rear of this piano.

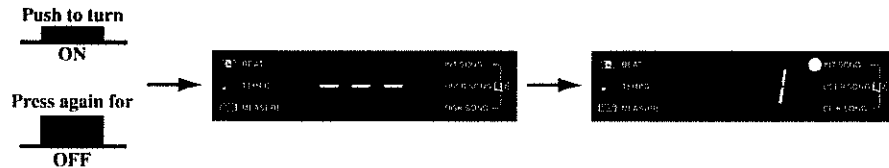


* Make sure to connect to the L (MONO) jack on this instrument if you are running only one cord to a monaural device.

Turning Power On

1. Insert the plug on the power cord into an outlet.
2. Press the **POWER** button at the left side of the panel to turn power ON.

After a few seconds the display shown below appears.



Note, though, that depending on the setting in effect for the **COMPUTER** switch (page 36, 37) on the rear panel, you could see one of the screens shown below. Should that be the case, you might not be able to use the Piano Partner (refer to page 14), or MIDI data arriving at MIDI IN could be ignored.

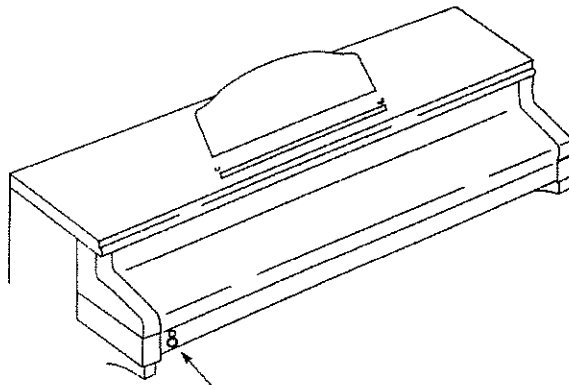


Should the above appear in the display, refer to page 36, 37.

- * *Due to its circuitry protection feature, this instrument requires a few seconds immediately after power up before it is ready for operation.*
- * *Make sure to always use only the power cord that was supplied with this unit.*
- * *Always be sure to use a power source that provides the amount of voltage this unit is designed for.*
- * *Whenever you do not intend to use the unit for an extended period of time, pull the power cord's plug out of the outlet.*

Using Headphones

A headphone jack is located at the front left side of the instrument. Once you have headphones connected, the unit's speakers will no longer produce sound. By listening through headphones, you can play whenever you please (such as late at night) without worrying about bothering others.



The **VOLUME** slider on the instrument is used to adjust the headphone volume.

We recommend that you use stereo headphones, preferably the optionally available Roland RH-20/80/120.

IMPORTANT NOTES

In addition to the items listed under Safety Precautions inside the front cover, please read and observe the following:

Power Supply

- Before connecting this unit to other devices, turn off the power to all units; this will help prevent damage or malfunction.
- Do not use this unit on the same power circuit with any device that will generate line noise; an electric motor or variable lighting system for example.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Observe the following when using the unit's disk drive. For further details, refer to "Before Using Disks".
 - Do not place the unit near devices that produce a strong magnetic field (eg., loudspeakers).
 - Install the unit on a solid, level surface.
 - Do not move the unit or subject it to vibration while the drive is operating.
- Make sure you always have the instrument placed so it is level and sure to remain stable. Otherwise, if played while tilted, you risk causing damage to the keyboard as a result of the unnatural degree of force that might be applied to certain parts of it.

Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Additional Precautions

- Protect the unit from strong impact.
- Do not allow objects or liquids of any kind to penetrate the unit. In the event of such an occurrence, discontinue use immediately. Contact qualified service personnel as soon as possible.
- Never strike or apply strong pressure to the display.
- A small amount of heat will radiate from the unit during normal operation.
- Before using the unit in a foreign country, consult with qualified service personnel.

Handling the drive

- Avoid using the unit in areas of high humidity (eg., condensation). High levels of humidity can adversely affect the operation of the drive and/or damage floppy disks. When the unit has been transported, allow it to warm to room temperature before operating.
- To insert a disk, push it gently but firmly into the drive — it will click into place. To remove a disk, press the EJECT button firmly. Do not use excessive force to remove a disk which is lodged in the drive.
- Never attempt to remove a floppy disk from the drive while the drive is operating (the indicator is lit); damage could result to both the disk and the drive.
- Remove any disk from the drive before powering up or down.

Moving the Instrument

When attached to the keyboard stand, the instrument is top-heavy. Two people should be on hand to move it. When moving the instrument, take care to protect yourself from injury and the instrument from damage.

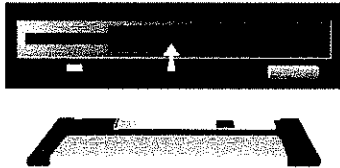
The HP 3800G/2800G uses 3.5-inch 2DD or 2HD floppy disks (sometimes called "microflops"). They are used to store the song you record on the HP 3800G/2800G.

** Please use 2HD disks whenever possible. This is because the data access speed of a 2DD disk is somewhat slower than that of a 2HD, and this may on rare occasions cause playback errors. And song selection or song position displays may be delayed slightly.*

1. Inserting a Disk

To insert a disk, push it firmly (but gently) into the drive; label side up — it will click into place.

- Make sure the disk is correctly inserted before trying to use it!



2. Removing a Disk

To remove a disk, press the EJECT button firmly.

For the HP 2800G's User

- Usually the disk drive light is not lit, but it will be lit when the disk drive is reading or writing data. Never attempt to remove a floppy disk from the drive while the drive is operating (the indicator is lit); damage could result to both the disk and the drive.

For the HP 3800G's User

- When the power is on, the disk drive light will alternate between being dimly lit (disk drive ready) and lit (disk drive in operation). In the latter case, do not try to eject the disk or you might damage the disk or the drive.



3. Write Protecting Your Disks

Floppy disks contain a write protect tab which can protect the disk from accidental erasure. It is recommended that the tab be kept in the 'protect' position and moved to the 'write' position only when you wish to write new data onto the disk.

4. Handling Floppy Disks

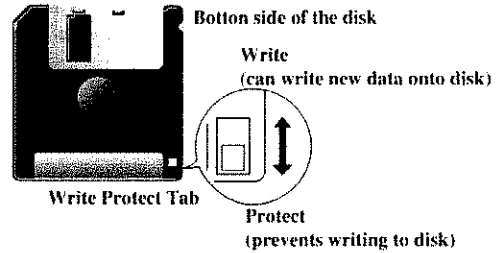
- Floppy disks contain a magnetic storage medium (much like magnetic recording tape). Please observe the following when handling floppy disks:

Never touch the magnetic medium inside the disk.

Do not subject floppy disks to temperature extremes (eg., direct sunlight in an enclosed vehicle). Recommended temperature range: 10 to 50°C.

Do not expose floppy disks to strong magnetic fields, such as those generated by loudspeakers.

- Floppy disks contain a 'write protect' tab which can protect the disk from accidental erasure. It is recommended that the tab be kept in the 'PROTECT' position and moved to the 'WRITE' position only when you wish to write new data onto the disk.



- All important data should be copied onto backup disk(s). This provides a complete duplicate of the data should the original disk(s) be lost or damaged.
- The identification label should be firmly fixed to the disk. Should the label come loose while the disk is in the drive, it may be difficult to remove the disk.
- Put the disk back into its case for storage.

1. Playing Your HP 3800G/2800G

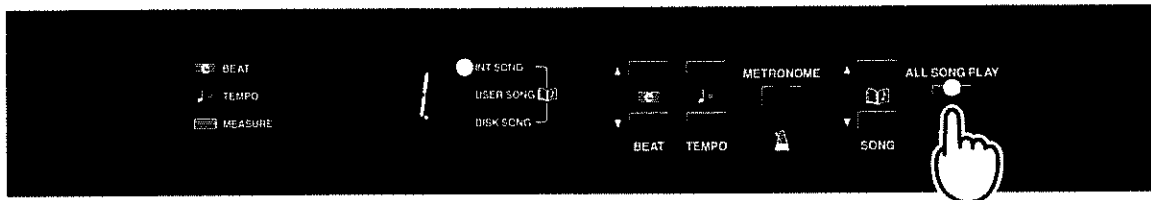
Adjusting Volume/Brightness of the Sound




- 1. Adjust the VOLUME slider until you have the volume you need.**
At "MAX" you obtain the greatest volume, while at "MIN" it is reduced to zero.
 - 2. Move the BRILLIANCE slider to obtain the overall sound quality you desire.**
The sound takes on a more brilliant quality as you move the slider towards "BRIGHT." As you move towards "MELLOW," the sound becomes more subdued.
- * Ordinarily, the **PLAYBACK BALANCE** slider at the panel's far right should be left at the center position. For information on how the **PLAYBACK BALANCE** slider is used, see "Dual Play" (p. 11); "Minus One Play" (p. 23).

Listening to the Demo Songs

A number of demo songs are provided by your HP 3800G/2800G. To listen to them, follow the instructions below.



Press  .

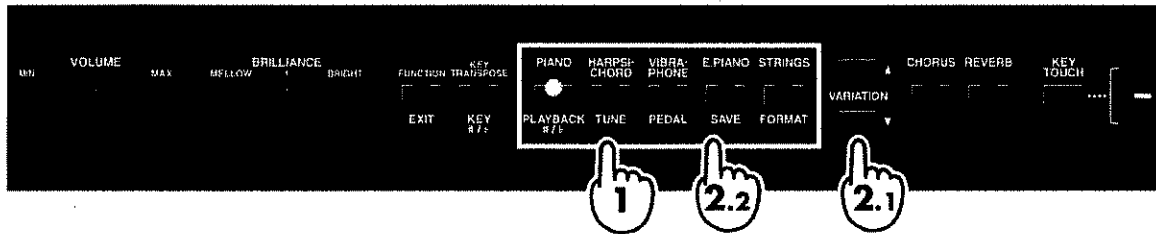
The button's indicator lights, and the demo songs will start to play. Press the button again, and the demo songs will stop playing (the indicator goes out).

The demo songs will keep repeating until you stop them. By the way, having the instrument play in this manner is known as "All Song Play."

- * Should you wish to select a particular song and have it alone play, please see page 14.
- * Refer to the separate *Demonstration Song Chart* for details on song numbers, names, and composers.

Trying Out the Sounds

The HP 3800G/2800G has a full palette of sounds stored inside it. These sounds are arranged into a number of groups, depending on the general type.



Selecting Tone Groups

1. Press the button for a tone group. Notice that its indicator lights up.


Whichever group button is lit is the one which will sound. Play the keyboard and try out the tone you have selected.

Voices	Characteristics
PIANO	A thick, rich concert grand piano sound.
HARPSICHORD	A sensitive and refined harpsichord sound.
VIBRAPHONE	The sound of a large-sized vibraphone.
E. PIANO	Offers the sound of a luminous, transparent electric piano.
STRINGS	The delightful sound of a string ensemble.

Selecting Variations

Each of the tone groups offers a large variety of Variations. Since each sound has its own unique quality, you should try all of them out so you will know where to find just the sound that is best for the music you are playing.

After selecting a tone group, follow the steps below to select Variations.

2.1 Use  to select among Variations.

The indicator on the tone group button will start flashing. In the display, you will see the number of the Variation that you currently have selected. Play the keyboard and check out how this new voice sounds.

2.2 Press the tone group button which is flashing.

The indicator on this button will now light steadily (stops flashing). This shows you that your selection has been put in effect, so you will then be able to hear the newly chosen Variation when you play the keyboard.

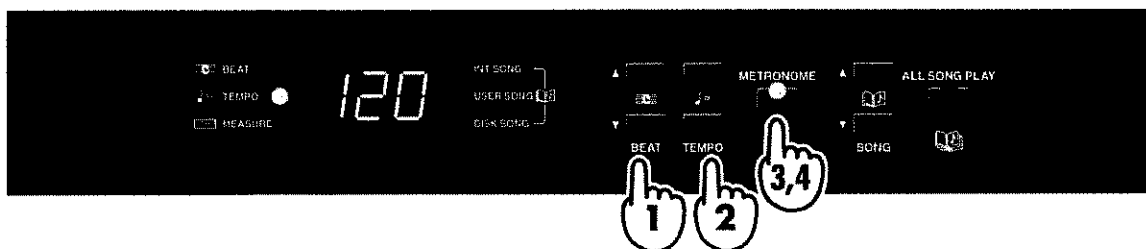
* *Different numbers of Variations are contained in each of the tone groups. Please refer to the separate Tone Chart for a full listing of the Variations available in each tone group.*


* *Every time power is turned on, the instrument is set so that Variation number "1" is selected.*

1. Playing Your HP 3800G/2800G

Playing in Time With the Metronome

The HP 3800G/2800G provides a metronome which you can conveniently use while you practice.




- Using , select the desired beat (time signature).

The correspondence between the numbers shown in the display and the beat at which the metronome will sound is as shown below.





Display	Beat
0.4	The weaker beats sound, while the downbeat is silent
2.4	2/4 time
3.4	3/4 time
4.4	4/4 time
5.4	5/4 time
6.4	6/4 time
3.8	3/8 time
6.8	6/8 time
12.8	12/8 time

- Use  to select the desired tempo.

Any setting from 20 through 250 as the value of a quarter note is possible. View the display to see which setting you currently have.



- Press  and the metronome will begin sounding (the button's indicator lights).
- To turn the metronome off, once again press  and confirm that the button's indicator has gone out.



* To adjust the volume of the metronome, see page 35.

Layering Two Tones — Dual Play

If you want, you can have two tones be played simultaneously when you play on the keyboard. For example, you could have the Piano and Strings tones layered together. Setting the instrument to play in this manner is known as “Dual Play.”

Example: Playing with the Piano and Strings tones layered together.



While holding down , press .

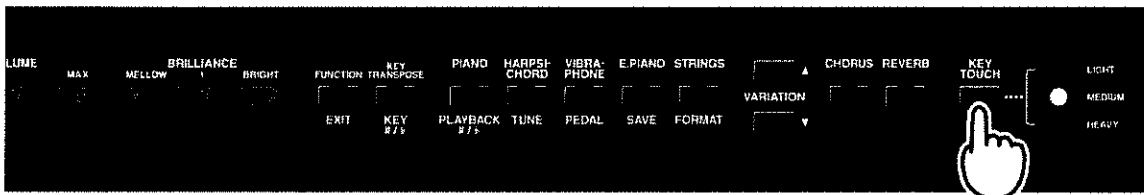
The indicators on both of the tone group buttons will light, and when you play the keyboard, both of the selected tones will play simultaneously.


To alter the volume, and adjust the balance of one tone respective to the other, use the PLAYBACK BALANCE slider at the panel's right.

* You cannot use the Dual feature at the same time as you are using the Piano Partner (p. 14).

Changing the Keyboard's Touch

The HP-3800G/2800G allows you to alter the response of the keyboard. This is a feature that you won't find on an acoustic piano since it relies on digital technology.



Press  to select the desired key touch.

Each press of the button cycles you successively through the three available choices.

MEDIUM

This is the standard setting. It provides the most natural response, being nearly identical to that of an acoustic piano.

HEAVY

At this setting, the keyboard will have a heavier feel, and will therefore require greater playing force to obtain fortissimo. It allows for more dynamic expression to be put into your playing. This setting is also useful if you normally apply more pressure than others, or can be used for practice in strengthening the fingers.

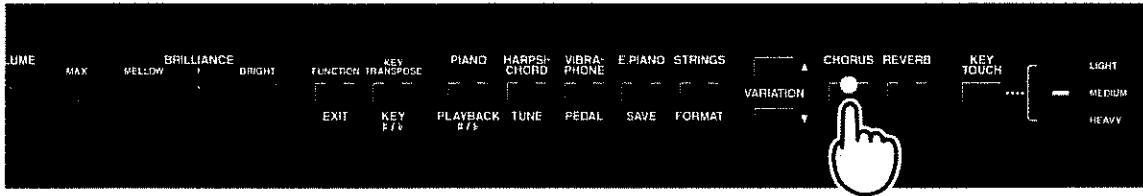
LIGHT

With this setting the keyboard will have a lighter feel to it, and fortissimo level (*ff*) can be obtained with a touch that is softer than normal. This setting is ideal for children, since it makes playing easier for them.

1. Playing Your HP 3800G/2800G

Adding Expansiveness — Chorus

When you use chorus, you obtain an effect which makes it sound like there are a multiple number of instruments sounding simultaneously. As a result, you add more presence, expansiveness, and fatness to the sound.



To use chorus, press **CHORUS** and confirm that the button's indicator is lit.

* Refer to page 34 if you want to change the depth of the chorus effect.

Adding Reverberation — Reverb

The reverb effect adds a pleasant wash of reverberation to your music, making it seem as if you were playing inside a concert hall.



To add reverberation, press **REVERB** and confirm that the button's indicator is lit.


* Refer to page 34 if you want to change the depth of the reverb effect.

Playing Any Key As If It Were In C Major -- Key Transpose Feature


The Key Transpose feature allows you to have your music play in a different key, without actually changing your fingering positions.

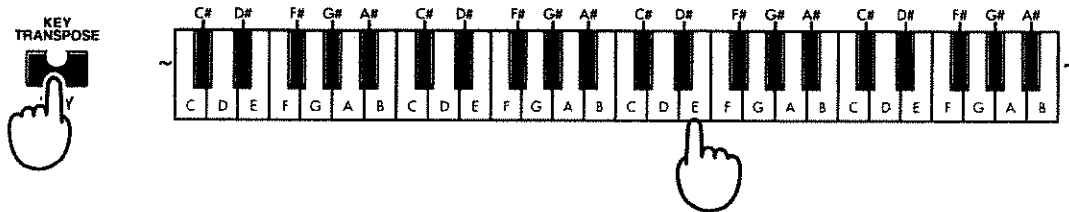
It conveniently allows you to transpose a song in a difficult key (having numerous sharps and flats) into a key that is easier to play, or to quickly shift to a key that better suits a vocalist.


Example: Playing a song in E major using the fingering for C major.

1. While holding down , press the keyboard key representing the tonic of the new key you want to play.

In other words, you will want an E ("do" for E major) to be played when you play a C ("do" for C major), if you intend to play a song in E major using the fingering for C major. So, you would hold

down  and press the E key.



The indicator on  lights, and thereafter whatever is played will be transposed.

2. To return to the original key, press  again, and check that its indicator has gone out.

* There is also another way to make settings for key transposition. See page 28.

2. Piano Practice Using the HP 3800G/2800G

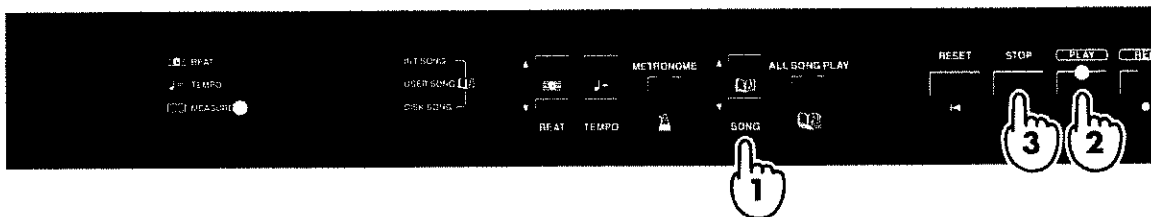
The HP-3800G/2800G comes equipped with the "Piano Partner," which can play either the internal sample songs or any commercially available music data. So beyond simply being played as a piano, the instrument also provides you with a lot of other possibilities which can make your lessons more interesting and productive.


This chapter will introduce some of the ways that the Piano Partner can be used in lessons.

2.1 First, Listen to the Demo Songs

Before practicing the piano, it is important that you first listen carefully to the music you intend to learn. The HP 3800G/2800G provides you with a great variety of demo songs which you should try to listen to as many times as you can.

Try Listening to the Demo Songs



1. Select the song using .

Here, let's try selecting "Vorschule im Klavierspie op.101 No.80," song number 19. View the display so you know which song number you currently have called up.






2. Press , and the song will start playing (the button's indicator lights).

While play is in progress, the number of the measure that is currently playing will be shown.



* With certain songs, it could take a little while before the song starts playing after you press [PLAY].

3. Press , and the song will stop playing.

* If you want, you can use  to go back, or  to go forward a number of measures in the song while you play it back.

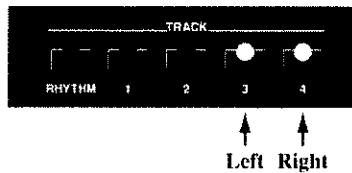
* See the separate sheet (Demo Song chart) for a list of the song names and numbers.

Listening to Only the Left or Right Hand Parts — Track Mute

An ordinary stereo tape recorder separately records the sound for the left and right speakers. These two separate recording locations are known as “tracks.”

The demo songs included in the HP 3800G/2800G are recorded in a way that uses five tracks. Since what is played by the right hand is recorded on a track separate from the left hand part, you can more easily use the songs for learning how to play.

“Vorschule im Klavierspie op.101 No.80,” song number 19 has the music for the left hand in track 3, and that for the right hand in track 4.



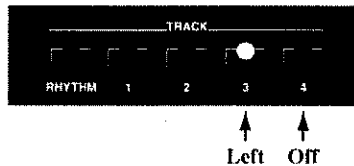
Follow the steps below to listen only to the part played with the left hand, the music in track 3.



1. Press to return to the beginning of the song.



2. Press , and confirm that its indicator has gone out.



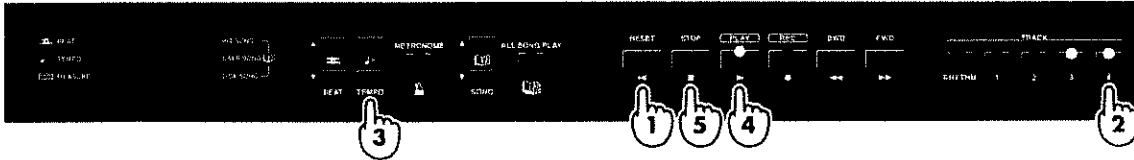
3. Press , and the music for the left hand (track 3) alone will start playing.
4. Press , and the song will stop playing.

* If instead you wanted to listen to only the right hand part, you would get the to light, and then turn off .

2. Piano Practice Using the HP 3800G/2800G


Listening to Songs at Different Tempos


If you wish, you can alter the tempo of the internal songs (or those stored on disk) for playback. The pitch doesn't change even when played at an altered tempo.



1. Press  to return to the top of the song.





2. Press the previously turned off , and confirm that the button's indicator is lit.


3. Press  and select the desired tempo.

You can also change the tempo while a song is playing if you wish. Just press the button until you arrive at the tempo you want. The display will show the tempo you currently have.



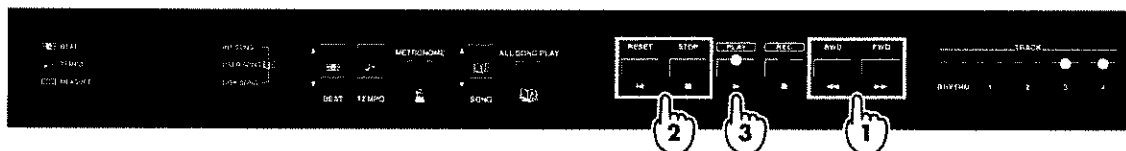
4. Press , and the song will start playing (the button's indicator lights).

5. Press , and the song will stop playing.

* Press the two  buttons simultaneously to return to the original tempo.

Repeating the Same Section

The HP 3800G/2800G allows you to place markers within songs. Once you have a marker in place, you can have playback start from that measure.



1. Using **BWD** or **FWD**, shift to the beginning of the measure that you want to listen to.

Here, let's try moving to the eighth measure. Every time you press **BWD** or **FWD**, the display will show you the number of the measure you moved to, so you can easily find the measure you want.



2. Press **STOP** while holding down **RESET**.
You have just placed a marker at the eighth measure.
3. Press **PLAY**, and play begins from the eighth measure.
4. Press **RESET** and the song stops playing. You are returned to the beginning of the eighth measure once again.

If you press **RESET** again when in this status, you are returned to the top of the song. You are returned to the eighth measure if you were at a point after the ninth measure.

* You can only place markers at the beginning of a measure. You cannot place them part way through a measure.

* If you press **RESET** at a measure between the first measure and the marked measure, you are returned to the first measure, but the marker remains stored.

Example: If you place a marker at the eighth measure for the song on page 24, it would be more convenient for practicing because you could skip the introduction.

2.2 Practicing the Left and Right Hands Separately

Listen to the demo song enough times to acquire a feeling for the song, then try practicing the left hand and right hand parts separately.

Help with Getting the Right Timing to Begin — Count-In

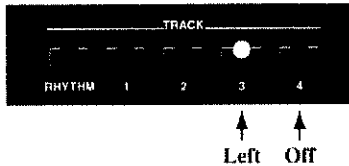
When using the internal songs for practice, you may find it a little difficult to get in time with the song if it suddenly starts before you are ready. You will probably want to take advantage of the Count-In feature, which begins signaling you two measures before the actual song starts. Playing this way is called “Count-in play.”



1. Press **RESET** to return to the top of the song.

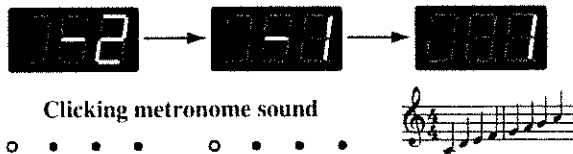


2. Press **TRACK** once, and confirm that its indicator has gone out.



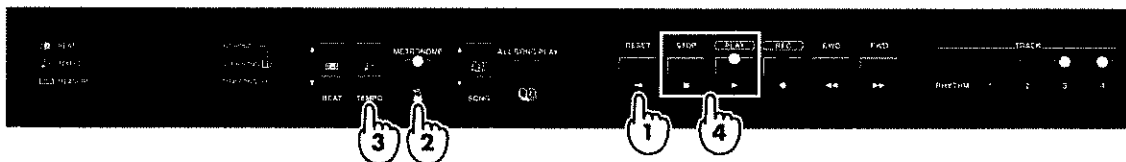
Now try practicing only the right hand part along with the demo song for the left hand.

3. Press **PLAY** while holding down **STOP**. Play begins after a two-measure count-in.



Sounding the Metronome While You Play


The HP 3800G/2800G contains a very clever metronome. By listening to this metronome, you can practice achieving the correct tempo.



1. Press  to return to the top of the song.





2. Press , and the metronome will begin sounding.

3. Select the desired tempo using .

To begin with, try setting it to a fairly slow tempo.



* Press the two  buttons simultaneously to return to the original tempo.

4. Press  while holding down .

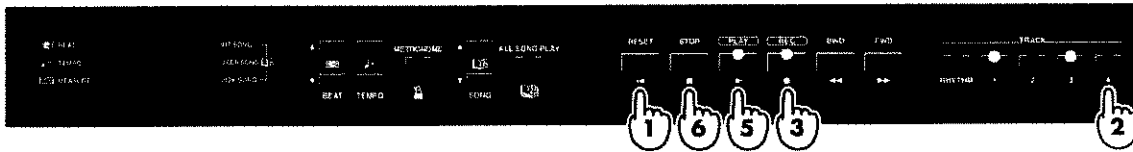
Play begins after two measures of count-in have sounded.
The metronome will continue sounding throughout.


2.3 Recording What You Play Along With the Sample

You can also record what you play along with the demo songs. By playing back the recorded performance afterwards, you can judge for yourself how well you did, and find out where you need improvement.


Recording While Playing Along With the Sample


After you have practiced the right hand part for a while, try recording it while you have the Piano Partner play the left hand part.





1. Press  to return to the top of the song.




2. Since you want the Piano Partner to play only the left hand part while recording, you need to mute the track in which the right hand part is contained. So, press  (make sure its indicator has gone out).

3. Press  to place the unit in recording standby.


The indicator on  will be lit, the indicator on  will start blinking on and off.

4. The indicator for the track having the lowest number among all the empty tracks lights up.


 should light up if you have followed along with the examples so far. This means that what you play will go into track 1.



↑
For recording

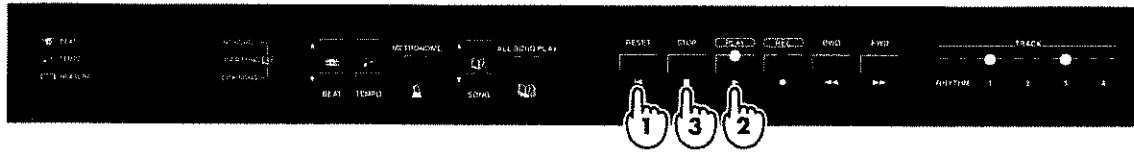
5. Press , and the button's indicator will then light steadily (instead of flashing). Recording begins after a two-measure count-in has sounded.



Now, try playing along with the demo song.

6. Press  when you have completed the performance.

* After recording a long piece, the panel buttons will not respond while the indicator (e.g., MEASURE indicator) continues flashing. You will need to wait until the indicator finishes flashing, then press whatever buttons you need.

Playing Back What You Have Recorded





1. Press  to return to the top of the song.
2. Press , and the previously recorded performance begins playing.

Both the recorded right hand part, as well as the demo song for the left hand will be played together, as illustrated below.






↑
↑
Right **Left**
Recording of what you played **Demo Song**

To listen to only what you played:

Turn on the indicator for  and turn off .

To listen to the demo song:

Turn on the indicator for  and turn off .

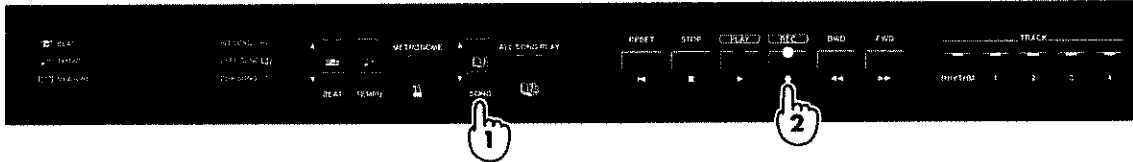
3. Press  when the performance has finished.

2. Piano Practice Using the HP 3800G/2800G

Notes Concerning Recording



Your recordings will be discarded as soon as you turn power off, or select some other song. If you want to preserve the data which you have recorded, you will need to save it onto floppy disk. (See page 32.)

Carry out the steps below to erase data (select another song)





1. Press either of  or , the display will show the song number "0."




Press either of  or  again, the display will show a message (ERASE), asking you to confirm if you want to perform an erasure.



2. To go ahead and erase it, press  (flashing).

Should you actually not want to erase it, press .

After you erase the song data, you can select another song using .

2.4 Playing While Accompanied by Full Backing — Minus One



“Minus One” playing refers to a method of using the Piano Partner. You decide on the part you want to play on the keyboard, then turn off the playback for the track that contains that part. You can then enjoy playing that part while you are accompanied by full backing.



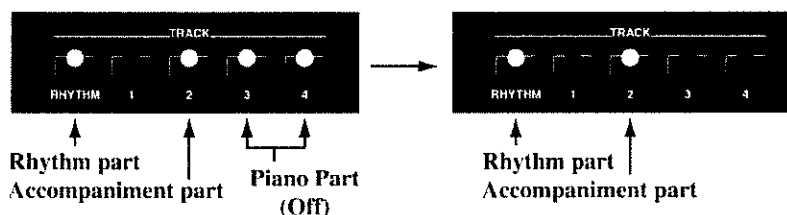
1. Using , select the song.


For now, try selecting song number 42, “Secret Agent.”



2. Press  and  (make sure their indicators have gone out).


As a result, only the accompaniment will be played.



3. Press  (its indicator lights) and “Secret Agent” will begin playing. Try playing along with it. The music for the piano part appears on the next page.

Use the PLAYBACK BALANCE slider to adjust the volume of the accompaniment.



4. Press  when you have completed the performance.

Secret Agent: Music by John Maul Copyright ©1993, Roland UK

John Maul

John Maul is a musician, composer and arranger having graduated from the Royal Academy of Music in London. John’s work encompasses studio recordings and live performances, including work with top cabaret artists in the U.K. His writing credits include commercial music for radio and television, as well as scoring jazz and classical works. As a product specialist for Roland U.K., John’s talents are well utilized in the preparation of support material for educational and instructional use.

2. Piano Practice Using the HP 3800G/2800G

Secret Agent

John Maul

84

mf

1

mf

9

mf

12

mf

16

sfz

20

mf

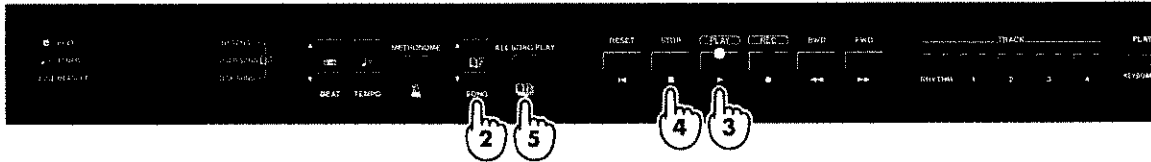
24

2.5 Enjoying Song Playback

Since a disk drive is contained in the HP 3800G/2800G, you can enjoy playing back commercially available music data.

Before using disks, please read "Handling Floppy Disks" (p. 5).

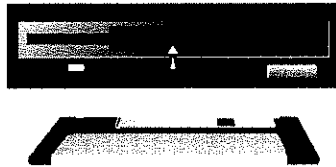
Using the Disk Drive to Listen to Some Songs



1. Insert a disk into the disk drive.

The disk drive on the HP 3800G is located at the far right side of its panel. The disk drive on the HP 2800G is located at the far right, below the keyboard.


Make sure you have the right side of the disk facing upwards (level side up).





2. Press  to select a song.

When selecting songs recorded on disk, the DISK SONG indicator lights up (will light).



3. Press , and the song will start playing.



4. Press , and the song will stop playing.

5. Press  to have songs play consecutively, much like on a CD player. (refer to page 8)

* While a disk is inserted, you will not be able to select any of the internal demo songs.

* If an error (such as shown below) has been displayed after inserting a disk, or while a song is playing, refer to the Error Table on page 40, 41.



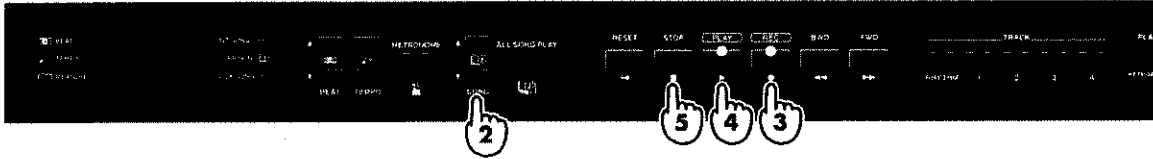
* After you have pressed , or have pressed  and entered recording standby, the panel buttons will not respond while the DISK SONG indicator continues flashing. You will need to wait until the DISK SONG indicator has gone out, then press whatever buttons you need.

2. Piano Practice Using the HP 3800G/2800G

2.6 Recording Your Performances



You can record the songs you like using whatever tones you desire. If you use all five tracks, you can create ensemble pieces that produce five instrument sounds simultaneously.

Try Recording a New Song



1. Select the tone you wish to use for recording, and make settings for chorus, reverb, and tempo to your liking.


* You cannot alter the tone, tempo, or beat of a song once you begin recording.


2. Using  , select song number 0.

The easiest way to get to song number 0 is to press both of the   buttons at the same time.


If recording a new song, the USER SONG indicator will light.



3. Press  (its indicator lights), and you enter recording standby.


The indicator on  will light. If you want to record on a different track, press the button for that track (its indicator will light).



* If you want to have the metronome on to listen to while you record, press  and confirm that its indicator has lighted.

4. Press , and recording will begin after a two-measure count-in.

Start playing.

5. Press  when you are finished.

* All data you record will be erased as soon as you turn the power off, or select some other song. If you want to preserve the recorded data, please see "Saving Recorded Music Onto Disk — Save" (p. 32).

* If you re-record on a track that already contains data, everything that was formerly in the track after the point at which you begin recording will be replaced with the new material you have recorded.

Creating Ensembles Using Multi-track Recording

The instrument allows you to enjoy creating ensembles by recording the music for left and right hands into separate tracks, as well as by adding other instrument parts. For information on the tones available, refer to the Tone Chart. You may want to also look at page 9 for instructions on how to "Selecting Tone Groups," "Selecting Variations."



1. Since we already recorded something into track 1 on the previous page, let's try recording something else using a different tone.
Select the desired sound using the tone and Variation buttons.

2. Press **REC** to place the unit in recording standby.

TRACK
2 will light up.

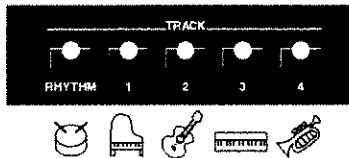


3. Press **PLAY**, and recording begins after a two-measure count-in.

While listening to track 1, play what you need to go along with it.

4. Press **STOP** when you are finished playing.

You can then repeat steps 1 through 4 and record the bass into track 2, the drums into the RHYTHM track, and whatever other part you need into the remaining track.



* If an error message has appeared during recording, refer to the Error Table on page 40, 41.

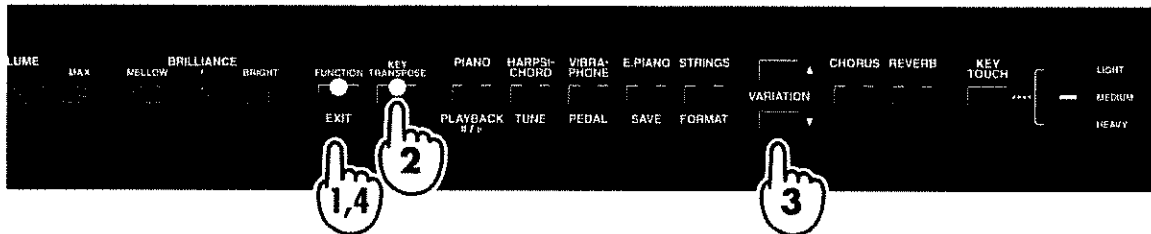





* You should always use the RHYTHM Track for recording the drum part.

3. Other Convenient Functions

Changing the Key of What Is Played From the Keyboard — Key Transpose

The HP-3800G/2800G allows you to transpose everything you play without altering your fingering.



1. Press . (The button's indicator starts flashing.)
2. Press , and confirm that its indicator is lit.
3. Press  to select the amount of transposition desired.

The current value is shown in the display (-6 to 0 to 5).



When you press ▲ twice




Play this...



and this will sound

4. Once again press , and confirm that the indicator has gone out.

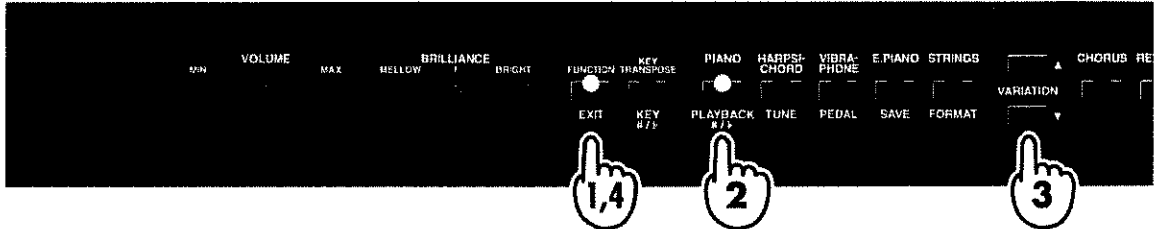
The key is altered only while  is lighted.




* When the power is turned on, key transposition is set to 0.

* The Key Transpose function will transpose only the notes you play on the keyboard.

Changing the Key of the Accompaniment — Playback Transpose

You can also have data on a disk be transposed when it is played back, making it convenient for you to play along with the data when you have the keyboard transposed.

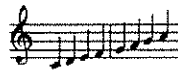


1. Press . (The button's indicator starts flashing.)
2. Press , and confirm that its indicator is lit.
3. Press  to shift the key at which the data will play.

The current value is shown in the display (-6 to 0 to 5).




When you press ▲ twice



Play this...



and this will sound

4. Press , and check that the indicator has gone out.

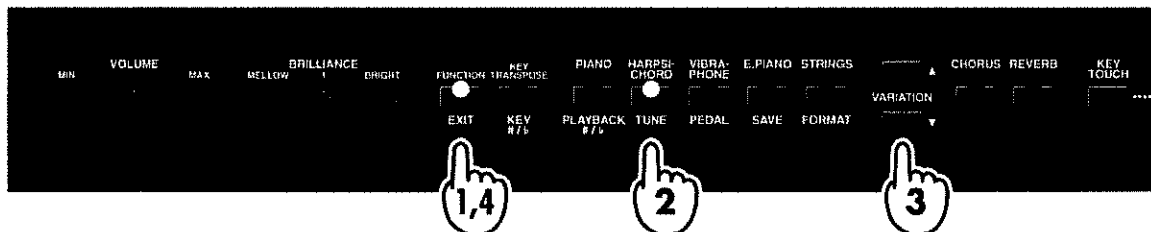
- * When the power is turned on, the amount of transposition is set to 0.
- * The Playback Transpose function will transpose only the music data that is played back. What you play on the keyboard will not be transposed.

3. Other Convenient Functions

Adjusting the Piano's Pitch — Tuning


When you play together with some other instrument, it is important to have the piano's reference pitch matched properly with the other instrument, otherwise you won't be able to produce the kind of music you hope for. The reference pitch commonly refers to the pitch of the middle A key on the keyboard, and is expressed in hertz.

To tune the piano, you simply need to alter the frequency of the reference pitch.



1. Press . (The button's indicator starts flashing.)

2. Press , and confirm that its indicator is lit.

3. Press  to adjust the pitch.

The possible values are: 415.3 to 466.2 Hz as the pitch of the middle A key.

For example, at 440.0Hz

400

Only 40.0 will be displayed

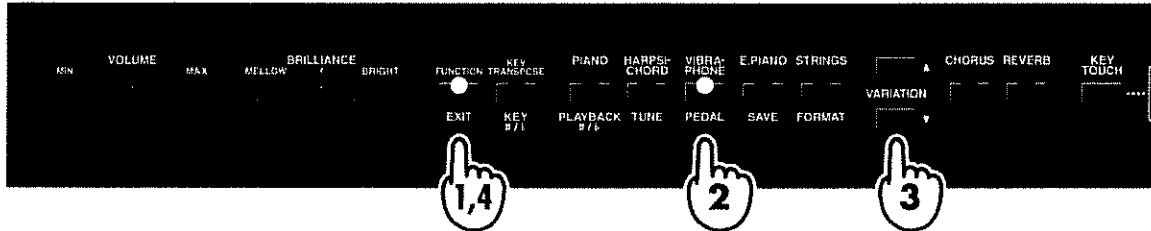
4. Once again press , and confirm that the indicator has gone out.




* Each time the power is turned on, middle A is set at 440.0 Hz.


* When you alter the tuning, the pitch of everything (including performances of data from disk) will change.

Using the Pedals to Control Playback

The HP 3800G/2800G provides three pedals. The center pedal ordinarily acts as a sostenuto pedal, but you can also set the unit so the pedal instead doubles as a PLAY/STOP switch when playing/stopping songs using the Piano Partner.



1. Press . (The button's indicator starts flashing.)
2. Press , and confirm that its indicator is lit.
3. Press .

To have the pedal revert to being a sostenuto pedal, press .

A "1" appears in the display when the pedal is acting as a sostenuto pedal, and a "2" when it serves as a PLAY/STOP switch.

Sostenuto Pedal



START/STOP Pedal



4. Once again press , and confirm that the indicator has gone out.

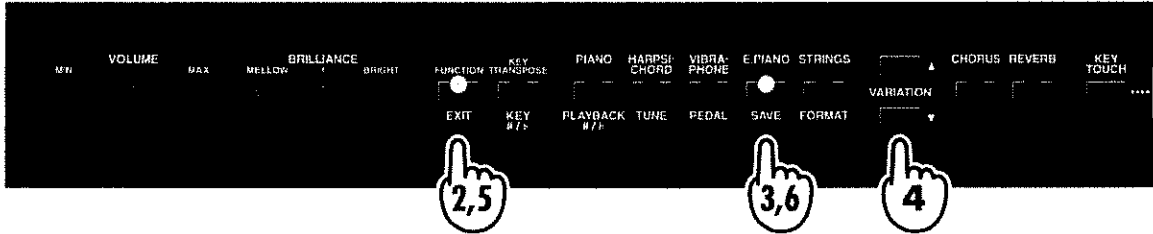
* When the power is turned on, the center pedal is set to be a sostenuto pedal.

3. Other Convenient Functions

Saving Recorded Music Onto Disk — Save

All music you record will be lost as soon as you turn the power off, or select some other song. If you want to preserve what you have recorded, you will need to save the data onto disk by following the steps below.

* *Brand new disks cannot be used as they are. Please refer to the next page, "Formatting."*



1. Slide the protect tab on the disk you are going to save data onto to the WRITE position (see p. 5), then insert it into the disk drive.

Make sure you have the top (label) side of the disk facing upwards.

2. Press **FUNCTION EXIT** and confirm that the indicator has started flashing.
3. Press **E.PIANO SAVE** and confirm that the indicator has started flashing.
4. Use **VARIATION** to select the number of the song you want to save.

* *Selectable song numbers range from 1—99. You won't, however, be able to select a song number that is already stored on the disk.*

5. To cancel the save process, press **FUNCTION EXIT** and confirm that the indicator has gone out.
6. To go ahead and save the song, press **E.PIANO SAVE** and confirm that the indicator is lit.

* *Depending on the song's length, it can take anywhere from only a few seconds to up to 10-20 seconds to save it.*

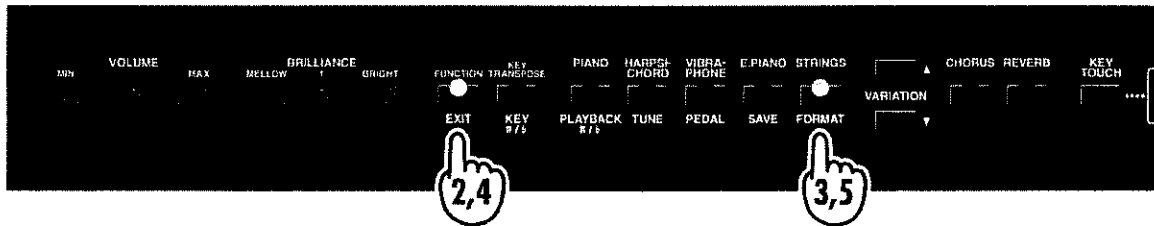
* *If an error message has appeared, refer to the Error Table on page 40, 41.*



Using New Disks — Formatting

With the HP 3800G/2800G, you should use 3.5 inch 2HD disks. Although the unit will also allow you to use 2DD type 3.5 inch disks, their use will result in a reduction in access speed, which can cause problems when playing back data. You may also notice that it takes a little longer to select songs and move through the measures.



Every brand new disk must be formatted before you can use it with the HP 3800G/2800G.

** When using a previously used disk, be aware that you will lose everything stored on it when you format it!*



1. Slide the protect tab on the disk to the WRITE position (see p. 5), then insert it into the disk drive.
2. Press  and confirm that the indicator has started flashing.
3. Press  and confirm that the indicator has started flashing.

"For" appears in the display, as shown below.

4. Should you want to cancel the procedure, press  (the button's indicator goes out.)
5. To proceed with the formatting, press  again and confirm that its indicator is lit.

Formatting begins. The display will show a count down.

When "0" appears in the display, the formatting is completed. You are returned to where you were previously.

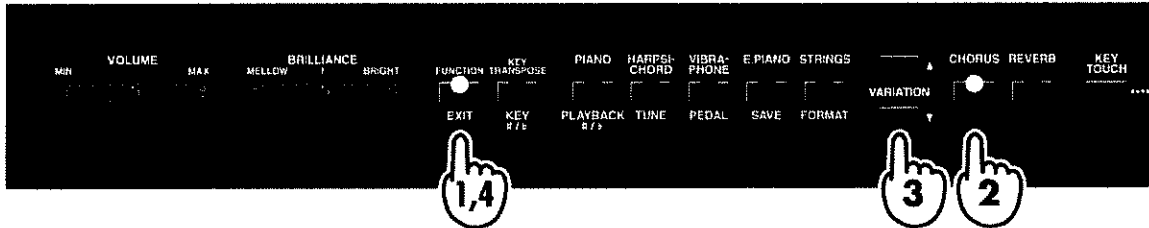
** If an error has appeared, refer to the Error Table on page 40, 41.*





3. Other Convenient Functions

Changing the Chorus Settings

Ten different levels are available for the depth of the chorus effect.

You will probably want to experiment until you obtain a level that is best for the song you are playing.



1. Press  (the indicator begins flashing).
2. Press  and confirm that its indicator is lit.
3. Use  to alter the chorus level.
4. Press  (so the indicator goes out).

The current level is shown in the display. Listen to the result until you find the setting you like best.

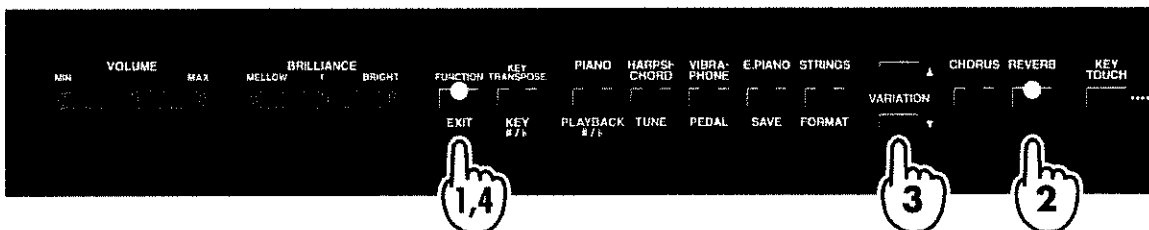
* The level is set to "5" each time the power is turned on.





* This setting for the effect level will be common to all tones.

Changing the Reverb Settings

Ten different levels are available for the depth of the reverb effect.

You should try a variety of settings until you obtain a level that is best for the song you are playing.



1. Press  (the indicator begins flashing).
2. Press  and confirm that its indicator is lit.
3. Use  to alter the reverb level.
4. Press  (so the indicator goes out).

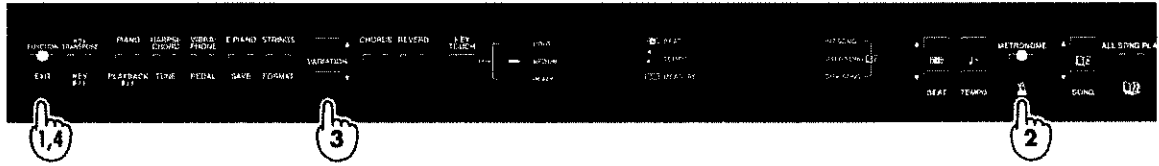
The current level is shown in the display. Listen to the result until you find the setting you like best.

* The level is set to "5" each time the power is turned on.

* This setting for the effect level will be common to all tones.

Changing the Metronome's Volume

Ten different levels are available for the volume of the metronome.



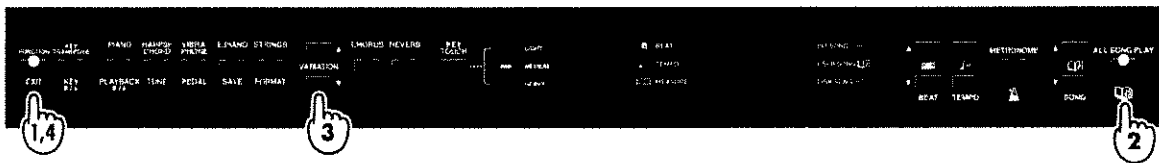
1. Press **FUNCTION** **EXIT** (the indicator begins flashing).
2. Press **METRONOME** and confirm that its indicator is lit.
3. Use **VARIATION** **A** **V** to adjust the volume level.
The current volume level is shown in the display.
4. Press **FUNCTION** **EXIT** (so the indicator goes out).

* The level is set to "5" each time the power is turned on.

* The setting for the volume will remain in effect (you obtain that volume no matter how many times the metronome is turned on and off) as long as the power is on.

Muting Individual Parts

While using the Piano Partner, the data for accompaniment can request sound generation for up to a maximum of 16 parts. This setting allows you to select one of these parts that you do not wish to have played (muted).



1. Press **FUNCTION** **EXIT** and confirm that it has started flashing.
2. Press **ALL SONG PLAY** (so the indicator lights).
3. Use **VARIATION** **A** **V** to select the part you want to mute.
Either OFF, or 1—16 is shown in the display. When set to OFF, none of the parts are muted.
4. Press **FUNCTION** **EXIT** (so the indicator goes out).

* Part mute is set to "oFF" each time the power is turned on.

4. About MIDI Connector and Computer Connector

The HP 3800G/2800G is equipped with MIDI and computer connectors which allow you to exchange musical information with external devices. Once you use these connectors to link up with other equipment, you can greatly expand your musical horizons.

Connecting to MIDI Equipment

On the rear panel of the HP 3800G/2800G you will find a MIDI IN and a MIDI OUT connector. After using these connectors to link with other units, you will be able to pick a device that you wish to be in control, and use it to control the others. You can then not only get the other equipment to play, you can also cause it to switch through its sounds.

About the MIDI Connectors

There are three types of MIDI connectors. Each of them functions differently, as explained below.

MIDI OUT Connector

Transmits to an external unit's MIDI connector all the information originating on this unit (such as data describing what you are playing).

MIDI IN Connector

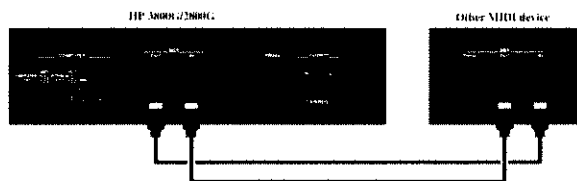
Receives the MIDI messages which arrive from an external MIDI device. Whenever a piece of equipment receives MIDI messages in this way, it will comply by playing specific notes, changing to a different sound, or otherwise do whatever it is that the messages request.

MIDI THRU Connector

Passes on (without change) the same stream of messages that have been flowing in at MIDI IN.

The HP 3800G/2800G is equipped with two of the above types of MIDI connectors (MIDI IN and MIDI OUT).

Look at the example below, then connect MIDI cables between the appropriate MIDI connectors when you want to have this instrument communicate with some other piece of equipment.



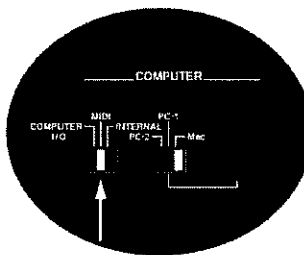
** It is not always necessary to connect two MIDI cables. You should alter the above configuration to match your intentions.*

Before Connecting with Other MIDI Devices

Before using your HP 3800G/2800G while connected with other MIDI devices, you need to make sure that it is set properly, as explained in the following. With the wrong settings, you might find that your equipment doesn't provide the expected response, or even that no sound at all is produced.

Setting the Computer Switch

When you wish to use MIDI to connect with an external device, you first need to set the COMPUTER switch on the rear panel to "MIDI" (the switch to the right of that can be at any position).



** Always make sure to turn OFF the power on your HP 3800G/2800G before you change the setting for the COMPUTER switch.*

** Whenever the COMPUTER switch on the rear panel is set to "MIDI," the display will show what appears below, and you will not be able to use the Piano Partner.*



In addition to these settings, you may also need to set the MIDI Transmit Channel or switch Local Control On/Off. Please see page 38.

Connecting with a Computer

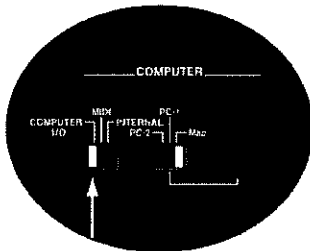
The HP 3800G/2800G is equipped with a COMPUTER connector. After connecting a cable between this connector and the serial port on your computer, you will be able to exchange performance information between them.

Important Note About Connecting with a Computer

When connecting your HP 3800G/2800G with a computer, you need to make sure that it is set properly, as explained in the following. If you have it at the wrong settings, your equipment may not provide quite the expected response, or you might not hear any sound.

About Computer Cables/Baud Rate

You can connect your HP 3800G/2800G directly to a computer by connecting the appropriate cable between the COMPUTER connector on the HP 3800G/2800G and the serial port on your computer. Also, you need to set the COMPUTER switch on the rear panel to "COMPUTER."



- * Always make sure to turn OFF the power on your HP 3800G/2800G before you change the setting for the COMPUTER switch.
- * Whenever the COMPUTER switch on the rear panel is set to "COMPUTER," the display will show what appears below, and you will not be able to use the Piano Partner contained inside the HP 3800G/2800G.



Additionally, you will need to select one of the settings explained next so that the baud rate is matched with the computer and software you are using (the baud rate is the speed at which the computer and the HP 3800G/2800G will exchange data).

Examples:

Connecting with a Computer in the Apple Macintosh Family

Connect the cable (RSC-15APL; optionally available) between the modem (or printer) port on the Apple Macintosh and the COMPUTER connector on the HP 3800G/2800G. Also, set the COMPUTER switch at the right to the "MAC" position.

Additionally, you should use the "Patch Bay" utility on your Macintosh to set the Interface Type to "1 MHz" (the clock speed of the MIDI interface).

Connecting with an IBM PC

Connect the cable (RSC-15AT; optionally available) between a serial port (COM 1 or COM 2) on the IBM PC and the COMPUTER connector on the HP 3800G/2800G. Also, set the COMPUTER switch at the right to the "PC-2" position.

In addition to these settings, you may also need to set the MIDI Transmit Channel or switch Local Control On/Off. Please see page 38.

4. About MIDI and the Computer Interface

Settings for the MIDI Channel and Local On/Off

You will not be able to use one device to play another, or be able to change the sounds the other unit uses simply by connecting MIDI cables between them, unless you also make sure that their respective MIDI channel settings are appropriately matched.

Additionally, the HP 3800G/2800G also provides a "Local" setting, which if switched to "Off," will set it so only MIDI data that arrives at its MIDI IN will cause it to sound. The keyboard itself will produce no sound in this case. (In either case, though, performance data will be sent out from MIDI OUT.)

When the external MIDI device is a synthesizer or sound module, You will need to set Local Control to "On" if you want to hear the HP 3800G/2800G.

* For further information about *Soft Thru*, refer to the manual which came with your sequencer.

To set the MIDI channel or switch "Local" on and off, perform the steps below:



1. Press **FUNCTION EXIT** and confirm that its indicator has started flashing.

2. Press **PLAY**. (The button's indicator will light.)

If you want to cancel at this point, press **FUNCTION EXIT**, so the indicator goes out.

3. Use **VARIATION** to set the Transmit Channel.

The display will show you the current setting. The available settings include: $\square 1$ through $\square 16$ (Channels 1—16 at Local ON); and $\square \square 1$ through $\square \square 16$ (Channels 1—16 at Local OFF).

4. Press **FUNCTION EXIT** and confirm that its indicator has gone out.

* Each time the instrument is powered up, it is automatically set for a transmit channel of "1" and to "Local ON."

* The unit will accept all data that arrives from an external MIDI device, regardless of the channel it is on.

SPECIFICATIONS

HP 3800G/2800G: Roland Digital Piano

<Keyboard>

88 keys (weighted-counterlever mechanism)

<Sound Source>

compatible with General MIDI System Level 1 / compatible with GS Format

Maximum Polyphony: 28 voices

Number of Parts: 16 (accompaniment) +2 (keyboard)

Number of Tones

Panel Selection: 5 groups, 85 tones

Selection by MIDI: 226

Number of Drum Sets (include a SFX set)

Panel Selection: 2

Selection by MIDI: 9

Effects

Reverb

Chorus

<Sequencer>

Capacity Internal: 1 Song approximately 21,000 sounds

Disk (3.5inch 2HD/1.44MB):

99 Songs approximately 240,000 sounds

Track number: 5

Resolution: 120 ticks/quarter note

Tempo: Quarter note = 20 — 250 beats per minutes

<Feature>

• Basic Section

Selecting Sounds (Dual play is possible)

Basic Sounds: 5 sounds

Variation Sounds: 82 sounds

Key transpose by keyboard (-6 — +5 half-steps)

Effects

Chorus (ON, OFF)

Reverb (ON, OFF)

3 different key touch settings (light, medium, heavy)

• Metronome and Piano Partner Section

Metronome (ON, OFF)

Time Signature: 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, 12/8

Tempo: 20 — 250

All Song Play (ON, OFF)

Song selection: 1 — 99

Reset, Stop, Play (playback), Rec (record),

Backward (rewind), Forward (fast forward),

Start playing with the Lead-in, Marking,

Track selection (rhythm, 1, 2, 3, 4),

Playback balance volume

• Other Functions

Key transpose (-6 — +5 half-steps)

Playback transpose (-6 — +5 half-steps)

Master tuning: 415.3Hz — 466.2Hz

Pedal mode (sostenuto, play/stop)

Save (writing to disk)

Format

Chorus (10 level settings)

Reverb (10 level settings)

Metronome volume (10 level settings)

Muting part: OFF, 1—16

Input selection: MIDI, INT, COMPUTER

Computer Selection: MAC, PC1, PC2

<Display>

7 segment LED x 3, Mode LED x 6

<Connectors>

Headphone Jack (Stereo)

Output Jacks x 2 (Mono/Stereo)

MIDI Connectors (In, Out)

Pedal Connector (8 pin DIN)

Computer Connector

<Playback System>

Speakers: 20cm x 2

Rated Power Output: 40W x 2 (HP 3800G)

30W x 2 (HP 2800G)

<Cabinet Finish>

HP 3800G: Dark walnut

HP 2800G: Rosewood

<Power Consumption>

110W (AC117V), 90W (AC230V), 90W (AC240V)

<Dimensions (Total)>

HP 3800G: 1460 (W) x 559 (D) x 890 (H) mm

57-1/2 (W) x 22 (D) x 35 (H) inches

HP 2800G: 1444 (W) x 500 (D) x 839 (H) mm

56-7/8 (W) x 19-11/16 (D) x 33 (H) inches

<Weight (Total)>

HP 3800G: 77.2kg/170 lbs 3 oz

HP 2800G: 62.0kg/136 lbs 11 oz

<Accessories>

Owner's Manual

Demo Song Chart

Power Cord

Music Rest

* *The specifications for this product are subject to change without prior notice.*

Error Chart

E00

Meaning: Due to copyright protection, you cannot save to a disk different than the original one.
You should: Save it on the same disk.

E01

Meaning: Music data of this type cannot be saved onto disk.
You should: Use Roland ISM Music Data, or Roland SMF Music Data.

E02

Meaning: The disk protect tab is set to "Write Protect."
You should: Move the tab to the "Write" position. (See page 7 in the manual.)

E03

Meaning: You cannot format or save something onto a master disk.
You should: Save onto a disk that has been newly formatted on this unit. (Refer to p. 33.)

E10

Meaning: No disk is inserted in the disk drive.
You should: Insert a disk in the disk drive.

E11

Meaning: It cannot be saved because there is not enough storage space remaining on the disk.
You should: Use another disk that has been formatted on this unit.

E12

Meaning: Because the disk is not formatted, you cannot save onto it.
You should: Use a disk that has been formatted on this unit. (See p. 33.)

E13

Meaning: The disk was taken out of the drive while saving or formatting was in progress.
You should: Do the procedure over again. However, after the save or format is initiated, do not take out the disk until after you see the message indicating the process has been completed.

E14

Meaning: A corrupt sector was discovered on the disk's surface.
You should: Have ready a different disk that was formatted on this unit.

E20

Meaning: Disks of this type cannot be read.
You should: Use Roland ISM Music Data, Roland SMF Music Data, or a PIANO DISK.

E21

Meaning: Music data of this type cannot be read.
You should: Use Roland ISM Music Data, Roland SMF Music Data, or a PIANO DISK.

E22

Meaning: The disk was taken out while a read was in progress.
You should: Reinsert the disk and do the procedure over again from the beginning. Never take out a disk while the unit is in the midst of playback or is in recording standby. And at all other times as well, you must always wait until the drive's indicator goes out before removing the disk.

E23

Meaning: A damaged sector was discovered on the disk.
You should: This music data can no longer be used.

E24

Meaning: The speed at which the disk can be read is not quite fast enough for proper song playback.
You should: First of all, press the STOP button. Then, press the RESET button, and after that once again press the PLAY button.

E30

Meaning: Because the size of the music data is large, only playback can be carried out.
You should: With music data like this, you cannot use the recording, rewind, fast forward, and data saving features of this unit. Such songs should be treated as being for listening only. Enjoy them using the "All Song Play" feature. (Page 25 in the manual.)

E31

Meaning: Because the size of the music data is large, recording cannot be performed.
You should: This music data should be treated as being for listening only. It can be enjoyed using the "All Song Play" feature. (Page 25 in the manual.)

E32

Meaning: Recording was canceled.
You should: No further recording can be carried out since an excessively large number of performance messages were generated.

E40

Meaning: Because a lot of MIDI data was sent at once, the HP3800G/2800G could not properly process it.
You should: Press the STOP button to get the error message to go away.

E41

Meaning: A problem occurred — possibly a MIDI cable or a computer cable was pulled out.
You should: Press the STOP button to get the error message to go away.

E42

Meaning: Because an excessive number of performance messages were sent at one time, recording could not be carried out.
You should: Press the STOP button to get the error message to go away.

E50

Meaning: The Piano Partner could not be used since the unit was in the MIDI or COMPUTER I/O input mode.
You should: Refer to pages 36—38.

** After any of these error messages have appeared, the unit will immediately return to normal operation. The message will continue being displayed, though, until you press one of the panel's buttons (it doesn't matter which one). The error message will then go away.*

For Germany

Bescheinigung des Herstellers/Importeurs

Hiermit wird bescheinigt, daß der/die/das

Roland Digital Piano HP 3800G / HP 2800G

(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der BMPT-AmtsblVlg 243/1991 funk-entstört ist. Der vorschriftsmäßige Betrieb mancher Geräte (z. B. Meßsender) kann allerdings gewissen Einschränkungen unterliegen. Beachten Sie deshalb die Hinweise in der Bedienungsanleitung.

Dem Zentralamt für Zulassungen im Fernmeldewesen wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf die Einhaltung der Bestimmungen eingeräumt.

Roland Corporation

4-16 Dojimahama 1-Chome Kita-ku Osaka 530 Japan

(Name und Anschrift des Herstellers/Importeurs)

For the USA

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

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

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

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

CLASS B

NOTICE

This digital apparatus does not exceed the Class B limits for radio noise emissions set out in the Radio Interference Regulations of the Canadian Department of Communications.

CLASSE B

AVIS

Cet appareil numérique ne dépasse pas les limites de la classe B au niveau des émissions de bruits radioélectriques fixés dans le Règlement des signaux parasites par le ministère canadien des Communications.

Information

When you need repair service, call your local Roland Service Station or the authorized Roland distributor in your country as shown below.

U. S. A.

Roland Corporation US
7200 Dominion Circle
Los Angeles, CA. 90040-
3696, U. S. A.
TEL: (213) 685-5141

CANADA

Roland Canada Music Ltd.
(Head Office)
5480 Parkwood Way
Richmond B. C., V6V 2M4
CANADA
TEL: (604) 270-6626

Roland Canada Music Ltd.

(Montreal Office)
9425 Transcanadienne
Service Rd. N., St Laurent,
Quebec H4S 1V3, CANADA
TEL: (514) 335-2009

Roland Canada Music Ltd.

(Toronto Office)
346 Watline Avenue,
Mississauga, Ontario L4Z
1X2, CANADA
TEL: (416) 890-6488

AUSTRALIA

Roland Corporation Australia Pty. Ltd.
38 Campbell Avenue
Doe Why West, NSW 2099
AUSTRALIA
TEL: (02) 982-8266

NEW ZEALAND

Roland Corporation (NZ) Ltd.
97 Mt. Eden Road, Mt. Eden,
Auckland 3, NEW ZEALAND
TEL: (09) 3098-715

UNITED KINGDOM

Roland (U.K.) Ltd.
Rye Close Ancells Business
Park Fleet, Hampshire GU13
BUY, UNITED KINGDOM
TEL: 0252-816181

**Roland (U.K.) Ltd.,
Swansea Office**

Atlantic Close, Swansea
Enterprise Park, Swansea,
West Glamorgan SA29FL,
UNITED KINGDOM
TEL: (0792) 700-139

IRELAND

**The Dublin Service
Centre Audio
Maintenance Limited**
11 Brunswick Place Dublin 2
Republic of Ireland
TEL: 010 351 1677322

ITALY

Roland Italy S. p. A.
Viale delle Industrie 8 20020
ARESE MILANO ITALY
TEL: 02-93581311

SPAIN

**Roland Electronics de
España, S. A.**
Calle Bolivia 239 08020
Barcelona, SPAIN
TEL: 93-308-1000

GERMANY

**Roland Elektronische
Musikinstrumente
Handelsgesellschaft mbH.**
Oststrasse 9b, 22844
Norderstedt, GERMANY
TEL: 040/52 60 090

FRANCE

**Guillard Musiques
Roland**
ZAC de Rosarge 01700
MIRIBEL FRANCE
TEL: (7) 226-50 60

Guillard Musiques

Roland (Paris Office)
1923 rue Léon Geoffroy
94400 VITRY-SUR-SEINE
FRANCE
TEL: (1) 4680 86 62

BELGIUM/HOLLAND/ LUXEMBOURG

Roland Benelux N. V.
Houstraat 1 B-2260 Oevel-
Westerlo BELGIUM
TEL: (0032) 14-575811

DENMARK

Roland Scandinavia A/S
Langebrogade 6 Box 1937
DK-1023 Copenhagen K,
DENMARK
TEL: 31-95 31 11

SWEDEN

Roland Scandinavia A/S
Danvik Center 2B A, 2 tr.
S-131 30 Nacka SWEDEN
TEL: 08-702 00 20

NORWAY

**Roland Scandinavia Avd.
Kontor Norge**
Lilleakerveien 2 Postboks 95
Lilleaker N-0216 Oslo 2
NORWAY
TEL: 22-73 00 74

FINLAND

Fazer Musik Inc.
Einsituulentie POB 169,
SF-02101 Espoo FINLAND
TEL: 0-43 50 11

SWITZERLAND

**Roland CK (Switzerland)
AG**
Gerberstrasse 5, CH-4410
Liestal, SWITZERLAND
TEL: 061/921 16 15

AUSTRIA

E. Dematte & Co.
Neu-Rum Siemens-Strasse 4
A-6040 Innsbruck P.O.Box
83
AUSTRIA
TEL: (0512) 26 44 260

GREECE

V. Dimitriadis & Co. Ltd.
20, Alexandras Avn., GR
10682 Athens, GREECE
TEL: 01-8232415

PORTUGAL

**Casa Caius Instrumentos
Musicais Lda.**
Rua de Santa Catarina 133
4000 Porto, PORTUGAL
TEL: 02-38 44 56

HUNGARY

Intermusica Ltd.
Warehouse Area 'DEPO'
Törökbalint, Budapest
HUNGARY
TEL: (1) 1868905

ISRAEL

D.J.A. International Ltd.
11 Bar Giora St., Tel Aviv
ISRAEL
TEL: 972-3-525-3834

CYPRUS

**Radex Sound Equipment
Ltd.**
17 Diagonou St., P.O.Box
2046, Nicosia CYPRUS
TEL: 453426, 466423

U.A.E

**Zak Electronics &
Musical Instruments Co.**
P.O. Box 8050
DUBAI, U.A.E
TEL: 695774

SAUDI ARABIA

**Omar Badoghaish
Trading Corp.**
P.O. Box 5980
Jeddah, SAUDI ARABIA
TEL: 966-02-6607038

KUWAIT

Easa Husain Al-Yousifi
P.O. Box 126 Safat 13002
KUWAIT
TEL: 965-5719499

LEBANON

A. Chahine & Fils
P.O. Box 16-5857
Beirut, LEBANON
TEL: 335799

TURKEY

Barkat Sanayi ve Ticaret
Siraselviler Cad. 86/6 Taksim
Istanbul, TURKEY
TEL: 212-2499324

EGYPT

Al Fanny Trading Office
9, Ebn Hagar Ai Askalany
Street, Ard El Golf,
Heliopolis, Cairo, 11341
EGYPT
TEL: 2917803-665918

QATAR

Badie Studio & Stores
P.O.Box 62,
DOHA Qatar
TEL: 974 4233554

BAHRAIN

Moon Stores
Bad Al Bahrain Road,
P.O.Box 20077
State of Bahrain
TEL: (0973) 211 005

BRAZIL

Roland Brasil Ltda.
R. Alvarenga 591 CEP-05509
Sao Paulo BRAZIL
TEL: (011) 210-7266

MEXICO

**Casa Veerkamp, s.a. de
c.v.**
Mesones No. 21 Cof. Centro
MEXICO D.F. 06080
TEL: (5) 709-3716

La Casa Wagner de

Guadalajara s.a. de c.v.
Av. Corona No. 202 S.J.
C.P. 44100 Guadalajara,
Jalisco MEXICO
TEL: (36) 13-1414

VENEZUELA

Musicland Digital C.A.
Av. Francisco De Miranda,
Centro Parque Cristal, Nivel
C2 Local 20 Caracas
VENEZUELA
TEL: (2)2844497

PANAMA

**Productos Superiores,
S.A.**
Apartado 655 - Panama 1
REP. DE PANAMA
TEL: 26-3322

ARGENTINA

**Instrumentos Musicales
S.A.**
Florida 638
(1005) Buenos Aires
ARGENTINA
TEL: (1)394-4029

HONG KONG

**Tom Lee Music Co., Ltd.
Service Division**
22-32 Pun Shan Street, Tsuen
Wan, New Territories,
HONG KONG
TEL: 415-0911

KOREA

**Cosmos Corporation
Service Station**
261 2nd Floor Nak-Won
Arcade Jong-Ro ku, Seoul,
KOREA
TEL: (02) 742 8844

SINGAPORE

Swee Lee Company
BLOCK 231,
Bain Street #03-23
Bras Basah Complex,
Singapore 0718
TEL: 3367886

PHILIPPINES

**G.A. Yupangco & Co.
Inc.**
339 Gil I. Puyat Avenue
Makati, Metro Manila 1200,
PHILIPPINES
TEL: 02 (817) 0013

THAILAND

Theera Music Co., Ltd.
330 Veeng Nakorn Kasem,
Soi 2, Bangkok 10100,
THAILAND
TEL: 2248821

MALAYSIA

Bentley Music SDN BHD
No.142, Jalan Bukit Bintang
55100 Kuala Lumpur,
MALAYSIA
TEL: (03) 2443333

INDONESIA

PT Citrarama Relantika
Jl Alaydrus 84 B
Jakarta 10130
INDONESIA
TEL: (021) 3802638,
3802639

TAIWAN

**Siruba Enterprise
(Taiwan) Co., LTD.**
Room. 5, 9th. No. 112 Chung
Shan N.Road Sec.2 Taipei,
TAIWAN, R.O.C.
TEL: (02) 571-5860

SOUTH AFRICA

**That Other Music Shop
(PTY) Ltd.**
11 Melle Street (Cnr Melle
and Juta Street)
Braamfontein 2001
Republic of South Africa
TEL: 27 11 403-4105

Paul Bothner (PTY) Ltd.

17 Werdmuller Centre
Claremont 7700
Republic of South Africa
TEL: 021-64-4030

As of Dec. 2, 1993

Demo Song Chart

Please note that relevant laws prohibit the recording of the demonstration songs on tape, as well as their use for public performance or broadcast (and all other usage which would extend beyond private, personal enjoyment) without the permission of the holder of the rights to such material.

No.	Composer	Song Title	Rhythm Track	Track 1	Track 2	Track 3	Track 4	Comment
1.	Frédéric Chopin	Valse No.2 "Valse brillante" op.34-1			Piano Left Hand	Piano Right Hand	Piano Right Hand	
2.	Carl Maria von Weber	Rondo brillante "Auforderung zum Tanz" op.65			Piano Left Hand	Piano Right Hand	Piano Right Hand	
3.	Franz Schubert	Moments musicaux op.94-3			Piano Left Hand	Piano Right Hand	Piano Right Hand	
4.	Johannes Brahms	Walzer op.39-15			Piano Left Hand	Piano Right Hand	Piano Right Hand	
5.	Wolfgang Amadeus Mozart	Sonate für Klavier No.11 K.331, "Turkischer Marsch"			Piano Left Hand	Piano Right Hand	Piano Right Hand	
6.	Ludwig van Beethoven	Bagatelle "Für Elise" WoO.59			Piano Left Hand	Piano Right Hand	Piano Right Hand	
7.	Frédéric Chopin	Valse No.6 "Petit chien" op.64-1			Piano Left Hand	Piano Right Hand	Piano Right Hand	
8.	Claude Achille Debussy	2 Arabesques No.1 E-dur			Piano Left Hand	Piano Right Hand	Piano Right Hand	
9.	Claude Achille Debussy	Suite bergamasque No.3 "Clair de lune"			Piano Left Hand	Piano Right Hand	Piano Right Hand	
10.	Frédéric Chopin	Nocturne No.5 op.15-2			Piano Left Hand	Piano Right Hand	Piano Right Hand	
11.	Johann Sebastian Bach	Das wohltemperierte Klavier, 2 teil, 24 Präludium und Fuga BWV.880, No.11 Fuga			Piano Left Hand	Piano Right Hand	Piano Right Hand	
12.	Wolfgang Amadeus Mozart	12 Variationen über ein französisches Lied "Ah, vous dirai-je, maman" K.265			Piano Left Hand	Piano Right Hand	Piano Right Hand	
13.	Frédéric Chopin	Fantaisie-impromptu op.66			Piano Left Hand	Piano Right Hand	Piano Right Hand	
14.	Frédéric Chopin	12 Etudes "Black keys" op.10-5			Piano Left Hand	Piano Right Hand	Piano Right Hand	
15.	Frédéric Chopin	Polaraise No.6 "Héroïque" op.53			Piano Left Hand	Piano Right Hand	Piano Right Hand	
16.	Edward Hagerup Grieg	Piano Konsert op.16		Orchestra	Piano Left Hand	Piano Right Hand	Piano Right Hand	
17.	Ferdinand Beyer	Vorschule im Klavierspiel op.101			Piano Left Hand	Piano Right Hand	Piano Right Hand	
18.		No.67			Piano Left Hand	Piano Right Hand	Piano Right Hand	
19.		No.73			Piano Left Hand	Piano Right Hand	Piano Right Hand	
20.		No.80			Piano Left Hand	Piano Right Hand	Piano Right Hand	
21.		No.83			Piano Left Hand	Piano Right Hand	Piano Right Hand	
22.	Carl Czerny	Schule der Gelfüßigkeit op.849			Piano Left Hand	Piano Right Hand	Piano Right Hand	
23.		No.1			Piano Left Hand	Piano Right Hand	Piano Right Hand	
24.		No.2			Piano Left Hand	Piano Right Hand	Piano Right Hand	
25.		No.3			Piano Left Hand	Piano Right Hand	Piano Right Hand	
26.		No.4			Piano Left Hand	Piano Right Hand	Piano Right Hand	
27.	J.F. Franz Brugmüller	25 Etuden op.100			Piano Left Hand	Piano Right Hand	Piano Right Hand	
28.		No.1 "La candeur"			Piano Left Hand	Piano Right Hand	Piano Right Hand	
29.		No.2 "Arabesque"			Piano Left Hand	Piano Right Hand	Piano Right Hand	
30.		No.9 "La chose"			Piano Left Hand	Piano Right Hand	Piano Right Hand	
31.		No.14 "La Syrienne"			Piano Left Hand	Piano Right Hand	Piano Right Hand	
32.	Theodor Ceston	No.25 "La chevaleresque"			Piano Left Hand	Piano Right Hand	Piano Right Hand	
33.	Albert Ellmenreich	Dolly's Dreaming Awakening op.203-4			Piano Left Hand	Piano Right Hand	Piano Right Hand	
34.	Johann Sebastian Bach	Spinnerlied op.14-4			Piano Left Hand	Piano Right Hand	Piano Right Hand	
35.	Francois Joseph Gossec	Aus dem zweiten Notenbuch der Anna Magdalena Bach, Menuett BWV. Anh. 1 14			Piano Left Hand	Piano Right Hand	Piano Right Hand	
36.	Wilma Anderson-Gilman	Gavotte			Piano Left Hand	Piano Right Hand	Piano Right Hand	
37.	Hermann Necke	Battle of Waterloo			Piano Left Hand	Piano Right Hand	Piano Right Hand	
38.	Ludwig van Beethoven	Saikos post			Piano Left Hand	Piano Right Hand	Piano Right Hand	
39.	Robert Schumann	6 Menuette WoO.10 No.2 C-dur			Piano Left Hand	Piano Right Hand	Piano Right Hand	
40.	Johann Maut	Album für die Jugend op.68 No.10 "Fröhlicher Landmann"			Piano Left Hand	Piano Right Hand	Piano Right Hand	
41.		"Burlesque" For 2 pianos			Piano 1	Piano 2	Piano 2	Song for the two pianos
42.		Sun Daze	Drum Part		Piano	Piano 2	Piano 2	
43.		Secret Agent	Drum Part		Piano	Piano 2	Piano 2	
44.		Sympatation	Drum Part		Piano	Piano 2	Piano 2	
45.		Theme For "Constance"	Drum Part		Piano	Piano 2	Piano 2	
46.		Court On Blues	Drum Part		Piano	Piano 2	Piano 2	
47.		The "keepers" Tale	Drum Part		Piano	Piano 2	Piano 2	
48.		One Down and Easy	Drum Part		Piano	Piano 2	Piano 2	
49.		Song from the Palovlavian Dances (by Borodin)	Drum Part		Piano	Piano 2	Piano 2	
50.		Buller Train Boogie	Drum Part		Piano	Piano 2	Piano 2	
		A Little Schnapps und Schnitzel	Drum Part		Piano	Piano 2	Piano 2	Four-hand playing

Tone Chart

Tone Group: Piano

V. No	Tone Name	Comment
1	Piano 1	Grand piano
2	Piano 2	Bright piano for pops
3	Honky-tonk	Honky-tonk piano
4S	Bass/Piano 1	Acoustic bass and piano are layered
5S	Bass/Piano 2	Fretless bass and piano are layered

Tone Group: Harpsichord

V. No	Tone Name	Comment
1	Harpsichord 1	
2	Harpsichord 2	Brilliant harpsichord
3	Clav.	

Tone Group: Vibraphone

V. No	Tone Name	Comment
1	Vibraphone	
2	Celesta	
3	Marimba	
4	Tubular Bell	
5	Bass/Vibraphone	Acoustic bass and vibraphone are layered
6	Pizzicato/Celesta	Pizzicato strings and vibraphone are layered

Tone Group: Electric Piano

V. No	Tone Name	Comment
1*	Electric Piano 1	Electric piano (created using the Roland SA process)
2	Electric Piano 2	Rhodes electric piano sound
3	Synth Piano	Synthesizer piano
4S	Bass/Electric Piano 1	Acoustic bass and electric piano 1 layered
5S	Bass/Electric Piano 2	Electric bass and electric piano 1 layered
6S	Bass/Electric Piano 3	Fretless bass and electric piano 1 layered
7S	Bass/Synth Piano 1	Acoustic bass and synth piano layered
8S	Bass/Synth Piano 2	Electric bass and synth piano layered
9S	Bass/Synth Piano 3	Fretless bass and synth piano layered

Tone Group: Strings

V. No	Tone Name	Comment
1*	Strings Section 1	Strings section
2	Strings Section 2	Mellow strings section
3	Synth Strings	Synthesizer strings section
4	Electric Organ 1	Electric organ for jazz
5	Electric Organ 2	Electric organ for jazz
6	Church Organ	Pipe Organ
7	Accordion	
8	Harmónica	
9	Acoustic Guitar 1	Nylon-string acoustic guitar sound
10	Acoustic Guitar 2	Steel-string acoustic guitar sound
11	Electric Guitar 1	Electric guitar for jazz
12	Electric Guitar 2	Electric guitar played with a muted technique
13	Electric Guitar 3	Electric guitar for rock
14	Acoustic Bass	Acoustic (wood) bass
15	Electric Bass 1	Bright electric bass
16	Electric Bass 2	Electric fretless bass

V. No	Tone Name	Comment
17	Electric Bass 3	Slap bass
18	Synth Bass	Synthesizer bass
19	Violin	Contrabass, Cello, Violin
20	Pizzicato Strings	The sound of a violin's strings being plucked by hand.
21	Harp	
22	Choir Aahs	Vocal sound ideal for simulating a church choir
23	Voice Oohs	Vocal "ooh" sound
24	SynVox	Synthesizer simulation of human voice
25	Trumpet 1	
26	Trumpet 2	Trumpet played with a mute
27	French Horn	
28	Brass Section	
29	Synth Brass	Synthesizer brass section
30	Sax	
31	Oboe	
32	Bassoon	
33	Clarinet	
34	Flute	
35	Pan Flute	
36	Shakuhachi	Japanese bamboo flute
37	Whistle	
38	Ocarina	
39	Square Wave	Synthesized woodwind-like sound
40	Calliope	Synthesized breath sound
41	Fanfaña	Beautiful sound with a bell attack
42	Metal Pad	Bright and spacious sound
43	Sweep Pad	Wavy and dreamy sound
44	Soundtrack	Sci-fi type sound effects
45	Crystal	Sound of a crystal tube being struck
46	Atmosphere	Sound effect like strings being struck
47	Brightness	Sustained and echoed sound
48	Sitar	
49	Banjo	
50	Shamisen	
51	Koto	
52	Tinkle Bell	
53	Steel Drums	
54S	Bass/Guitar 1	Bass and acoustic guitar are layered
55S	Bass/Guitar 2	Bass and jazz guitar are layered
56S	Harp/Choir	Harp and choir are layered
57S	Bass/Trumpet	Bass and trumpet are layered
58S	Bass/Sax	Bass and sax are layered
59S	Piano/Flute	Piano and flute are layered
60S	Guitar/Flute	Acoustic guitar and flute are layered
61S	Bass/Flute	Bass and flute are layered
62S	Harp/Flute	Harp and flute are layered
63R	Drum Set	Drum set and latin percussion
64R	SFX Set	Set of the various percussion

V. No.: Variation Number

Sounds marked with an "S" produce two different sounds, one for the lower range and another within the upper range of the keyboard.

Sounds marked with an "R" are collections of percussive sounds. A different sound is assigned to each key.

Sounds marked with either a "*" or an "S" do not comply with the GS Format, since they are newer sounds unique to this instrument. Remember that these sounds should not be used when making recordings on disk, if you afterwards hope to have all of your music be reproduced faithfully on GS Format devices other than this instrument.

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