RG-1

Roland Digital Grand

Owner's Manual

RG-1
Roland Digital Grand

OWNER´S MANUAL

Thank you, and congratulations on your choice of the Roland RG-1 Digital Grand Piano.

Before using this unit, carefully read the sections entitled: "IMPORTANT SAFETY INSTRUCTIONS" (p. 2), "USING THE UNIT SAFELY" (p. 3–4), and "IMPORTANT NOTES" (p. 5–6).
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.

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

- Never install the unit in any of the following locations.
  - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
  - Damp (e.g., baths, washrooms, on wet floors); or are
  - Exposed to steam or smoke; or are
  - Subject to salt exposure; or are
  - Humid; or are
  - Exposed to rain; or are
  - Dusty or sandy; or are
  - Subject to high levels of vibration.

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- Do not open or perform any internal modifications on the unit.

....

- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

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- 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.

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- The unit should be connected to a power supply only of the type described in the operating instructions, or as marked on the bottom of unit.

....

- Use only the attached power-supply cord. Also, the supplied power cord must not be used with any other device.

....

- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!

....

⚠WARNING

- This unit, 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 immediately stop using the unit, and consult an audiologist.

....

- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.

....

- Immediately turn the power off, remove the power cord from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:
  - The power-supply cord, or the plug has been damaged; or
  - If smoke or unusual odor occurs
  - Objects have fallen into, or liquid has been spilled onto the unit; or
  - The unit has been exposed to rain (or otherwise has become wet); or
  - The unit does not appear to operate normally or exhibits a marked change in performance.

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- 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.

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- Protect the unit from strong impact. (Do not drop it!)

....

3

⚠ WARNING

- 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.

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- 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.

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- DO NOT play a CD-ROM disc on a conventional audio CD player. The resulting sound may be of a level that could cause permanent hearing loss. Damage to speakers or other system components may result.

....

- Do not put anything that contains water (e.g., flower vases) on this unit. Also, avoid the use of insecticides, perfumes, alcohol, nail polish, spray cans, etc., near the unit. Swiftly wipe away any liquid that spills on the unit using a dry, soft cloth.

....

⚠ CAUTION

- The unit should be located so that its location or position does not interfere with its proper ventilation.

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- Always grasp only the plug on the power-supply cord when plugging into, or unplugging from, an outlet or this unit.

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- At regular intervals, you should unplug the power plug and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire.

....

- 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.

....

⚠ CAUTION

- If you need to move the instrument, take note of the precautions listed below. Since this product is very heavy, you must make sure that a sufficient number of people are on hand to help, so you can lift and move it safely, without causing strain. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.
  - Check to make sure the screws securing the unit to the legs and pedals 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 adjuster on the pedals.
  - Close the Top.
  - Close the lid.
  - Fold down the music stand.

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- Before cleaning the unit, turn off the power and unplug the power cord from the outlet.

....

- Whenever you suspect the possibility of lightning in your area, pull the plug on the power cord out of the outlet.

....

- Be careful so you don't get your fingers pinched when you handle any moving parts such as the following. Adult supervision is recommended whenever small children use the unit.

  Moving Parts
  - Top (p. 14), Lid (p. 15), Music Rest (p. 14), Top Stick (p. 14)

....

- Always keep the following small parts that may be removed out of the reach of small children to avoid accidental ingestion of these parts.
  - Piano leg screws
  - Screws used in attaching the pedals
  - Pedal stay securing screws
  - Bracket securing screws
  - Cord clamps (using double-sided tape) used for securing pedal cord
  - Cord clamps/screws used for securing power cord

....

- The RG-1 includes the fitting (brackets) to prevent it from falling over.
  Excessive load, caused by hanging from, or leaning upon the locations indicated by the arrows in the figure may cause the unit to tilt and fall over.
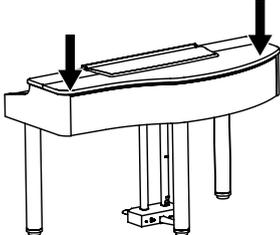
  Although the instrument should not fall over during normal use, to ensure added safety, we recommend that you use the unit with the bracket installed.
  (Please refer to "Installing the Brackets" (p. 97))

  Please be aware, however, that certain methods of handling may cause the instrument to fall over even with the brackets attached.

....

IMPORTANT NOTES

Power Supply

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.

- 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.

- Although the LCD and LEDs are switched off when the POWER switch is switched off, this does not mean that the unit has been completely disconnected from the source of power. If you need to turn off the power completely, first turn off the POWER switch, then unplug the power cord from the power outlet. For this reason, the outlet into which you choose to connect the power cord's plug should be one that is within easy reach and readily accessible.

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.

- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.

- 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. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.

- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.

- Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.

- Do not allow objects to remain on top of the keyboard. This can be the cause of malfunction, such as keys ceasing to produce sound.

- Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.

Maintenance

- To clean the unit, use a dry, soft cloth; or one that is slightly dampened. Try to wipe the entire surface using an equal amount of strength, moving the cloth along with the grain of the wood. Rubbing too hard in the same area can damage the finish.

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

- The pedals of this unit are made of brass. Brass eventually darkens as the result of the natural oxidization process. If the brass becomes tarnished, polish it using commercially available metal polisher.

Repairs and Data

- Please be aware that all data contained in the unit's memory may be lost when the unit is sent for repairs. Important data should always be backed up on a USB memory or floppy disk, or written down on paper (when possible). During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data, and Roland assumes no liability concerning such loss of data.

Additional Precautions

- Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the unit. To protect yourself against the risk of loosing important data, we recommend that you periodically save a backup copy of important data you have stored in the unit's memory on a USB memory or floppy disk.

- Unfortunately, it may be impossible to restore the contents of data that was stored in the unit's memory, on a USB memory, or 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.

- Never strike or apply strong pressure to the display.

- A small amount of noise may be heard from the display during normal operation.

- 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.

- Do not apply undue force to the music stand while it is in use.

- Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.

- Before opening or closing the keyboard lid, always make sure that no pets or other small animals are located on top of the instrument (in particular, they should be kept away from the keyboard and its lid). Otherwise, due to the structural design of this instrument, small pets or other animals could end up getting trapped inside it. If such a situation is encountered, you must immediately switch off the power and disconnect the power cord from the outlet. You should then consult with the retailer from whom the instrument was purchased, or contact the nearest Roland Service Center.

Handling Floppy Disks

- Floppy disks contain a plastic disk with a thin coating of magnetic storage medium. Microscopic precision is required to enable storage of large amounts of data on such a small surface area. To preserve their integrity, please observe the following when handling Floppy disks:
  - Never touch the magnetic medium inside the disk.
  - Do not use or store Floppy disks in dirty or dusty areas.
  - Do not subject Floppy disks to temperature extremes (e.g., direct sunlight in an enclosed vehicle). Recommended temperature range: 10 to 50˚C (50 to 122˚F).
  - Do not expose Floppy disks to strong magnetic fields, such as those generated by loudspeakers.

- Floppy disks have 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.

Rear side of the disk
Write
(can write new data onto disk)
Write Protect Tab
Protect
(prevents writing to disk)
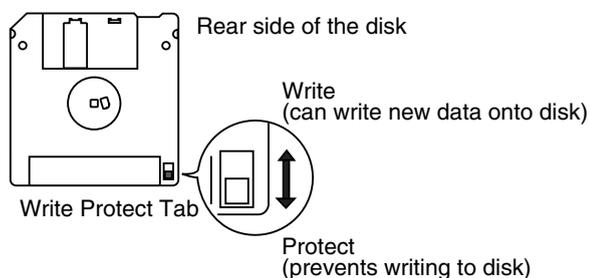
- The identification label should be firmly affixed to the disk. Should the label come loose while the disk is in the drive, it may be difficult to remove the disk.

- Store all disks in a safe place to avoid damaging them, and to protect them from dust, dirt, and other hazards. By using a dirty or dust-ridden disk, you risk damaging the disk, as well as causing the disk drive to malfunction.

Handling the CDs (CD-ROMs)

- When handling the discs, please observe the following.
  - Do not touch the encoded surface of the disc.
  - Do not use in dusty areas.
  - Do not leave the disc in direct sunlight or an enclosed vehicle.

- Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty CD-ROM discs may not be read properly. Keep your discs clean using a commercially available CD cleaner.

- Keep the disc in the case.

- Do not keep the disc in the CD drive for a long time.

- Do not put a sticker on the label of the disc.

- Wipe the disc with a soft and dry cloth radially from inside to outside. Do not wipe along circumference.

- Do not use benzine, record cleaner spray or solvents of any kind.

- Do not bend the disc. Bending discs may prevent proper reading and writing of data, and may further result in malfunction.

Using USB Memory

- When connecting USB memory, make sure to press it until it is fully inserted.

- Never touch the terminals of the USB memory. Also, avoid getting the terminals dirty.

- USB memory is constructed using precision components; handle the cards carefully, paying particular note to the following.
  - To prevent damage to the USB memory from static electricity, be sure to discharge any static electricity from your own body before handling the USB memory.
  - Do not touch or allow metal to come into contact with the contact portion of the USB memory.
  - Do not bend, drop, or subject USB memory to strong shock or vibration.
  - Do not keep USB memory in direct sunlight, in closed vehicles, or other such locations.
  - Do not allow USB memory to become wet.
  - Do not disassemble or modify the USB memory.

- Insert the USB memory in the External Memory connector evenly and without undue force. Forcing the USB memory may damage the External memory connector.

- Do not insert any object other than the USB memory (e.g., wires, coins, other types of disks, etc.) in the External Memory connector. This may damage the External Memory connector.

- Do not subject the connected USB memory to excessive stress.

- Close the USB memory cover when using the USB memory for extended periods.

Introduction

Main Features

Piano Sounds with Rich Resonance and Wide-Ranging Expressiveness

- The stereo sampling piano sound generator realistically reproduces even the sound of the hammers striking the strings, producing the tones of a high-quality concert grand piano.

- Maximum polyphony of 128 notes ensures that you can use the pedal freely without running out of notes.

"Ivory Feel" Keyboard Provides Grand Piano Touch and Feel

- The RG-1 features an "ivory feel" keyboard, which thanks to the latest technology, reproduces the comfortable touch and feel of ivory (used for the white keys) and ebony (used for the black keys), materials reputed to be the best for use for piano keyboards. The white keys are made using a two-piece construction consisting of a surface material added to the basic key material. They have a natural appearance and just the right rigidity and response.

- The RG-1 promises superior performance with features such as Progressive Hammer Action II (PHA II), which reproduces the touch of a grand piano and provides a heavier feel in the lower registers, and lighter, quicker response in the upper registers, while also accurately reproducing the distinctive clicking feel that occurs when the keys are played gently (escapement).

- The instrument has been treated to provide antibacterial protection, so you can enjoy long years of clean, worry-free use.

Roland Digital Grand Brings Refinement to Interior Style

- The RG-1 is a grand cabinet of elegant form. With features just like those found on an acoustic grand, such as a top board that opens and closes, this instrument is a perfect match for lounge or living room.

- The simple, modern, and stylish panel design makes switching tones and making settings a snap.

Full Complement of Player Piano Functions

- The RG-1 comes pre-programmed with internal jazz and classical song data. You can also connect a commercially available USB CD drive or optional floppy disk drive to play CD-ROMs containing saved SMF files, audio CDs, and a variety of other song data. What's more, you can add to your collection of song data by copying songs stored on USB memory, on floppy disks, and on CD-ROMs to the RG-1's "Favorites."

Instrument Endowed with Superior Basic Functions

- The RG-1 also is programmed with 20 carefully selected performance tones, including grand piano tones. What's more, the settings for the "key touch," "hammer response," and other precision tone adjustment settings that performers demand can be stored in the RG-1 itself.

- On top of this, a newly designed sound system puts the focus on the sound of the piano to achieve a luscious, natural piano sound.

- Since the RG-1 is a digital instrument, it has no strings and therefore requires no tuning.

Conventions Used in This Manual

This manual uses the following conventions in the interest of simpler, more concise instructions.

- Button names are enclosed in square brackets "[ ]", as in [Song] button.

- An asterisk (*) or a NOTE at the beginning of a paragraph indicates a note or precaution. These should not be ignored.

- (p. **) refers to pages within the manual.

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* GS ( ) is a registered trademark of Roland Corporation.

* XG lite ( ) is a registered trademark of Yamaha Corporation.

* All product names mentioned in this document are trademarks or registered trademarks of their respective owners.

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Changing Various Settings 66

Panel Descriptions

Front Panel

1 [Power] switch

Turns the power on/off (p. 16).

2 [Volume] knob

Adjusts the overall volume level (p. 16).

3 [Brilliance] knob

Adjusts the tone brightness (p. 16).

4 Tone buttons

They are used to choose the kinds of tones (tone groups) played by the keyboard (p. 21).

[Piano 1] button

[Piano 2] button

[Harpsichord] button

[Vibraphone] button

[E.Piano] button

5 Display

Tone and song names and the values of various settings are displayed here (p. 20).

6 [Function] (Exit) button

This switches the RG-1 to the Function screen (p. 20).

You can make various different settings in the Function screen, including settings for the master tuning and temperaments.

7 [Song] (Select -) button

This displays the Song Select screen (p. 20). The song genre is switched each time you press this button while the Song Select screen is displayed (p. 43).

When the Function screen is displayed, this button is used to select the item for which settings are to be made (p. 67).

8 [◄◄] (Select +) button

Press this button while the Song Select screen is displayed to select the previous song (p. 44, p. 46, p. 47).

When the Function screen is displayed, this button is used to select the item for which settings are to be made (p. 67).

9 [►/■] (Value -) button

Press this button while the Song Select screen is displayed to start and stop playback of the song (p. 44, p. 46, p. 47).

Press this button while the Function screen is displayed to change the value of a setting (p. 67).

10 [►►|] (Value +) button

Press this button while the Song Select screen is displayed to select the next song (p. 44, p. 46, p. 47).

Press this button while the Function screen is displayed to change the value of a setting (p. 67).

11 [Enter] button

Press this button while the Function screen is open to make even more detailed settings.

Jack Panel (RG-1's Bottom Left Panel)
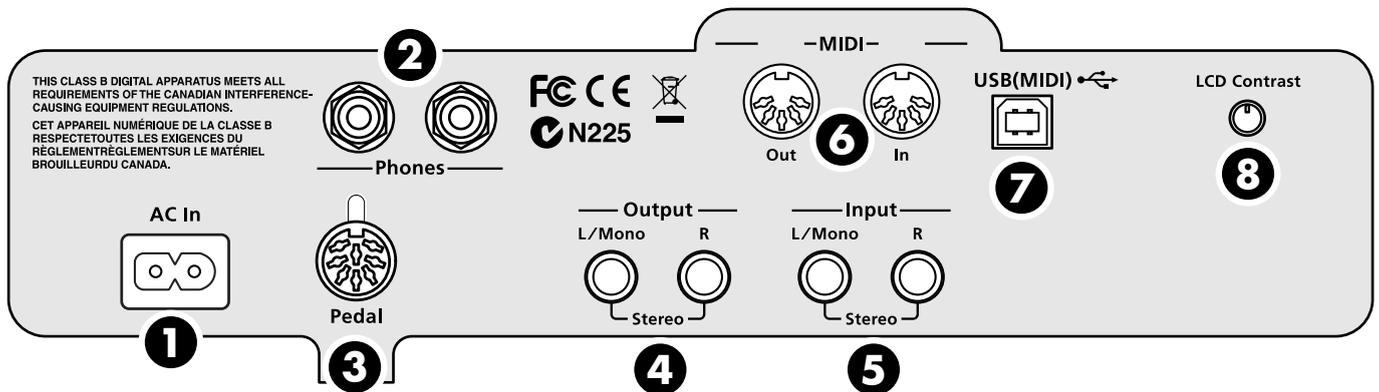
1 AC Inlet

Connect the included power cord to this inlet (p. 15).

2 Phones jacks

Connect the headphones here (p. 17).

3 Pedal connector

Connect the pedal cord here (p. 15).

4 Output jacks

These jacks can be connected to your audio system to enjoy more powerful sound (p. 79).

5 Input jacks

You can connect other sound generating devices or audio equipment here and have their sound be played through the RG-1's speakers (p. 80).

6 MIDI In/Out connectors

Connect to external MIDI devices to exchange performance data (p. 81).

7 USB (MIDI) connector

You can connect a computer and exchange performance data between the instrument and the computer (p. 82).

8 LCD Contrast knob

This adjusts the brightness of the front panel display (p. 20).

RG-1's Bottom Right Panel
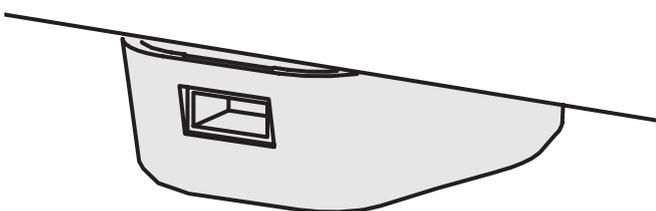
1 External memory connector

Here you can connect USB memory, a floppy disk drive, or a CD drive, and play back stored songs (p. 45, p. 47).

You can also use USB memory to save a song you've recorded on the RG-1 (p. 64).

By rotating the base you can neatly store the USB memory or USB cable.

* *CD drives that draw their power from the USB connector cannot be used.*

Before You Start Playing

Opening and Closing the Top

Raising the Music Rest

⚠ **CAUTION**

Always be sure to raise the music rest in the upright position before opening and raising the piano top. Be sure to fold down the music rest in the upright position after closing the piano top.

1. Gently raise the music rest, then secure it in place.

2. To collapse the music rest, fold in the metal fittings while supporting the music rest with hand and gently fold down the music rest.
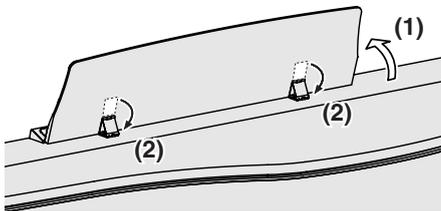
Open the Top Board

⚠ **WARNING**

Children must not be permitted to open or close the top on their own—adult supervision is required.

3. Lift the right front (the upper note side: A in the figure) of the board with both hands, fold it up.
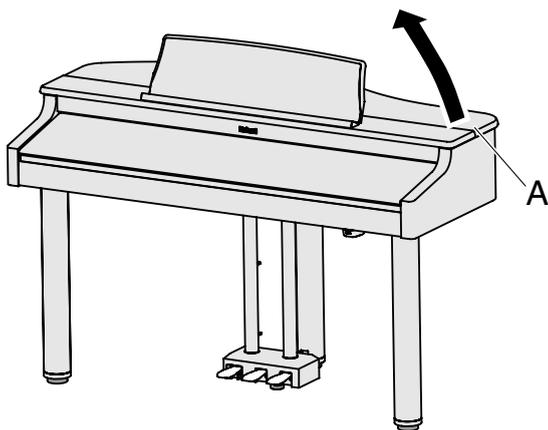
⚠ **WARNING**

When opening the top, be careful not to open it too far. Opening the top at an angle in excess of 30 degrees may damage the unit, or cause the top to drop. Also, before opening the top, make sure that no one is in the path of the top as it is opened.

⚠ **CAUTION**

Do not move the piano with the top in the open position. The top stick may disengage from the slip, causing the top to fall.

4. While holding up the top with one hand, lift up the top stick and insert its end into the appropriate top slip.

5. Move the tip of the top stick to position B on the slip to lock it in place.

NOTE

To keep the top board from falling, be sure to secure it in place by inserting the top stick into a slip. Also, never let go of the top until the top stick is completely inserted and secured in place.
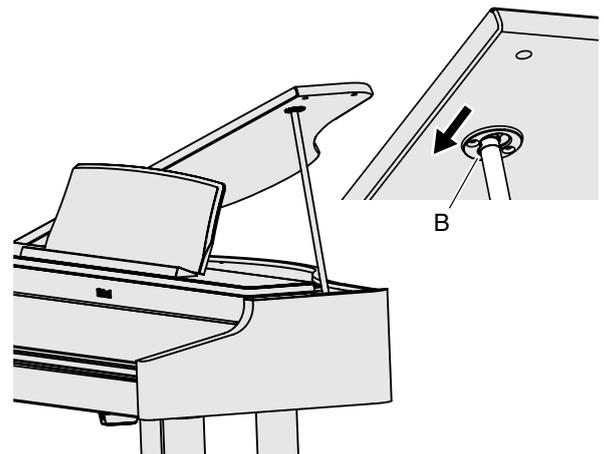
◆ To close the top, reverse the opening procedure.

Opening and Closing the Lid
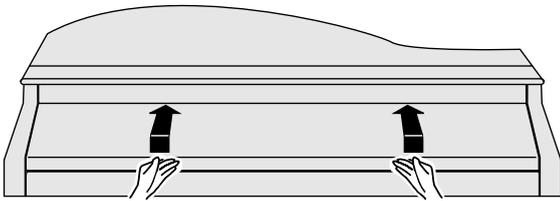
1. To open the lid, hold handles with both hands and lift it straight up. Then, slide it to the rear.

2. To close the lid, hold handles with both hands and slowly pull it forward until it stops. Then, gently lower it into place.

⚠ CAUTION

- When opening and closing the lid, be careful not to let your fingers get caught. Small children should use it only under the supervision of an adult.

- When moving the piano, for safety's sake be sure to close the lid first.

- Make sure you don't have anything (such as sheet music) on the keyboard when you close the lid.

Connecting the Pedal Cord and the Power Cord
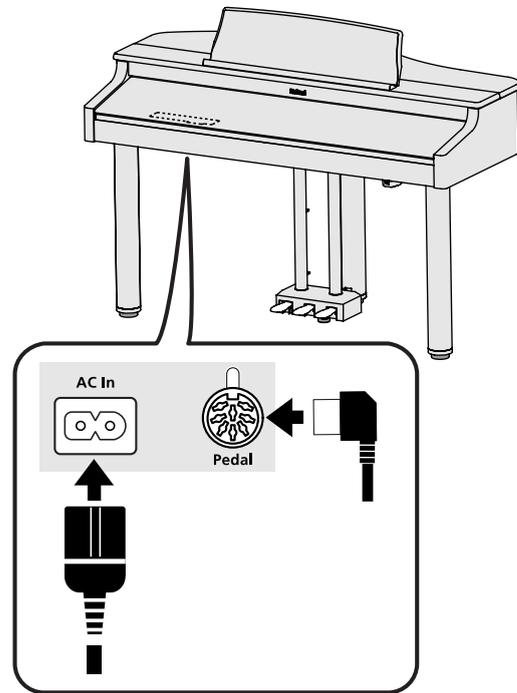
1. Plug the pedal cord into the Pedal jack in the jack panel on the RG-1's bottom left panel.

2. Connect the supplied power cord to the AC inlet located in the jack panel.

3. Secure the pedal cord and power cord in place with the cord clamps, after affixing them at locations A, B, and C (recommended) as shown in the figure below.

4. Secure the power cord in place with the cord clamps, after fixing them with screws at locations D, E, and F in the figure below.
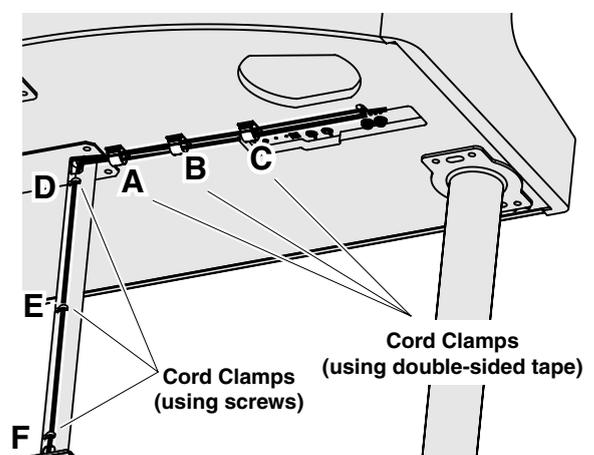
5. Plug the power cord into an AC outlet.

Turning the Power On and Off

NOTE

Once the connections have been completed (p. 15), 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. Turn the [Volume] knob all the way down.

2. Press the [Power] switch.

When you turn on the power to the RG-1, the front panel display appears as shown below.

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        Roland
    Digital Grand
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After a few seconds, you will be able to play the keyboard to produce sound.
Use the [Volume] knob to adjust the volume.

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. Turn the [Volume] knob all the way to the left.

2. Press the [Power] switch.

The front panel display goes blank, and the power is turned off.

* *If you need to turn off the power completely, first turn off the [Power] switch, then unplug the power cord from the power outlet. Refer to "Power Supply" (p. 5).*

Adjusting the Sound's Volume and Brilliance

1. Turn the [Volume] knob to adjust the overall volume.

2. Turn the [Brilliance] knob to adjust the brightness of the sound.

MEMO

The mark at the top of the [Volume] knob indicates the volume level typically produced by an acoustic piano. This is usually the most appropriate volume for your piano performances.

About the Pedals

The pedals have the following functions, and are used mainly for piano performance.

Soft Pedal   Damper Pedal
    Sostenuto Pedal
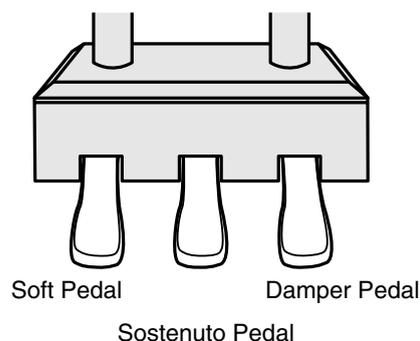
Damper pedal (right pedal)

While this pedal is pressed, notes will be sustained even after you take your fingers off the keys.

The length of the sustain changes subtly according to the extent to which the pedal is depressed.

On an acoustic piano, holding down the damper pedal will allow the remaining strings to resonate in sympathy with the sounds that you played from the keyboard, adding a rich resonance.

The RG-1 simulates this Damper Resonance.

→ *You can change the amount of resonance applied with the damper pedal. Please refer to "Adjusting Resonance when the Damper Pedal is Depressed (Damper Resonance)" (p. 26).*

Sostenuto pedal (center pedal)

This pedal sustains only the sounds of the keys that were already played when you pressed the pedal.

Soft pedal (left pedal)

When you hold down this pedal and play the keyboard, the sound will have a softer tone.

The softness of the tone can be varied subtly by the depth to which you press the pedal.

→ *You can assign functions to the left and center pedals. Refer to "Assigning Functions to Pedals" (p. 69).*

NOTE

If you feel that the pedal is unstable (for example if you've moved the RG-1 to a different location), you can adjust the adjuster located on the bottom of the pedals as follows.
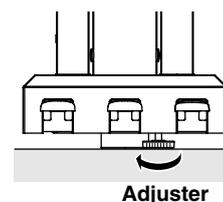
Adjuster

Rotate the adjustor to lower it so that it is in firm contact with the floor. If there is a gap between the pedals and the floor, the pedals may be damaged. In particular when placing the instrument on carpet, adjust this so that the pedals firmly contact the floor.

Connecting Headphones

The RG-1 has two jacks for plugging in headphones. This allows two people to listen through headphones simultaneously, making it very useful for lessons and performing piano pieces for four hands. Additionally, this allows you to play without bothering others around you, even at night.
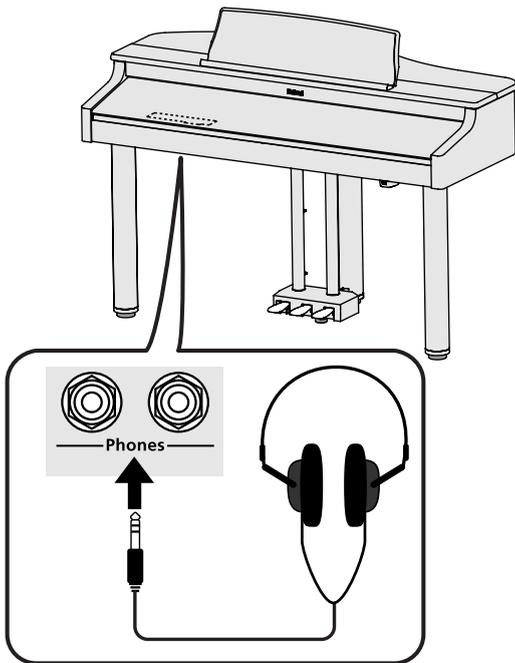
1. **Plug the headphones into a Phones jack located in the jack panel on the RG-1's bottom left panel.**

   Connecting headphones will automatically mute the sound from the internal speakers.

   The headphone volume is adjusted by the [Volume] knob of the RG-1.

NOTE

- Use Stereo headphones.

- To prevent damage to the cord, handle the headphones only by the headset or the plug.

- Connecting the headphones when the volume of connected equipment is turned up may result in damage to the headphones. Lower the volume on the RG-1 before plugging in the headphones.

- Listening at excessively high volume levels will not only damage the headphones, but may also cause hearing loss. Use the headphones at a moderate volume level.

Using the Headphone Hook

Whenever you are not using the headphones, you can hang them on the headphone hook of the RG-1.

1. **Press and twist the headphone hook included with the RG-1 into the hole in the bottom left of the RG-1 (refer to the figure below).**

2. **Turn the headphone hook wing nut to secure the headphone hook.**

Wing nut
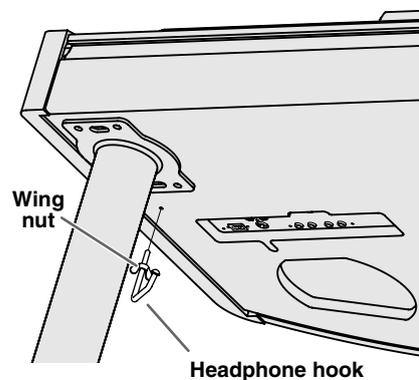
Headphone hook

NOTE

Do not hang anything other than headphones on the headphone hook. Doing so may damage the instrument or the hook.

Using USB Memory/Floppy Disk

A song you've recorded on the RG-1 can be saved by copying it to separately sold USB memory. You can also copy songs to a floppy disk using a separately sold floppy disk drive (p. 64).

You can also play back SMF music files or audio files (p. 47) saved on USB memory or a floppy disk.

NOTE

Use USB memory and floppy disk drive available from Roland. Proper operation cannot be guaranteed if other USB device is used.

MEMO

If you're using new USB memory or floppy Disk, you'll need to initialize (format) it on the RG-1. For details, refer to "Initializing the User Memory, USB Memory, and Floppy Disks" (p. 76).

Connecting USB Memory

1. **Connect the USB memory to the External memory connector.**
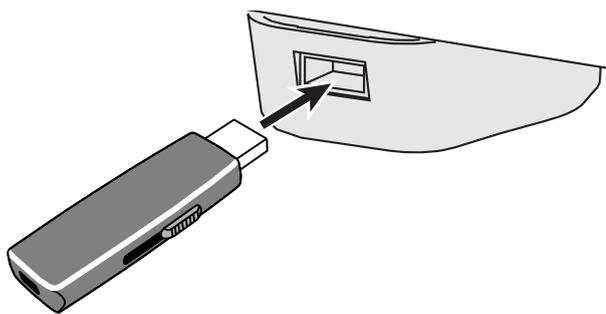
 * *Carefully insert the USB memory all the way in—until it is firmly in place.*

Installing the Floppy Disk Drive

1. **Attach the floppy disk drive as shown the figure, using the mounting holes on the RG-1's bottom panel.**

 * *For details of the attachment, refer to the owner's manual of the floppy disk drive.*
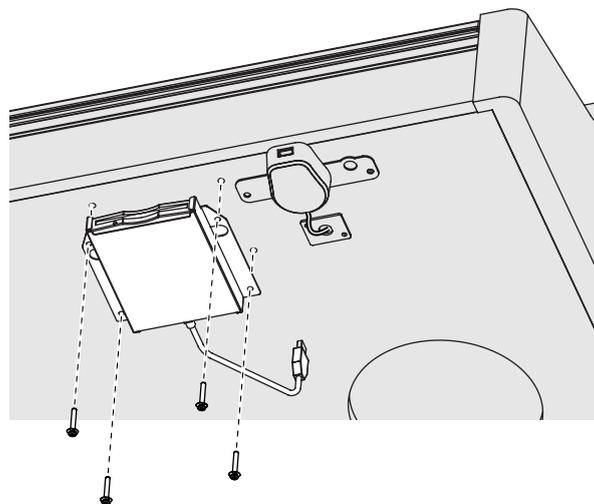
2. **Connect the USB cable included with the floppy disk drive to the External memory connector on the RG-1.**
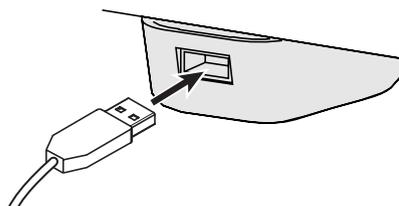
Using CD

You can play back audio CDs and CD-ROMs containing saved SMF music files.

MEMO

You can also play songs on VIMA CD-ROMs (VIMA TUNES) sold by Roland.

Precautions Concerning Use of the CD

• You cannot play back CD-R/RW discs to which audio tracks have been added or CDs containing both audio tracks and data (CD Extra).

• The RG-1 is capable of playing back only commercial CDs that conform the official standards-those that carry the "COMPACT disc DIGITAL AUDIO" logo.

• The usability and sound quality of audio discs that incorporate copyright protection technology and other non-standard CDs cannot be guaranteed.

• For more detailed information on audio discs featuring copyright protection technology and other non-standard CDs, please consult the disc vendor.

• You cannot save songs to CDs, and you cannot delete songs recorded to CDs. Furthermore, you cannot format CDs.

Connecting a CD Drive

NOTE

• The RG-1 does not support CD drives that are powered by the USB bus. If you use a USB-bus-powered CD drive, you must use the power supply included with the CD drive so that the drive will operate under its own power.

• Both a floppy disk drive and a CD drive cannot be installed at the same time.

1. Attach the CD drive as shown the figure, using the mounting holes on the RG-1's bottom panel.

   * *For details of the attachment, refer to the owner's manual of the CD drive holder (sold separately).*
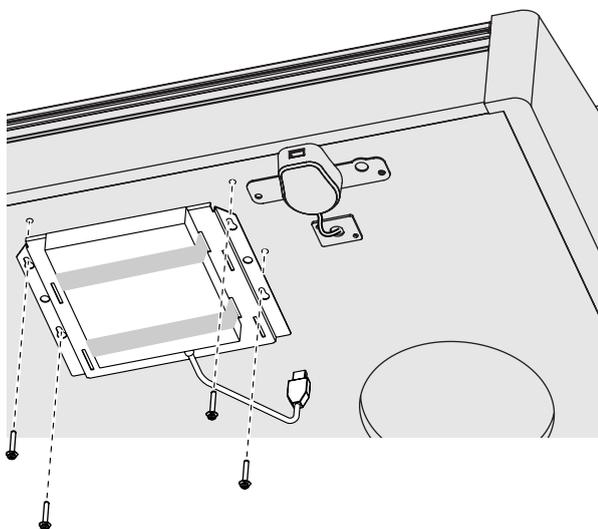
2. Turn off the power to the RG-1 and the CD drive to be connected.

3. Connect the USB cable included with the CD drive to the External memory connector on the RG-1.
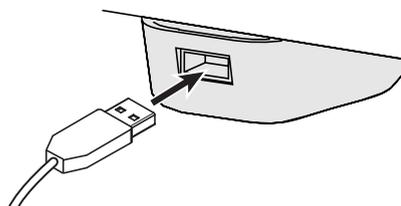
4. Turn on the power to the connected CD drive.

5. Turn on the power to the RG-1.

NOTE

For information on how to perform the following CD-drive operations, refer to the owner's manual for the drive.

• Switching the power on and off

• Inserting and ejecting a CD

MEMO

A list of the CD drives that have been tested and found to be compatible is available on the Roland website.

http://www.roland.com/

About the Screens

Immediately after the power is turned on, the Song Select screen like the one below is displayed.

Main Screens

Song Select Screen

When you press the [Song] button, the following screen is displayed. Each time you press the [Song] button in this screen, the song genre is switched.

```
        Jazz
   1:Windy Afternoon
```
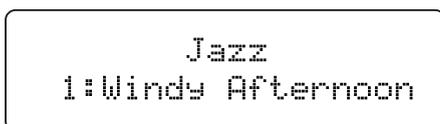
Function Screen

Press the [Function] (Exit) button; the indicator lights, and the following screen appears.

```
KEYBOARD
              Touch= 50
```
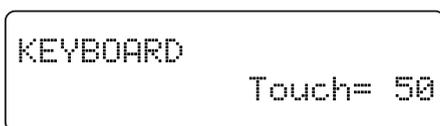
Tone Screen

Press on of the Tone buttons; the indicator lights, and the following screen appears.

```
     Piano 1 - 1
     Grand Piano1
```
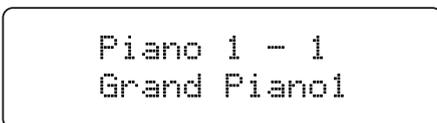
Adjusting the Contrast of the Screen

1. **Turn the LCD Contrast knob located in the jack panel on the RG-1's bottom left to adjust the brightness of the display.**
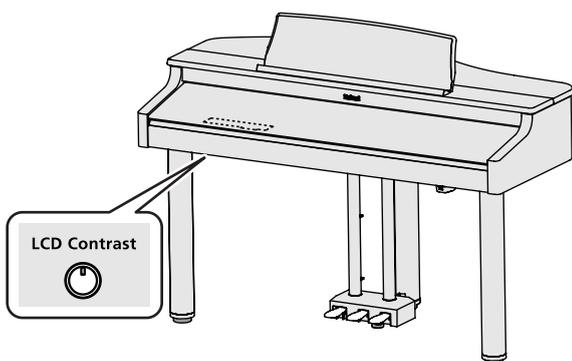
Performance

Performing with a Variety of Sounds

The RG-1 contains 20 different internal tones.

The tones are organized into five tone groups, which are assigned to the Tone buttons.

Piano 1   Piano 2   Harpsi-chord   Vibra-phone   E.Piano
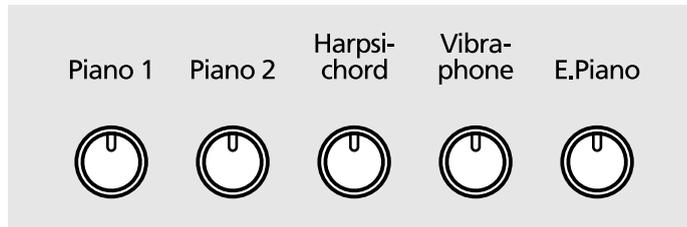
Selecting a Tone Group

1 **Press any Tone button.**

The indicator of the button you pressed will light.

When you play the keyboard, you will hear a sound in the selected tone group.

Selecting Variation Tones

2 **While holding down one of the Tone buttons and the [▶/■] (Value -) or [▶▶ı] (Value +) button to select the tone.**

The tone name appears in the display.

```
    Piano 1 - 1
    Grand Piano1
```
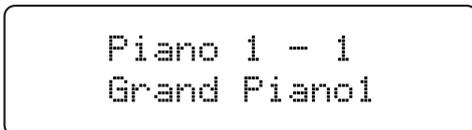
The tone you've selected is heard when you finger the keyboard.

Piano 1		Piano 2		Harpsichord	
1	Grand Piano1	1	Grand Piano2	1	Harpsichord
2	Grand Piano1 + Str	2	Grand Piano2 + Str	2	Coupled Harpsichord
3	Grand Piano1 + Pad	3	Grand Piano2 + Pad	3	Harpsichord + Choir
4	Piano1 + FM E.Piano	4	Piano2 + Bell	4	Harpsichord + Str

Vibraphone		E.Piano	
1	Vibraphone	1	Electric Piano
2	Bell	2	FM E.Piano
3	Harp	3	'60s Electric Piano
4	Electric Piano + Pad	4	Electric Piano + Str

Some tones are assigned a pair of tones (Layer tones), which allow you to perform with two tones layered together.

MEMO

The factory settings have tone demos registered in the "Favorites" (p. 43).

You can check and confirm the internal tones.

You can delete tone demos in the "Favorites" and overwrite them by saving other songs in their place.

If you want to play back tone demos after they have been deleted, initialize the User Memory to restore the factory settings (p. 76).

MEMO

Songs on **VIMA CD-ROMs (VIMA TUNES)** are programmed with "recommended tones" suitable for each song.

When you select a song, the recommended tones are assigned to the RG-1's Tone buttons, and those Tone buttons then flash.

When you press a flashing Tone button, the recommended tone is selected, enabling you to perform the selected song using a tone matched to that song as it plays back.

MEMO

You can also switch the Split function (p. 38) on and off by holding down a Tone button and pressing the [Song] button.

The Tone screen appears as shown below when the Split function is on.

```
    Piano 1 - 1
A.Bs / Grand Piano1
```
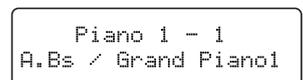
Pressing a Tone button once more cancels the Split function.

Changing the Volume Balance of the Layered Tones (Layer Balance)

Some tones enable you to perform with two tones layered together. These are called "Layer tones."

When you select a Layer tone, you can also change the balance in the volume of the two Layer tones.

1 Press the [Function] (Exit) button so the indicator is lit.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the BALANCE screen.

```
BALANCE Key:Acmp=5:5
            Layer=7:3
```

3 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Layer" to flash.

```
BALANCE Key:Acmp=5:5
            Layer=7:3
```

4 Press the [►/■] (Value -) button or [►►I] (Value +) button to adjust the volume balance.

Value	description
1: 9–9: 1	The volume increases as the value is raised. The numeral on the left indicates the tone's original volume level, and the number on the right indicates the volume of the tone as played with the other Layer tone.

Example:
When Grand Piano1+Str (Grand Piano 1 + Strings) are selected as the tones

```
BALANCE Key:Acmp=5:5
            Layer=7:3
```

Volume level of Strings
Volume level of Grand Piano 1

5 Press the [Function] (Exit) button so the indicator goes out.

Making Fine Adjustments to the Piano Sound (Piano Customize)

You can make fine adjustments to the sound of the piano as desired.

This feature is called "Piano Customize."

1 Press the [Function] (Exit) button so the indicator is lit.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to select the item you want to set.

3 Press the [►/■] (Value -) or [►►ı] (Value +) button to change the value.

4 Press the [Function] (Exit) button so the indicator goes out.

Display	Item	Page
Hammer Response	Time from when the key is fingered until the piano sound is heard.	p. 24
Hammer Noise	The sound of hammers striking strings	p. 25
Damper Resonance	The sound of resonance in other strings caused by the sound of the fingered key, when the damper pedal is depressed	p. 26
Damper Noise	The sound heard when strings are released by depressing the damper pedal	p. 27
Duplex Scale	The sound of aliquot resonance	p. 28
String Resonance	The resonant sound of strings for keys already held down when the keyboard is fingered	p. 29
KeyOff Resonance	The sound when a key is released	p. 30
Stretch	(Stretch tuning) A distinctive piano tuning	p. 31
Equal, Just Major, Just Minor, Arabic, Kirnberger, Meantone, Pythagorean, Werckmeister	Equal temperament, arabic, tunings originally used for baroque and other styles of classical music	p. 32

MEMO

You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

Changing the Timing of Sounds According to the Force Used to Press the Keys (Hammer Response)

This adjusts how your playing strength will affect the timing at which the note sounds. This is called the "Hammer Response" function.

On an acoustic piano, pressing a key moves a hammer, which strikes a string to produce sound. If you press the key softly, the hammer will move slowly, meaning that it will take slightly longer (in comparison to a strongly-played note) from the moment you press the key until the sound is produced.

If the Hammer Response function is turned on, the time between the moment you press a key until the sound is heard will change depending on the strength with which you play. As you play more softly, this time will become longer.

1 **Press the [Function] (Exit) button, getting its indicator to light.**

2 **Press the [Song] (Select -) button or [◄◄] (Select +) button to select "Hammer Response" in the KEYBOARD screen.**

```
KEYBOARD
  Hammer Response=Off
```

3 **Press the [►/■] (Value -) or [►►I] (Value +) button to change the value.**

Value	Description
Off, 1–10	Higher settings will produce slower response. The Hammer Response function is not active when the value is set to "Off."

4 **Press the [Function] (Exit) button so the indicator goes out.**

Adjusting the Sound of Hammers Striking Strings (Hammer Noise)

You can adjust the sound produced when the hammer of an acoustic piano strikes the string.

1 Press the [Function] (Exit) button, getting its indicator to light.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to select "Hammer Noise" in the KEYBOARD screen.

```
KEYBOARD
    Hammer Noise=  0
```

3 Press the [►/■] (Value -) or [►►I] (Value +) button to change the value.

Value	Description
-2–0–+2	Higher settings will produce a louder sound of the hammer striking the string.

4 Press the [Function] (Exit) button so the indicator goes out.

Adjusting Resonance when the Damper Pedal is Depressed (Damper Resonance)

You can change the volume of the damper pedal resonance.

On an acoustic piano, depressing the damper pedal makes the notes you play resonate with other strings, adding rich reverberations and fatness to the sound. The damper pedal on the RG-1 recreates this resonance (Damper Resonance) when depressed.

1 Press the [Function] (Exit) button, getting its indicator to light.

2 Press the [Song] (Select -) button or [|◄◄] (Select +) button to select "Damper Response" in the RESONANCE screen.

```
RESONANCE
Damper Resonance=   5
```

3 Press the [►/■] (Value -) or [►►|] (Value +) button to change the value.

Value	Description
Off, 1–10	The resonance volume decreases as the value is lowered, while raising the value increases the volume of the Damper Resonance. The Damper Resonance function is not active when the value is set to "Off."

4 Press the [Function] (Exit) button so the indicator goes out.

MEMO

You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

NOTE

This setting is enabled only with the piano tones.

You cannot set this for other tones.

Adjusting the Sound Heard at String Release When the Damper Pedal is Depressed (Damper Noise)

You can adjust the damper noise of the acoustic piano sound (the sound of the damper releasing the strings when you press the damper pedal).

1   Press the [Function] (Exit) button, getting its indicator to light.

2   Press the [Song] (Select -) button or [◄◄] (Select +) button to select "Damper Noise" in the RESONANCE screen.

```
RESONANCE
     Damper Noise=  4
```

3   Press the [►/■] (Value -) or [►►ı] (Value +) button to change the value.

Value	Description
Off, 1–10	Larger values produce correspondingly greater damper noise. The Damper Noise function is not active when the value is set to "Off."

4   Press the [Function] (Exit) button so the indicator goes out.

NOTE

- This setting is enabled only with the piano tones. You cannot set this for other tones.

- This setting is ignored when Damper Resonance is set to "Off."

Adjusting the Sympathetic Vibrations of an Acoustic Piano's Duplex Scale (Duplex Scale)

"Duplex Scale" refers to a system that causes sympathetic vibrations in the sections of the string toward the front and toward the back.

It can produce sound that is richer and brighter by adding the string's higher harmonics.

Because no damper (sound-stopping mechanism) is applied to the front or back sections of the string, the resonating sounds linger even after the sound of the string stops when you release the played key.

1 Press the [Function] (Exit) button, getting its indicator to light.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to select "Duplex Scale" in the RESONANCE screen.

```
RESONANCE
     Duplex Scale=  5
```

3 Press the [►/■] (Value -) or [►►I] (Value +) button to change the value.

Value	Description
Off, 1–10	Higher settings will make the sympathetic vibration louder. The Duplex Scale function is not active when the value is set to "Off."

4 Press the [Function] (Exit) button so the indicator goes out.

Producing the Resonance of the Strings When the Keys Are Played (String Resonance)

When you play the keys on an acoustic piano, the strings that are already playing resonate as well. The function that reproduces this effect is called "String Resonance."

1 Press the [Function] (Exit) button, getting its indicator to light.

2 Press the [Song] (Select -) button or [⏮] (Select +) button to select "String Resonance" in the RESONANCE screen.

```
RESONANCE
String Resonance=  5
```

3 Press the [▶/■] (Value -) or [▶▶⏮] (Value +) button to change the value.

Value	Description
Off, 1–10	The resonance level decreases as the value is decreased, while increasing the value increases the amount of resonance. The String Resonance function is not active when the value is set to "Off."

4 Press the [Function] (Exit) button so the indicator goes out.

MEMO

You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

NOTE

This setting is effective only for some tones.

Refer to "Tone List" (p. 86).

Playing Sounds When the Keys Are Released (Key Off Resonance)

You can play the "key off" sound (the subtle sound produced when the keys are released) obtained when playing an acoustic piano.

1 Press the [Function] (Exit) button, getting its indicator to light.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to select "KeyOff Resonance" in the RESONANCE screen.

```
RESONANCE
KeyOff Resonance=  5
```

3 Press the [►/■] (Value -) or [►►ı] (Value +) button to change the value.

Value	Description
Off, 1–10	The volume of the Key Off sound decreases as the value is lowered, while raising the value increases the volume of the Key Off sound. The Key Off Resonance function is not active when the value is set to "Off."

4 Press the [Function] (Exit) button so the indicator goes out.

MEMO

You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

NOTE

This setting is effective only for some tones.
Refer to "Tone List" (p. 86).

Setting the Tuning Curve (Stretched Tuning)

Pianos are generally tuned so that the low range is flatter and the high range is sharper than equal tempered pitches. This method of tuning is unique to the piano, and is known as "stretched tuning."

A graph that shows the changes in pitch of actual tuning compared with the changes in equal temperament pitch is called a tuning curve.

Changing the tuning curve produces subtle variations in the reverberations of the chords you play.

1 **Press the [Function] (Exit) button, getting its indicator to light.**

2 **Press the [Song] (Select -) button or [◄◄] (Select +) button to display the TUNE screen.**

```
TUNE 440.0 Stretch=2
  Equal        Key=C
```

3 **Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Stretch" to flash.**

```
TUNE 440.0 Stretch=2
  Equal        Key=C
```

4 **Press the [►/■] (Value -) button or [►►|] (Value +) button to change the Stretch Tuning setting.**

Value	Description
1	This is the standard tuning curve. It is suitable when playing in an ensemble with other instruments.
2	This tuning curve expands the bass and treble ends somewhat. It is suitable for performances such as piano solos.

5 **Press the [Function] (Exit) button so the indicator goes out.**

MEMO
You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

NOTE
This setting is enabled only with the piano tones.
You cannot set this for other tones.

Changing the Tuning

You can play classical styles such as Baroque using historic temperaments (tuning methods).

Most modern songs are composed for and played in equal temperament, the most common tuning in use today. But at one time, there were a wide variety of other tuning systems in existence.

By playing in the temperament that was in use when a composition was created, you can experience the sonorities of chords originally intended for that song.

1 Press the [Function] (Exit) button, getting its indicator to light.

2 Press the [Song] (Select -) button or [|◄◄] (Select +) button to display the TUNE screen.

```
TUNE 440.0 Stretch=2
  Equal        Key=C
```

3 Press the [Song] (Select -) button or [|◄◄] (Select +) button to get the Temperament setting to flash.

```
TUNE 440.0 Stretch=2
  Equal        Key=C
```

4 Press the [►/■] (Value -) button or [►►|] (Value +) button to select the temperament.

Display	Qualities
Equal	This temperament divides the octave into 12 equal parts. All intervals will be slightly out of tune by the same amount.
Just Major	This temperament makes the 5th and 3rd intervals pure. It is unsuitable for playing melodies and modulation is not possible, but it produces beautifully harmonious chords.
Just Minor	Just intonation differs between major and minor keys. The same results as major can be obtained in a minor key.
Arabic	This tuning is suitable for the music of Arabia.
Kirnberger	This temperament is a modification of meantone temperament and just intonation, allowing more freedom of modulation. It allows you to play in all keys (third method).
Meantone	This temperament is a partial compromise of just intonation in order to allow modulation.
Pythagorean	This temperament is based on the theories of the Greek philosopher Pythagoras, and has pure fourths and fifths. Chords containing a third will sound impure, but melodies will sound good.

Display	Qualities
Werckmeister	This temperament is a combination of meantone and Pythagorean temperaments. It allows you to play in all keys. (First method, number three.)

When playing with tuning other than equal temperament, you need to specify the tonic note for tuning the song to be performed (that is, the note that corresponds to C for a major key or to A for a minor key).

5 Press the [Function] (Exit) button so the indicator goes out.

Setting the Tonic

When playing with tuning other than equal temperament, you need to specify the tonic note for tuning the song to be performed (that is, the note that corresponds to C for a major key or to A for a minor key).

If you choose an equal temperament, there's no need to select a tonic note.

1 Press the [Function] (Exit) button, getting its indicator to light.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the TUNE screen.

```
TUNE 440.0 Stretch=2
  Equal        Key=C
```

3 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Key" to flash.

```
TUNE 440.0 Stretch=2
  Equal        Key=C
```

4 Press the [►/■] (Value -) button or [►►I] (Value +) button to select the tonic.

Value
C, C#, D, Eb, E, F, F#, G, Ab, A, Bb, B

5 Press the [Function] (Exit) button so the indicator goes out.

MEMO
You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

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

Tune the RG-1 to the fundamental pitch of the other instruments.

Adjusting the Keyboard Touch (Key Touch)

You can adjust the touch (playing feel) of the keyboard.

1

Press the [Function] (Exit) button so the indicator is lit.

2

Press the [Song] (Select -) button or [⏮] (Select +) button to select "Touch" in the KEYBOARD screen.

```
KEYBOARD
              Touch= 50
```

3
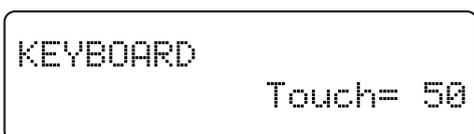
Press the [▶/■] (Value -) button or [⏭] (Value +) button to change the value.

Value	Description
Fix	The sound plays at a fixed volume, regardless of how forcefully the keys are played.
1–100	The keyboard touch gets lighter as the value decreases, with the touch becoming heavier as the value is increased.

4

Press the [Function] (Exit) button so the indicator goes out.

Fortissimo (ff) can be played with a lighter touch as the value is decreased, making it feel like the keyboard has a lighter touch. This setting makes it easy to play, even for children.

Increasing the value gives the instrument a heavier key touch. Fortissimo (ff) cannot be produced unless you play more strongly than usual, making the keyboard feel heavier. Dynamic fingering adds even more feeling to what you play.

A value of around 50 provides a standard setting, producing the most natural touch.

This is the closest to the touch of an acoustic piano.

MEMO

You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

MEMO

You can set the intensity of the sound when the setting is "Fix."
Refer to "Changing the Velocity When the Key Touch is Set to "Fix"" (p. 67)

Adding Liveliness to the Sound (Dynamics Sound Control)

You can add liveliness to the sound to give it superb clarity and distinctness.

1 Press the [Function] (Exit) button so the indicator is lit.

2 Press the [Song] (Select -) button or [⏮] (Select +) button to display the DYNAMICS screen.

```
DYNAMICS
                    Off
```
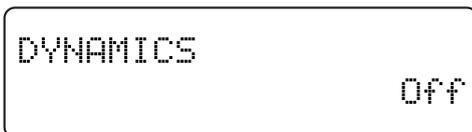
3 Press the [▶/■] (Value -) button or [⏭] (Value +) button to change the value.

Value	Description
Off	Dynamics sound control is turned off.
Sharp	Creates a sound with boosted bass and treble.
Clear	Produces a sound with chords in the low registers that are clear and distinct.
Power	Creates a sound with boosted bass.

4 Press the [Function] (Exit) button so the indicator goes out.

MEMO

You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

NOTE

For some sounds, this may cause distortion.

NOTE

Dynamics Sound Control does not affect the sound from the Input jack or the sound of external devices connected to the MIDI Out connector.

Adding Reverberation to the Sound (Reverb)

Apply a reverb effect to the notes you play with the RG-1.
Reverb makes it sound as if you are playing in a concert hall.

1 Press the [Function] (Exit) button so the indicator is lit.

2 Press the [Song] (Select -) button or [I◄◄] (Select +) button to select "Reverb" in the EFFECT screen.

```
EFFECT
            Reverb= 20
```

3 Press the [►/■] (Value -) button or [►►I] (Value +) button to change the amount of reverb applied.

Value	Description
0–127	Increasing the value results in a deeper reverb effect. No reverb is applied when the value is set to "0."

4 Press the [Function] (Exit) button so the indicator goes out.

MEMO

You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

Tuning to Other Instruments' Pitches (Master Tuning)

In situations such as when playing ensemble with other instruments, you can tune the RG-1's standard pitch to the pitch of another instrument.

The standard pitch generally refers to the pitch of the note that's played when you finger the middle A key.

This tuning of all the instruments to a standard pitch is called "tuning."

1 Press the [Function] (Exit) button, getting its indicator to light.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the TUNE screen.

```
TUNE 440.0 Stretch=2
  Equal        Key=C
```

3 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for the Master Tuning setting to flash.

```
TUNE (440.0) Stretch=2
  Equal        Key=C
```

4 Press the [►/■] (Value -) button or [►►|] (Value +) button to change the standard pitch.

Value	Description
415.3–440.0 – 466.2 (Hz)	This is set to "440.0" at the time of purchase.

5 Press the [Function] (Exit) button so the indicator goes out.

MEMO

You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

Playing Different Tones with the Left and Right Hands (Split Performance)

Dividing the keyboard into right-hand and left-hand areas, then playing different sounds in each is called "Split performance."

The boundary key is called the "split point."

The split point key is included in the left-hand keyboard area.

Split Point (Factory setting: F#3)

A0 B0 C1 D1 E1 F1 G1 A1 B1 C2 ...   C3   C4   C5   B7 C8

Left-hand Tone   **Right-hand Tone**
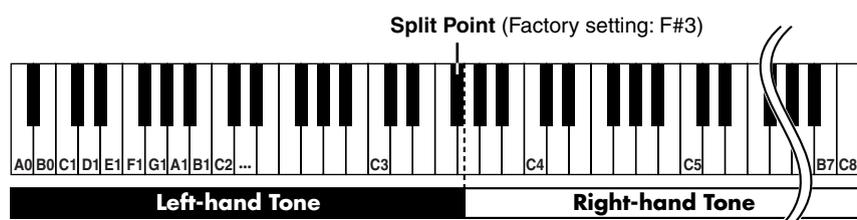
MEMO
You can change the split point; refer to "Changing the Keyboard's Split Point" (p. 39).

1 Select a tone (p. 21).

2 Press the [Function] (Exit) button, getting its indicator to light.

3 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the SPLIT screen.

```
SPLIT       Split=Off
       Split Point=F#3
```

4 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Split" to flash.

```
SPLIT       Split=Off
       Split Point=F#3
```

MEMO
You can switch Split function on and off by holding down one of the tone buttons and pressing the [Song] button.

The Tone screen appears as shown below when the Split function is on.

```
    Piano 1 - 1
A.Bs / Grand Piano1
```

Pressing a Tone button once more cancels the Split function.

5 Press the [►►] (Value +) button to select "On."

The keyboard is divided into right-hand and left-hand areas.

The tone played prior to Split performance is selected for the right hand, and a suitable tone to match that tone is selected for the left hand automatically.

6 To exit Split performance, press the [►/■] (Value -) button to set the "Split" setting to "Off."

For more about the tones with which this setting is enabled, refer to the "Tone List" (p. 86).

Changing the Keyboard's Split Point

You can change the location where the keyboard is divided (the split point), when the Split performance is on.

1 **Press the [Function] (Exit) button, getting its indicator to light.**

2 **Press the [Song] (Select -) button or [◄◄] (Select +) button to display the SPLIT screen.**

```
SPLIT      Split=Off
     Split Point=F#3
```

3 **Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Split Point" to flash.**

```
SPLIT      Split=On
     Split Point=F#3
```

4 **Press the [►/■] (Value -) or [►►I] (Value +) button to select the split point.**

Value
B1–B6

5 **Press the [Function] (Exit) button so the indicator goes out.**

Changing the Pitch of the Keyboard Sound (Key Transpose)

By using the "Transpose function," you can transpose your performance without changing the notes you play.

For example, even if the song is in a difficult key with numerous sharps (♯) or flats (♭), you can transpose it to a key that is easier for you to play.

When accompanying a vocalist, you can easily transpose the pitch to a range that is comfortable for the singer, while still playing the notes as written (i.e., with the same fingering positions).

1 Press the [Function] (Exit) button so the indicator is lit.

2 Press the [Song] (Select -) button or [I◄◄] (Select +) button to display the TRANSPOSE screen.

```
TRANSPOSE     Value= 0
  Mode=Keyboard&Song
```

3 Press the [Song] (Select -) button or [I◄◄] (Select +) button to get the value for "Value" to flash.

```
TRANSPOSE     Value= 0
  Mode=Keyboard&Song
```

4 Press the [►/■] (Value -) button or [►►I] (Value +) button to select the transposition value.

The keyboard is transposed by a semitone each time you press the [►/■] (Value -) button or [►►I] (Value +) button.

Pressing the [►/■] (Value -) and [►►I] (Value +) buttons simultaneously returns the setting to the original value (0).

Value	Description
-6–0–+5	semitone steps. The Key Transpose function is not active when the value is set to "0."

* *The key transpose setting returns "0" when you switch to a different song.*

5 Press the [Function] (Exit) button so the indicator goes out.

MEMO

- On the RG-1, you can transpose the pitch of just the keyboard, or the pitch of the keyboard and song together, or the pitch of just the song (Transpose Mode; p. 69).

- When the RG-1 is shipped from the factory, it is set so that the pitch of the keyboard and song will be transposed together ("Changing the Key of the Song Being Played (Playback Transpose)" (p. 55)).

NOTE

If you set Transpose Mode (p. 69) to "Song," the Key Transpose function will not be applied.

Example:
Playing a song in E major while playing the keys for C major

In this example, C is the root note in the key of C major.

E, the root of E major, is the third in C major.

It is up four keys, including the black keys, so touch, then enter "4" for the setting.
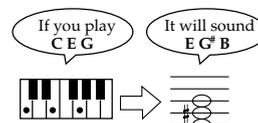
Performing with the Metronome

You can perform while the metronome sounds.

You can also change the volume level and the beat of the metronome.

If a song is playing, the metronome will sound at the tempo and time signature of that song.

1 Press the [Function] (Exit) button so the indicator is lit.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the METRONOME screen.

```
METRONOME        Off
♩=108  4/4 Volume= 5
```

3 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "METRONOME" to flash.

```
METRONOME        Off
♩=108  4/4 Volume= 5
```

4 Press the [►►I] (Value +) button to switch the METRONOME setting to "On."

The metronome sound starts.

Setting this to "Off" stops the metronome.

Stopping the Metronome

After starting the metronome sound, you can stop the metronome by pressing the [Enter] button in any screen other than the Function screen.

Changing the Tempo

1 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for tempo to flash.

```
METRONOME        Off
♩=108  4/4 Volume=10
```

2

Press the [►/■] (Value -) button or [►►I] (Value +) button to adjust the tempo.

Value	Description
♩=10–500	The note symbol for the tempo indication changes according to the setting for the beat. The range for the setting's value also changes according to the setting for the beat.

Changing the Beat

1

Press the [Song] (Select -) button or [I◄◄] (Select +) button to get the value for beat to flash.

```
METRONOME        Off
♩=108  4/4 Volume= 5
```

2

Press the [►/■] (Value -) button or [►►I] (Value +) button to select the beat.

Value	Description
2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8	With the "0/4" setting, only weak beats will be sounded.

Changing the Volume

The volume of the metronome can be adjusted, with 11 volume levels available.

1

Press the [Song] (Select -) button or [I◄◄] (Select +) button to get the value for "Volume" to flash.

```
METRONOME        Off
♩=108  4/4 Volume= 5
```

2

Press the [►/■] (Value -) button or [►►I] (Value +) button to adjust the volume.

Value	Description
0–10	When the metronome volume is set to "0," the metronome sound does not play.

MEMO

When you play back a song, the metronome's beat will be set to the beat of that song.

NOTE

You can't change the metronome's beat while a song is playing.

Playing Back Songs

Listening to Songs

The RG-1 features a variety of internal songs. The internal songs are categorized into "Jazz" and "Classical" genres.
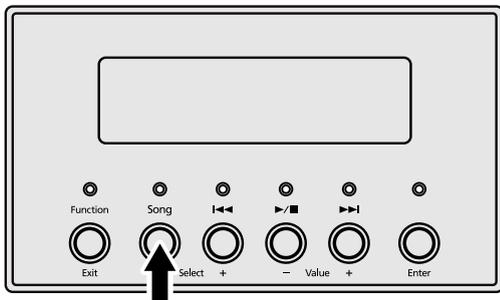
Try giving these songs a listen.

You can also play back the following kinds of songs (data).

- **SMF music files**
  (when a USB memory, CD drive, or floppy disk drive is connected)
- **Audio Files** (when a USB memory or CD drive is connected)
- **Audio CDs** (when a CD drive is connected)

[Song] Button Functions

Each press of the [Song] button selects the next available song genre.

- ● **Jazz**

- ● **Classical**

- ● **Favorites**

  This appears when songs are contained in the "Favorites."

- ● **CD**

  This appears when you have a CD drive connected and a CD is in the drive.

- ● **Floppy Disk**

  This appears when you have a floppy disk drive connected and a floppy disk is in the drive.

- ● **Ext Memory**

  This appears when you have a USB memory connected.

What are the "Favorites?"

This is the area of memory where you can save copies of performances recorded with the RG-1, songs saved on CD-ROMs, songs stored in the USB memory. After copying songs to the "Favorites," you can then select the copied songs simply by pressing the [Song] button and selecting "Favorites" as the song genre.
The RG-1 features a User Memory (the RG-3's memory) area where the content registered in the "Favorites" is stored.

To delete the content of the User Memory and restore the memory to the default factory settings, refer to "Initializing the User Memory, USB Memory, and Floppy Disks" (p. 76).
You can select and listen to tone demos (p. 44) from the "Favorites" after initializing the User memory.
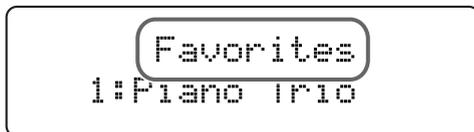You can also delete these tone demos and overwrite them with other songs, which can then be saved.

Listening to the Tone Demos

The factory settings have tone demos registered in the "Favorites" (p. 43).

1 **Press the [Song] button one or more times to select "Favorites" as the genre.**

```
    ┌─────────────┐
    │  Favorites  │
    1:Piano Trio
    └─────────────┘
```

2 **Press the [►/■] button to start playback of the tone demos.**

You can select the tone demo to play back by pressing the [◄◄] or [►►|] button.

**3** **Press the [►/■] button once more to stop playback of the tone demos.**

You can delete tone demos in the "Favorites" and overwrite them by saving other songs in their place. If you want to play back tone demos after they have been deleted, initialize the User Memory to restore the factory settings (p. 76).

Listening to the Internal Songs

1 **Press the [Song] button one or more times to select the genre you want.**

The internal song genres are "Jazz" and "Classical."

```
    ┌─────────────────┐
    │      Jazz       │
    1:Windy Afternoon
    └─────────────────┘
```
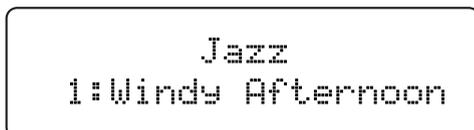
2 **Press the [►/■] button to start playback of the internal songs.**

Songs in the selected genre are played back.

When the RG-1 is set to play back all songs (p. 70), once the song currently being played back is finished, the next song starts playing automatically. After all of the songs in the genre have been played, playback automatically resumes from the first song in the genre. When the RG-1 is set to play back a single song (p. 70), playback stops automatically when the song is finished.

• Press the [►►|] button to move to the beginning of the next song.

• Press the [|◄◄] button to move to the beginning of the currently selected song. If you're already at the beginning of the song, you will move to the beginning of the preceding song.

• If you hold down the [►►|] button while a song is playing, the song will fast-forward.

• If you hold down the [|◄◄] button while a song is playing, the song will rewind.

3 **Press the [►/■] button once more to stop playback of the internal songs.**

NOTE
Songs saved to the "Favorites" are deleted when the User Memory is initialized.

Save any songs you want to retain by copying them to USB memory or Floppy disk (p. 64).

NOTE
If any previously recorded song data is present, the message "Delete User Song OK?" appears in the display.

If you want to delete the existing song data, press the [Enter] button.

If you do not want the song data to be deleted, press the [Function] (Exit) button, and save the song to the "Favorites," USB memory, or Floppy disk (p. 64).

Listening to Songs on CDs

You can play back audio CDs and CD-ROMs containing saved SMF music files.

* *You can also play songs on VIMA CD-ROMs (VIMA TUNES) sold by Roland.*
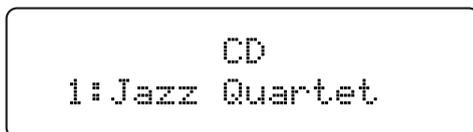
Playing Back a Song

1 **Place the CD you want to play in the CD drive.**

* *Reading of data from the CD starts when the CD is inserted in the drive. It may take a few moments to complete reading of the data.*

2 **Press the [Song] button one or more times to select "CD" as the genre.**

The following screen appears.

```
        CD
1:Jazz Quartet
```

When Selecting Songs in a Folder

1. **Press the [◄◄] button or [►►I] button to select a folder.**

2. **Press the [►/■] button.**
   The first song in the folder is displayed.

3. **Press the [◄◄] button or [►►I] button to select a song.**
   * *Depending on the number of songs contained in a folder, this may take some time.*

To exit a folder:

1. **Press the [◄◄] button one or more times until "↑Up" appears in the screen.**

2. **Press the [►/■] button.**

MEMO

What is VIMA?

Presented by Roland, VIMA represents an entirely new concept in keyboards.

It lets you connect LCD televisions, video cameras, portable audio players, and other devices, enabling you to enjoy music and video whether or not you have experience in performing music.

NOTE

If any previously recorded song data is present, the message "Delete User Song OK?" appears in the display.

If you want to delete the existing song data, press the [Enter] button.

If you do not want the song data to be deleted, press the [Function] (Exit) button, and save the song to the "Favorites," USB memory, or Floppy disk (p. 64).

NOTE

• If a single folder contains 500 or more files and folders, some files or folders may not be displayed.

• Files that have names starting with "**.**" (dot) are not displayed.

3 **Press the [▶/■] button.**

The songs on the CD are played.

When the RG-1 is set to play back all songs (p. 70), once the song currently being played back is finished, the next song starts playing automatically. After all of the songs on the CD have been played, playback automatically resumes from the beginning of the CD.

When the RG-1 is set to play back a single song (p. 70), playback stops automatically when the song is finished.

- Press the [▶▶▎] button to move to the beginning of the next song.
- Press the [▎◀◀] button to move to the beginning of the currently selected song. If you're already at the beginning of the song, you will move to the beginning of the preceding song.
- If you hold down the [▶▶▎] button while a song is playing, the song will fast-forward.
- If you hold down the [▎◀◀] button while a song is playing, the song will rewind.

4 **Press the [▶/■] button once more to stop playback of the songs.**

Turning Off the Power (When a CD Drive Is Connected)

1 **Stop playback if the CD is being played back.**

2 **Eject the CD.**

3 **Lower the piano's volume all the way, then switch off its power (p. 16).**

4 **Turn off the power to the CD drive.**

NOTE

If you are unable to eject the CD, try the following procedure.
If after these steps you are still unable to get the CD to eject, read the CD drive owner's manual.

1. Turn off the power to all connected devices.

2. Turn on the RG-1.

3. Turn on the CD drive.

4. Wait a few moments after the power is switched on, then firmly press the eject button.

NOTE

Before detaching the cable for the CD drive, make sure that the power for all equipment has been switched off.

Listening to Songs on USB Memory and Floppy Disks

You can connect a USB memory or floppy disk drive and listen to songs saved on USB memory and floppy disks.

Floppy Disk

1 Insert the floppy disk containing the songs you want to play to the floppy disk drive.

2 Press the [Song] button one or more times to select "Floppy Disk" as the genre.

The following screen appears.

```
┌─────────────────┐
│ Floppy Disk     │
│ 1:Ave Maria     │
└─────────────────┘
```
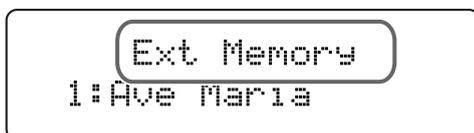
USB Memory

1 Connect the USB memory containing the songs you want to play to the External memory connector.

2 Press the [Song] button one or more times to select "Ext Memory" as the genre.

The following screen appears.

```
┌─────────────────┐
│ Ext Memory      │
│ 1:Ave Maria     │
└─────────────────┘
```

3 Press the [►/■] button.

The song is played back. When the RG-1 is set to play back all songs (p. 70), once the song currently being played back is finished, the next song starts playing automatically.

After all of the songs on the USB memory or floppy disk have been played, playback automatically resumes from the beginning of the USB memory or floppy disk.

When the RG-1 is set to play back a single song (p. 70), playback stops automatically when the song is finished.

• Press the [►►I] button to move to the beginning of the next song.

• Press the [I◄◄] button to move to the beginning of the currently selected song. If you're already at the beginning of the song, you will move to the beginning of the preceding song.

• If you hold down the [►►I] button while a song is playing, the song will fast-forward.

• If you hold down the [I◄◄] button while a song is playing, the song will rewind.

4 Press the [►/■] button once more to stop playback of the songs.

NOTE

Use only USB memory and floppy disk drives sold by Roland. Operation cannot be guaranteed when products other than these are used.

Proper operation cannot be guaranteed if other external memory products are used.

NOTE

If any previously recorded song data is present, the message "Delete User Song OK?" appears in the display.

If you want to delete the existing song data, press the [Enter] button.

If you do not want the song data to be deleted, press the [Function] (Exit) button, and save the song to the "Favorites," USB Memory, or Floppy disk (p. 64).

Playing Back Individual Parts (Track Mute)

When playing back internal songs or SMF music files saved on external memory, you can select the performance parts that will play.

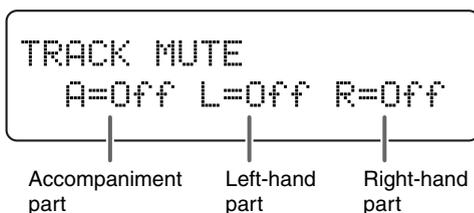You can also practice each hand separately while playing along with the song.

1 **Select a song to play back (p. 44, p. 45, p. 47).**
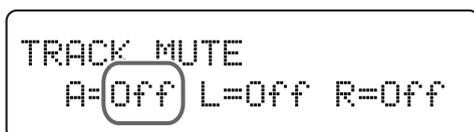
2 **Press the [►/■] button to play the song.**

3 **Press the [Function] (Exit) button so the indicator is lit.**

4 **Press the [Song] (Select -) button or [◄◄] (Select +) button to display the TRACK MUTE screen.**

```
TRACK MUTE
  A=Off L=Off R=Off
```

Accompaniment part   Left-hand part   Right-hand part

5 **Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for each part to flash.**

```
TRACK MUTE
  A=Off L=Off R=Off
```

6 **Press the [►/■] (Value -) or [►►I] (Value +) button to switch the mute on or off.**

Temporarily silencing the sound of a specific part is called "track mute."

Value	Description
On	The sound is not played.
	* *When the setting for Melody Guide (p. 49) has been made, the sound is played at the set volume level.*
Off	The sound is played.
- - -	No data.

* Mute settings will be cleared when you switch to a different song.

7 **Press the [Function] (Exit) button so the indicator goes out.**

NOTE

This setting cannot be used with audio files.

MEMO

• For example, if you want to practice the right-hand part, set to R=On.

• With accompaniment parts, you can change the muted part. For more information, refer to p. 75.

48

Determining the Volume of a Muted Part (Melody Guide)

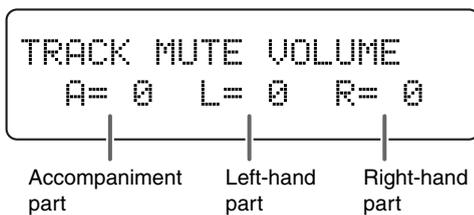Here's how to adjust the volume that a part to mute the playback while playing back a song.

The RG-1 lets you play back a specific part at a reduced volume so you can use that part as a "guide" for your own playing.

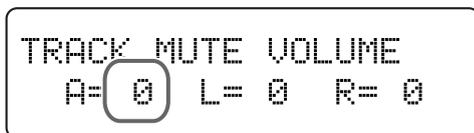**1** Press the [Function] (Exit) button so the indicator is lit.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the TRACK MUTE VOLUME screen.

```
TRACK MUTE VOLUME
  A= 0   L= 0   R= 0
```

Accompaniment part | Left-hand part | Right-hand part

3 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for each part to flash.

```
TRACK MUTE VOLUME
  A= 0   L= 0   R= 0
```

4 Press the [►/■] (Value -) or [►►|] (Value +) button to set the volume for each part.

Value
0–80

5 Press the [Function] (Exit) button so the indicator goes out.

NOTE
When you turn off the power, the track mute volume will be reset to "0."

Changing the Song Playback Volume

Adjusting the Volume of the Music CDs and Audio Files

Use this procedure to adjust the volume level of the audio CD or audio files when playing back them.

1 Press the [Function] (Exit) button so the indicator is lit.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the CD/AUDIO screen.

```
CD/AUDIO    Level= 64
     Center Cancel=Off
```

3 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Level" to flash.

```
CD/AUDIO    Level= 64
     Center Cancel=Off
```

4 Press the [►/■] (Value -) or [►►I] (Value +) button to adjust the playback volume of the audio CD or audio file.

Value	Description
0–127	Raising the value increases the volume level.

5 Press the [Function] (Exit) button so the indicator goes out.

MEMO

You can save this setting in the RG-1's memory using the Memory Backup function (p. 71).

Minimizing the Center Sounds in the Playback (Center Cancel)

When playing back a commercially available CD or audio file, you can minimize the sounds that are located in the center (such as vocals).

1 Press the [Function] (Exit) button so the indicator is lit.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the CD/AUDIO screen.

```
CD/AUDIO   Level= 64
    Center Cancel=Off
```

3 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Center Cancel" to flash.

```
CD/AUDIO   Level= 64
    Center Cancel=Off
```

4 Press the [►/■] (Value -) or [►►I] (Value +) button to switch Center Cancel on or off.

Value	Description
On	The sounds of the melody and vocals are minimized.
Off	Center Cancel is disabled.

* *Center Cancel is cancelled (switched off) when you switch to a different song.*

5 Press the [Function] (Exit) button so the indicator goes out.

6 Press the [►/■] button to stop the song.

NOTE
You may find that using Center Cancel reduces the tone quality of some songs.

NOTE
Depending on the song, the applied effect may be difficult to discern.

Changing the Volume Balance of the Accompaniment and the Keyboard

You can also change the balance in the volume of songs or accompaniment and the volume of the keyboard as you play.

1 Press the [Function] (Exit) button so the indicator is lit.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the BALANCE screen.

```
BALANCE Key:Acmp=5:5
            Layer=7:3
```

3 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Key:Acmp" (Keyboard:Accompaniment) to flash.

```
BALANCE Key:Acmp=5:5
            Layer=7:3
```

4 Press the [►/■] (Value -) button or [►►I] (Value +) button to adjust the keyboard and the accompaniment volume balance.

Value	Description
1: 9–9: 1	The volume increases as the value is raised. The numeral on the left indicates the keyboard volume, and the numeral on the right indicates the accompaniment volume.

5 Press the [Function] (Exit) button so the indicator goes out.

NOTE

You cannot change the volume for audio CDs and audio files.

Changing the Song Tempo

This changes the song tempo. Changing the tempo has no effect on the pitch of the notes.

And you can change the tempo even when the song is in progress.

2 Press the [▶/■] button to play the song.

3 Press the [Function] (Exit) button so the indicator is lit.

4 Press the [Song] (Select -) button or [I◀◀] (Select +) button to display the METRONOME screen.

```
METRONOME         Off
♩=108  4/4 Volume= 5
```

5 Press the [Song] (Select -) button or [I◀◀] (Select +) button to get the value for tempo to flash.

```
METRONOME         Off
♩=(108)  4/4 Volume= 5
```

6 Press the [▶/■] (Value -) or [▶▶I] (Value +) button to adjust the tempo.

Pressing the [▶/■] (Value -) button and the [▶▶I] (Value +) button at the same time restores the original tempo.

Value
10–500

NOTE
You cannot change the tempos for audio CDs and audio files.

Adding a Count to Assist Your Timing
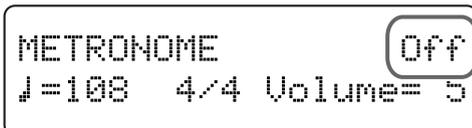
A "count-in" is a count that is sounded before the song begins to play.

If you're playing along with a song, you can sound a count to make it easier to synchronize your own playing with the song.

1   **Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "METRONOME" to flash.**

```
METRONOME        Off
♩=108  4/4 Volume= 5
```

2   **Press the [►/■] (Value -) button or [►►I] (Value +) button to switch the METRONOME setting to "On."**

The metronome sound starts.

3   **Press the [►/■] button.**

A two-measure count sounds before the song plays.

NOTE

Adding a count-in to a song from an audio CD or audio file is not possible.

Changing the Key of the Song Being Played (Playback Transpose)

You can play back SMF music files and your own recorded performances with the notes transposed.

You can also transpose the playback of songs on audio CDs and audio files.

1 Select a song to play back (p. 44, p. 45, p. 47).

2 Press the [Function] (Exit) button so the indicator is lit.

3 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the TRANSPOSE screen.

```
TRANSPOSE    Value= 0
   Mode=Keyboard&Song
```

4 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Mode" to flash.

```
TRANSPOSE    Value= 0
   Mode=Keyboard&Song
```

5 Press the [►/■] (Value -) button or [►►I] (Value +) button to switch the Mode setting to "Song."

6 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Value" to flash.

```
TRANSPOSE    Value= 0
   Mode=       Song
```

7

Press the [▶/■] (Value -) button or [▶▶⊢] (Value +) button to change the key of the song.

Each time you press the [▶/■] (Value -) button or [▶▶⊢] (Value +) button, the song is transposed by one semitone.

Pressing the [▶/■] (Value -) and [▶▶⊢] (Value +) buttons simultaneously restores the original value (0).

Value	Description
-6–0–+5	semitone steps.

* *Playback Transpose is cancelled (switched off) when you switch to a different song.*

8

Press the [Function] (Exit) button so the indicator goes out.

Copying Songs

You can copy songs contained in a USB memory connected to the RG-1's External memory connector, songs on CD-ROMs, and songs saved to floppy disks to the "Favorites."

By copying songs to the "Favorites," you'll then be able to select the copied songs easily by selecting the "Favorites" genre from the Song Select screen.

Copying Songs Stored on USB Memory, CD-ROMs, and Floppy Disks to the "Favorites"

1 **Prepare the CD-ROM, USB memory, or floppy disk containing the song or songs you want to copy.**

- Connect the USB memory to the External memory connector.

- Insert the CD-ROM in the CD drive or the floppy disk in the floppy disk drive.

2 **Press the [Function] (Exit) button so the indicator is lit.**

3 **Press the [Song] (Select -) button or [I◀◀] (Select +) button to display the FILE screen.**

```
FILE
SAVE| COPY| DEL| FORMAT
```

4 **Press the [Song] (Select -) button or [I◀◀] (Select +) button so "COPY" is flashing.**

```
FILE
SAVE|(COPY) DEL| FORMAT
```

5 **Press the [Enter] button.**

6 **Press the [Song] (Select -) button or [I◀◀] (Select +) button so that the "From" setting is flashing.**

```
COPY (From=Ext Memory
   1:Love me Tender
```

7 Press the [▶/■] (Value -) button or [▶▶I] (Value +) button to change the "From" setting.

Value	Description
Jazz	Internal songs in the "Jazz" genre are copied to the "Favorites."
Classical	Internal songs in the "Classical" genre are copied to the "Favorites."
Favorites	Songs in the "Favorites" are copied to the USB memory or the Floppy disk.
CD	Songs in the CD-ROM are copied to the "Favorites."
Floppy Disk	Songs in the Floppy disk are copied to the "Favorites."
Ext Memory	Songs in the USB memory are copied to the "Favorites."

8 Press the [Song] (Select -) button or [I◀◀] (Select +) button so that the "COPY From" song number is flashing.

```
COPY From=Ext. Memory
   1:Love me Tender
```

9 Press the [▶/■] (Value -) button or [▶▶I] (Value +) button to select the number of the song you want to copy.

10 Press the [Enter] button.

11 Press the [Song] (Select -) button or [I◀◀] (Select +) button so that the "copy-destination number" is flashing.

```
COPY To=Favorites
   4:(Empty)
```

12 Press the [▶/■] (Value -) button or [▶▶I] (Value +) button to select the copy-destination number.

13 Press the [Enter] button.

A confirmation message appears in the screen.

```
COPY   Are you sure?
   4:(Empty)
```

To return to the original screen without copying the song, press the [Function] (Exit) button.

NOTE

When copying performances saved to USB memory, do not remove the USB memory until copying is finished.

14 **Press the [Enter] button once more.**

The song is copied.

15 **Press the [Function] (Exit) button so the indicator goes out.**

When there is no song assigned to a number, this is indicated in the display in the following form: "4: (Empty)."

```
COPY To=Favorites
   4:(Empty)
```

If you select a number to which a song is already saved and then attempt to copy to that number, the following message appears in the display.

```
COPY Overwrite sure?
   3:Yellow Submarine
```

To delete the saved song and copy the new song to that number, press the [Enter] button.

If you do not want to delete the saved song, press the [Function] (Exit) button.

Deleting Songs Saved to the "Favorites," USB Memory, and Floppy Disks

Use this procedure to delete songs saved to the "Favorites," USB memory, and floppy disks.

1   **Prepare the USB memory or floppy disk containing the song or songs you want to delete.**

- Connect the USB memory to the External memory connector.

- Insert the floppy disk in the floppy disk drive.

2   **Press the [Function] (Exit) button so the indicator is lit.**

3   **Press the [Song] (Select -) button or [◄◄] (Select +) button to display the FILE screen.**

```
FILE
SAVE|COPY|DEL|FORMAT
```

4   **Press the [Song] (Select -) button or [◄◄] (Select +) button so "DEL" (Delete) is flashing.**

```
FILE
SAVE|COPY|(DEL) FORMAT
```

5   **Press the [Enter] button.**

The following screen appears.

```
DELETE     Favorites
   1:Love me Tender
```

6   **Press the [Song] (Select -) button or [◄◄] (Select +) button so that the "location where the song to delete is stored" setting is flashing.**

```
DELETE    (Favorites
   1:Love me Tender
```
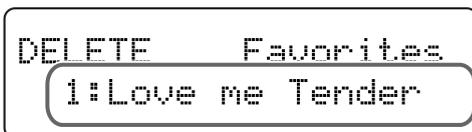
7 Press the [►/■] (Value -) button or [►►I] (Value +) button to select the location where the song to delete is stored.

| Value	Description
Favorites	Deletes the songs in the "Favorites."
Floppy Disk	Deletes the songs in the Floppy disk.
Ext Memory	Deletes the songs in the USB memory.

8 Press the [Song] (Select -) button or [I◄◄] (Select +) button to get the "song number" to flash.

```
DELETE    Favorites
  1:Love me Tender
```

9 Press the [►/■] (Value -) button or [►►I] (Value +) button to select the song number to be deleted.

10 Press the [Enter] button.

A confirmation message appears in the screen.

```
DELETE    Favorites
   Are you sure?
```
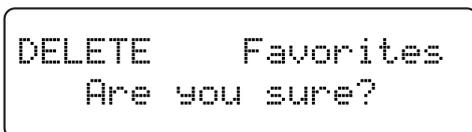
To return to the original screen without deleting the song, press the [Function] (Exit) button.

11 Press the [Enter] button once more.

The song is deleted.

12 Press the [Function] (Exit) button so the indicator goes out.

NOTE

When deleting performances saved to USB memory, do not remove the USB memory until deleting is finished.

Recording the Performance

Notes Regarding Recording

You can store your recorded performances to the "Favorites" (p. 43). If not
first saved to the "Favorites," recorded performances are erased when the
RG-1's power is turned off.

If you want to retain such performances, be sure to save them to the
"Favorites."

In addition, you can save performance data to USB memory and floppy
disks (p. 64).

Recording Performances

1   Select the tone you want to perform with (p. 21).

2   Press the [Function] (Exit) button, getting its indicator to light.

3   If necessary, play the metronome sound (p. 41).

4   Press the [Song] (Select -) button or [◄◄] (Select +) button to
display the RECORD screen.

```
RECORD
            Press Enter
```

5   Press the [Enter] button.

The following screen appears, and the RG-1 goes into recording standby.

```
RECORD   ♩=108   4/4
Press Enter to start
```

6   Press the [Song] (Select -) button or [◄◄] (Select +) button to get
the value of the setting for the tempo or beat to flash.

7   Press the [►/■] (Value -) button or [►►I] (Value +) button to set
the tempo or beat to use during recording.

If the metronome is playing, the metronome's tempo and beat change to the
tempo and beat you set in this screen.

Start Recording

8 **Press the [ENTER] button or play the keyboard to start recording.**

When you press the [Enter] button, a two-bar count is sounded, and then recording starts.

When you start recording by fingering the keyboard, no count-in is sounded.

Recording starts, and the following screen appears.

The text "Recording..." flashes while recording is in progress.

```
RECORD  Recording...
Press Enter to stop.
```

Stopping Recording

9 **Press the [Enter] button.**

Recording stops.

The following screen appears.

```
        User Song
```

Play Back the Recorded Performance

1 **Press the [►/■] button.**

You will hear the recorded performance.

Once again press the [►/■] button, and playback will stop.

If you see the following...

If you attempt to select a song when another performance has already been recorded, the following appears in the display.

```
Delete User Song OK?
 No:Exit  Yes:Enter
```

If it is OK to erase the performance, press the [Enter] button.

If you do not want to erase the performance, press the [Function] (Exit) button and carry out the operation in "Saving Recorded Performances" (p. 64).

MEMO

You can save your recorded performances to the RG-1 itself (p. 64).

Saving Recorded Performances

You can save recorded performances to the RG-1's "Favorites" and to USB memory and floppy disks.

If not first saved to the "Favorites," USB memory, or floppy disks, recorded performances are erased when the RG-1's power is turned off.

If you want to retain such performances, be sure to save them to the "Favorites" or to a USB memory or floppy disk.

1 Press the [Function] (Exit) button, getting its indicator to light.

2 Press the [Song] (Select -) button or [◄◄] (Select +) button to display the FILE screen.

```
FILE
SAVE| COPY| DEL| FORMAT
```

3 Press the [Song] (Select -) button or [◄◄] (Select +) button so "SAVE" is flashing.

```
FILE
SAVE  COPY| DEL| FORMAT
```

4 Press the [Enter] button.

5 Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Dest" (Save Destination) to flash.

```
SAVE   Dest=Favorites
    4:(Empty)
```

6 Press the [►/■] (Value -) button or [►►|] (Value +) button to change the "Dest" (Save Destination) setting.

Display	Description
Favorites	The performance data is saved to the "Favorites."
Floppy Disk	The performance data is saved to the Floppy disk.
Ext Memory	The performance data is saved to the USB memory.

MEMO

You can copy performances saved in the "Favorites" to USB memory and floppy disks.

You can also copy performances saved on USB memory and floppy disks to the "Favorites" (p. 57).

NOTE

Use USB memory available from Roland.

Proper operation cannot be guaranteed if other external memory products are used.

7 **Press the [Enter] button.**

Save-destination number will flash.

```
SAVE  Dest=Favorites
   4:(Empty)
```

8 **Press the [►/■] (Value -) button or [►►I] (Value +) button to select the "save-destination number."**

When a performance has already been saved to a number, the name of the performance is indicated.

When a number has no performance assigned to it, this is indicated in the display in the following form: "4: (Empty)."

9 **Press the [Enter] button.**

The performance is saved.

10 **Press the [Function] (Exit) button so the indicator goes out.**

When a number has no song assigned to it, this is indicated in the display in the following form: "4: (Empty)."

```
SAVE  Dest=Favorites
  4:(Empty)
```

The following appears in the screen if you attempt to save a song to a number to which a song has already been saved.
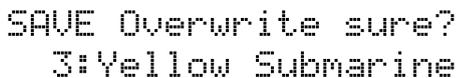
```
SAVE Overwrite sure?
  3:Yellow Submarine
```

To delete the saved song and replace it by saving the current song, press the [Enter] button.

If you do not want to delete the saved song, press the [Function] (Exit) button to cancel saving.

Deleting Performances Saved to the "Favorites" or USB Memory

To delete performances saved to the "Favorites" or USB memory, refer to p. 60.

NOTE

When saving performances to the USB memory, do not remove the USB memory from the External memory connector until the save is completed.

Changing Various Settings

Preventing Changes to the Current Settings (Panel Lock)

When "Panel Lock" is activated, all buttons will no longer function.

Thus, even if you press a button by mistake, the settings remain unchanged.

Making the Setting

1. **Set the desired tones and other settings.**

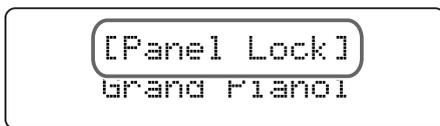**2.** **Hold down the [Function] (Exit) button and press the [Enter] button.**

This activates Panel Lock.

* *Pressing buttons during playback or recording of a song stops the playback or recording.*

You can perform by playing the keys.

You can adjust the volume with the [Volume] knob and adjust the tone of the sounds with the [Brilliance] knob.

The following screen appears when Panel Lock is in force.

```
[Panel Lock]
Grand Piano1
```

Cancelling the Setting

1. **To cancel Panel Lock, hold down the [Function] (Exit) button again and press the [Enter] button.**

Preventing Song Playback (Playback Lock)

When the "Playback Lock" setting has been activated, song playback won't take place even if you press the [▶/■] (Value -) button.

This lets you prevent the playback of an unwanted song by accidentally pressing the button during a performance using the keyboard.

Making the Setting

1. **Hold down the [Function] (Exit) button and press the [▶/■] (Value -) button.**

This activates Playback Lock.

* *Pressing buttons during playback or recording of a song stops the playback or recording.*

When Playback Lock has been activated, a screen like the one shown below is displayed when you press the [▶/■] (Value -) button.

```
[Playback Lock]
```

Cancelling the Setting

1. **To cancel Playback Lock, hold down the [Function] (Exit) button again and press the [▶/■] (Value -) button.**

Making Detailed Settings

You can make a wide variety of settings that make the instrument even easier to use.

The screen in which the settings are changed is called the "Function screen."

You can make the settings described below.

Setting	Page
Changing the Velocity When the Key Touch is Set to "Fix"	p. 67
Adjusting the Sound to Achieve the Preferred Tone Quality (Equalizer)	p. 68
Specifying What the Transpose will Affect (Transpose Mode)	p. 69
Assigning Functions to Pedals	p. 69
Changing the Song Playback Method (Play Mode)	p. 70
Changing the Parts Assigned to the Track During SMF Playback (Track Assign)	p. 71
Remembering the Settings Even When the Power is Turned Off (Memory Backup)	p. 71
Using the V-LINK Function	p. 72
MIDI Transmit Channel Settings	p. 72
Preventing Doubled Notes When Connected to a Sequencer (Local Control)	p. 73
Sending Recorded Performance Data to a MIDI Device (Composer MIDI Out)	p. 74
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Changing the Communication Settings for USB Memory (External Memory Mode)	p. 75
Switching the Muted Part (Accompaniment Track Assign)	p. 75
Switching VIMA CD-ROM Recommended Tones	p. 76
Initializing the User Memory, USB Memory, and Floppy Disks	p. 76
Restoring the Factory Settings (Factory Reset)	p. 77

Changing the Velocity When the Key Touch is Set to "Fix"

If you turn the keyboard's touch sensitivity (Key Touch:p. 34) "Fix," all notes will sound at a fixed loudness regardless of how strongly you play the keyboard. The setting described below specifies the loudness in this case.

* *The setting screen is displayed only when Key Touch is set to "Fix."*

→ *You can use the Memory Backup function to store these settings to the RG-1 (p. 71).*

1. Press the [Function] (Exit) button, getting its indicator to light.

2. Press the [Song] (Select -) button or [|◄◄] (Select +) button to select "Fixed Velocity" in the KEYBOARD screen.

```
KEYBOARD
   Fixed Velocity=100
```

3. Press the [►/■] (Value -) button or [►►|] (Value +) button to set the loudness of the sound.

Value
0–127

4. Press the [Function] (Exit) button so the indicator goes out.

Adjusting the Sound to Achieve the Preferred Tone Quality (Equalizer)

The RG-1 features a built-in, four-band digital equalizer.

You can also save up to four sets of equalization settings, each one containing the settings you've chosen for achieving a desired tonal quality.

An equalizer boosts or cuts specific sound pitches (frequency ranges) to adjust the sound balance.

For example, you can boost the highs to get a crisper sound, or boost the low end for a more powerful sound.

You can also adjust the sound to compensate for the acoustical characteristics of the performance space.

If raising the values for separate frequencies causes the sound to distort, you can use the "Master Gain" (see below) to control such distortion.

→ *You can use the Memory Backup function to store these settings to the RG-1 (p. 71).*

1. Press the [Function] (Exit) button, getting its indicator to light.

2. Press the [Song] (Select -) button or [◄◄] (Select +) button to display the EQUALIZER screen.

```
EQUALIZER

                Off
```

3. Press the [►/■] (Value -) button or [►►I] (Value +) button to select the equalizer set number.

When a value other than "Off" is selected, the indicator for the [Enter] button flashes.

```
EQUALIZER       Set1
Press Enter to Edit.
```

Value
Off, Set1–Set4

4. Press the [Enter] button.

The setting screen for the equalizer appears.

```
EQ Low    Gain=-12dB
          Freq=  100Hz
```

5. Press the [Song] (Select -) button or [◄◄] (Select +) button so the value of the parameter you want to change is flashing.

6. Press the [►/■] (Value -) button or [►►I] (Value +) button to change the value.

7. Press the [Function] (Exit) button several times so the indicator goes out.

Parameter	Value	Description
Low Gain	-12–+12 dB	Adjusts the level of the low-frequency range.
Low Freq	100–1.0 k (Hz)	Frequency point in the low-frequency range. Generally, this changes the level at and below this frequency.
Lo Mid Gain	-12–+12 dB	Adjusts the level of the low-frequency range to midrange.
Lo Mid Freq	16 –16.0 k (Hz)	Frequency point in the low-frequency range to midrange. This changes the level of the specified bandwidth centered on this frequency.
Lo Mid Q	0.5, 1.0, 2.0, 4.0, 8.0	Changes the bandwidth of the low-frequency range to midrange. The bandwidth affected by the controls narrows as the value increases.
Hi Mid Gain	-12–+12 dB	Adjusts the level of the mid to high-frequency range.
Hi Mid Freq	16 –16.0 k (Hz)	Frequency point in the mid to high-frequency range to midrange. This changes the level of the specified bandwidth centered on this frequency.
Hi Mid Q	0.5, 1.0, 2.0, 4.0, 8.0	Changes the bandwidth of the mid to high-frequency range. The bandwidth affected by the controls narrows as the value increases.
Hi Gain	-12–+12 dB	Adjusts the level of the high-frequency range.
Hi Freq	1.25 k–16.0 k (Hz)	Frequency point in the high-frequency range. Generally, this changes the level at and over this frequency.
Master Gain	-12–+12 dB	You can temper the distortion in the sound by lowering the level. Raising the level too much may cause the sound to become distorted.

Specifying What the Transpose will Affect (Transpose Mode)

This setting specifies what the transpose will affect.

You can use the transpose to change the pitch of both the song and the keyboard, the pitch of only the song, or the pitch of only the keyboard.

→ *Key Transpose (p. 40), Playback Transpose (p. 55)*

→ *You can use the Memory Backup function to store these settings to the RG-1 (p. 71).*

1. **Press the [Function] (Exit) button, getting its indicator to light.**

2. **Press the [Song] (Select -) button or [◄◄] (Select +) button to display the TRANSPOSE screen.**

```
TRANSPOSE    Value= 0
  Mode=Keyboard&Song
```

3. **Press the [Song] (Select -) button or [◄◄] (Select +) button so the value set for "Mode" begins flashing.**

```
TRANSPOSE    Value= 0
  Mode=Keyboard&Song
```

4. **Press the [►/■] (Value -) button or [►►I] (Value +) button to set the transpose mode.**

Value	description
Keyboard	Keyboard notes
Song	Song playback
Keyboard& Song	Keyboard notes and song playback

5. **Press the [Function] (Exit) button so the indicator goes out.**

Assigning Functions to Pedals

You can assign a variety of functions to the left and center pedals. You can call up the assigned functions just by pressing the corresponding pedal.

→ *You can use the Memory Backup function to store these settings to the RG-1 (p. 71).*

1. **Press the [Function] (Exit) button, getting its indicator to light.**

2. **Press the [Song] (Select -) button or [◄◄] (Select +) button to display the PEDAL screen.**

```
PEDAL Cent=Sostenuto
      Left=Soft
```

3. **Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Cent" (Center Pedal) or "Left" (Left Pedal) to flash.**

```
PEDAL Cent=Sostenuto
      Left=Soft
```

4. **Press the [►/■] (Value -) button or [►►I] (Value +) button to select the function assigned to the pedal.**

Value	Description
Sostenuto	The pedal functions as a sostenuto pedal (p. 16).
Soft	The pedal functions as a soft pedal (p. 16).
LwrDamper (Lower Damper)	When using Split performance (p. 38), the same effect as the damper pedal (p. 16) will be applied to the left-hand keyboard area.
Play/Stop	Starts and stops playback of the song.
Pedal EX	If you have a Layer tone (p. 22) selected, the original tone is played whenever the pedal is not being pressed as you perform. When you perform while pressing the pedal, an layer tone is played together with the original tone. The volume of the layer tone is adjusted according to how much you press the pedal.

Example: When "Harpsichord + Choir" are selected

- Playing the keyboard without pressing the pedal Only the harpsichord tone is played.

- Playing the keyboard while pressing the pedal When the pedal is not pressed, only the harpsichord tone is played, while the choir tone gradually comes in as the pedal is pressed. The volume of the choir tone is adjusted according to how much you press the pedal.

Value	Description
Octave	When you play a key while pressing on the pedal, the note for the key being pressed and the note one octave above it are layered and played together.
	You can adjust the volume of the sound one octave above the layer tone by changing the pressure used on the pedal.

**5.** Press the [Function] (Exit) button so the indicator goes out.

NOTE

No effects will be applied with "Pedal EX" function assigned to the pedal if any tone other than the layer tone is selected.

Changing the Song Playback Method (Play Mode)

You can choose the way in which songs are played back on the RG-1; one song at a time, or all songs successively.

→ *You can use the Memory Backup function to store these settings to the RG-1 (p. 71).*

1. Press the [Function] (Exit) button, getting its indicator to light.

2. Press the [Song] (Select -) button or [◄◄] (Select +) button to select "Mode" in the PLAY screen.

```
PLAY
        Mode=All Song
```
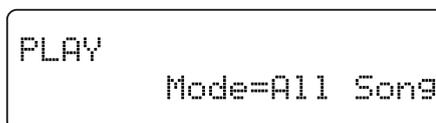
3. Press the [►/■] (Value -) button or [►►|] (Value +) button to set the play mode.

Value	Description
All Song	All of the songs in the genre are played back in sequence, starting from the selected song.
	When the final song in the selected genre is finished playing, playback then automatically resumes from the first song in that genre.
One Song	Only the selected song is played.
	Playback stops when the song is finished.

4. Press the [Function] (Exit) button so the indicator goes out.

Changing the Parts Assigned to the Track During SMF Playback (Track Assign)

Ordinarily, when playing back SMF music files for Roland Piano Digital instruments (p. 89), the left-hand part is assigned to the left-hand track, and the right-hand part is assigned to the right-hand track. However, right-hand and left-hand part assignments in certain SMF music files may differ.

If this is set to "Auto" and the right-hand and left-hand parts cannot be played smoothly, then change this setting.

→ *You can use the Memory Backup function to store these settings to the RG-1 (p. 71).*

1. **Press the [Function] (Exit) button, getting its indicator to light.**

2. **Press the [Song] (Select -) button or [|◄◄] (Select +) button to select "Track Assign" in the MISC screen.**

```
MISC
    Track Assign=Auto
```

3. **Press the [►/■] (Value -) button or [►►|] (Value +) button to set the track assign.**

Value	Description
Auto	The part assigned to each track will be determined automatically, depending on the song file.
2/1	Assigns Part 1 to the right-hand track, Part 2 to the left-hand track, and the remaining parts to the A (accompaniment) track.
3/4	Assigns Part 4 to the right-hand track, Part 3 to the left-hand track, and the remaining parts to the A (accompaniment) track.

4. **Press the [Function] (Exit) button so the indicator goes out.**

NOTE

This setting is applied after you change the setting and select a song.

Remembering the Settings Even When the Power is Turned Off (Memory Backup)

Normally, the various settings revert to their default values when the power is turned off.

However, you can specify that the settings will be remembered even when the power is turned off. This function is called "Memory Backup."

MEMO

For more on the settings stored using Memory Backup, refer to "Parameters Stored in Memory Backup" (p. 88).

1. **Press the [Function] (Exit) button, getting its indicator to light.**

2. **Press the [Song] (Select -) button or [|◄◄] (Select +) button to display the MEMORY BACKUP screen.**

```
MEMORY BACKUP
Press Enter to Exec.
```

3. **Press the [Enter] button.**

A confirmation message appears in the screen.

```
MEMORY BACKUP
   Are you sure?
```

Pressing the [Function] (Exit) button at this point returns you to the original screen without the settings being saved.

4. **Press the [Enter] button once more.**

Memory Backup is executed.

NOTE

Never turn off the power while "Executing..." is displayed in the screen.

When Memory Backup is finished, the display and buttons return to the previous screen.

Using the V-LINK Function

Connecting the RG-1 to a V-LINK compatible image device allows you to control the images with the RG-1.

V-LINK

V-LINK (**V-LINK**) is a function that allows music and images to be performed together. By using MIDI to connect two or more V-LINK compatible devices, you can easily enjoy a wide range of visual effects that are linked to the expressive elements of a music performance.

1. Press the [Function] (Exit) button, getting its indicator to light.

2. Press the [Song] (Select -) button or [|◄◄] (Select +) button to display the MIDI screen.

```
MIDI      V-LINK=Off
  Tx Ch= 1 Local=On
```

3. Press the [Song] (Select -) button or [|◄◄] (Select +) button to get the value for "V-LINK" to flash.

```
MIDI      V-LINK=Off
  Tx Ch= 1 Local=On
```

4. Press the [►/■] (Value -) button or [►►|] (Value +) button to switch the V-LINK function on or off.

Value	Description
On	The V-LINK function is switched on. You can control images using the twelve keys at the left end of the keyboard.
Off	The V-LINK function is switched off.

This is set to "Off" when you turn on the power.

NOTE

While V-LINK is switched on, no sound is produced when you press any of the twelve keys at the left end of the keyboard.

→ *When the V-LINK function is on, the V-LINK icon (🔲) appears on the Song Select screen and Tone screen.*

5. Press the [Function] (Exit) button so the indicator goes out.

MIDI Transmit Channel Settings

MIDI features sixteen MIDI channels, numbered 1–16.

Simply connecting a cable is not enough for communication to take place. The connected devices must be set to use the same MIDI channels. Otherwise, no sound will be produced, and no sounds can be selected.

The RG-1 receives all channels 1–16.

→ *You can use the Memory Backup function to store these settings to the RG-1 (p. 71).*

1. Press the [Function] (Exit) button, getting its indicator to light.

2. Press the [Song] (Select -) button or [|◄◄] (Select +) button to display the MIDI screen.

```
MIDI      V-LINK=Off
  Tx Ch= 1 Local=On
```

3. Press the [Song] (Select -) button or [|◄◄] (Select +) button to get the value for "Tx Ch" (Transmit channel) to flash.

```
MIDI      V-LINK=Off
  Tx Ch= 1 Local=On
```

4. Press the [►/■] (Value -) button or [►►|] (Value +) button to set the MIDI Transmit channel.

Value
Off, 1–16

5. Press the [Function] (Exit) button so the indicator goes out.

MEMO

For details on connecting MIDI devices, refer to "Connecting to MIDI Devices" (p. 81).

Preventing Doubled Notes When Connected to a Sequencer (Local Control)

When connecting a MIDI sequencer, set Local Control to "OFF." The setting is at "Local Control ON" when the RG-1 is powered up.

Since the Thru function of your sequencer will normally be turned on, notes played on the keyboard or played back by the recorder will be transmitted to the sound generator by the two routes (1) and (2) shown in the illustration, causing notes to be sounded in duplicate or to be cut off unnaturally. To prevent this, the setting called "Local Off" is used to disconnect the route in (1).

Each note played is sounded twice
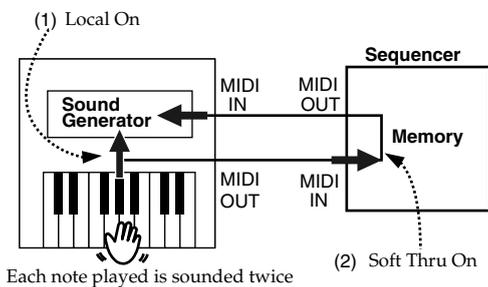
Local On:

The keyboard and recorder are connected to the internal sound generator.

Sound is emitted
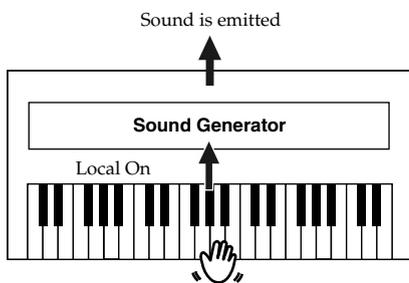
Local Off:

The keyboard and recorder are not connected to the internal sound generator.

No sound will be produced by the keyboard and recorder when it is played.

No sound produced
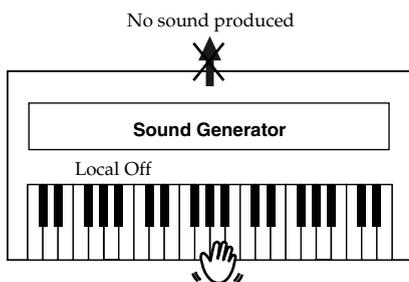
→ *When connecting a unit in the Roland MT series, you don't need to switch off Local Control. MT units transmit Local Off messages when their power is switched on. If you first switch on the RG-1, then the MT-series device, Local Control is automatically switched off on the RG-1.*

1. Press the [Function] (Exit) button, getting its indicator to light.

2. Press the [Song] (Select -) button or [◄◄] (Select +) button to display the MIDI screen.

```
MIDI      V-LINK=Off
  Tx Ch= 1 Local=On
```

3. Press the [Song] (Select -) button or [◄◄] (Select +) button to get the value for "Local" (Local Control) to flash.

```
MIDI      V-LINK=Off
  Tx Ch= 1 Local=On
```

4. Press the [►/■] (Value -) button or [►►I] (Value +) button to switch Local Control on or off.

Value	Description
On	Local Control is switched on.
Off	Local Control is switched off.

5. Press the [Function] (Exit) button so the indicator goes out.

Sending Recorded Performance Data to a MIDI Device (Composer MIDI Out)

When Composer MIDI Out is active, you can send performance data recorded with the RG-1 to a connected MIDI device or computer.

→ *You can use the Memory Backup function to store these settings to the RG-1 (p. 71).*

1. Press the [Function] (Exit) button, getting its indicator to light.

2. Press the [Song] (Select -) button or [◄◄] (Select +) button to select "Composer MIDIOut" in the MIDI screen.

```
MIDI
Composer MIDIOut=Off
```

3. Press the [►/■] (Value -) button or [►►I] (Value +) button to switch the song's MIDI Out setting on or off.

Value	Description
On	The performance data recorded with the RG-1 can be sent to the connected MIDI device or computer.
Off	The performance data recorded with the RG-1 cannot be sent to the connected MIDI device or computer.

4. Press the [Function] (Exit) button so the indicator goes out.

Making the Settings for the USB Driver

Normally, you don't need to install a driver in order to connect the RG-1 to your computer. However, if some problem occurs, or if the performance is poor, using the Roland original driver may solve the problem.

Specify the USB driver you want to use, and then install the driver.

1. Press the [Function] (Exit) button, getting its indicator to light.

2. Press the [Song] (Select -) button or [◄◄] (Select +) button to select "USB Driver" in the MIDI screen.

```
MIDI
USB Driver=Original
```

3. Press the [►/■] (Value -) button or [►►I] (Value +) button to select the USB driver.

Indication	Description
Generic	Choose this if you want to use the standard USB driver that was included with your computer. Normally, you should use this mode.
Original	Choose this if you want to use a USB driver downloaded from the Roland website.

4. Press the [Function] (Exit) button so the indicator goes out.

MEMO

- If you change this setting, turn on the power once again.

- This setting is remembered even when the power is turned off.

- For details on downloading and installing the Roland original driver, refer to the Roland website.

  Roland website:
  http://www.roland.com/

- For details on connecting your computer via the USB connector, refer to "Connecting a Computer" (p. 82).

Changing the Communication Settings for USB Memory (External Memory Mode)

In some cases, when USB memory is connected to the external memory connector, it may take longer for data to be loaded, or data may fail to be loaded successfully.

If this happens, changing the communication settings for the USB memory may help.

* *Changing the settings is normally not required.*

1. **Press the [Function] (Exit) button, getting its indicator to light.**

2. **Press the [Song] (Select -) button or [◄◄] (Select +) button to select "Mode" in the EXTERNAL MEMORY screen.**

```
EXTERNAL MEMORY
                    Mode=2
```

3. **Press the [►/■] (Value -) button or [►►I] (Value +) button to change the value.**

Value
1, 2

4. **Press the [Function] (Exit) button so the indicator goes out.**

MEMO

- If you change this setting, turn on the power once again.
- This setting is remembered even when the power is turned off.

Switching the Muted Part (Accompaniment Track Assign)

You can use the Track Mute setting (p. 48) to switch the part assigned to the accompaniment track.

1. **Press the [Function] (Exit) button, getting its indicator to light.**

2. **Press the [Song] (Select -) button or [◄◄] (Select +) button to display the ACCOMP TRACK ASSIGN screen.**

```
ACCOMP TRACK ASIGN
                    Rhythm
```

3. **Press the [►/■] (Value -) button or [►►I] (Value +) button to select the part to assign to the accompaniment track.**

Value	Description
Rhythm& Accomp	Both the accompaniment and rhythm will be muted.
Accomp	Only the accompaniment will be muted. (The rhythm will not be muted.)
Rhythm	Only the rhythm will be muted. (The accompaniment will not be muted.)

4. **Press the [Function] (Exit) button so the indicator goes out.**

NOTE

This setting is applied after you change the setting and select a song.

75

Switching VIMA CD-ROM Recommended Tones

Songs on VIMA CD-ROMs (VIMA TUNES) are programmed with "recommended tones" suitable for each song.

When you select a song, the recommended tones are assigned to the RG-1's Tone buttons, and those Tone buttons then flash.

When you press a flashing Tone button, the recommended tone is then selected, enabling you to perform the selected song using a tone matched to that song as it plays back.

You can set the RG-1 so that the recommended tones are automatically assigned (On) or not assigned (Off).

→ *You can use the Memory Backup function to store these settings to the RG-1 (p. 71).*

1. **Press the [Function] (Exit) button, getting its indicator to light.**

2. **Press the [Song] (Select -) button or [◄◄] (Select +) button to select "Recommended Tone" in the MISC screen.**

```
MISC
Recommended Tone=On
```

3. **Press the [►/■] (Value -) button or [►►|] (Value +) button to switch the recommended tone setting on or off.**

Value	Description
On	The recommended tones are automatically assigned to the RG-1's Tone buttons.
Off	The recommended tones are not used, and only the RG-1's internal tones can be selected.

This is set to "On" when shipped from the factory.

4. **Press the [Function] (Exit) button so the indicator goes out.**

Initializing the User Memory, USB Memory, and Floppy Disks

You can delete all of the data in the User memory, in USB memory, or on floppy disks and restore (initialize) the data to the original default factory settings.

The RG-1 contains an internal memory area to which you can save recorded performances and other data.

This area is called the "User Memory."

The content registered in the "Favorites" is stored in the User Memory.

* *Executing this procedure does not initialize any settings other than the content of the User Memory. To restore the factory defaults for settings other than the User Memory content, carry out Factory Reset (p. 77).*

1. **To initialize your USB memory, first connect the USB memory to the External memory connector. If you want to initialize a floppy disk, insert the floppy disk in the floppy disk drive.**

2. **Press the [Function] (Exit) button, getting its indicator to light.**

3. **Press the [Song] (Select -) button or [◄◄] (Select +) button to display the FILE screen.**

```
FILE
SAVE|COPY|DEL|FORMAT
```

4. **Press the [Song] (Select -) button or [◄◄] (Select +) button so "FORMAT" is flashing.**

```
FILE
SAVE|COPY|DEL FORMAT
```

5. **Press the [Enter] button.**

6. **Press the [►/■] (Value -) button or [►►|] (Value +) button to select the memory to be initialized.**

```
FORMAT   User Memory
Press Enter to exec.
```

Value	Description
User Memory	Contents of the User Memory
Ext Memory	Contents of the USB memory connected to the External memory connector
Floppy Disk	Contents of the Floppy disk

7. **Press the [Enter] button.**

A confirmation message appears in the screen.

```
FORMAT   User Memory
   Are you sure?
```

If you press the [Function] (Exit) button, none of the data in User memory, USB memory, or on the floppy disk is erased, and you're returned to the previous screen.

8. **Press the [Enter] button once more.**

The data in the User memory or USB memory or on the floppy disk is deleted.

NOTE

Be sure not to turn off the power as long as "Executing..." is displayed.

Restoring the Factory Settings (Factory Reset)

You can return the content stored with "Memory Backup" (p. 71) to their original factory settings.

This operation is referred to as "Factory Reset."

NOTE

When you perform a Factory Reset, all settings that have been stored in memory up to then are erased and reset to their factory defaults.

1. **Press the [Function] (Exit) button, getting its indicator to light.**

2. **Press the [Song] (Select -) button or [◄◄] (Select +) button to display the FACTORY RESET screen.**

```
FACTORY RESET
Press Enter to Exec.
```

3. **Press the [Enter] button.**

A confirmation message appears in the screen.

```
FACTORY RESET
   Are You Sure?
```

Pressing the [Function] (Exit) button at this point returns you to the previous screen without Factory Reset being executed.

4. **Press the [Enter] button once more.**

Factory reset is executed.

When the factory reset is complete and the screen shown below appears, switch the power off, then back on.

```
FACTORY RESET
   Cycle the power.
```

NOTE

Never switch off the power until this screen appears.

MEMO

Connecting External Devices

Connecting to Audio Equipment

You can connect audio devices to play the sound of the RG-1 through the speakers of your audio system, or to record your performance on a tape recorder or other recording device.

MEMO

Use phone plug audio cables (sold separately) to make connections.

* *When connection cables with resistors are used, the volume level of equipment connected to the input jacks may be low. If this happens, use connection cables that do not contain resistors.*

* *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.*

Connecting Speakers to the RG-1 and Outputting Sounds
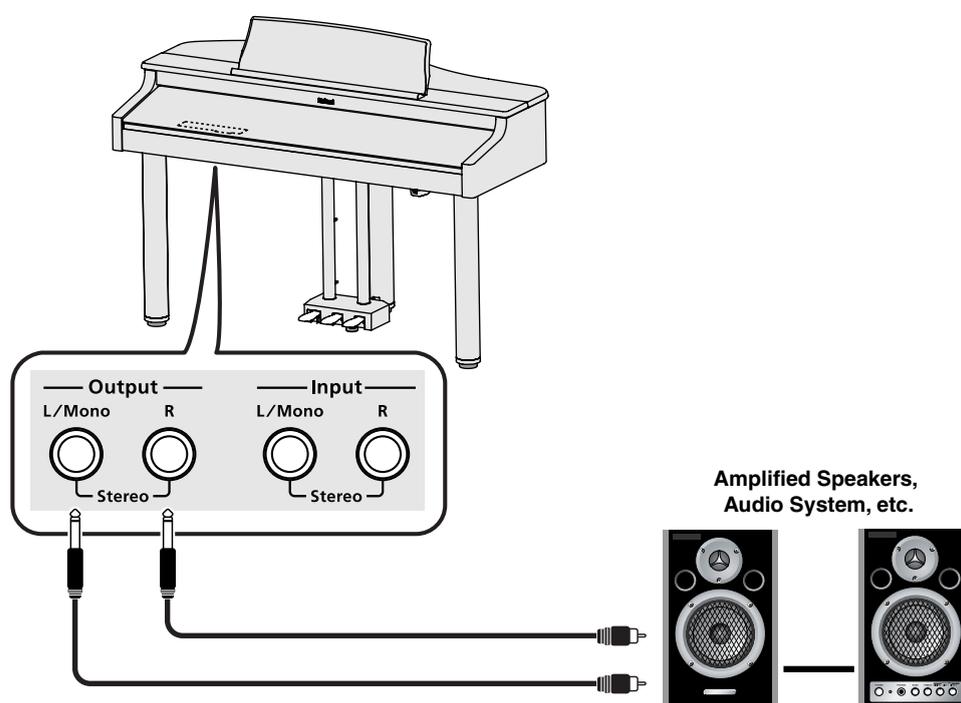
1. Turn the volume all the way down on the RG-1 and on the speakers you're about to connect.

2. Turn off the power to the RG-1 and the speakers.

3. Use audio cables (sold separately) to make the connection.

4. Switch on the RG-1.

5. Switch on the connected speakers.

6. Adjust the volume level on the RG-1 and the connected speakers.

When you play the RG-1's keyboard, the sound is played from the RG-1's and connected speakers.

Turning Off the Power

1. Turn the volume all the way down on the RG-1 and on the connected speakers.

2. Turn off the connected speakers.

3. Turn off the RG-1.

Playing Sounds of an Audio Device through the RG-1

Audio System, etc.
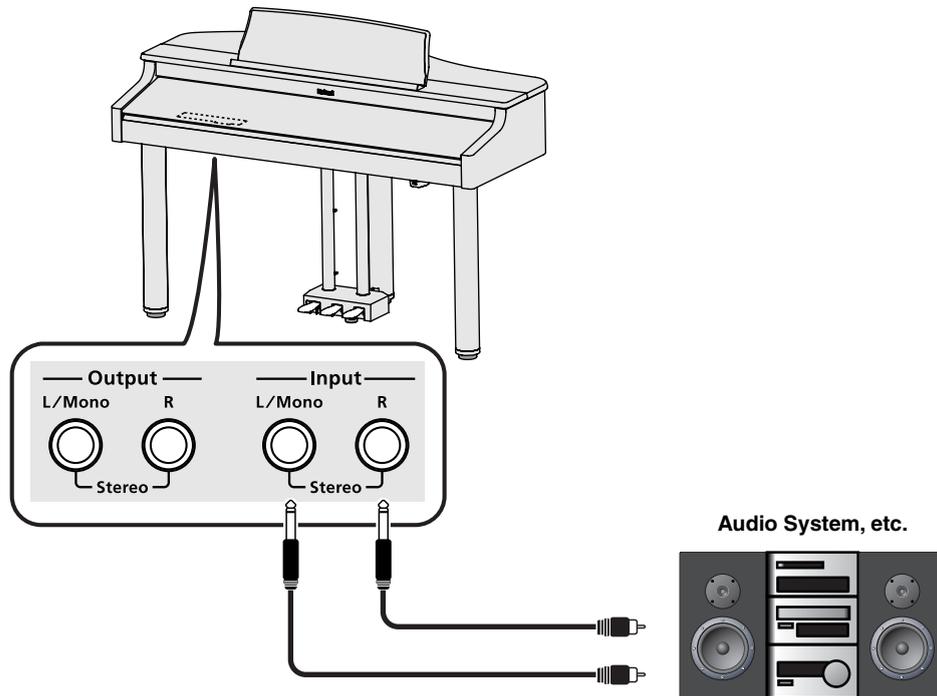
1. Turn the volume all the way down on the RG-1 and on the audio device you're about to connect.

2. Turn off the power to the RG-1 and the audio device.

3. Use audio cables (sold separately) to make the connection.

4. Switch on the connected audio device.

5. Switch on the RG-1.

6. Adjust the volume level on the RG-1 and the connected audio device.

The sounds from the connected audio device are played by the RG-1.

MEMO

Adjust the volume by using the controls of your audio device.

Turning Off the Power

1. Turn the volume all the way down on the RG-1 and on the connected audio device.

2. Turn off the RG-1.

3. Turn off the connected audio device.

Connecting to MIDI Devices

By connecting an external MIDI device and exchanging performance data, you can control one device from the other. For instance, you can output sound from the other instrument or switch Tones on the other instrument.

*   *External MIDI devices can't be used for remotely changing the Tones played by the RG-1's keyboard.*

What's MIDI?

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

The RG-1 is equipped with MIDI connectors to let it exchange performance data with external devices. These connectors can be used to connect the RG-1 to an external device for even greater versatility.

*   *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.*

Connecting a MIDI Sequencer to the RG-1

Roland MT series
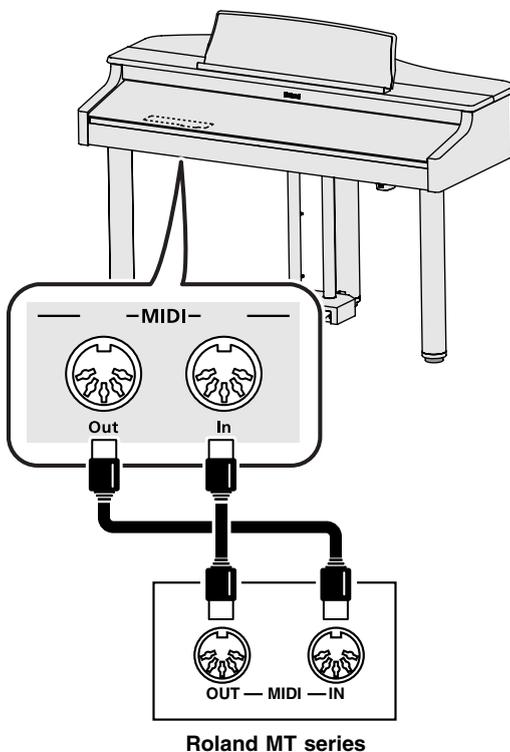
[NOTE]

When the RG-1 is connected to a MIDI sequencer, set it to "Local Off." Refer to "Preventing Doubled Notes When Connected to a Sequencer (Local Control)" (p. 73).

Producing Sounds from a MIDI Sound Module by Playing the RG-1

MIDI Sound Module
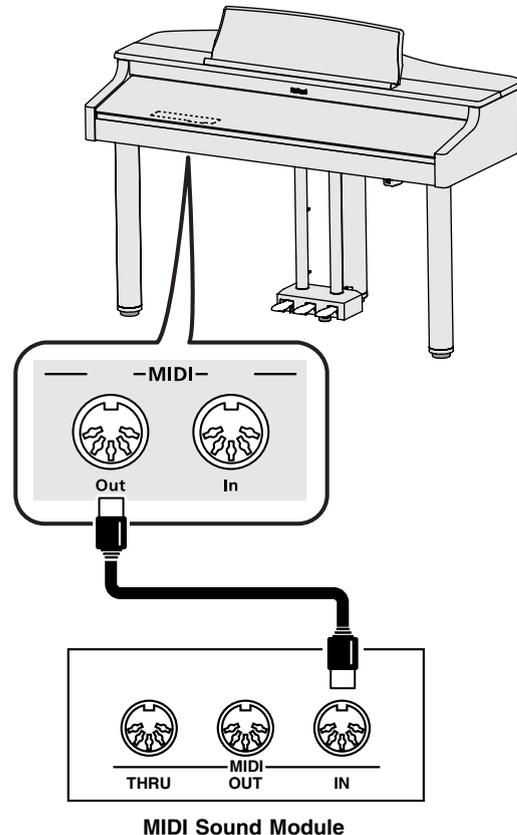
Making the Connection

1. Turn the volume all the way down on the RG-1 and on the MIDI device you're about to connect.

2. Switch off the power to the RG-1 and the MIDI device you're about to connect.

3. Use a MIDI cables (sold separately) to connect the MIDI connectors to each other.

4. Switch on the power to the RG-1 and the connected device.

5. Adjust the volume level on the RG-1 and the connected device.

6. You should also set the MIDI transmit channel as needed.

MEMO

For details on the MIDI transmit channel, refer to "MIDI Transmit Channel Settings" (p. 72).

Connecting a Computer

The following become possible once you connect a USB cable (available separately) between the USB (MIDI) connector on the RG-1's jack panel and the USB connector of your computer.

- You can use the RG-1 to play sounds from SMF music files played back with MIDI software.

- By exchanging MIDI data with sequencer software, you can save songs recorded with the RG-1 to your computer, and enjoy a variety of musical control and editing features.

Connect the RG-1 to your computer as shown below.

USB(MIDI)

Computer

USB connector

* *Refer to the Roland website for system requirements.*
Roland website: http://www.roland.com/
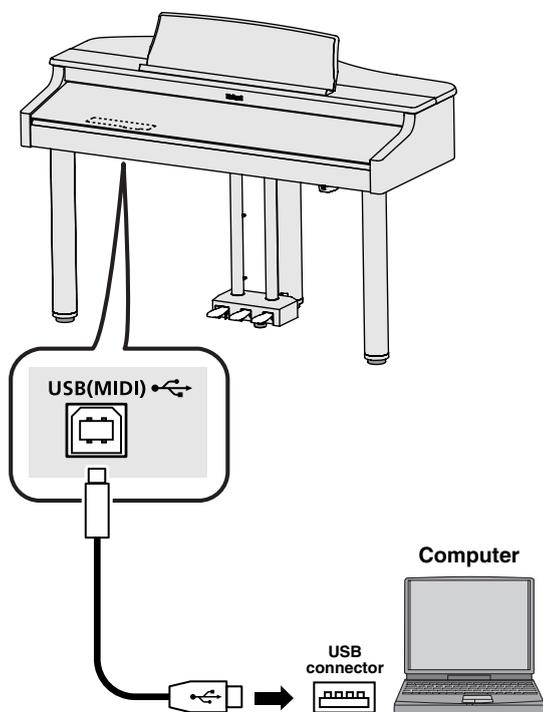
If connection to your computer is unsuccessful...

Normally, you don't need to install a driver in order to connect the RG-1 to your computer. However, if some problem occurs, or if the performance is poor, using the Roland original driver may solve the problem.

For details on downloading and installing the Roland original driver, refer to the Roland website.

Roland website: http://www.roland.com/

Specify the USB driver you want to use, and then install the driver. For details, refer to "Making the Settings for the USB Driver" (p. 74).

Caution

- 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.

- Only MIDI data can be transmitted using USB.

- USB cables are not included. Consult your Roland dealer if you need to purchase.

- Turn on the power to the RG-1 before starting up MIDI applications on the computer. Do not turn the RG-1 on or off while any MIDI application is running.

Troubleshooting

Case	Cause/Remedy
The power doesn't come on	Is the power cord connected and plugged in correctly? (p. 15)
Depressing a pedal has no effect, or the pedal effect doesn't stop	Is the pedal connected correctly? Make sure the pedal cord is securely connected to the pedal connector (p. 15).
	Has a different function been assigned to the pedal? See "Assigning Functions to Pedals" (p. 69).
The volume level of the instrument connected to Input jacks is too low	Could you be using a connection cable that contains a resistor? Use a connection cable that does not contain a resistor.
Low hum coming from external device	Do you have different external devices plugged into different power outlets? When connecting external devices, always draw power from the same outlet.
Unable to load properly with USB memory	Is the USB memory you are using one that was produced by Roland? Performance is not guaranteed when other types of USB memory are used.
	Try changing the communication settings for the USB memory device (p. 75).
Unable to eject the CD	Try the following procedure. If after these steps you are still unable to get the CD to eject, read the CD drive owner's manual. 1. Turn off the power to all connected devices. 2. Turn on the RG-1. 3. Turn on the CD drive. 4. Wait a few moments after the power is switched on, then firmly press the eject button.

No sound is heard	
No sound is heard	Is the volume level of the RG-1 (p. 16) or connected device turned all the way down?
	Are headphones plugged in? (p. 17) Has a plug remained connected to the Phones jack? When headphones or plugs are connected, the keyboard's speaker stops playing.
	Could the keyboard volume be turned down completely in the volume balance settings? (p. 52)
	Could the levels of all frequency ranges be turned down completely in the equalizer settings? (p. 40)
	Is V-LINK switched on? While V-LINK is switched on, no sound is produced when you press any of the twelve keys at the left end of the keyboard (p. 72).
No sound is heard (when a MIDI instrument is connected)	Have all devices been switched on?
	Are the MIDI cables connected correctly? (p. 81)
	Does the MIDI channel match the connected instrument? (p. 72)
No sound is heard when the keyboard is fingered or a song is played back	Has Local Control been set to "Off"? When Local Control is set to Off, no sound is produced by playing the keyboard and playing back a song. Set Local Control to On (p. 73).
Not all played notes are sounded	The maximum number of notes can play simultaneously is 128. Frequent use of the damper pedal during playing along with a song may result in performance data with too many notes, causing some notes to drop out.

The sound is strange	
Sounds are heard twice (doubled) when the keyboard is played	Do you have the Layer tone selected? (p. 22)
	When the RG-1 is connected to an external sequencer, set it to the Local Off mode (p. 73). Alternatively, the sequencer could be set so its Soft Thru feature is Off.
The tuning or pitch of the keyboard or song is off	Have you set transpose? (p. 55, p. 40)
	Are the settings for the "Temperament" and "Stretch Tuning" correct? (p. 32, p. 31)
	Is the setting for the "Master Tune" correct? (p. 37)
Reverberation still audible even with Reverb turned off	Since the RG-1's piano sounds accurately reproduce the depth and reverberation of the original acoustic piano, you may find that reverberation is audible when the Key Off Resonance function is enabled. If you want to eliminate the reverberation, turn off the Key Off Resonance function (p. 30).

Troubleshooting

Case	Cause/Remedy
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 RG-1, the range that is unaffected by the damper pedal will change depending on the Key Transpose setting.
A High-pitched whine is produced	**When listening through headphones:** Some of the more flamboyant and effervescent piano tones feature an ample high-end component, which may make the sound appear to have metallic reverberation added. Since this reverberation becomes particularly audible when supplemented by heavy reverb, you may be able to diminish the problem by reducing the amount of reverb applied to the sound. **When listening through speakers:** Here, a different cause (such as resonance produced by the RG-1) would be suspect. Consult your Roland dealer or nearest Roland Service Center.
The bass range sounds odd, or there is a vibrating resonance	**When listening through speakers:** Playing at loud volumes may cause instruments near the RG-1 to resonate. Resonation can also occur with fluorescent light tubes, glass doors, and other objects. In particular, this problem occurs more easily when the bass component is increased, and when the sound is played at higher volumes. Use the following measures to suppress such resonance. • Place speakers so they are 10–15 cm from walls and other surfaces. • Reduce the volume. • Move the speakers away from any resonating objects. **When listening through headphones:** Here, a different cause (such as resonance produced by the RG-1) would be suspect. Consult your Roland dealer or nearest Roland Service Center.

Song doesn't play back correctly

Song doesn't play back	Does the screen indicate message, like "Delete User Song OK?" (p. 63). The internal songs cannot be played back while recorded performance data remains in the RG-1's memory. Erase the performance data or play back the song after saving to the "Favorites" or to your USB memory.
	Is the "Playback Lock" setting (p. 66) activated? When the Playback Lock setting has been activated, the [▶/■] (Value -) button no longer functions as the button for starting and stopping song playback, and cannot be used to play back the song. Cancel Playback Lock.
Pressing the [◄◄] button doesn't return to the beginning of the song	Some music files may contain settings that stop play at a point partway through the song. Press the [◄◄] button several times more to return to the beginning of the song.
The [◄◄] and [►►] buttons don't work	If you attempt to play back performance data that contains more data than the entire capacity of the RG-1's memory, you may find that operations other than playback (such as rewind or fast forward) become unavailable.
Accompaniment not playing	Is the accompaniment volume turned down in the volume balance settings? (p. 52)
No sound is heard when a song is played back	Has Local Control been set to "Off"? When Local Control is set to Off, no sound is produced by playing back a song. Set Local Control to On (p. 73).

Can't record/Can't play back

The recorded performance has disappeared	Any performance that has been recorded is deleted when the power to the RG-1 is turned off or a song is selected. A performance cannot be restored once it's been deleted. Be sure to save it on a USB memory or User Memory before you turn off the power (p. 64).
Can't play back a song from CD	Reading of data from the CD starts when the CD is inserted in the drive. It may take a few moments to complete reading of the data.

Error Messages

Indication	Meaning
Error 01:	You can only read the music file. It can not be saved.
Error 02:	An error occurred during writing. The storage media's protect tab may be in the "Protect" (writing prohibited) position, or the storage media may not yet be initialized.
Error 10:	No storage media is inserted. Insert the storage media and try again.
Error 11:	There is not sufficient free memory in the save destination. Either insert other storage media or delete unneeded files and try again.
Error 14:	An error occurred during writing. The storage media may be corrupted. Insert other storage media and try again. Alternatively, you can initialize the storage media.
Error 15:	The file is unreadable. The data format is not compatible with the RG-1.
Error 16:	Data was not called up in time for playback of the song. After waiting several seconds, you may be able to play back the song by pressing the [►/■] button again.
Error 30:	The internal memory capacity of the RG-1 is full.
Error 40:	The RG-1 cannot deal with the excessive MIDI data sent from the external MIDI device. Reduce the amount of MIDI data sent to the RG-1.
Error 41:	A MIDI cable has been disconnected. Connect it properly and securely.
Error 43:	A MIDI transmission error has occurred. Check the MIDI cable and connected MIDI device.
Error 51:	There may be a problem with the system. Repeat the procedure from the beginning. If it is not solved after you have tried several times, contact the Roland service center.
Error 65:	The External memory connector was subjected to excessive current. Check the storage media to confirm that no damage has occurred to it.

Tone List

Piano 1   Piano 2   Harpsi-chord   Vibra-phone   E.Piano

Piano 1

1	Grand Piano1	*1
2	Grand Piano1 + Str	
3	Grand Piano1 + Pad	
4	Piano1 + FM E.Piano	

Piano 2

1	Grand Piano2	*1
2	Grand Piano2 + Str	
3	Grand Piano2 + Pad	
4	Piano2 + Bell	

Harpsichord

1	Harpsichord	*2
2	Coupled Harpsichord	*2
3	Harpsichord + Choir	*2
4	Harpsichord + Str	*2

Vibraphone

1	Vibraphone
2	Bell
3	Harp
4	Electric Piano + Pad

E.Piano

1	Electric Piano
2	FM E.Piano
3	'60s Electric Piano
4	Electric Piano + Str

Piano 1

1	A.Bs / Grand Piano1	*1
2	A.Bs/GrandPiano1+Str	
3	A.Bs/GrandPiano1+Pad	
4	Cho /Piano1+FM E.Pno	

Piano 2

1	Bs+Ride/Grand Piano2	*1
2	Bs+Ride/Piano2 + Str	
3	Bs+Ride/Piano2 + Pad	
4	Choir /Piano2 + Bell	

Harpsichord

1	Strings/Harpsichord	*2
2	Strings/Coupled Hrps	*2
3	Strings/Harpsi+Choir	*2
4	Choir/Harpsichrd+Str	*2

Vibraphone

1	A.Bs+Ride/Vibraphone
2	Choir / Bell
3	Strings / Harp
4	Choir/E.Piano + Pad

E.Piano

1	E.Bass/ElectricPiano
2	E.Bass / FM E.Piano
3	E.Bass/'60s E.Piano
4	Choir/E.Piano + Str

*1   These are tones for which the Hammer Noise (p. 25), String Resonance (p. 29), and Key Off Resonance (p. 30) settings are effective.

*2   These are tones for which the Key Off Resonance setting (p. 30) is effective.

Internal Song List

Jazz

Windy Afternoon

Trio Grande

Scrambled Egg

Blue Sky Rag

One Down And Easy

Bop On The Rock

Fly Free

Late Night Chopin

Wedding Song

Yesterday's Dream

Sun Daze

Keepers Tale

Kismet's Salsa

Roll Over Ludwig

A Prelude To ...

From Matthew's Passion

Paganini Boogie

Classical

Liebestraume 3

Etude, op.10-3

Je te veux

Valse, op.64-1

Golliwog's Cakewalk

Fantaisie-Impromptu

Arabesque 1

Nocturne No.2

Gymnopedie 1

Clair De Lune

An der schonen, Blauen Donau

Auf Flugeln des Gesanges

Mazurka No.5

Etude, op.25-1

Etude, op.10-5

Grande Valse Brillante

Course en Troika

Valse, op.64-2

Traumerei

Fruhlingslied

Dr. Gradus ad Parnassum

Radetzky Marsch

Moments Musicaux 3

Prelude, op.28-15

Ungarische Tanze 5

La priere d'une Vierge

To The Spring

Humoreske

Blumenlied

Gavotte

Parameters Stored to Internal Memory

■ Parameters Stored in Memory Backup

Screen	Display	Description	Page
KEYBOARD	Touch	Key Touch	p. 34
	Fixed Velocity	The velocity when the Key Touch is set to "Fix"	p. 67
	Hammer Response	Hammer Response	p. 24
	Hammer Noise	Hammer Noise	p. 25
RESONANCE	Damper Resonance	Damper Resonance	p. 29
	Damper Noise	Damper Noise	p. 27
	Duplex Scale	Duplex Scale	p. 28
	String Resonance	String Resonance	p. 29
	KeyOff Resonance	Key Off Resonance	p. 30
EQUALIZER	Set	Equalizer set number	p. 68
	Low Gain	The level of the low-frequency range	
	Low Freq	Frequency point in the low-frequency range	
	Lo Mid Gain	The level of the low-frequency range to midrange	
	Lo Mid Freq	Frequency point in the low-frequency range to midrange	
	Lo Mid Q	The bandwidth of the low-frequency range to midrange	
	Hi Mid Gain	The level of the mid to high-frequency range	
	Hi Mid Freq	Frequency point in the mid to high-frequency range to midrange	
	Hi Mid Q	The bandwidth of the mid to high-frequency range	
	Hi Gain	The level of the high-frequency range	
	Hi Freq	Frequency point in the high-frequency range	
	Master Gain	Equalizer master level	
DYNAMICS		Dynamics Sound Control	p. 35
TUNE	(Master Tune setting)	Master Tune	p. 37
	Stretch	Stretch Tune	p. 31
	(Tuning Method)	Temperament	p. 32
	Key	Tonic Note	p. 33
EFFECT	Reverb	Reverb Level	p. 36
BALANCE	Key:Acmp	Volume Balance	p. 52
	Layer	Layer Balance	p. 22
SPLIT	Split Point	Split Point	p. 39
TRANSPOSE	Transpose Mode	Transpose Mode	p. 69
PEDAL	Cent	The function assigned to the center pedal	p. 69
	Left	The function assigned to the left pedal	
PLAY	Mode	Song Playback method	p. 70
CD/AUDIO	Level	Audio CD/Audio file Playback volume level	p. 50
MIDI	Tx Ch	Transmit Channel	p. 72
	Composer MIDIOut	Composer MIDI Out	p. 74
MISC	Track Assign	Track Assign	p. 71
	Recommended Tone	Recommended Tone Function On/Off	p. 76

■ Parameters Stored without Using Memory Backup

Screen	Display	Description	Page
MIDI	USB Driver	Settings for the USB Driver	p. 74
EXTERNAL MEMORY	Mode	Changing the communication settings for USB memory	p. 75

Music Files That the RG-1 Can Use

What Are Music Files?

Music files contains musical information such as how long the key for a corresponding pitch is played, the force applied to the key played, and other such information. Performance data is transmitted to the RG-1 from music files saved in USB memory and played back without change as songs. This is different than a audio CD, since the music file does not contain a recording of the sound itself. This makes it possible to erase certain parts, or to change instruments, tempos and keys freely, allowing you to use it in many different ways.

Regarding Copyright

Use of the song data supplied with the Data Disk attached to this product for any purpose other than private, personal enjoyment without the permission of the copyright holder is prohibited by law. Additionally, this data must not be copied, nor used in a secondary copyrighted work without the permission of the copyright holder.

■ The RG-1 allows you to use the following music files

VIMA TUNES

VIMA TUNES is a Roland specification for music files that contains image and lyric data, allowing you to enjoy songs with lyrics and images simultaneously.

When data bearing the "VIMA TUNES" logo is played back on a device that bears the same logo, lyrics can be shown on the screen of a connected external display or television, letting you enjoy karaoke or watch a slide show.

* *This instrument (RG-1) is not able to play back VIMA TUNES images and lyric data.*

SMF Music Files

SMFs (Standard MIDI Files) use a standard format for music file that was formulated so that files containing music file could be widely compatible, regardless of the manufacturer of the listening device. An enormous variety of music is available, whether it be for listening, for practicing musical instruments, for Karaoke, etc.

■ About the RG-1 Sound Generator

The RG-1 come equipped with GM 2/GS sound generators.

General MIDI

The General MIDI is a set of recommendations which seeks to provide a way to go beyond the limitations of proprietary designs, and standardize the MIDI capabilities of sound generating devices. Sound generating devices and music files that meets the General MIDI standard bears the General MIDI logo. Music files bearing the General MIDI logo can be played back using any General MIDI sound generating unit to produce essentially the same musical performance.

General MIDI 2

The upwardly compatible General MIDI 2 recommendations pick up where the original General MIDI left off, offering enhanced expressive capabilities, and even greater compatibility. Issues that were not covered by the original General MIDI recommendations, such as how sounds are to be edited, and how effects should be handled, have now been precisely defined. Moreover, the available sounds have been expanded. General MIDI 2 compliant sound generators are capable of reliably playing back music files that carry either the General MIDI or General MIDI 2 logo.
In some cases, the conventional form of General MIDI, which does not include the new enhancements, is referred to as "General MIDI 1" as a way of distinguishing it from General MIDI 2.

GS Format

The GS Format is Roland's set of specifications for standardizing the performance of sound generating devices. In addition to including support for everything defined by the General MIDI, the highly compatible GS Format additionally offers an expanded number of sounds, provides for the editing of sounds, and spells out many details for a wide range of extra features, including effects such as reverb and chorus. Designed with the future in mind, the GS Format can readily include new sounds and support new hardware features when they arrive. Since it is upwardly compatible with the General MIDI, Roland's GS Format is capable of reliably playing back GM Scores equally as well as it performs GS music files (music files that have been created with the GS Format in mind). This product supports both the General MIDI 2 and the GS Format, and can be used to play back music files carrying either of these logos.

XGlite

XG is a tone generator format of YAMAHA Corporation, that defines the ways in which voices are expanded or edited and the structure and type of effects, in addition to the General MIDI 1 specification. XGlite is a simplified version of XG tone generation format. You can play back any XG music files using an XGlite tone generator. However, keep in mind that some music files may play back differently compared to the original files, due to the reduced set of control parameters and effects.

DIGITAL PIANO

Model RG-1

Date : Feb. 1, 2008

MIDI Implementation Chart

Version : 1.00

	Function...	Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1 1–16	1–16 1–16	
Mode	Default Messages Altered	Mode 3 x **************	Mode 3 Mode 3, 4 (M=1)	* 2
Note Number :	True Voice	15–113 **************	0–127 0–127	
Velocity	Note ON Note OFF	O O	O O	
After Touch	Key's Ch's	x x	O *1 O *1	
Pitch Bend		x	O	
Control Change	0, 32 1 5 6, 38 7 10 11 64 65 66 67 84 91 93 98, 99 100, 101	x x x x x x x O x O O x O x x x	O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O (Reverb) *1 O (Chorus) *1 O *1 O *1	Bank select Modulation Portamento time Data entry Volume Panpot Expression Hold 1 Portamento Sostenuto Soft Portamento control Effect1 depth Effect3 depth NRPN LSB, MSB RPN LSB, MSB
Prog Change	: True #	x **************	O 0–127	Program number 1–128
System Exclusive		O	O	
System Common	: Song Pos : Song Sel : Tune	x x x	x x x	
System Real Time	: Clock : Commands	O O	x x	
Aux Message	: All sound off : Reset all controllers : Local Control : All Notes OFF : Active Sense : Reset	x x x x O x	O (120, 126, 127) O O O (123–125) O x	
Notes		* 1 O x is selectable by SysEx. * 2 Recognized as M=1 even if M≠1.		

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

Main Specifications

RG-1	
<Keyboard>	
Keyboard	88 keys (PHA II ivory feel Keyboard with Escapement)
Touch Sensitivity	Touch: 100 levels, fixed touch (level adjustable)
	Hammer Response: 10 levels
Keyboard Mode	Whole, Layer (as layer tones, volume balance adjustable), Split (split point adjustable)
<Sound Generator> 88 keys stereo multi-sampling piano sound Conforms to GM2/GS/XG Lite	
Max. Polyphony	128 voices
Tones	20 tones (5 groups 4 variations) for manual performance 340 internal tones for SMF playback (including 8 drum sets, SFX set)
Temperament	8 types, selectable tonic
Stretched Tuning	2 types
Master Tuning	415.3–466.2 Hz (adjustable in increments of 0.1 Hz)
Transpose	Key Transpose: -6–+5 (in semitones) Playback Transpose (with Audio CD/Audio File): -6–+5 (in semitones)
Effects	Dynamics (3 types), Reverb (127 levels), Hammer noise (only for piano tones, 5 levels), Damper Resonance (only for piano tones, 10 levels), Damper Noise (only for piano tones, 10 levels), Duplex Scale (only for piano tones, 10 levels), String Resonance (only for piano tones, 10 levels), Key Off Resonance (only for piano tones, 10 levels)
Equalizer	4-band Digital Equalizer
<Metronome>	
Tempo	Quarter note= 10 to 500
Beat	2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8
Volume	11 levels
<Recorder>	
Track	1 track
Song	1 Song
Note Storage	Approx. 30,000 notes
Tempo	Quarter note= 10 to 500
Resolution	120 ticks per quarter note
Controls	Song Select, Play/Stop, Rec, Previous / Rewinding, Next / Fast-forwarding, Track Mute (Mute level adjustable), Melody Guide (Track mute volume), Tempo (only for Music files playback), All Song Play, Center Cancel (only for Audio playback), Count-in (only for Music files playback)
<Internal Memory>	
Songs	Max. 99 songs
Save Song	Standard MIDI Files (Format 0)

Main Specifications

RG-1	
<External Memory>	
External Storage	USB Memory Floppy Disk (when using optional floppy disc drive)
Playable Software	Standard MIDI Files (Format 0/1) Roland Original Format (i-Format) Audio File (WAV 44.1 kHz / 16-bit linear format) Audio CDs (CD-DA) * when using a USB CD drive
Save Song	Standard MIDI Files (Format 0)
<Others>	
Internal Songs	47 songs + 7 tone demos
Rated Power Output	40 W x 2
Speakers	20 cm x 2, 5 cm x 2
Display	20 characters, 2 lines LCD
Controls	Volume, Brilliance, LCD Contrast
Pedals	Damper (half-pedal recognition), Soft (half-pedal recognition, function assignable), Sostenuto (function assignable)
Other Functions	Panel Lock Playback Lock V-LINK Acoustic Position
Connectors	USB (MIDI) connector External memory connector (USB) Output jacks (L/Mono, R) Input jacks (L/Mono, R) Headphones jack x 2 (Stereo) MIDI connectors (IN, OUT) Pedal Connector AC inlet
Power Supply	AC 117 V, AC 230 V, AC 240 V (50/60 Hz)
Power Consumption	60 W
Dimensions	1,420 (W) x 730 (D) x 1,270 (H) mm (top opened) 56 (W) x 29 (D) x 50 (H) inches 1,420 (W) x 730 (D) x 890 (H) mm (top closed) 56 (W) x 29 (D) x 36 (H) inches
Weight	75 kg / 166 lbs
Accessories	Owner's Manual, Power Cord, Brackets

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

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Installing the Brackets

* *Please refer to "Leaflet For a Dealer or a Qualified Professional Installer (RG-1)."*

* *You will also need to have a Phillips screwdriver.*

1. **Remove the four caps attached to the rear leg.**

To remove a cap, grasp it, then pull it out while twisting it counterclockwise.

2. **Using screws "a" (M8 x 20 mm), provisionally attach the left and right brackets in the holes exposed by detaching the caps, and adjust the brackets so that they are firmly in contact with the floor.**

3. **After adjusting the brackets, tighten screws "a" to fasten the left and right brackets in place securely.**
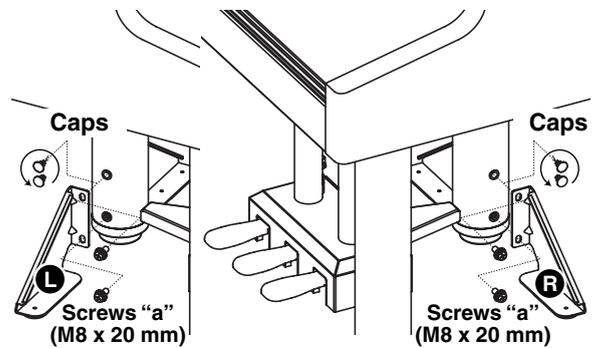
Information

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
9, EBN Hagar Al Askalany Street,
ARD E1 Golf, Heliopolis,
Cairo 11341, EGYPT
TEL: (022)-418-5531

REUNION
Maison FO - YAM Marcel
25 Rue Jules Hermann,
Chaudron - BP79 97 491
Ste Clotilde Cedex,
REUNION ISLAND
TEL: (0262) 218-429

SOUTH AFRICA
T.O.M.S. Sound & Music (Pty)Ltd.
2 ASTRON ROAD DENVER
JOHANNESBURG ZA 2195,
SOUTH AFRICA
TEL: (011)417 3400

Paul Bothner(PTY)Ltd.
Royal Cape Park, Unit 24
Londonderry Road, Ottery 7800
Cape Town, SOUTH AFRICA
TEL: (021) 799 4900

ASIA

CHINA
Roland Shanghai Electronics Co.,Ltd.
5F. No.1500 Pingliang Road
Shanghai 200090, CHINA
TEL: (021) 5580-0800

Roland Shanghai Electronics Co.,Ltd.
(BEIJING OFFICE)
10F. No.18 3 Section Anhuaxili
Chaoyang District Beijing
100011 CHINA
TEL: (010) 6426-5050

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

Parsons Music Ltd.
8th Floor, Railway Plaza, 39
Chatham Road South, T.S.T,
Kowloon, HONG KONG
TEL: 2333 1863

INDIA
Rivera Digitec (India) Pvt. Ltd.
411, Nirman Kendra
Mahalaxmi Flats Compound
Off. Dr. Edwin Moses Road,
Mumbai-400011, INDIA
TEL: (022) 2493 9051

INDONESIA
PT Citra IntiRama
Jl. Cideng Timur No. 15J-15O
Jakarta Pusat
INDONESIA
TEL: (021) 6324170

KOREA
Cosmos Corporation
1461-9, Seocho-Dong,
Seocho Ku, Seoul, KOREA
TEL: (02) 3486-8855

MALAYSIA
Roland Asia Pacific Sdn. Bhd.
45-1, Block C2, Jalan PJU 1/39,
Dataran Prima, 47301 Petaling
Jaya, Selangor, MALAYSIA
TEL: (03) 7805-3263

VIET NAM
Suoi Nhac Company, Ltd
370 Cach Mang Thang Tam St.
Dist.3, Ho Chi Minh City,
VIET NAM
TEL: 9316540

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

SINGAPORE
SWEE LEE MUSIC COMPANY PTE. LTD.
150 Sims Drive,
SINGAPORE 387381
TEL: 6846-3676

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

THAILAND
Theera Music Co. , Ltd.
100-108 Soi Verng
Nakornkasem, New
Road,Sumpantawongse,
Bangkok 10100 THAILAND
TEL: (02) 224-8821

AUSTRALIA/ NEW ZEALAND

AUSTRALIA/ NEW ZEALAND
Roland Corporation Australia Pty.,Ltd.
38 Campbell Avenue
Dee Why West. NSW 2099
AUSTRALIA

For Australia
Tel: (02) 9982 8266
For New Zealand
Tel: (09) 3098 715

CENTRAL/LATIN AMERICA

ARGENTINA
Instrumentos Musicales S.A.
Av.Santa Fe 2055
(1123) Buenos Aires
ARGENTINA
TEL: (011) 4508-2700

BARBADOS
A&B Music Supplies LTD
12 Webster Industrial Park
Wildey, St.Michael, Barbados
TEL: (246)430-1100

BRAZIL
Roland Brasil Ltda.
Rua San Jose, 780 Sala B
Parque Industrial San Jose
Cotia - Sao Paulo - SP, BRAZIL
TEL: (011) 4615 5666

CHILE
Comercial Fancy II S.A.
Rut.: 96.919.420-1
Nataniel Cox #739, 4th Floor
Santiago - Centro, CHILE
TEL: (02) 688-9540

COLOMBIA
Centro Musical Ltda.
Cra 43 B No 25 A 41 Bododega 9
Medellin, Colombia
TEL: (574)3812529

COSTA RICA
JUAN Bansbach Instrumentos Musicales
Ave.1. Calle 11, Apartado 10237,
San Jose, COSTA RICA
TEL: 258-0211

CURACAO
Zeelandia Music Center Inc.
Orionweg 30
Curacao, Netherland Antilles
TEL:(305)5926866

DOMINICAN REPUBLIC
Instrumentos Fernando Giraldez
Calle Proyecto Central No.3
Ens.La Esperilla
Santo Domingo,
Dominican Republic
TEL:(809) 683 0305

ECUADOR
Mas Musika
Rumichaca 822 y Zaruma
Guayaquil - Ecuador
TEL:(593-4)2302364

EL SALVADOR
OMNI MUSIC
75 Avenida Norte y Final
Alameda Juan Pablo II,
Edificio No.4010 San Salvador,
EL SALVADOR
TEL: 262-0788

GUATEMALA
Casa Instrumental
Calzada Roosevelt 34-01,zona 11
Ciudad de Guatemala
Guatemala
TEL:(502) 599-2888

HONDURAS
Almacen Pajaro Azul S.A. de C.V.
BO.Paz Barahona
3 Ave.11 Calle S.O
San Pedro Sula, Honduras
TEL: (504) 553-2029

MARTINIQUE
Musique & Son
Z.I.Les Mangle
97232 Le Lamantin
Martinique F.W.I.
TEL: 596 596 426860

Gigamusic SARL
10 Rte De La Folie
97200 Fort De France
Martinique F.W.I.
TEL: 596 596 715222

MEXICO
Casa Veerkamp, s.a. de c.v.
Av. Toluca No. 323, Col. Olivar
de los Padres 01780 Mexico
D.F. MEXICO
TEL: (55) 5668-6699

NICARAGUA
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