

Roland Digital Piano **HP 237**
Owner's Manual

USING THE UNIT SAFELY 3
IMPORTANT NOTES 4

Main Features of the HP 237 5
Button Descriptions 6
Getting Started 8
 Connecting the Power Cord..... 8
 Opening and Closing the Lid..... 8
 About the Pedals..... 8
 Turning the Power On and Off..... 9
 Adjusting the Volume..... 9
 Setting the Music Stand 9
 Connecting Headphones 10

Listening to the Demo Songs..... 11
 Playing/Stopping the Demo Songs 11
 Selecting a Song for Playback 12
 About the Demo Songs 13

Playing the Keyboard 14
 Playing with Various Sounds 14
 Layering Two Instrument Sounds–Dual Play 14
 Using Two Different Sounds for Right And Left Hands–Split Function 15
 Adding Reverberation to the Sound–Reverb Effect 16
 Adding Breadth to the Sound–Chorus Effect 17
 Sounding the Metronome 18



Try Recording Your Performance 20
 Recording 20
 Listening to the Recorded Performance 22
 Deleting Recorded Songs 22

Convenient Functions 23
 Changing Keyboard Touch Sensitivity..... 23
 Transposing without Changing Your Fingering–Key Transpose 23
 Adjusting the Pitch of the Sound–Master Tuning 24
 Changing the Depth of the Reverb..... 25
 Changing the Depth of the Chorus 25
 Changing the Damper Pedal's Resonance 25
 Playing Songs Using Tunings from Classical Music 26
 Changing Tuning Curves 27
 Disabling Buttons–Panel Lock..... 27

Connecting to MIDI Devices..... 28
 About the MIDI Connectors..... 28
 Making the Connections..... 28
 Cautions when Connecting an External MIDI Device
 (Local On/Off and Omni On/Off)..... 29
 Set the MIDI Channel..... 30
 Transmitting/Receiving Sound Selection Data–Program Change 31
 Turning Transmission and Reception of Control Changes On/Off 32
 Transmitting Performance Data from MIDI Out 32

Troubleshooting 33
Functions Assigned to the Keyboard..... 34
MIDI Implementation Chart 35
Specifications 36
Index..... 37

Before using this unit, carefully read the sections entitled: "IMPORTANT SAFETY INSTRUCTIONS" (p. 2), "USING THE UNIT SAFELY" (p. 3), and "IMPORTANT NOTES" (p. 4). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
ATTENTION - RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR		
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.		



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 into 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.
 Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠ WARNING and ⚠ CAUTION Notices

⚠ WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠ CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

	The ⚠ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The ⚡ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The ⚡ symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

⚠ WARNING

- Before using this unit, make sure to read the instructions below, and the Owner's Manual.
- Do not open or perform any internal modifications on the unit.
- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.
- Avoid damaging the power cord. Do not bend it excessively, step on it, place heavy objects on it, etc. A damaged cord can easily become a shock or fire hazard. Never use a power cord after it has been damaged.
- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.
- Protect the unit from strong impact. (Do not drop it!)
- Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.
- Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

⚠ CAUTION

- Always grasp only the plug on the power-supply cord when plugging into, or unplugging from, an outlet or this unit.
- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.
- Never climb on top of, nor place heavy objects on the unit.
- Never handle the power cord or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.
- If you need to move the instrument, take note of the precautions listed below. At least two persons are required to safely lift and move the unit. It should be handled carefully, all the while keeping it level. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.
 - Check to make sure the knob bolts securing the unit to the stand have not become loose. Fasten them again securely whenever you notice any loosening.
 - Disconnect the power cord.
 - Disconnect all cords coming from external devices.
 - Raise the adjusters on the stand (p. 8).
 - Close the lid.
 - Remove the music stand.
- Before cleaning the unit, turn off the power and unplug the power cord from the outlet (p. 9).
- Whenever you suspect the possibility of lightning in your area, pull the plug on the power cord out of the outlet.
- Be careful when opening/closing the lid so you do not get your fingers pinched (p. 8). Adult supervision is recommended whenever small children use the unit.

IMPORTANT NOTES

In addition to the items listed under "IMPORTANT SAFETY INSTRUCTIONS" and "USING THE UNIT SAFELY" on pages 2 and 3, please read and observe the following:

Power Supply

- Do not use this unit on the same power circuit with any device that will generate line noise (such as an electric motor or variable lighting system).
- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.
- To avoid possible breakdown, do not use the unit in a wet area, such as an area exposed to rain or other moisture.

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 cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.

- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Additional Precautions

- Unfortunately, it may be impossible to restore the contents of data that was stored on a floppy disk once it has been lost. Roland Corporation assumes no liability concerning such loss of data.
- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- A small amount of heat will radiate from the unit during normal operation.
- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).
- When you need to transport the unit, pack it in shock-absorbent material. Transporting the unit without doing so can cause it to become scratched or damaged, and could lead to malfunction.



This product complies with the requirements of European Directives EMC 89/336/EEC and LVD 73/23/EEC.

For EU Countries

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 the USA

NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

For Canada

Main Features of the HP 237

Authentic piano performances

High-quality concert grand piano sounds, and a keyboard that's a true pleasure to play assure an even more realistic piano-playing experience.

- **Captures the brilliant resonance**

The sound of a grand piano has a more brilliant timbre than that of an upright piano. This is because the sound of a grand piano contains a greater amount of high-frequency components. The piano sounds of the HP 237 reproduce this characteristic of the grand piano.

- **Reproduces the extended high-frequency response**

One of the features of the acoustic piano is that for the approximately one and a half octaves at the top of the range, there is no damper to restrict the vibration of the strings. This allows the vibration of the string to continue whether or not the damper pedal is pressed. Since this also allows these strings to vibrate sympathetically with other strings, they can sometimes be heard sounding independently from the low and middle-register strings.

The HP 237 faithfully simulates these characteristics of the acoustic piano.

Eight Tones for use in a wide variety of musical genres

The HP 237 features not only piano tones, but eight different internal tones that you can use in a variety of musical genres.

Three Metronome sounds

The HP 237 provides a metronome that lets you use three different sounds. You can easily adjust the tempo and time.

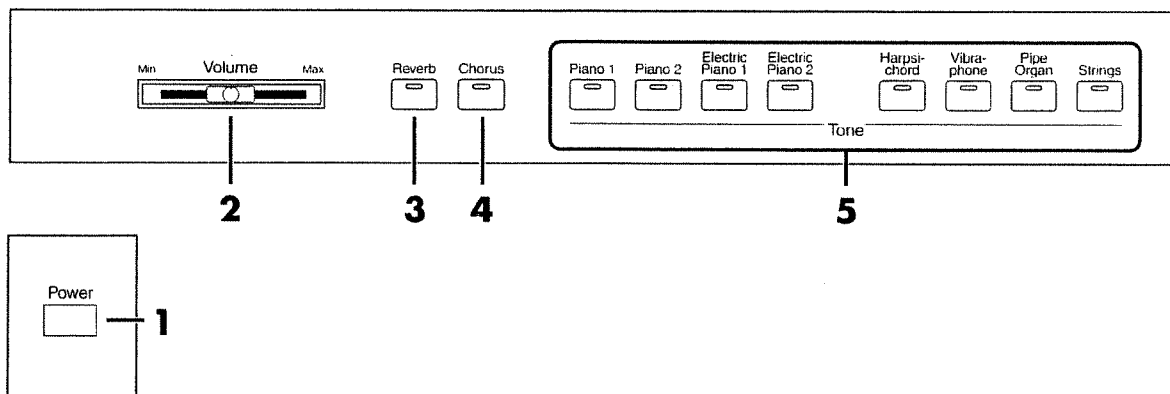
Record your own performances

The HP 237 makes it easy to record your own performances.

Button Descriptions



Button, switch and knob names are enclosed in square brackets ([]).



1 [Power] Switch

Pressed to switch the power on and off (p. 9).

2 [Volume] Slider

Adjusts the overall volume (p. 9).

3 [Reverb] Button

Used to add reverberation to the sound (p. 16).

4 [Chorus] Button

Adds the Chorus Effect to the sound (p. 17).

5 Tone Buttons

The following eight buttons are collectively referred to as the Tone buttons. These are used to select the tone to played via the keyboard (p. 14).

[Piano 1] Button

[Piano 2] Button

[Electric Piano 1] Button

[Electric Piano 2] Button

[Harpsichord] Button

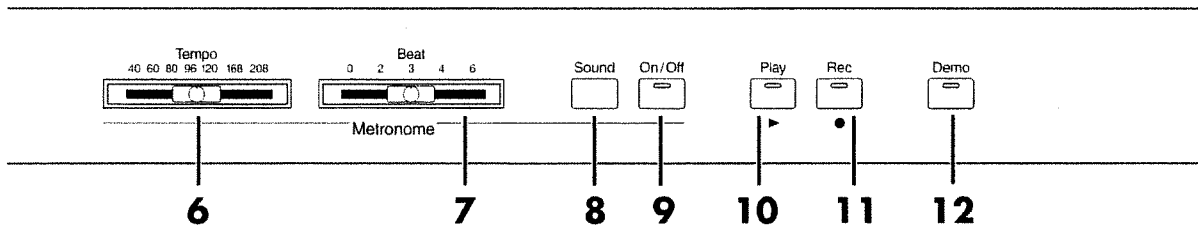
[Vibraphone] Button

[Pipe Organ] Button

[Strings] Button

By holding down three of these buttons while you then press a specific key, you can make various settings on the HP 237.

→ “Functions Assigned to the Keyboard” (p. 34)



6 Metronome [Tempo] Slider

This adjusts the tempo of the metronome (p. 19).

7 Metronome [Beat] Slider

Used to select the time of the metronome (p. 19).

8 Metronome [Sound] Button

This is used to change the metronome sound (p. 19).
This button is also used in setting the Split function (p. 15).

9 Metronome [On/Off] Button

Activates the built-in metronome (p. 18).

10 [Play] Button

This starts and stops the demo songs, or a recorded performance (p. 11, p. 22).
It also is used to start/stop recording (p. 20).

11 [Rec] Button

Press this button to put HP 237 in recording standby (p. 20).

12 [Demo] Button

This plays the demo songs (p. 11).
By holding down this button while you then press a specific key, you can make various settings on the HP 237.
→ "Functions Assigned to the Keyboard" (p. 34)

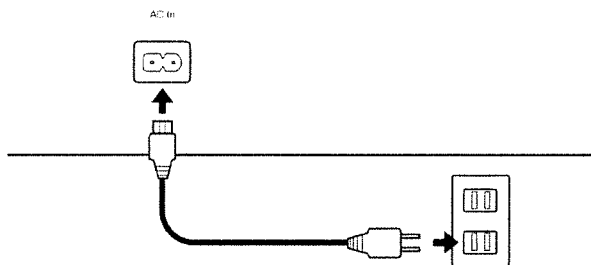
Getting Started

Connecting the Power Cord

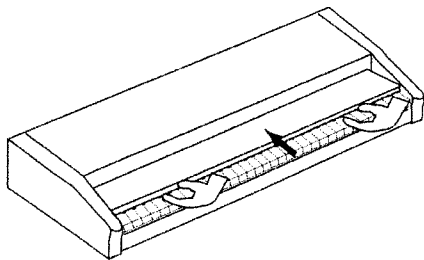
NOTE

To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

1. Connect the supplied power cable to the AC Inlet on the rear panel of the HP 237.
2. Connect the power cable to an AC outlet.



Opening and Closing the Lid



1. When opening the HP 237's lid, grasp the lid with both hands and gently lift it upwards, then slide it towards the back of the piano.
2. When closing the lid, slowly pull the lid forward, then gently lower it into place.

Do not insert your hands into the inside of the piano through the space between the lid and the keyboard.

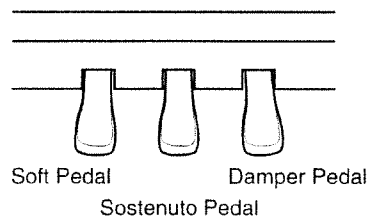
NOTE

Take care not to allow fingers to be caught or pinched when opening and closing the lid. Make sure an adult is on hand to provide assistance when young children are playing the HP237.

NOTE

For safety, transport the keyboard only with the lid in the closed position.

About the Pedals



Soft Pedal

This pedal softens the sound.

Playing with the soft pedal depressed produces a sound that is not as strong as when otherwise played with the equivalent strength.

Sostenuto Pedal

With the sostenuto pedal, only the sound played at the moment the pedal is pressed is sustained.

Damper Pedal

Use this pedal when you want the sound to linger.

While the damper pedal is depressed, the sound from the keyboard continues to linger/remain for an extended period, even when you remove your fingers from the keys.

On acoustic pianos, when the damper pedal is depressed, additional strings are released to resonate with the sound of the keys that have been played, adding richness and breadth to the sound. The damper pedal on the HP 237 recreates this resonance when depressed. This resonance is called "Sympathetic Resonance."

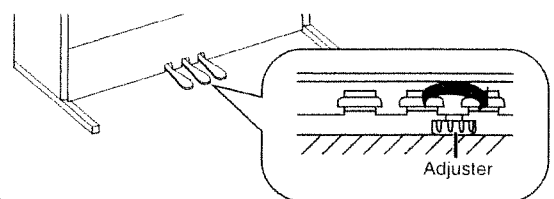
MEMO

You can change the amount of resonance applied with the damper pedal. For more information and instructions, please refer to "Changing the Damper Pedal's Resonance" (p. 25).

About the Adjuster

After you have moved this piano, or when you feel it is unbalanced, lower the adjuster at the bottom of the pedal board as follows:

1. Lower the adjuster so that it is firmly in contact with the floor. If there is a gap between the adjuster and the floor, the unit may malfunction when the pedal is pressed. In particular when the instrument is placed on a carpeted floor, you must lower the adjuster so that it presses strongly against the floor.



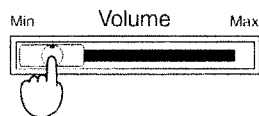
Turning the Power On and Off

NOTE

Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

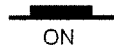
■ Turning on the power

1. Before you switch on the power, turn the volume all the way down by using the [Volume] slider.



2. Press the [Power] switch, to turn on the power.

Lower position



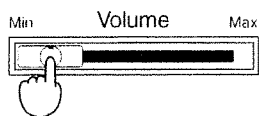
After a few seconds, the keyboard will produce sound when played. Adjust the volume appropriately.

NOTE

This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

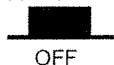
■ Turning off the power

1. Before switching the power off, turn the volume all the way down by using the [Volume] slider.



2. Press the [Power] switch, to turn off the power.

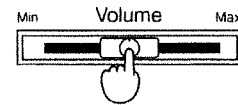
Upper position



The power is turned off.

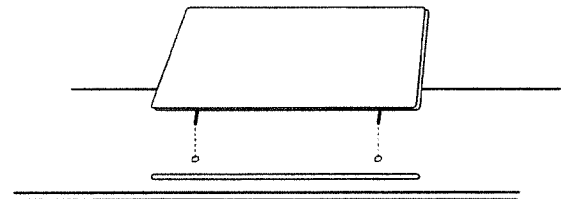
Adjusting the Volume

Use the [Volume] slider to adjust the overall volume.



Setting the Music Stand

Insert the music stand into the two holes as shown in the figure below.

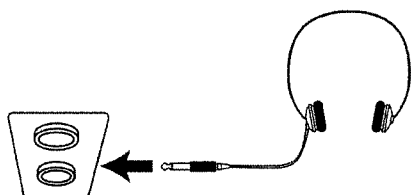


NOTE

Before moving the HP 237, be sure to remove the music stand as a safety precaution.

Connecting Headphones

The HP 237 features two headphone jacks. This allows two people to listen through headphones simultaneously, making it very useful for lessons and when performing piano pieces for four hands. Additionally, this allows you to play without having to worry about bothering others around you, even at night.



- 1. Turn the volume all the way down by using the [Volume] slider.**
- 2. Plug the headphones into the Phones jack on the lower-left panel of the HP237.**
- 3. Use the [Volume] slider to adjust the volume of the headphones.**

This switches off the HP237 speakers. Sound will be heard only through the headphones.

NOTE

Please use stereo headphones.

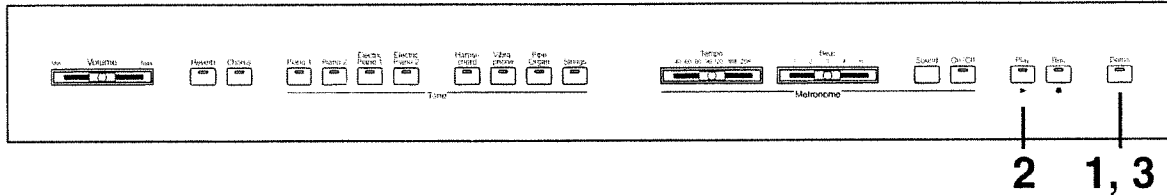
● Precautions to take when using headphones

- To avoid damaging or severing the headphone cord, be sure to handle the headphones by holding the phones themselves, and grasping the plug and not the cord when pulling the headphone plug.
- Connecting the headphones when the volume of connected equipment is turned up may result in damage to the headphones. Connect the headphones only after turning the volume down completely.
- Listening at excessively high volume levels will not only damage the headphones, but may also cause hearing loss. Listen at appropriate levels.

Listening to the Demo Songs

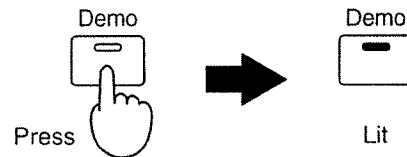
The HP 237 features eight internal piano songs.

Playing/Stopping the Demo Songs

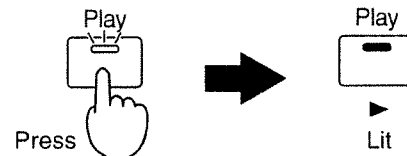


1. Press the [Demo] button, and confirm that the indicator has lit.

The [Play] button's indicator starts blinking.



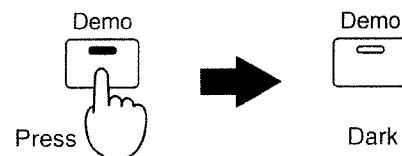
2. Press the [Play] button, and the indicator will change from blinking to lit.



The demo songs will play back in succession, starting with the first song. When the last song has been played, playback will return to the first song and begin again.

3. To stop the demo song playback, press the [Demo] button to make the indicator go out.

The demo song playback will stop.



You can also stop demo song playback by pressing the [Play] button or [Rec] button. In this case, the [Demo] button indicator will not be extinguished. When you press the [Play] button next the demo song will resume playing from the beginning of the song where playback was halted.

NOTE It is not possible to change the tempo of a demo song.

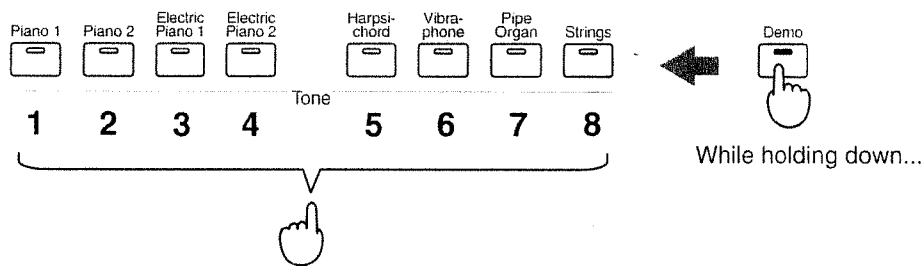
NOTE If you press the [Demo] button while the metronome is sounding (p. 18), the metronome will stop sounding. It is not possible to sound the metronome while a demo song is playing.

Selecting a Song for Playback

Here's how you can select and play a desired demo song.

While holding down the [Demo] button, and press the Tone button that corresponds to the demo song you wish to hear.

The indicators of the [Demo] button and the [Play] button will light.



Press the button corresponding to the song number

The demo songs will play back consecutively, starting with the song you selected. When the last song has been played, playback will return to the first song and resume.

Subsequent demo songs are automatically played one after another until you stop them playing.

About the Demo Songs

No.Title	Composer	Copyright
1 Intro	J. Maul	©1991, 1999 Roland UK
2 Bagatelle "Frü Elise" WoO.59	L.v. Beethoven	©1994 Roland Corporation
3 A Maiden's Prayer	T. Badarzewska	©1996 Roland Corporation
4 No.14 "La Styrienne" from 25 Etudes	F. Burgmüller	©1992 Roland Corporation
5 from Cantata BWV.147	J.S. Bach / Naoki Nishi	©1993 Roland Corporation
6 Etude No.3 in E Major "Chanson de l'adieu"	F. Chopin	©1992 Roland Corporation
7 Fly Free	J. Maul	©1992 Roland Corporation
8 Mood / Ending	J. Maul	©1991, 1999 Roland UK

NOTE

All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.

NOTE

No data for the music that is played will be output from MIDI Out.

■ Profiles of Composers

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 UK Jazz artists.

His writing credits include commercial music for BBC radio and television, as well as scoring jazz and classical works. Having been a product specialist for Roland U.K., John is now actively involved in music software composing/programming for both Roland Japan and various music publishers. Quite recently his "Musical Picture Book," a volume of original piano music encompassing all standards of musical ability, which included the piano and orchestral accompaniment data in SMF format, was published and printed.

Naoki Nishi

Born in 1958 in Hiroshima, Japan. Began working professionally at the age of 21. Has so far released 9 albums on which he is featured. He has also taken part in numerous other albums. His broad range of activities have included appearances at a number of jazz festivals in Japan and other parts of the world. In addition to his duties as an instructor at the Tokyo Conservatoire Shoubi, he has provided his services as a demonstrator for Roland since 1990. He is considered to be one of Japan's finest jazz pianist.

Playing the Keyboard

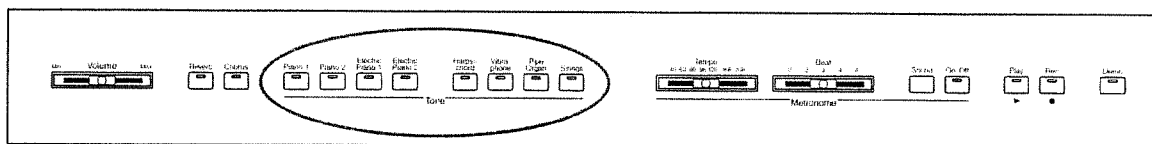
Playing with Various Sounds

The HP 237 allows you to play using eight different sounds including piano.

The HP 237's sounds are called "Tones."

Use the eight Tone buttons to select tones.

When the HP 237 is turned on, the tone is reset to "Piano 1".



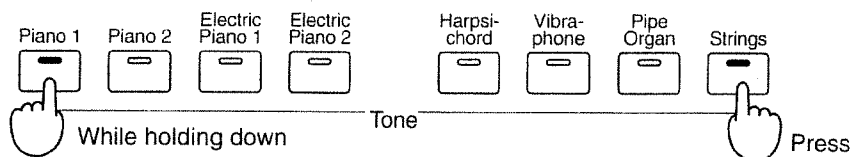
Press any Tone button and confirm that its indicator is lit.

When you play the keyboard, the selected tone is played.

Tone Name	Description
Piano 1	Full-sized Concert Grand Piano Rich stereo sound, providing 32 polyphonic notes.
Piano 2	Full-sized Concert Grand Piano 64 polyphonic notes
Electric Piano 1	Sound of a Rhodes piano
Electric Piano 2	A synthesizer's electric piano
Harpsichord	Delicate and elegant harpsichord sound
Vibraphone	The sound of a resonant vibraphone
Pipe Organ	A stately pipe organ sound
Strings	An ensemble of string instruments

Layering Two Instrument Sounds–Dual Play

Playing with two different tones on the keyboard simultaneously is called "Dual Play."



- 1. While holding down the [Piano 1] button, press the [Strings] button.**

The indicators on the two Tone buttons you have pressed will light, and both of the Tones will be heard when you play the keyboard.

In this way, you can hold down one Tone button and press another Tone button to layer two sounds for playing together.

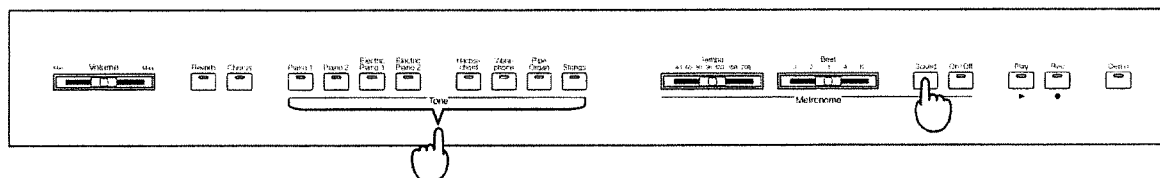
- 2. To cancel the Dual Play, press any Tone button.**

When you play the keyboard, only the sound of the button you pressed will be heard.

Using Two Different Sounds for Right And Left Hands—Split Function

The piano allows you to divide the keyboard into two sections, upper and lower, and to play two different Tones. Dividing the keyboard is called “Split” and the key where the keyboard is split is called the “Split Point”.

The Split Point is at “F # 3” when the power is turned on.



- 1. Hold down the Tone button for the sound that you want to include in the split, and press the Metronome [Sound] button.**

The indicator on the Tone button you have pressed will flash.

Play the keyboard and hear that two different sounds are played in the upper and lower sections.

The sounds will be assigned to the keyboard as follows:

Tone button	Lower Tone / Upper Tone
Piano 1	Acoustic Bass / Piano 1
Piano 2	Acoustic Bass / Piano 2
Electric Piano 1	Acoustic Bass / Electric Piano 1
Electric Piano 2	Acoustic Bass / Electric Piano 2
Harpsichord	Strings / Harpsichord
Vibraphone	Acoustic Bass / Vibraphone
Pipe Organ	Pipe Organ / Harpsichord
Strings	Strings / Piano 1

* Chorus (p. 17) cannot be applied to the tones with Acoustic Bass.

* The pedal will have no effect on what is played in the lower section of the keyboard.

- 2. To cancel Split, press a Tone button with an indicator that is extinguished.**

The selected tone is effective for the entire keyboard.

Changing the Split Point

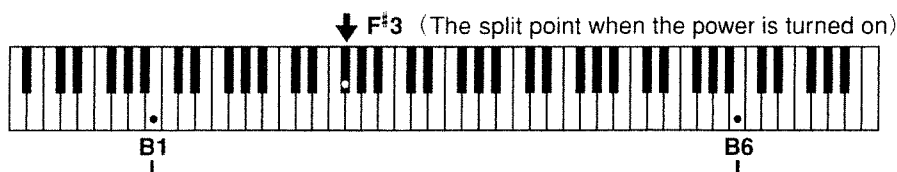
When you are using the Split function, you can change the location at which the keyboard is split (the Split Point).

Hold down the Tone button whose indicator is blinking, and press the note that you wish to use as the new Split Point.

The Split Point can be set from B1–B6.

The key that serves as the split point is included in the lower section.

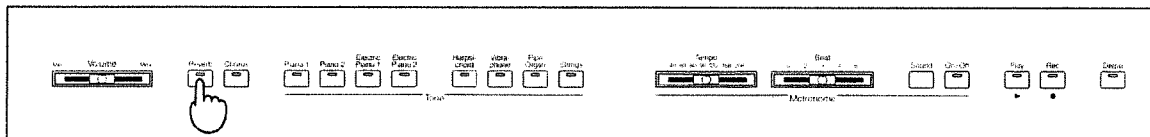
The Split Point you set will be retained until the piano is switched off.



Adding Reverberation to the Sound—Reverb Effect

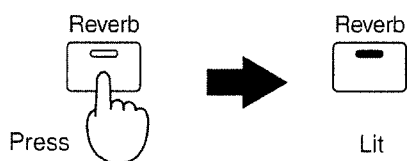
The HP 237 allows you to add reverberation to what you play on the keyboard. With the Reverb Effect, you can get a pleasant reverberation, making it sound as if you were performing in a concert hall or similar space.

The settings of the Reverb Effect cannot be memorized independently for each sound. When the power is turned on, the Reverb Effect will be cancelled.

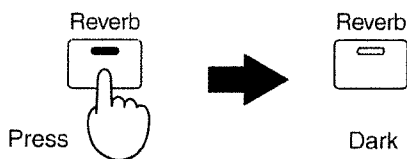


1. Press the [Reverb] button to turn on the indicator.

The Reverb Effect will be applied to the entire sound.



2. To cancel the Reverb Effect, press the [Reverb] button once again to make the indicator go dark.

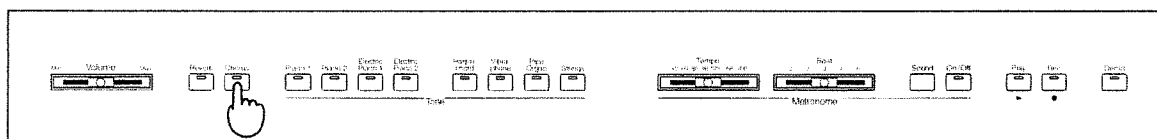


The amount of Reverb can be changed. Please refer to "Changing the Depth of the Reverb" (p. 25).

Adding Breadth to the Sound—Chorus Effect

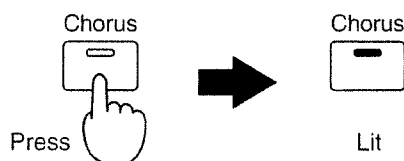
The HP 237 allows you to add chorus to what you play on the keyboard. By adding the Chorus Effect, you can give the sound greater dimension, with more fatness and breadth.

The settings of the Chorus Effect are memorized independently for each sound. When the power is turned on, the Chorus Effect will be applied to the “Electric Piano 1”, “Electric Piano 2” and “Vibraphone” sounds. The Chorus Effect will be turned off for the other sounds.



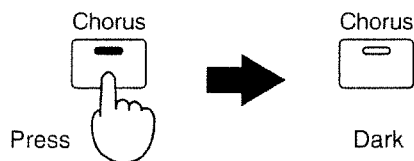
1. Press the [Chorus] button to turn on the indicator.

The Chorus Effect will be applied to the currently selected sound.



When you select a sound for which the Chorus Effect has not been turned on, the [Chorus] button indicator will go dark.

2. To cancel the Chorus Effect, press the [Chorus] button once again to make the indicator go dark.



While using the Dual (p. 14) or Split (p. 15) functions, lighting/extinguishing the [Chorus] button's indicator will switch the Chorus Effect on/off for both sounds. (However, when Split is being used, the Chorus Effect will not be applied to the Acoustic Bass.)

After Dual or Split is cancelled, the piano reverts to the Chorus Effect setting that a particular sound normally carries.



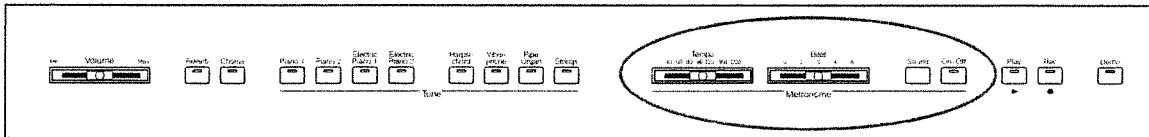
The on/off status of the [Chorus] button is not remembered when Dual or Split are used.



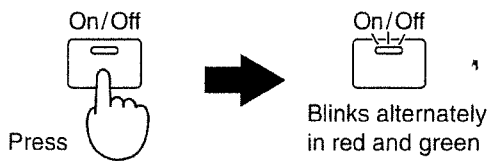
The amount of Chorus can be changed. Please refer to “Changing the Depth of the Chorus” (p. 25).

Sounding the Metronome

You can start or stop the metronome with a single button.
 In addition to adjusting the tempo and time, you can also change the sound and volume of the metronome.

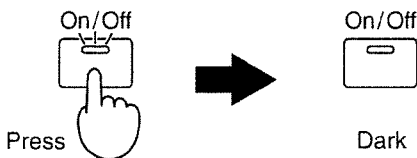


- 1. Press the Metronome [On/Off] button, and the metronome will begin sounding.**



The Metronome [On/Off] button indicator will blink in red and green in time with the currently selected time. It will blink in red on the downbeats, and in green on the upbeats. If the Metronome [Beat] slider is in the "0" position, the indicator will blink in green.

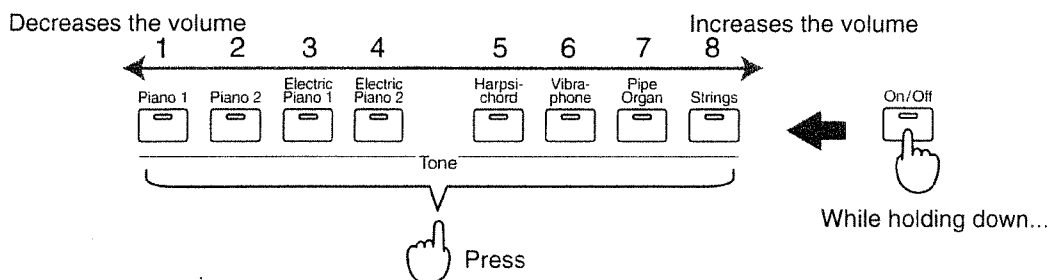
- 2. When you press the Metronome [On/Off] button once again to make the indicator go dark, the metronome will stop sounding.**



■ Adjusting the Metronome Volume

The metronome volume can be adjusted in 8 levels.
 The metronome volume is set to "4" when the keyboard is turned on.

While holding down the Metronome [On/Off] button, also press any Tone button.



■ Checking the Metronome Volume

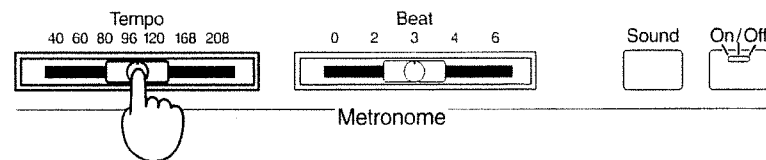
Press and hold the Metronome [On/Off] button.

The Tone button indicators will blink to indicate the current volume.

■ Changing the Metronome Tempo

The metronome tempo is adjusted by the Metronome [Tempo] slider.

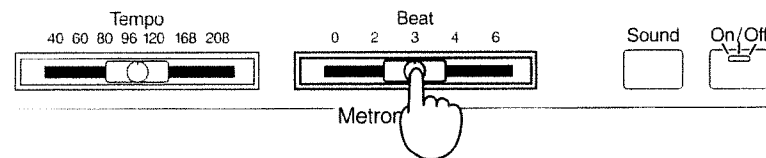
You can select a tempo in the range of 40-208.



■ Changing the Time of the Metronome

Use the Metronome [Beat] slider to select the time of the metronome.

You can select from the following five types: 0 (only upbeat sounds), 2 (2-beat), 3 (3-beat), 4 (4-beat), 6 (6-beat).



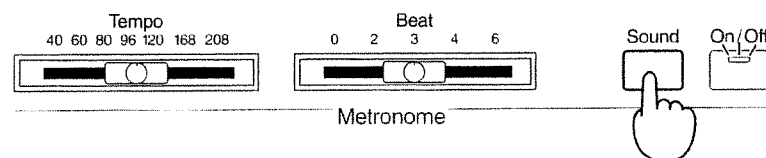
■ Changing the Metronome Sound

You can select from three types of metronome sound: "ordinary metronome sound," "electronic metronome sound," and "dog and cat sounds."

"Ordinary metronome sound" is the power-on default for the metronome sound.

1. Press the Metronome [On/Off] button to sound the Metronome.
2. Press the Metronome [Sound] button.

Each time you press the Metronome [Sound] button, the metronome sound will change to the next choice available, either "ordinary metronome sound," "electronic metronome sound," or "dog and cat sounds."



Try Recording Your Performance

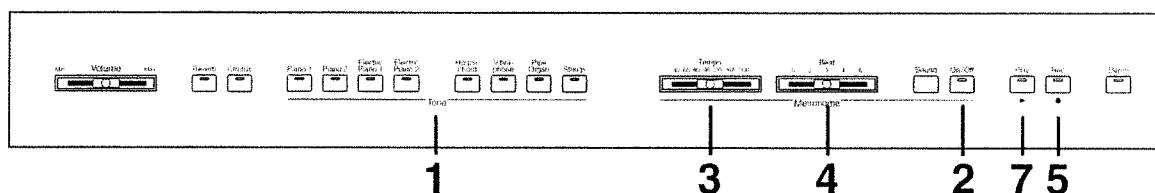
You can record what you play on your piano.

NOTE Only one song can be recorded on the HP 237. If a previously recorded performance exists, it will be erased the moment you begin recording another performance.

NOTE The performance data that you recorded will disappear when the power of the HP 237 is turned off.

NOTE After approximately 5,000 notes have been recorded, the [Play] button's and [Rec] button's indicators will go out, and recording will end automatically.

Recording

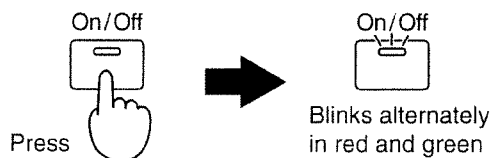


- 1. Use the Tone buttons to select the sound with which you wish to perform.**

You can change the tones during the recording of the song.

- 2. Press the Metronome [On/Off] button to turn on the indicator.**

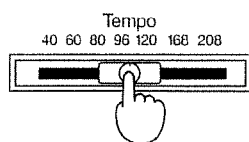
The metronome will sound.



While listening to the metronome, select the tempo and time of the song that you wish to record.

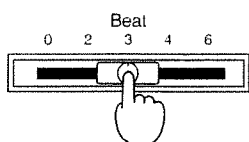
- 3. Use the Metronome [Tempo] slider to select the basic tempo for the song.**

Moving the Metronome [Tempo] slider after recording has begun will not change the tempo.



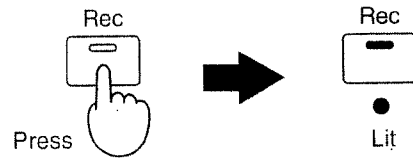
- 4. Use the Metronome [Beat] slider to select the time for the song.**

The time of the song cannot be changed during or after recording.



5. Press the [Rec] button to turn on the indicator.

The keyboard is put in record standby mode.
The [Play] button's indicator flashes.



If you want to cancel the recording, then press the [Rec] button once more to make the indicator dark.

If you wish to stop the metronome, press the Metronome [On/Off] button to make the indicator go dark.

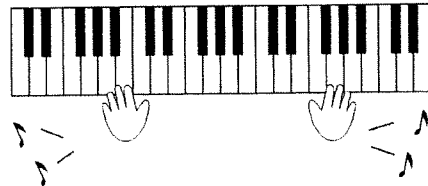
In the beginning it is probably a good idea to listen to the metronome as you record.
The sound of the metronome is not recorded.

6. Recording will begin when you play a note on the keyboard.

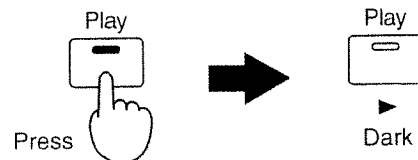
The [Play] button indicator will change from blinking to lit.

Instead of playing the keyboard, you can also begin recording by pressing the [Play] button to make the indicator light. In this case, you will hear a two-measure count before recording begins.

Listen to the metronome, and play along with the tempo.



7. When you are finished recording, press the [Play] button to make the indicator go dark.



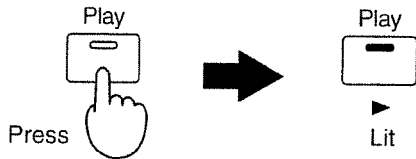
You can use a MIDI sequencer to save the recorded performance. Please refer to "Transmitting Performance Data from MIDI Out" (p. 32).

Listening to the Recorded Performance

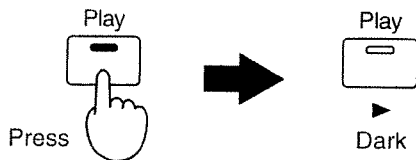
Listen to the performance you recorded.

1. Press the [Play] button to make the indicator light.

The performance you recorded will play back. When the recorded performance ends, the [Play] button indicator will go dark, and playback will stop.



2. If you wish to stop playback during the performance, press the [Play] button to make the indicator go dark.



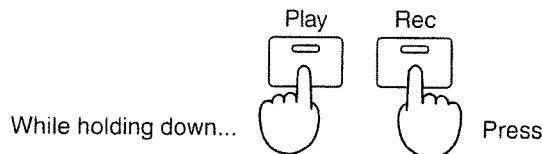
If the metronome is sounding while the performance plays back, the playback will begin after a two-measure count.

Deleting Recorded Songs

You can delete recorded songs in their entirety.

While pressing the [Play] button, also press the [Rec] button.

This deletes the recorded song.



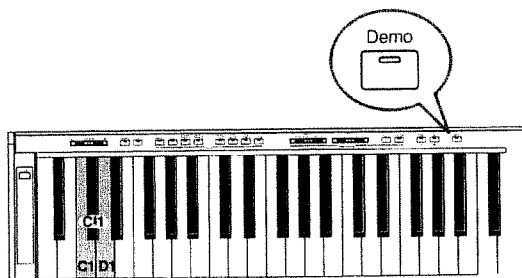
Convenient Functions

Changing Keyboard Touch Sensitivity

You can select from three touch sensitivity levels.

When the power is turned on, the response is set to "Medium."

While holding down the [Demo] button, press the corresponding note (C1–D1).



Keys	Types	Descriptions
C1	Light	With this setting, fortissimo can be produced using much less force than normal, thus making the keys seem lighter. This setting makes it easy to play, even for children.
C#1	Medium	Normal setting, providing the most natural touch, closest to that of an acoustic piano.
D1	Heavy	With this setting, to play fortissimo the keys must be played much more strongly than normally, as if the keys had become heavier. Adds even more emotion when you play with lots of dynamics.

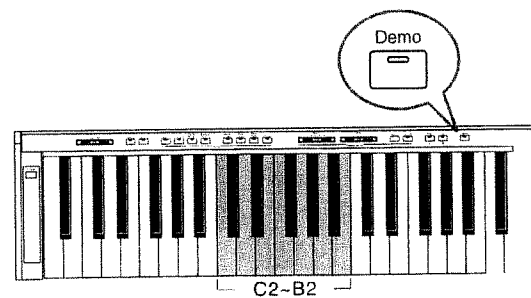
Transposing without Changing Your Fingering -Key Transpose

You can play in a different key-without changing the keys you are playing. This function is called "Key Transpose." When you are accompanying a singer, you can use Key Transpose to match the vocal pitch of the singer, allowing you to transpose easily while using the same printed music (keyboard fingering).

Key transpositions remain in effect until the keyboard's power is turned off.

- 1. While holding down the [Demo] button, press the tonic (root) of the key to which you want to transpose.**

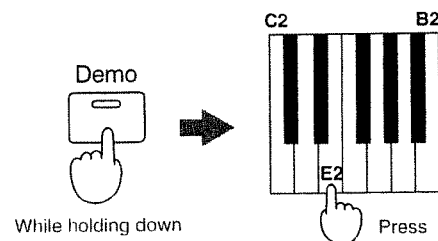
Use the C2–B2 notes to select the tonic.



- 2. To return to the normal pitch, while holding down the [Demo] button, press the C2 key.**

<Ex.>

For example if you want the E pitch to sound when you play the C key, you would hold down the [Demo] button and press the E2 key.



NOTE

The transposition setting is effective only on sounds performed on the HP 237's keyboard. This setting is not effective on tones from external MIDI messages played on the HP 237.

Adjusting the Pitch of the Sound-Master Tuning

In situations such as when playing in ensemble with other instruments, you can adjust the HP 237's reference pitch to that of another instrument.

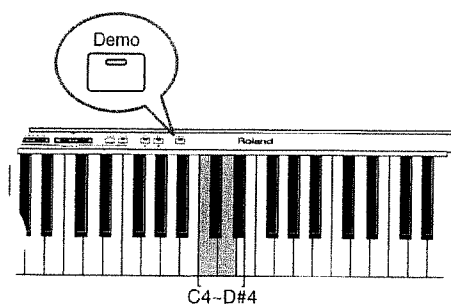
Middle A is generally used as the standard reference pitch for tuning instruments.

When playing in ensemble with other instruments, set each instrument to the same reference pitch to ensure that you will be in tune with each other. This tuning of all the instruments to a reference pitch is called "Master Tuning."

The reference pitch can be set to any value from 415.3 Hz–466.2 Hz.

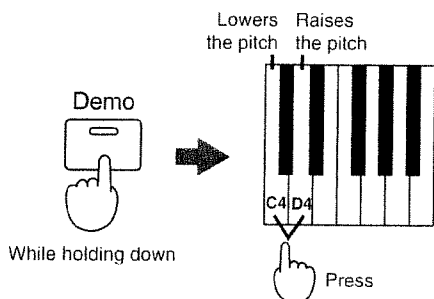
"440.0 Hz" is the power-on default for the reference pitch.

Use the C4–D#4 notes to adjust the pitch.



■ Lowering/ raising the Reference Pitch

While holding down the [Demo] button, press the "C4" note to lower the reference pitch, or the "D4" note to raise it.

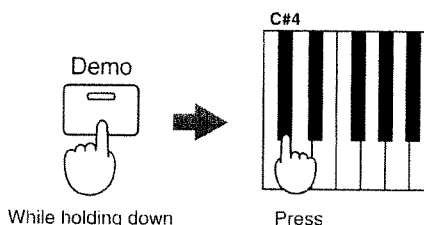


Each time you press the "C4" key, the pitch will fall by 0.1 Hz. If you continue holding the key, the pitch will continue falling.

Each time you press the "D4" key, the pitch will rise by 0.1 Hz. If you continue holding the key, the pitch will continue rising.

■ Setting the Reference Pitch to 440.0 Hz

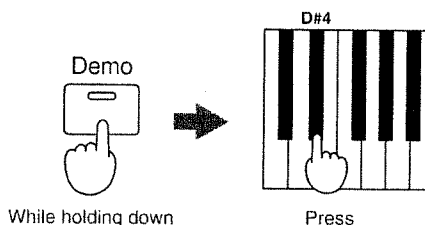
While holding down the [Demo] button, press the "C#4" key on the keyboard.



The reference pitch will be set to 440.0 Hz. This is the most commonly used setting. The A4 (Middle A) key will sound at 440.0 Hz.

■ Setting the Reference Pitch to 442.0 Hz

While holding down the [Demo] button, press the "D#4" key on the keyboard.



The standard pitch will be set to 442.0 Hz. This setting is often used for concert pianos. The A4 (Middle A) key will sound at 442.0 Hz.

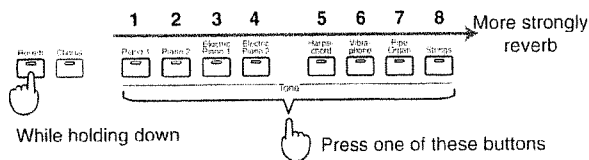
Sounding a reference tone while you adjust the pitch

Holding down the [Demo] button, press the [Sound] button, and while continuing to hold down the two buttons, press the corresponding key. You can hear a reference tone (Middle A) as you adjust the pitch.

Changing the Depth of the Reverb

The depth of the Reverb Effect (p. 16) can be adjusted. There are eight levels of depth from which to choose. This is set to “4” when the power is turned on.

Holding down the [Reverb] button, press any Tone button.



■ Checking the depth of the Reverb Effect

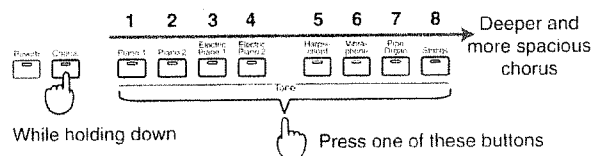
Press and hold the [Reverb] button.

The Tone button indicators will blink to indicate the selected depth.

Changing the Depth of the Chorus

The depth of the Chorus Effect (p. 17) can be adjusted. There are eight levels of depth from which to choose. This is set to “4” when the power is turned on.

Holding down the [Chorus] button, press any Tone button.



■ Checking the depth of the Chorus Effect

Press and hold the [Chorus] button.

The Tone button indicators will blink to indicate the selected depth.

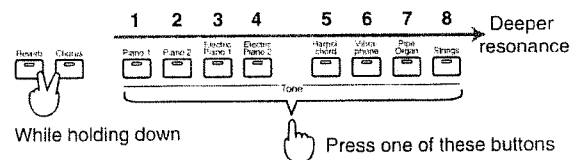
Changing the Damper Pedal's Resonance

On acoustic pianos, when the damper pedal is depressed, additional strings are released to resonate with the sound of the keys that have been played, adding richness and breadth to the sound. The damper pedal on the HP 237 recreates this resonance when depressed. This resonance is called “Sympathetic Resonance.”

Eight levels of resonance are available.

This is set to “4” when the power is turned on.

Holding down the [Reverb] and [Chorus] buttons, press any Tone button.



■ Checking the Resonance level

Press and hold the [Reverb] and [Chorus] buttons.

The Tone button indicators will blink to indicate the selected depth.

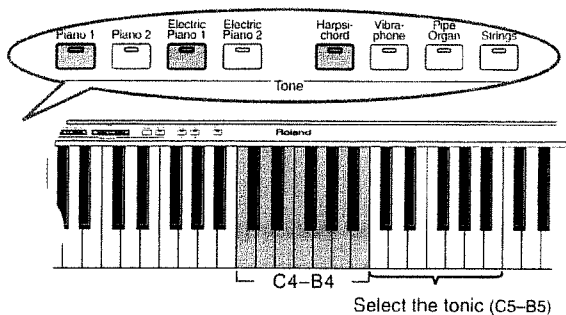
NOTE

This resonance works only with the piano tones.

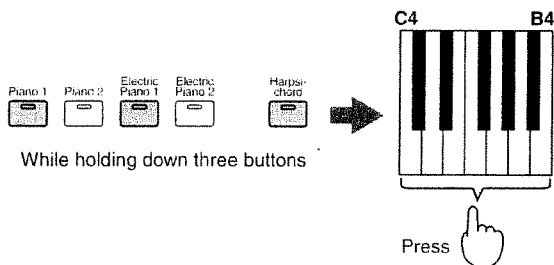
Playing Songs Using Tunings from Classical Music

Your instrument also allows you to perform using the tunings that were in use at the time that classical music (such as Baroque) was composed. Most modern songs are composed based on assumption that equal-tempered tuning, the tuning in use almost universally today, will be used when performing. However, in the age of classical music there were a variety of different tunings in existence. Try performing using tunings from those olden times so you can hear what the chords in certain pieces sounded like originally.

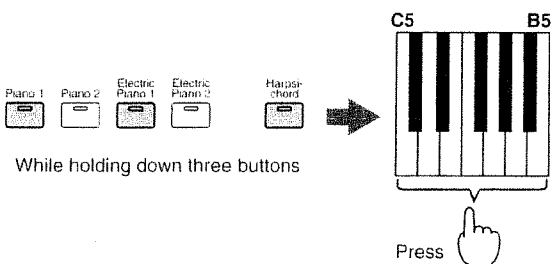
“Equal temperament” is placed in effect each time the keyboard’s power is turned on.



1. While holding down the [Piano 1], [Electric Piano 1], and [Harpsichord] buttons, press the corresponding key (C4–B4).



2. To select the keynote (tonic), hold down the [Piano 1], [Electric Piano 1], and [Harpsichord] buttons and press a key in the range of C5–B5 to specify the desired note.



MEMO

When you want to perform using a tuning other than equal temperament, you’ll need to specify the keynote (tonic for major, sixth for minor) appropriate for the key of the song you want to play.

Key Temperament Description

C4	Equal	With this tuning, the octave is divided into twelve equal intervals. Regardless of the interval, very little ambiguity is produced.
D4	Pythagorean	Developed by the philosopher Pythagoras as a method of tuning that resolved the ambiguousness of fourths and fifths. As a result, melodies sound cleaner, but a certain amount of ambiguousness is produced with triads.
E4	Just Major	This tuning eliminates the ambiguousness of fifths and thirds. This tuning is not suitable for melodies, and transposition is impractical, but rich sonorities can be produced by chords.
F4	Just Minor	Just Major and Minor tunings are different. You can get the same effects in the minor scale as in the major scale.
G4	Mean Tone	A partial compromise of the Just Major tuning, created to make transposition possible.
A4	Werckmeister	A combination of the Mean Tone and Pythagorean tunings. This tuning can be used in all keys.
B4	Kirnberger	As a result of improvements made to the Mean Tone and Just temperaments, it is relatively tolerant towards transposition, and can be used to play in all keys.

NOTE

When performing in ensemble with other instruments, be aware that depending on the key, there may be some shifting of the pitch. Please tune to the other instruments in the ensemble.

NOTE

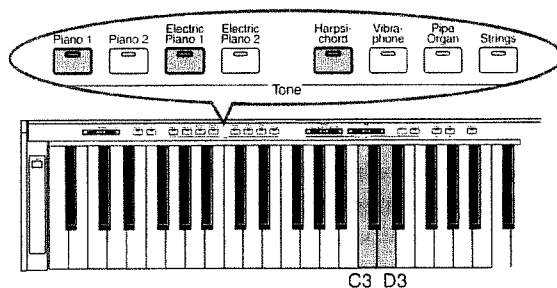
When you play back a recorded performance, it will be played using the temperament that was selected at that time.

Changing Tuning Curves

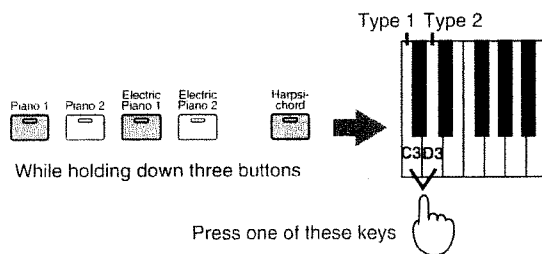
Pianos are commonly tuned so pitches in the lower registers are adjusted relatively flat, and pitches in the higher registers are tuned sharper compared to equal temperament. This kind of tuning method for the piano is called “Stretch Tuning.”

The graphic representation of the differences in pitch when comparing equal-tempered tuning with the actual tuning used is called the “Tuning Curve.” Changing the tuning curve results in a subtle change in the sound of the chords. HP 237 can switch the tuning curve.

“Type 2” (Stretch Tuning) is the power-on default for the tuning curve.



While holding down the [Piano 1] button, [Electric Piano 1] button, and [Harpsichord] button, the “C3” note to turn the setting Type 1, or press the “D3” note to turn the setting Type 2.



Key	Type	Description
C3	Type 1	Standard tuning curve. This is the right choice when using Dual Play (p. 14), or when playing in ensemble with other instruments.
D3	Type 2	A tuning curve wherein the low and high registers are widened slightly—low pitches are a little lower, the high pitches a little higher (Stretch Tuning). Appropriate for piano solos.

NOTE

This setting is only available with piano tones.

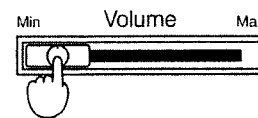
Disabling Buttons-Panel Lock

By using the Panel Lock function, you can disable the buttons with the exception of certain operations. This is a convenient way to prevent buttons from being pressed inadvertently, changing the settings.

When the panel is locked, the following operations can be performed.

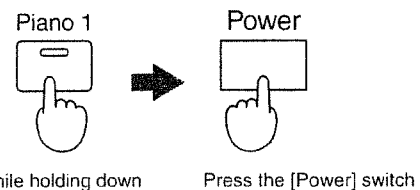
- Play using the piano sound
- Changing keyboard touch sensitivity (p. 23)
- Key Transpose (p. 23)
- Master Tuning (p. 24)

1. Before switching the power on, turn the volume all the way down.



2. Press the [Power] switch to turn off the power.

3. While holding down the [Piano 1] button, press the [Power] switch to turn on the power.



4. Adjust the volume.

Playing the keyboard now produces a Piano 1 sound. It will not be possible to switch to another sound.

Switching the power off and back on again releases the panel lock and returns the HP 237 to its usual state.

Panel Lock with the metronome enabled

If you turn on the power while holding down the Metronome [On/Off] button, it will also be possible to sound the metronome. You will also be able to adjust the metronome tempo, time, volume, and sound.

Connecting to MIDI Devices

Read this chapter if you wish to connect the HP 237 to an external MIDI device.

If the HP 237 is connected to a MIDI sequencer, such as one from the MT series, a performance recorded on the HP 237 can be transmitted to the MIDI sequencer. It is also possible to record the performance directly on the MIDI sequencer. The recorded performance can be saved on the MIDI sequencer.

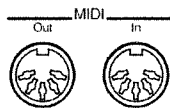
When the HP 237 is connected to an MT series sequencer, the rich variety of sounds built into the MT series sequencer can be played from the keyboard of the HP 237.

About MIDI

MIDI, short for "Musical Instrument Digital Interface," was developed as a standard for the exchange of performance data between electronic instruments and computers.

The HP 237 is equipped with MIDI connectors to allow such exchange of performance data with external equipment and devices. Connecting the keyboard to other devices with these jacks provides you with an even greater variety of ways to use your keyboard.

About the MIDI Connectors



MIDI connectors on the rear panel

MIDI In Connector

Use a MIDI cable (sold separately) to connect from here to the MIDI Out connector on the external MIDI device. MIDI messages sent from connected external equipment will be received here. As a result, the HP 237 will produce sound, change tones, or perform other operations.

MIDI Out Connector

Use a MIDI cable (sold separately) to connect from here to the MIDI In connector on the external MIDI device. Performance data detailing what has been played on the keyboard, and other data, such as that generated when a pedal is depressed, is sent out from here to external MIDI devices.

Making the Connections

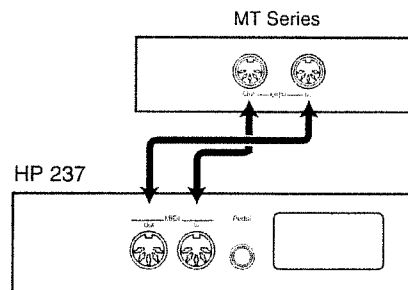
NOTE

To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

1. Turn the volume down completely on all equipment.
2. Turn off the HP 237 and any other devices to be connected.
3. Use the optional MIDI cable to connect the MIDI connector on the external MIDI device to the MIDI connector on the HP 237.
Take a look at the connection examples.
4. Turn on the power to all equipment.
5. Adjust the volume.
6. You should also make the following settings as needed.

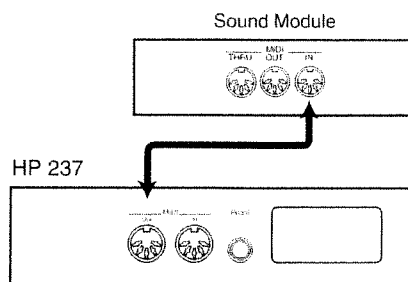
For details on making MIDI-related settings for the HP 237, refer to p. 29 through p. 32.

Connection Examples: Connecting to a sequencer (The Roland MT Series)



* The MT-80s has no MIDI Out connector.

Connection Examples: Connecting to a MIDI sound module



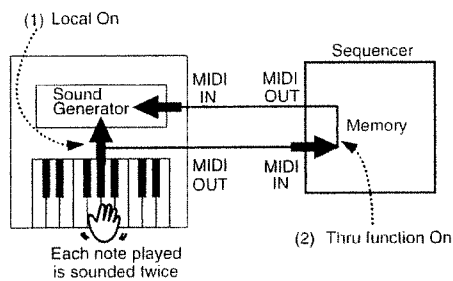
Cautions when Connecting an External MIDI Device

Here we will explain the “Local On/Off” and “Omni On/Off” settings that you need to be aware of when connecting the HP 237 to an external MIDI device.

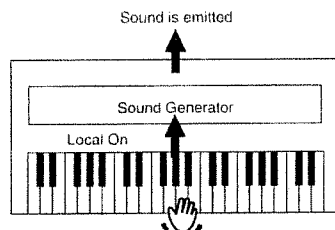
■ Disconnecting the HP 237’s keyboard and internal sound generator—Local On/Off

When the HP 237 is connected to a MIDI sequencer or the like, set it to Local Off.

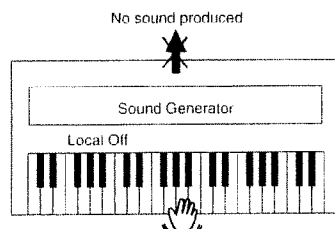
As shown in the diagram, the data that is produced when you play the keyboard will reach the sound generator by two routes, (1) and (2), causing each note to be played in duplicate. To prevent this, select the Local Off setting to cut route (1).



This sets it to Local On:



This sets it to Local Off:



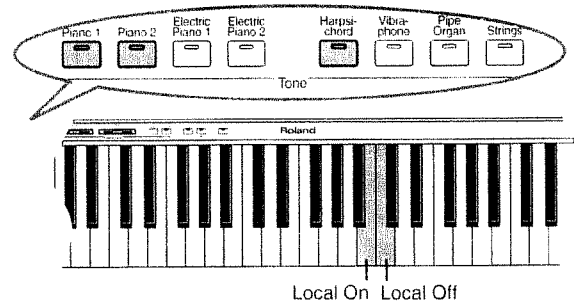
NOTE

Be aware that if you set your instrument to Local Off when no external MIDI device is connected, there will be no sound.

■ Switching Local On/Off

Local On is set when the power is switched on.

While holding down the [Piano 1] button, [Piano 2] button, and [Harpischord] button, the “B4” note to turn the setting On, or press the “C5” note to turn the setting Off.



MEMO

If the HP 237 is connected to a Roland MT series (except MT-80s), it is not necessary to make the Local Off setting. When the power is turned on, the MT series will transmit a Local Off message. If you turn the power on in the order of first the HP 237 and then the MT series, the HP 237 will automatically be set to Local Off.

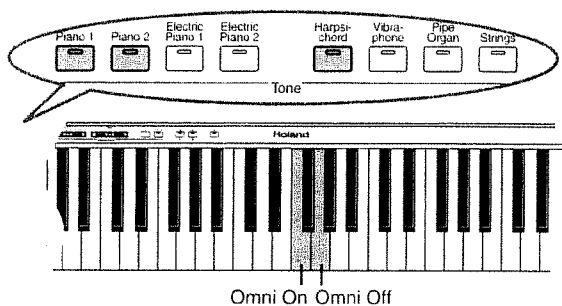
■ Receiving on all MIDI channels—Omni On/Off

MIDI features sixteen MIDI channels, numbered 1-16. The connected devices must be set to use the same MIDI channels, otherwise no sound will be produced. When set to Omni On, the HP 237 plays regardless of the MIDI channel on which the MIDI messages are received.

■ Switching Omni On/Off

Omni Off is automatically set when the power is switched on.

Hold down the [Piano 1] button, the [Piano 2] button, and the [Harpischord] button, and press the “F4” note to turn the setting On, or the “G4” note to turn the setting Off.



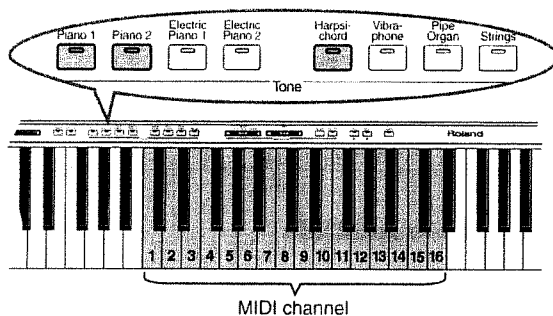
Set the MIDI Channel

MIDI features sixteen MIDI channels, numbered 1-16. The connected devices must be set to use the same MIDI channels, otherwise no sound will be produced.

- In a setup where you wish to play the HP 237 and also have another MIDI-equipped instrument or sound module play the same notes, you should first set the channel used for reception on your external device to the same channel that you have the HP 237 set to use for transmission.
 - If using another MIDI keyboard as a master instrument, and you wish to have the HP 237 played by it, you would need to set the channel used for reception on the HP 237 to the same channel that the master keyboard will be transmitting on.
 - When wishing to have a sequencer play the HP 237, you need to set the channel used for reception on the HP 237 to the same channel that the recorded MIDI data is set to use.
- When the HP 237 is turned on, Channel "1" is selected.

While holding down the [Piano 1], [Piano 2], and [Harpischord] buttons, press the appropriate key (C2–D4) on the keyboard.

The MIDI transmit channel and receive channel will switch to the number that corresponds to the note you pressed.



Transmitting/Receiving Sound Selection Data- Program Change

Program Changes are messages that tell an instrument to “switch to sound number x.”

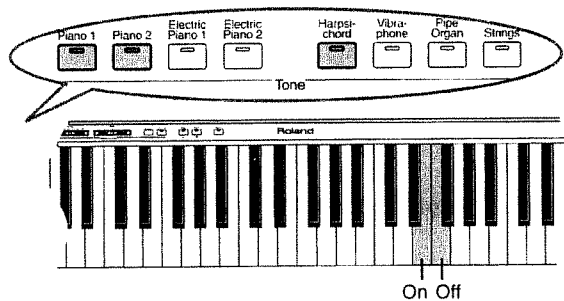
When the other device receives this message, it will switch to whichever of its sounds corresponds to the number contained in the message.

When you press the HP 237’s Tone button to change tones, a Program Change message with the corresponding Program Number is sent via the MIDI Out connector. Furthermore, a Program Change message received via the MIDI In connector changes the tone to the one with the corresponding Program Number.

Each time the power is turned on, the instrument will always be set to “On” (it will transmit/receive Program Change messages).

If you set it to “Off,” the HP 237 will no longer send out Program Change message when you change the tone being used. Also, the HP 237 will then ignore any Program Change messages when that are sent to it by an external unit, and will not change the tone it is playing.

While holding down the [Piano 1] button, [Piano 2] button, and [Harpsichord] button, press the “E5” note to turn the setting On, or the “F5” note to turn the setting Off.



The tones and their corresponding Program Number appear below:

Program Number	Tone
01	Piano 1
02	Piano 2
03	—
04	Harpsichord
05	Vibraphone
06	Electric Piano 1
07	Electric Piano 2
08	Pipe Organ
09	Strings
10	Piano1 + Piano2
11	Piano1 + Harpsichord
12	Piano1 + Vibraphone
13	Piano1 + Electric Piano1
14	Piano1 + Electric Piano2
15	Piano1 + Pipe Organ
16	Piano1 + Strings
17	Piano2 + Harpsichord
18	Piano2 + Vibraphone
19	Piano2 + Electric Piano1
20	Piano2 + Electric Piano2
21	Piano2 + Pipe Organ
22	Piano2 + Strings
23	Harpsichord + Vibraphone
24	Harpsichord + Electric Piano1
25	Harpsichord + Electric Piano2
26	Harpsichord + Pipe Organ
27	Harpsichord + Strings
28	Vibraphone + Electric Piano1
29	Vibraphone + Electric Piano2
30	Vibraphone + Pipe Organ
31	Vibraphone + Strings
32	Electric Piano1 + Electric Piano2
33	Electric Piano1 + Pipe Organ
34	Electric Piano1 + Strings
35	Electric Piano2 + Pipe Organ
36	Electric Piano2 + Strings
37	Pipe Organ + Strings
38	Acoustic Bass / Piano1
39	Acoustic Bass / Piano2
40	Strings / Harpsichord
41	Acoustic Bass / Vibraphone
42	Acoustic Bass / Electric Piano1
43	Acoustic Bass / Electric Piano2
44	Pipe Organ / Harpsichord
45	Strings / Piano1

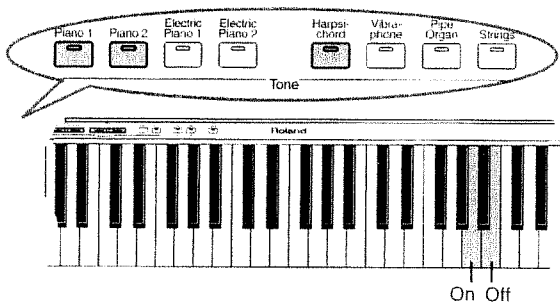
Turning Transmission and Reception of Control Changes On/Off

Messages known as “Control Changes” are used to convey to another device information about the instances where you have pressed a pedal, or have turned On/Off the Chorus or Reverb effects.

Each time the power is turned on, the instrument will always be set to “On” (it will transmit/receive all Control Change messages).

If you set it to “Off” the HP 237 will no longer send or receive any Control Change messages.

While holding down the [Piano 1] button, [Piano 2] button, and [Harpischord] button, press the “A5” note to turn the setting On, or the “B5” note to turn the setting Off.



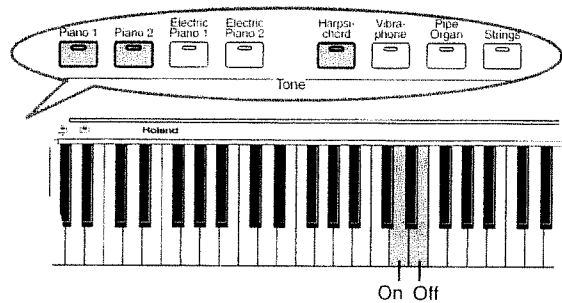
MEMO

If you want to know more about Control Change Number, please refer to “MIDI Implementation Chart” (p. 35).

Transmitting Performance Data from MIDI Out

If this setting is left “On,” performance data recorded on the HP 237 can be transmitted from the MIDI Out connector. Each time the power is turned on, this setting will always be at “Off.”

Hold down the [Piano 1] button, the [Piano 2] button, and the [Harpischord] button, and press the “D6” note to turn the setting On, or the “E6” note to turn the setting Off.



The performance data that you recorded will disappear when the power of the HP 237 is turned off.

If you wish to save the performance, use the following procedure.

1. Connect a MIDI sequencer such as the MT series (p. 28).
2. Record the performance on the HP 237.
3. Set this setting to “On.”
4. Start recording with the connected MIDI device.
5. Start playback of the recorded song on the HP 237.
6. When playback ends, stop recording with the connected MIDI device.
7. Use a connected MIDI sequencer to save the data on a floppy disk or other media.

Troubleshooting

If you are encountering problems with the unit, please read the section below before assuming that there is a malfunction.

The piano cannot be switched on

- Is the power cord properly connected? (p. 8)

No sound is produced

- Is the [Volume] knob set to the minimum position? (p. 9)
- Are headphones connected? (p. 10)
- Is Local On/Off set to "Off"? (p. 29)

Demo songs do not play

- Is Panel Lock on? (p. 27)

Metronome does not sound

- Is Panel Lock on? (p. 27)

Buttons do not function

- Is Panel Lock on? (p. 27)

Keyboard sound does not change

- Is Panel Lock on? (p. 27)

Two sounds are produced when the keyboard is played

- Is the keyboard in Dual Play mode? (p. 14)

The pitch of the keyboard sounds incorrect

- Is the Master Tuning setting correct? (p. 24)
- Is the Key Transpose setting correct? (p. 23)
- Is the temperament or the Tuning Curve setting correct? (p. 26, p. 27)

The pedals are not functioning, or function intermittently

- Are the pedals connected properly?
Make sure the pedal cord is securely connected to the pedal jack on the back of the unit.

Can't Record

- Is Panel Lock on? (p. 27)
- Is the [Demo] button's indicator lit?
Press the [Demo] button; the button's indicator goes out (p. 11).
- The metronome sound or count sound is not recorded.

The recorded performance has been deleted

- The performance data that you recorded will disappear when the power of the HP 237 is turned off (p. 20).
- If you record again after recording, the first-recorded performance will be erased (p. 20).

Sound is distorted

- Is the [Volume] knob set to the maximum position? (p. 9)

Bass notes sound wrong/buzzing or vibration occurs

- If you can't hear the problem in the headphones:
When playing at high volumes, resonance may occur in the piano itself or in objects near the piano. At times, other objects in the room, such as fluorescent lights or glass doors, could start vibrating. Such phenomenon becomes more prevalent when sounding the lower frequencies at high volume. To minimize such unwanted resonance, please observe the following:
 - Locate the instrument so it is 10–15 cm away from walls.
 - Reduce the volume.
 - Increase the distance from the object that is resonating.
- If you can hear the problem in the headphones:
The problem may be for a different reason. Please contact your dealer.

In the upper range, the sound changes abruptly beyond a certain key

- On an acoustic piano, notes in the upper one and a half octaves of the keyboard continue to sound until they decay naturally, regardless of the damper pedal. There is a difference in the timbre as well. Roland pianos faithfully simulate such characteristics of the acoustic piano. On the HP 237, the range that is unaffected by the damper pedal will change depending on the Key Transpose setting.

<When the HP 237 is connected to an external device>

No sound is produced

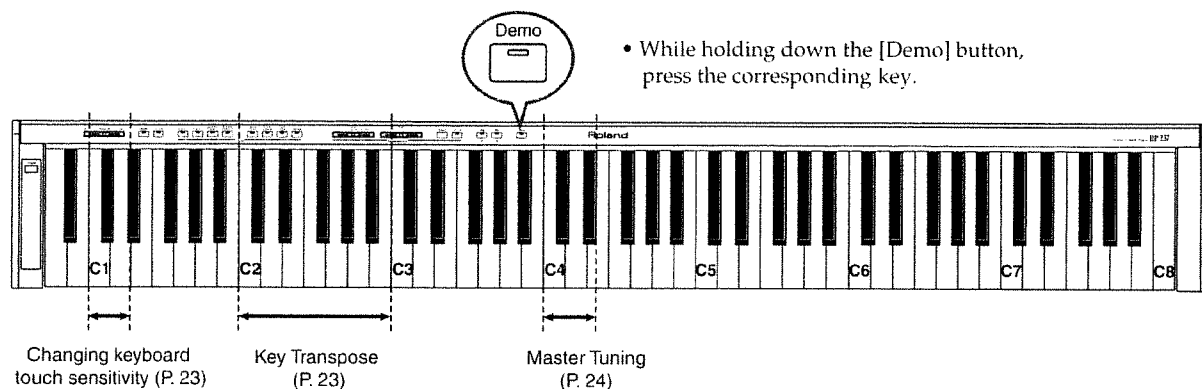
- Is the power to all equipment turned on?
- Are the connections between HP 237 and the MIDI sequencer or the other external devices correct? (p. 28)
- Is the MIDI channel setting correct? (p. 30)
- Is the Omni On/Off setting correct? (p. 30)

Strange sounds (or two sounds) are produced when the HP 237 is played

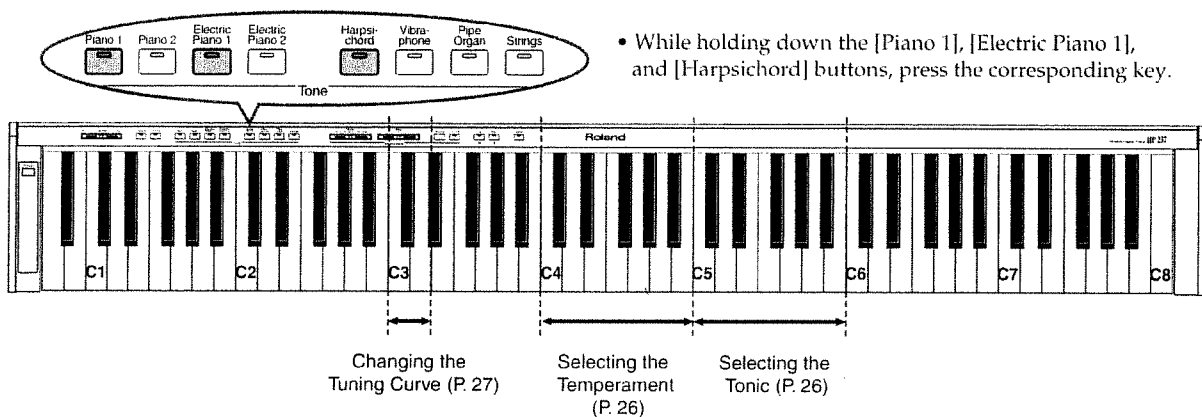
- With the sequencer's "Thru" function on, the same notes may be sounded twice. Set the HP 237 to Local off (p. 29).

Functions Assigned to the Keyboard

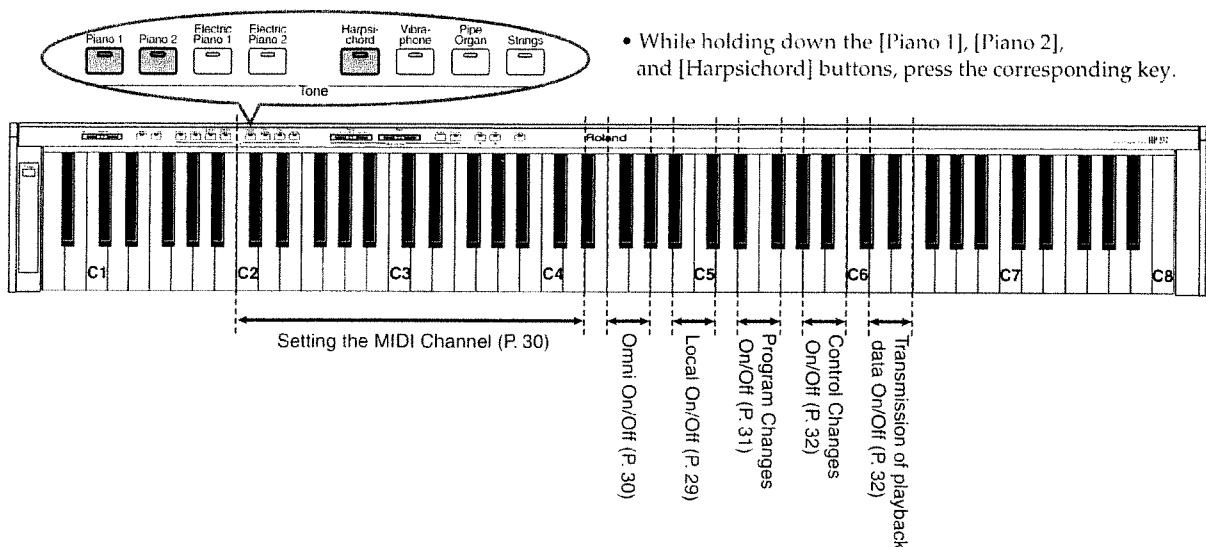
Convenient Functions



Functions for Temperament



Functions for MIDI



MIDI Implementation Chart

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1 1-16	1 1-16	
Mode	Default Messages Altered	Mode 3 x *****	Mode 3 OMNI ON/OFF	
Note Number :	True Voice	15-113 *****	0-127 15-113	
Velocity	Note ON Note OFF	O x 8n v=64	O x	
After Touch	Key's Ch's	x x	x x	
Pitch Bend		x	x	
Control Change	6, 38 7 11 64 66 67 91 93 100, 101	O *1 x x O *1 O O *1 O *1 O *1 O *1 O *1	O *1 O *1 *2 O *1 *2 O *1 *2 O *1 *2 O *1 *2 O *1 O *1 O *1 O *1	Data entry Volume Expression Hold 1 Sostenuto Soft Effect1 depth (Reverb) Effect3 depth (Chorus) RPN LSB, MSB
Prog Change	: True #	O (0-44) *1 *****	O (0-127) *1 0-44	
System Exclusive		O	O	
System Common	: Song Pos : Song Sel : Tune	x x x	x x x	
System Real Time	: Clock : Commands	x x	x x	
Aux Message	: All sound off : Reset all controllers : Local ON/OFF : All Notes OFF : Active Sense : System Reset	x x x x O x	x O O O (123-127) O x	
Notes		*1 O x is selectable. *2 This message can affect only MIDI notes.		

Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO O : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO X : No

* A separate publication titled "MIDI Implementation" is also available. It provides complete details concerning the way MIDI has been implemented on this unit. If you should require this publication (such as when you intend to carry out byte-level programming), please contact the nearest Roland Service Center or authorized Roland distributor.

Specifications

HP237: Roland Digital Piano

< Keyboard >

- Keyboard
88 keys (Hammer Action Mechanism)
- Touch Sensitivity
3 levels
- Keyboard Mode
Whole
Dual
Split

< Sound Generator >

- Maximum Polyphony
64 voices
- Tones
9 (Piano 1, Piano 2, Electric Piano 1, Electric Piano 2, Harpsichord, Vibraphone, Pipe Organ, Strings, Acoustic Bass (in Split mode))
- Effects
Chorus (8 levels)
Reverb (8 levels)
Sympathetic Resonance (8 levels)
- Key Transposition
-6 to +5 (semitone steps)
- Temperament
7 types, selectable tonic
- Stretched Tuning
2 types
- Master Tuning
415.3 Hz to 466.2 Hz (0.1 Hz steps)

< Composer >

- Metronome
Beat: 0, 2, 3, 4, 6
Volume: 8 levels
Sounds: 3 types
- Track
1 track
- Song
1 song
- Note Storage
Approx. 5,000 notes
- Tempo
Quarter note = 40 to 208
- Resolution
96 ticks per quarter note
- Control
Play/Stop, Rec, Tempo

< Others >

- Pedals
Damper, Sostenuto, Soft
- Speakers
12 cm x 2
- Rated Power Output
15 W x 2
- Connectors
Headphones Jack (Stereo) x 2
MIDI Connectors (In, Out)
Pedal Connector
- Power Supply
AC 117 V, AC 230 V, AC 240 V
- Power Consumption
49 W (AC 117 V), 33 W (AC 230 V), 33 W (AC 240 V)
- Cabinet Finish
Simulated Rosewood
- Dimensions (including the stand)
1,398 (W) x 428 (D) x 836 (H) mm
55-1/16 (W) x 16-7/8 (D) x 32-15/16 (H) inches
- Weight (including the stand)
48.5 kg / 106 lbs 15 oz
- Accessories
Owner's Manual
Power Cord
Music Stand

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

Index

B		O	
Beat	19	Omni On/Off	30
C		P	
Chorus	17, 25	Panel Lock	27
Control Change	32	Pedal	8
D		Playing	
Delete	22	Demo Song	11
Damper Pedal	8, 25	Performance Song	22
Demo Song	11–13	Program Change	31
Dual Play	14	R	
H		Recording	20
Headphones	10	Reference Pitch	24
K		Reverb	16, 25
Key Transpose	23	S	
L		Split	15
Local On/Off	29	Split Point	15
M		Soft Pedal	8
Master Tuning	24	Song Delete	22
Metronome	18	Sostenuto Pedal	8
Sound	19	Sympathetic Resonance	8, 25
Tempo	19	T	
Time	19	Tempo	18
Volume	18	Time	19
MIDI Channel	30	Tone	14
MIDI Connector	28	V	
Music Stand	9	Volume	
		Keyboard	9
		Metronome	18

MEMO

Information

When you need repair service, call your nearest Roland Service Center or authorized Roland distributor in your country as shown below.

AFRICA

EGYPT

Al Fanny Trading Office
P.O. Box 2904,
El Horrieh Heliopolis, Cairo,
EGYPT
TEL: (02) 4185551

REUNION

Maison FO - YAM Marcel
25 Rue Jules Mermet
Chaudron - BP79 97491
Ste Clotilde REUNION
TEL: 28 29 16

SOUTH AFRICA

That Other Music Shop (PTY) Ltd.

11 Melle Street (Cnr Melle and
Juta Street)
Braamfontein 2001
Republic of SOUTH AFRICA
TEL: (011) 403 4105

Paul Bothner (PTY) Ltd.
17 Werdmuller Centre Claremont
7700
Republic of SOUTH AFRICA

P.O. Box 23032
Claremont, Cape Town
SOUTH AFRICA, 7735
TEL: (021) 64 4030

ASIA

CHINA

**Beijing Xinghai Musical
Instruments Co., Ltd.**
6 Huangmuchiang Chao Yang
District, Beijing, CHINA
TEL: (010) 6774 7491

HONG KONG

**Tom Lee Music Co., Ltd.
Service Division**
22-32 Pun Shan Street, Tsuen
Wan, New Territories,
HONG KONG
TEL: 2415 0911

INDIA

Rivera Digitec (India) Pvt. Ltd.
409, Nirman Kendra Mahalaxmi
Flats Compound Off. Dr. Edwin
Moses Road, Mumbai-400011,
INDIA
TEL: (022) 498 3079

INDONESIA

PT Citra Inti Rama
Jl. Cideng Timur No. 15J-150
Jakarta Pusat
INDONESIA
TEL: (021) 6324170

KOREA

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

MALAYSIA

Bentley Music SDN BHD
140 & 142, Jalan Bukit Bintang,
55100 Kuala Lumpur, MALAYSIA
TEL: (03) 2443333

PHILIPPINES

G.A. Yupangco & Co. Inc.
339 Gil J Puyat Avenue
Makati, Metro Manila 1200,
PHILIPPINES
TEL: (02) 899 9801

SINGAPORE

Swee Lee Company
150 Sims Drive,
SINGAPORE 387381
TEL: 748-1669

CRISTOFORI MUSIC PTE LTD

BK 3014, Bedok Industrial Park E,
#02-2148, SINGAPORE 489980
TEL: 243 9555

TAIWAN

**ROLAND TAIWAN
ENTERPRISE CO., LTD.**
Room 5, 9th. No. 112 Chung Shan
N.Road Sec.2, Taipei, TAIWAN,
R.O.C.
TEL: (02) 2561 3339

THAILAND

Theera Music Co., Ltd.
330 Vong NakornKasem, Soi 2,
Bangkok 10100, THAILAND
TEL: (02) 2248821

VIETNAM

Saigon Music
138 Tran Quang Khai St.,
District 1
Ho Chi Minh City
VIETNAM
TEL: (08) 844-4068

AUSTRALIA/ NEW ZEALAND

AUSTRALIA

**Roland Corporation
Australia Pty., Ltd.**
38 Campbell Avenue
Dee Why West, NSW 2099
AUSTRALIA
TEL: (02) 9982 8266

NEW ZEALAND

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

CENTRAL/LATIN AMERICA

ARGENTINA

Instrumentos Musicales S.A.
Florida 656 2nd Floor
Office Number 206A
Buenos Aires
ARGENTINA, CP1005
TEL: (54-11) 4-393-6057

BRAZIL

Roland Brasil Ltda.
R. Coronel Octaviano da Silveira
203 05522-010
Sao Paulo BRAZIL
TEL: (011) 3743 9377

CHILE

Comercial Fancy S.A.
Avenida Rancagua #0330
Providencia Santiago, CHILE
TEL: 56-2-373-9100

EL SALVADOR

OMNI MUSIC
75 Avenida Notre y Alameda
Juan Pablo 2 No. 4010
San Salvador, EL SALVADOR
TEL: (503) 262-0788

MEXICO

Casa Veerkamp, s.a. de c.v.
Av. Toluca No. 323 Col. Olivar de
los Padres 01780 Mexico D.F.
MEXICO
TEL: (525) 668 04 80

**La Casa Wagner de
Guadalajara s.a. de c.v.**
Av. Corona No. 202 S.J
Guadalajara, Jalisco Mexico
C.P. 44100 MEXICO
TEL: (3) 613 1414

PANAMA

Productos Superiores, S.A.
Apartado 655 - Panama 1
REP. DE PANAMA
TEL: (507) 270-2200

URUGUAY

Todo Musica
Cuareim 1488, Montevideo,
URUGUAY
TEL: 5982-924-2335

VENEZUELA

Musicland Digital C.A.
Av. Francisco de Miranda,
Centro Parque de Cristal, Nivel
C2 Local 20 Caracas
VENEZUELA
TEL: (02) 285 9218

EUROPE

AUSTRIA

Roland Austria GES.M.B.H.
Siemensstrasse 4, P.O. Box 74,
A-6063 RUM, AUSTRIA
TEL: (0512) 26 44 260

BELGIUM/HOLLAND/ LUXEMBOURG

Roland Benelux N. V.
Houtstraat 3 B-2260 Oevel
(Westerlo) BELGIUM
TEL: (014) 575811

DENMARK

Roland Scandinavia A/S
Nordhavnvej 7, Postbox 880
DK-2100 Copenhagen
DENMARK
TEL: (039)16 6200

FRANCE

Roland France SA
4, Rue Paul Henri SPAAK
Parc de l'Esplanade F 77 462 St.
Thibault Lagny Cedex FRANCE
TEL: 01 60 00 73 500

FINLAND

**Roland Scandinavia As,
Finnish Finland**
Lauttasaarentie 54 B
Fin-00201 Helsinki, FINLAND
TEL: (9) 682 4020

GERMANY

**Roland Elektronische
Musikinstrumente
Handelsgesellschaft mbH.**
Oststrasse 96, 22844 Norderstedt,
GERMANY
TEL: (040) 52 60090

GREECE

STOLLAS S.A.
Music Sound Light
155, New National Road
26422 Patras, GREECE
TEL: 061-435400

HUNGARY

Intermusica Ltd.
Warehouse Area 'DEPO' PL83
H-2046 Torokbalint, HUNGARY
TEL: (23) 511011

IRELAND

Roland Ireland
Audio House, Belmont Court,
Donnybrook, Dublin 4,
Republic of IRELAND
TEL: (01) 2603501

ITALY

Roland Italy S. p. a.
Viale delle Industrie, 8
20020 Arose Milano, ITALY
TEL: (02) 937-78300

NORWAY

**Roland Scandinavia Avd.
Kontor Norge**
Lilleakerveien 2 Postboks 95
Lilleaker N-0216 Oslo
NORWAY
TEL: 273 0074

POLAND

P. P. H. Brzostowicz
UL. Gibraltarska 4,
PL-03664 Warszawa POLAND
TEL: (022) 679 44 19

PORTUGAL

**Tecnologias Musica e Audio,
Roland Portugal, S.A.**
RUA SANTA CATARINA
131 - 4000 Porto -PORTUGAL
TEL: (02) 208 44 56

ROMANIA

FBS LINES
Plata Libertatii 1,
RO-4200 Cheorgheni
TEL: (066) 164-609

RUSSIA

Slami Music Company
Sadovaya-Triumfalnaja st., 16
103006 Moscow, RUSSIA
TEL: 095 209 2193

SPAIN

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

SWEDEN

**Roland Scandinavia A/S
SWEDISH SALES OFFICE**
Danvik Center 28, 2 tr.
S-131 30 Nacka SWEDEN
TEL: (08) 702 0020

SWITZERLAND

**Roland (Switzerland) AG
Musitronic AG**
Gerberstrasse 5, CH-4410 Liestal,
SWITZERLAND
TEL: (061) 921 1615

UKRAINE

TIC-TAC
Mira Str. 19/108
P.O. Box 180
295400 Munkachevo, UKRAINE
TEL: (03131) 414-40

UNITED KINGDOM

Roland (U.K.) Ltd.
Atlantic Close, Swansea
Enterprise Park SWANSEA
SA7 9FL,
UNITED KINGDOM
TEL: (01792) 700139

MIDDLE EAST

BAHRAIN

Moon Stores
Bab Al Bahrain Road,
P.O. Box 20077
State of BAHRAIN
TEL: 211 005

CYPRUS

Radex Sound Equipment Ltd.
17 Diagorou St., P.O. Box 2046,
Nicosia CYPRUS
TEL: (02) 453 426

ISRAEL

**Halilit P. Greenspoon &
Sons Ltd.**
8 Retzif Fa'aliya Hashbnya St.
Tel-Aviv-Yahv ISRAEL
TEL: (03) 6823666

JORDAN

AMMAN Trading Agency
Prince Mohammed St. P.O. Box
825 Amman 11118 JORDAN
TEL: (06) 4641200

KUWAIT

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

LEBANON

A. Chahine & Fils
P.O. Box 16-5857 Gergi Zeidan St.
Chahine Building, Achrafieh
Beirut, LEBANON
TEL: (01) 335799

OMAN

**OHI Electronics & Trading
Co. LLC**
P.O. Box 889 Muscat
Sultanate of OMAN
TEL: 959085

QATAR

Badie Studio & Stores
P.O. Box 62,
DOHA QATAR
TEL: 423554

SAUDI ARABIA

**aDawlah Universal
Electronics APNL**
P.O. Box 2154 ALKHOBAR 31952,
SAUDI ARABIA
TEL: (03) 898 2081

SYRIA

**Technical Light & Sound
Center**
Khaled Ibn Al Walid St.
P.O. Box 13520
Damascus - SYRIA
TEL: (011) 2235 384

TURKEY

**Barkat Muzik aletleri ithalat
ve ihracat limited ireketi**
Siraselviler Cad. Billurcu Sok.
Mucadelle Cikmeze No. 11-13
Taksim, Istanbul, TURKEY
TEL: (0212) 2499324

U.A.E.

**Zak Electronics & Musical
Instruments Co.**
Zabeel Road, Al Sherouq Bldg.,
No. 14, Grand Floor DUBAI
U.A.E.
P.O. Box 8050 DUBAI, U.A.E.
TEL: (04) 360715

NORTH AMERICA

CANADA

**Roland Canada Music Ltd.
(Head Office)**
5480 Parkwood Way Richmond
B. C. V6V 2M4 CANADA
TEL: (0604) 270 6626

Roland Canada Music Ltd.

(Toronto Office)
Unit 2, 109 Woodbine Downs
Blvd, Etobicoke, ON
M9W 6Y1 CANADA
TEL: (0416) 213 9707

U. S. A.

Roland Corporation U.S.
5100 S. Eastern Avenue
Los Angeles, CA 90040-2938,
U. S. A.
TEL: (323) 890 3700

HP 237

 Roland®

71459367

UPC

71459367



18981

 Roland®