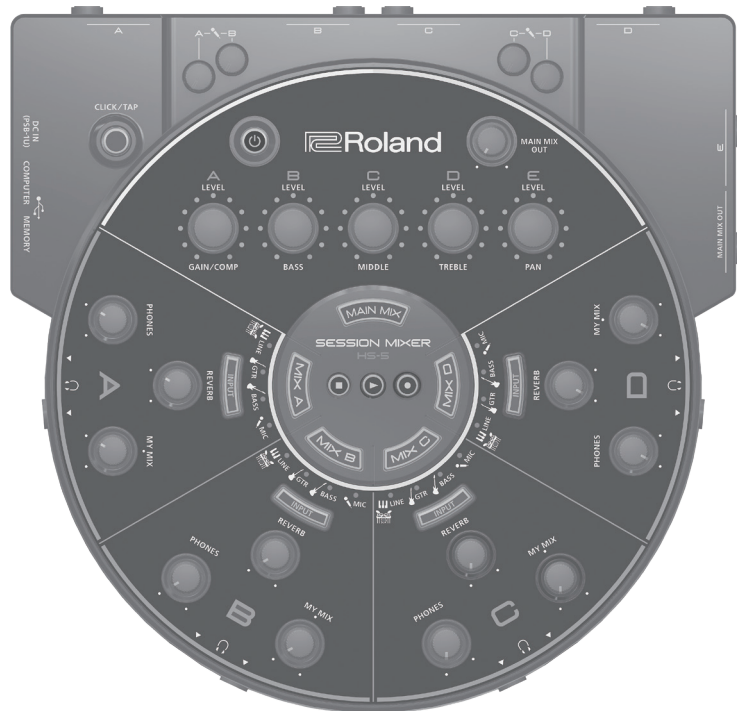




# SESSION MIXER HS-5 Owner's Manual



## Contents

<b>Panel Descriptions</b> .....	<b>2</b>	Recording and Playing Back a Performance .....	<b>8</b>
Top/Side Panel .....	<b>2</b>	Recording a Performance .....	<b>8</b>
Rear Panel .....	<b>2</b>	Playing Back the Performance .....	<b>8</b>
<b>Using the HS-5</b> .....	<b>3</b>	Making Detailed Settings.....	<b>9</b>
Making Connections.....	<b>3</b>	Sub-Mixer Settings .....	<b>9</b>
Basic Operation .....	<b>4</b>	Sharing Sub-Mixer Settings.....	<b>9</b>
Selecting the Input Type.....	<b>5</b>	Solo Function.....	<b>9</b>
Switching the Input Type.....	<b>5</b>	Saving and Loading Settings (Snapshot) ...	<b>10</b>
Switching the Effect (Amp Simulator /		Volume Limiter Settings .....	<b>10</b>
Effect) and Editing the Parameters .....	<b>5</b>	Connecting Two HS-5 Units.....	<b>11</b>
Adjusting the Headphone Output .....	<b>6</b>	Mounting on a Stand .....	<b>11</b>
Adjusting the Volume Balance Between		Connecting to a Computer .....	<b>11</b>
Your Performance and the Other		<b>USING THE UNIT SAFELY</b> .....	<b>12</b>
Performances (MY MIX) .....	<b>6</b>	Changing the AUTO OFF setting .....	<b>12</b>
Adjusting the Headphone Output Volume .	<b>6</b>	<b>IMPORTANT NOTES</b> .....	<b>12</b>
Sounding a Click .....	<b>6</b>	Returns the HS-5 to the factory-set	
Switching the Click On/Off and Setting the		condition (Factory Reset).....	<b>12</b>
Tempo.....	<b>6</b>	<b>Specifications</b> .....	<b>14</b>
Adjusting the click tone volume.....	<b>6</b>		
Applying Effects.....	<b>7</b>		
Applying Reverb .....	<b>7</b>		
Switching the Reverb Type and Editing the			
Parameters .....	<b>7</b>		

Before using this unit, carefully read the sections entitled "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (leaflet "USING THE UNIT SAFELY" and Owner's Manual (p. 12)). 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 of your new unit, read Owner's Manual in its entirety. This manual should be saved and kept on hand as a convenient reference.

Copyright © 2014 ROLAND CORPORATION

All rights reserved. No part of this publication may be reproduced in any form without the written permission of ROLAND CORPORATION.



# Panel Descriptions

## Top/Side Panel

**Ground terminal**  
Refer to "Ground terminal" (p. 12).

**DC IN jack**  
Connect the included AC adaptor here.

**COMPUTER port**  
Use this when connecting the HS-5 to your computer via a USB cable.

**MEMORY port**  
Connect a USB flash drive here.

**[CLICK/TAP] button**  
This turns the click on/off and specifies its tempo.

**Power button**  
This turns the power of the HS-5 on/off.

**Mic gain adjustment knobs**  
These adjust the mic gain (sensitivity) of sections A–D.

**[MAIN MIX OUT] knob**  
This adjusts the output volume of the MAIN MIX OUT L, R/headphone jacks.

**LINE IN L, R/STEREO jacks**  
Connect a line output device such as a keyboard or an audio player here.

**MAIN MIX OUT L, R/headphone jacks**  
The sound of sections A–E is mixed and output here.

**[A]–[E] knobs**  
These knobs adjust the mix balance of sections A–E. These knobs are also used to adjust the depth of the effect that's selected for the input type, and to adjust the tempo and volume of the click.

**Section A–D**  
You can connect headphones to each section, and adjust the volume balance between your own performance and the performances of the other musicians. You can also apply reverb or another suitable effect to your performance.

**[MAIN MIX] button**  
Press this when you want to adjust the volume balance of the main mixer.

**[MIX A–D] buttons**  
These buttons turn on the sub-mixer, allowing you to adjust the volume balance between your own performance and the performances of the other musicians.

**Record/Play buttons**  
Use these buttons to record your performance onto a USB flash drive, or to play back a recorded performance.

## Rear Panel

**Guitar(L/MONO)/R jacks**  
Here you can connect guitars, electronic drums, or other instruments. If you are connecting a guitar, turn the HS-5 on its back and turn on the [Hi-Z] switch (A–D) of your own section.

**MIC jacks**  
Here you can connect dynamic mics.

\* This instrument is equipped with balanced (XLR) type jacks. Wiring diagrams for these jacks are shown below. Make connections after first checking the wiring diagrams of other equipment you intend to connect.

2: HOT — 1: GND — 3: COLD

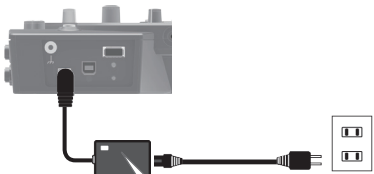
# Using the HS-5

## Making Connections


Connect the HS-5, the AC adaptor, mics, guitars, and other devices as shown in the connection examples.

### Turning the Power On/Off

1. Connect the included AC adaptor to the DC IN jack.



Place the AC adaptor so the side with the indicator (see illustration) faces upwards and the side with textual information faces downwards. The indicator will light when you plug the AC adaptor into an AC outlet.

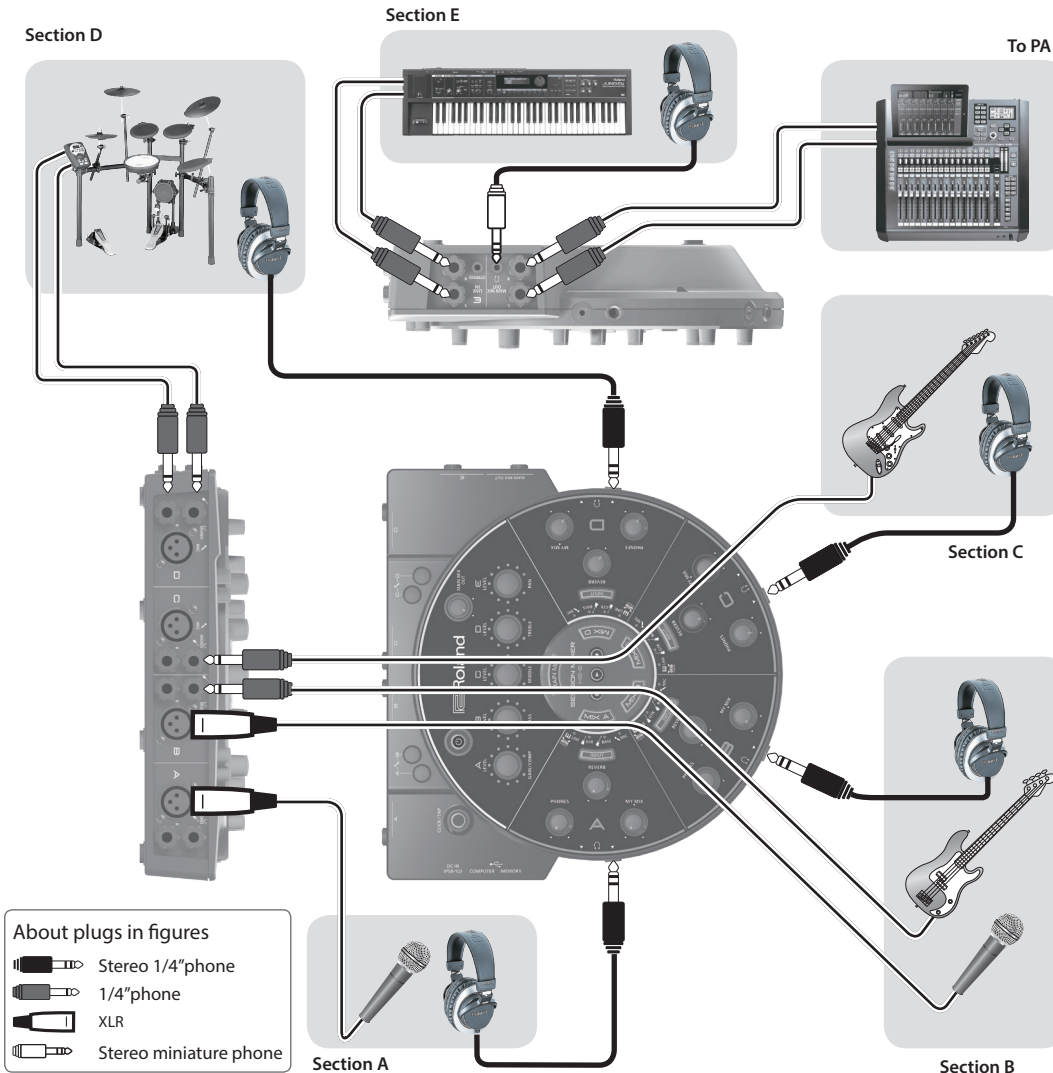
2. Make sure that the volume of all connected devices is at the minimum setting.
3. Connect your mics, guitars, and other equipment that you use when performing.
4. Hold down the  button to turn on the power of the HS-5.
5. Turn on the power of the connected devices.

\* This unit is equipped with a protection circuit. A brief interval (a few seconds) after turning the unit on is required before it will operate normally.





\* This device will automatically power-off (Auto Off function) if there is no USB connection and 600 minutes have elapsed since the last operation.

→ "About the Auto Off function" (p. 12)

To turn the power off, turn off the power of your equipment in the order of steps **5**, **4**, and **3**.




#### About plugs in figures

-  Stereo 1/4" phone
-  1/4" phone
-  XLR
-  Stereo miniature phone

### Connecting Your Equipment

The jacks and settings depend on the instruments you're using. Refer to the following instructions, and make the correct connections.

#### Connecting headphones

- Sections A–D have both 1/4" and stereo-mini headphone jacks. Use the jack that's appropriate for the type of connector of your headphones.
- For section E, you can connect headphones to the stereo-mini  jack in the MAIN MIX OUT section.

#### Connecting a dynamic mic

1. Turn the mic gain adjustment knob toward the left to the minimum setting.
2. Connect your dynamic mic to the mic input jack.

#### Connecting a guitar

1. On the bottom of the HS-5, turn the [Hi-Z] switch on.
2. Connect your instrument to the guitar (L/MONO) jack.



#### Connecting electronic drums or a synthesizer

1. On the bottom of the HS-5, turn the [Hi-Z] switch off.
2. Connect your instrument to the guitar (L/MONO) jack and R jack.



\* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

\* Once everything is properly connected, be sure to follow the procedure above to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.

\* Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.

\* When connection cables with resistors are used, the volume level of equipment connected to the inputs (MIC jacks Guitar (L/MONO)/R jack, LINE IN L, R/STEREO jacks) may be low. If this happens, use connection cables that do not contain resistors.

\* Acoustic feedback could be produced depending on the location of microphones relative to speakers. This can be remedied by:

- Changing the orientation of the microphone(s).
- Relocating microphone(s) at a greater distance from speakers.
- Lowering volume levels.

# Basic Operation


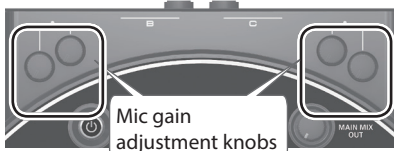
## 1 Adjusting the Input Level

Here's how to adjust the input level appropriately so that the vocal or instrumental sound is not distorted.

1. Set the [PHONES] knob and the [MY MIX] knob to the center position.
2. Adjust the input level so that the vocal or instrumental is not distorted

\* Adjust the knob so that the [LEVEL] knob (A-E) indicator of your section does not light red when you vocalize into the mic or play your instrument.

**Adjusting your mic**  
While vocalizing into the mic, adjust the mic gain knob of your own section.

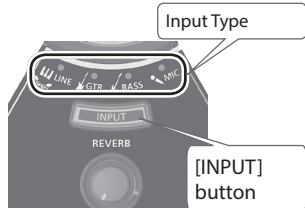



**Adjusting your guitar, keyboard, or drums**  
Increase or decrease the output volume of the instrument you're playing.

## 2 Selecting the Input Type

Use the [INPUT] button to select the input type.  
This lets you apply an effect that's suitable for each type.

\* If you don't want to apply an effect, choose "LINE."



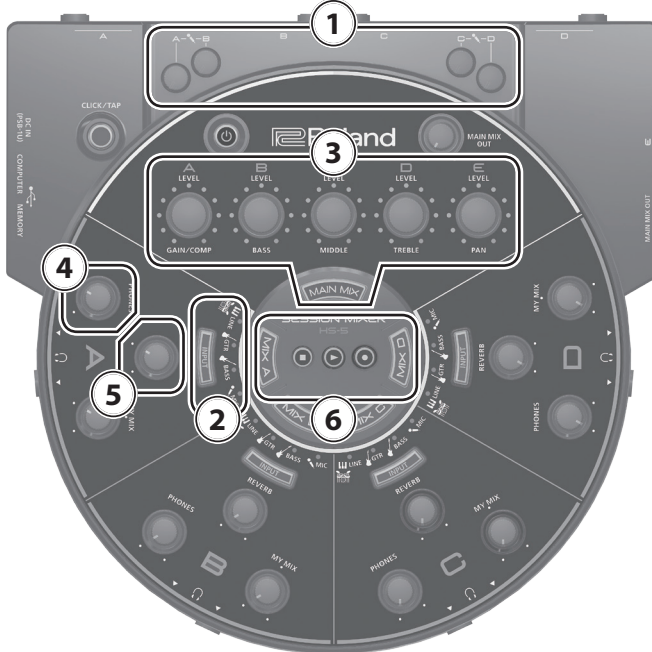
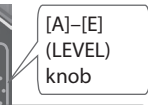
→ p. 5

## 3 Adjusting the Overall Volume Balance

Here's how to adjust the volume balance between all of the performers.

1. Press the [MAIN MIX] button to make it light.
2. Set the [A]-[E] knobs to the center position.
3. Turn the [A]-[E] knobs to adjust the volume of each section.


\* It is easier to adjust the overall volume if all performers are producing sound while you turn the knobs.

## 6 Performing and Recording Your Performance

The HS-5 can record your performance on a USB flash drive that's connected to the MEMORY port.


Button	Operation
	Stops playback or recording.
	Starts playback.
	Starts recording
	Selects the preceding data.
	Selects the next data.
	Rewind.
	Fast-forward.



→ p. 8

## 5 Applying Reverb

Use the [REVERB] knob to add reverb to the sound of the vocal or performance.

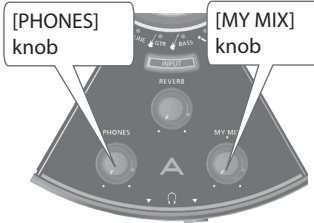


→ p. 7

## 4 Adjusting the Headphone Output

Use the [MY MIX] knob of each section to adjust the volume balance between your own performance and the performances of the other musicians, and use the [PHONES] knob to adjust the volume of the headphones.

\* The HS-5 is capable of producing high-volume output. Adjust the volume with care to avoid damaging your hearing



→ p. 6

## Selecting the Input Type

For each section, you can apply an amp simulator or effect that is suitable for guitar, bass, or vocal. You can also switch the effect as appropriate for your performance.

## Switching the Input Type

Press the [INPUT] button to switch the input type.



Type	Explanation
LINE	Lets you hear the unmodified sound of the instrument, without applying any effect.
GTR	Applies an amp simulator effect for guitar. Provides a natural resonance and fat distortion sound. The effect applies to the input signal from the (L/MONO)/R jacks.
BASS	Applies an amp simulator effect for bass. Boosts and fattens the low-frequency region. The effect applies to the input signal from the (L/MONO)/R jacks.
MIC	Applies an effect that's designed for vocals. Raises the loudness and improves the presence of the vocal. The effect applies to the input signal from the mic jack.

If you don't want to apply an effect to your guitar, bass, or vocal, choose "LINE." You can also change the effect that's applied. For details, refer to the following section.

## Switching the Effect (Amp Simulator / Effect) and Editing the Parameters

The HS-5 provides several amp simulators or effects for guitar, bass, and vocal. You can switch the effect as appropriate for your performance.

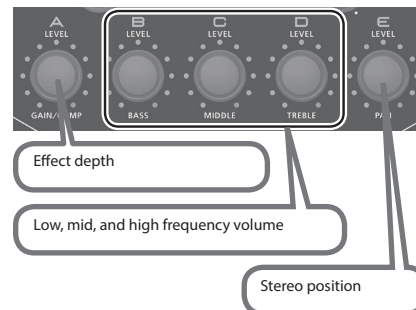
### Editing the parameters

Turn the [A]–[E] knobs to adjust the parameters of the selected amp simulator/effect. The parameters adjusted by each knob are printed below the knob.

1. Long-press the [INPUT] button of your own section.

The [INPUT] button blinks.

2. Use the [A]–[D] knob to edit the effect parameters.



## Switching the effect (amp simulator/effect)

You can switch the Input type effect as appropriate for your performance.

1. Press the [INPUT] button to switch the input type.
2. Long-press the [INPUT] button of your own section.
3. Hold down the [INPUT] button and turn knob [A] to switch the effect (amp simulator/effect) that's applied.

Type	indicators	Effect (amp simulator/effect)		
LINE	–	LINE	Lets you hear the unmodified sound of the instrument, without applying any effect.	
	1	JC-120	This models the sound of the Roland JC-120.	
	2	CLEAN TWIN	This models a Fender Twin Reverb.	
	3	TWEED	This models a Fender Bassman 4 x 10" Combo.	
	4	DELUXE CRUNCH	This models a Fender Deluxe Reverb.	
	5	VO DRIVE	This models the drive sound of a VOX AC-30TB. This is a sound that it suited to sixties-style British rock.	
	GTR	6	MS HIGAIN	High-gain sound of a vintage Marshall specially revamped in a way that is possible only with COSM modeling technology.
		7	BG LEAD	This models the lead sound of the MESA/ Boogie combo amp. The sound of a tube amp typical of the late '70s to '80s.
		8	MS1959 I+II	This models a Marshall 1959. The sound of connecting inputs I and II of the guitar amp in parallel.
		9	R FIER VNT	This models the sound of the Channel 2 VINTAGE Mode on the Mesa/Boogie DUAL Rectifier.
10		T AMP	This models a Hughes & Kettner Triamp AMP3.	
BASS	1	COMP BASS	Compressor for bass.	
	2	COMP SLAP	Compressor for slap bass.	
	3	AMP CLEAN	Clean sound suitable for bass.	
	4	AMP CRUNCH	Crunch sound with a natural distortion, suitable for bass.	
	5	AMP HIGAIN	High-gain sound suitable for bass.	
MIC	1	Compressor		
	2	Compressor + echo		
	3	Compressor + delay 1		
	4	Compressor + delay 2		
	5	Compressor + short delay		

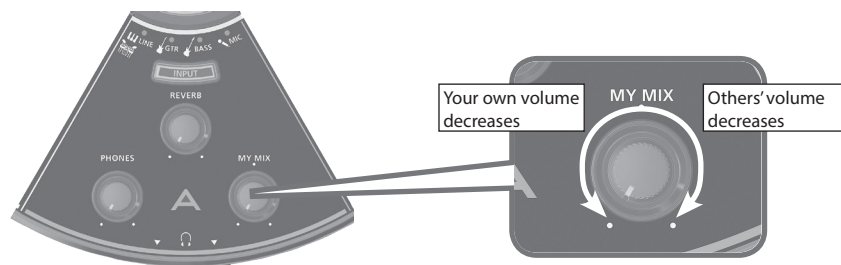
## Adjusting the Headphone Output

To adjust the headphone output, use the [PHONE] knob and [MY MIX] knob of each section.

## Adjusting the Volume Balance Between Your Performance and the Other Performances (MY MIX)

The headphones that are connected to sections A–D provide a mix of your own performance and the performances of the other musicians. Use the [MY MIX] knob to adjust the volume balance so that your own playing is easy to hear.

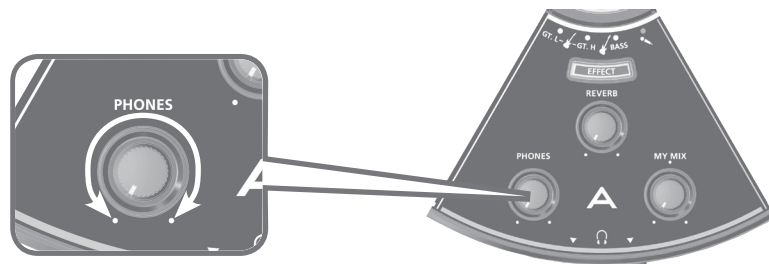
Turning the [MY MIX] knob toward the right decreases the volume of the others' performances; turning it toward the left decreases the volume of your own performance.



## Adjusting the Headphone Output Volume

When you've finished adjusting the volume balance, use the [PHONES] knob to adjust the output volume of the headphones.

\* The [PHONES] knob adjusts the volume while preserving the balance adjusted by the [MY MIX] knob.



## Sounding a Click

The HS-5 can sound a click tone while you perform. The volume of the click tone can be adjusted individually for each section. By default, the tempo is set to 120 BPM.

## Switching the Click On/Off and Setting the Tempo

### 1. Press the [CLICK/TAP] button.

The [CLICK/TAP] button blinks, and the click begins to sound.

### 2. Repeatedly tap (press) the [CLICK/TAP] button in time with the tempo of your song.

The click tone sounds at the tempo interval at which you tap the button.

\* The specified tempo is remembered even after you power-off the HS-5.

### Checking the tempo

The specified tempo is shown by how the indicators of the [A]–[C] knobs are lit.

### 1. Long-press the [CLICK/TAP] button.

The [A]–[C] knob indicators light to indicate the current tempo. You can also change the tempo by turning knobs [A]–[C].

Knob	Value indicated
[A]	100s place
[B]	10s place
[C]	1s place

(Example) Tempo 120.0 BPM



### 3. Press any button other than [CLICK/TAP] to exit the tempo setting.

The indicators of the [A]–[E] knobs return to their normal indication.

### 4. To stop the click tone, press the [CLICK/TAP] button.

The [CLICK/TAP] button goes dark.

## Adjusting the click tone volume

To adjust the volume of the click tone, hold down the [CLICK/TAP] button and turn your own section's ([A]–[E]) knob.

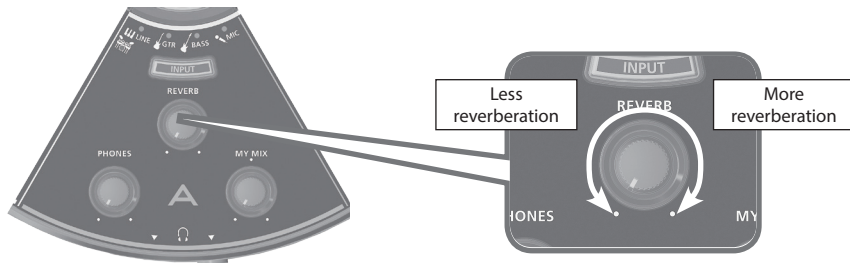
## Applying Effects

Each section of the HS-5 provides reverb to add reverberation to your vocal or performance, as well as effects for guitar, bass, and vocal.

## Applying Reverb

Adding reverb to your vocal or instrumental performance makes the sound smoother and improves the overall balance of your performance.

- \* If you add excessive reverb, your vocal or instrumental performance can become buried in the reverberation, making it indistinct. Start by applying only a small amount of reverberation, and make adjustments as needed.



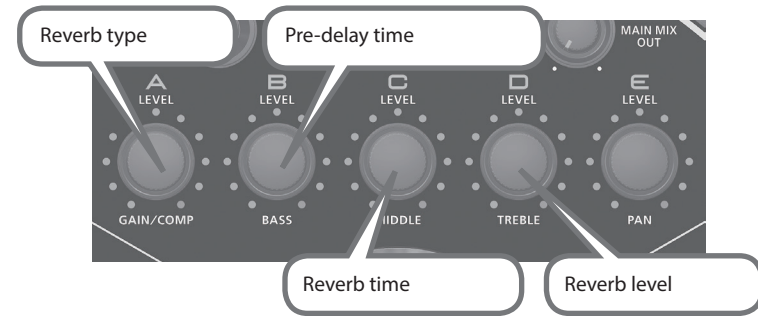
## Switching the Reverb Type and Editing the Parameters

The HS-5 lets you change the type of reverb and how it sounds.

1. Long-press the section B and section C [INPUT] buttons.

The [INPUT] button blinks.

2. Use the [A]–[D] knob to change the type and parameters.



Number of indicators	Reverb Type	Character
1	ECHO	Simulates an echo-like effect.
2	ROOM	Simulates the reverberation of a performance in a room.
3	SMALL HALL	Simulates the reverberation of a performance in a small hall.
4	LARGE HALL	Simulates the reverberation of a performance in a large hall.
5	PLATE	Simulates a plate echo (a reverb unit that uses the vibration of a metal plate).

## Recording and Playing Back a Performance

The HS-5 can record your performance on a USB flash drive connected to the MEMORY port.



Button	Operation
◻	Stops playback or recording.
▶	Starts playback.
●	Starts recording
◻ (Rapidly press (tap) twice)	Selects the preceding data.
◻ + ▶	Selects the next data.
◻ + [MIX A]	Rewind.
◻ + [MIX D]	Fast-forward.

### NOTE

The output of the main mixer is recorded.

The recording is not affected by the settings of each section's [PHONES] knob and [MY MIX] knob, nor by the setting of the [MAIN MIX OUT] knob.

## Recording a Performance

Here's how to record your performance onto a USB flash drive.

### 1. Connect your USB flash drive (sold separately) to the MEMORY port.

\* You must first use your computer to format the USB flash drive (FAT format).

All data on the USB flash drive is erased when you format it. If the USB flash drive contains data that you want to keep, make a backup before you proceed.

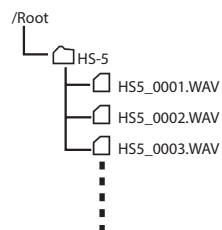
### 2. Press the **●** button to start recording your performance.

### 3. When you finish your performance, press the **◻** button to stop recording.

### About the recorded data

The data is recorded in 16-bit 44.1 kHz stereo WAV format. A single recording can contain up to 200 minutes.

The recorded data is stored on the USB flash drive in a folder named "HS-5" with the file name HS5\_\*\*\*\*.wav (\*\*\*\* is the order in which the recording is created).



## Playing Back the Performance

Here's how to play back a performance that you recorded on a USB flash drive, to listen to it or practice along with it.

### 1. Connect your USB flash drive (sold separately) to the MEMORY connector.

### 2. Select the data that you want to play back, and press the **▶** button.

### 3. To stop playback, press the **◻** button.

- If a click tone is sounding during playback, the click tone also stops.
- By holding down the [CLICK/TAP] button and pressing the **◻** button you can stop just the click tone.

### Adjusting the recording level and playback level

\* Normally there is no need to make these adjustments.

#### Adjusting the recording level

##### 1. Check the recording level.

If the sound distorts during recording, the **●** button blinks. Adjust the recording level.

##### 2. Adjust the recording level.

Hold down the **●** button and turn LEVEL knob [A] to adjust the level.



Factory-set value

#### Adjusting the playback level

If the playback volume is too high, you can adjust the playback level as follows.

##### 1. Adjust the playback level.

Hold down the **▶** button and turn LEVEL knob [A] to adjust the level.



## Making Detailed Settings

Here are some more advanced ways to use the HS-5.

### Sub-Mixer Settings

The HS-5 has a main mixer and four sub-mixers (MIX A–D). The sub-mixers are independent of the main mixer; each performer can individually adjust their own sub-mixer for more comfortable performing.

#### Examples of using the sub-mixers

Suppose that you are a bassist using section B, and the drummer is using section D. If you (section B) want the drums (section D) to be louder, but the drummer doesn't want to change the main mixer settings (balance), you can use the sub-mixer to keep both sides happy.

1. Press the [MIX A–D] button of the section whose sub-mixer you're adjusting, making the button light.

If there is a section whose sub-mixer settings you've already adjusted, the [MIX A–D] button is lit dimly.

2. Use the [A]–[E] knobs to adjust the volume balance of each section.

To stop using the sub-mixer, make the [MIX A–D] button light and then press the button once again to make it go dark.

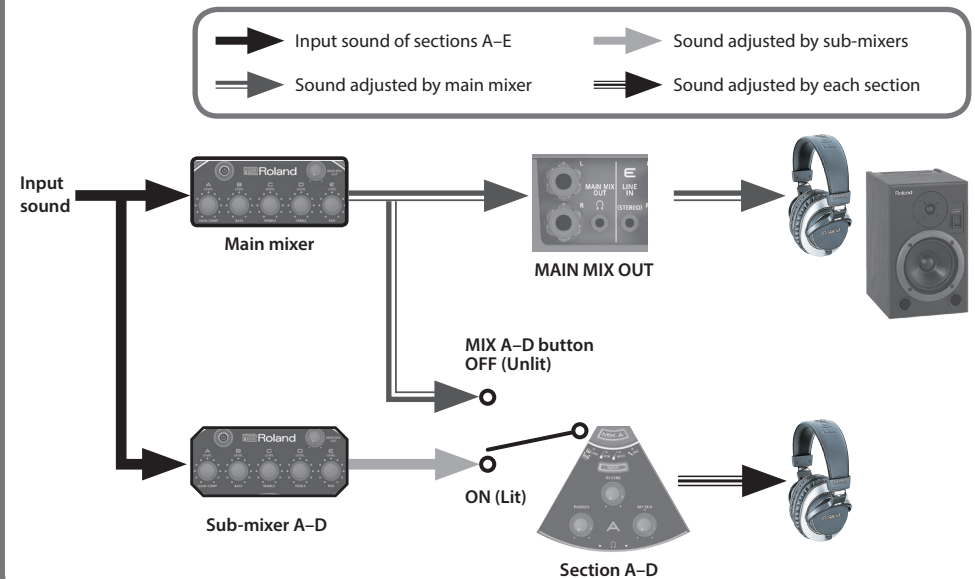


#### About the [MIX A–D] button illumination

When you're adjusting the sub-mixer settings, the [MIX A–D] buttons are illuminated to indicate the status of the sub-mixer settings.

[MIX A–D] button status	Explanation
Lit	The sub-mixer is on, and can be adjusted by the [A]–[E] knobs.
Dimly lit	The sub-mixer is on, and can not be adjusted by the [A]–[E] knobs. * If the sub-mixer settings are being shared, this can be made the share-source.
Unlit	The sub-mixer is off.
Blinking	The solo function is active.

#### Signal Flow



### Sharing Sub-Mixer Settings

Multiple sections can share a single sub-mixer. By sharing a sub-mixer, the sub-mixer settings of section A can be used by sections B and C as well.

1. Hold down the [MIX A–D] button of your own section, and press the [MIX A–D] button (dimly lit) of the share-source section.

The sub-mixer of the share-source is assigned to your own section.

\* You can't share settings from an unlit [MIX A–D] button.

\* To cancel sharing, press the [MIX A–D] button of the section that you want to cancel, making that button light; then press the button once again to make it go dark.

### Solo Function

This function lets you hear only the performance of your own section. While you are using the solo function, your sound is no longer output to the other sections. This function is useful when you want to tune your instrument or to practice individually.


To activate the solo function, long-press the [MIX A–D] button of your own section to make the button blink.

## Saving and Loading Settings (Snapshot)


You can use the snapshot function to save the current settings on a USB flash drive. This is a useful way to easily save your settings for later reuse if you practice in different locations or at different times.

\* Snapshot function can save one current settings on a USB flash drive.


### Saving your settings

1. Connect your USB flash drive (sold separately) to the MEMORY port.
2. Long-press the section C and section D [INPUT] buttons.
3. Press the  button to save/overwrite-save the settings.

When the button stops blinking, the settings have been saved. The HS-5 then returns to its normal state.

\* If you decide to return to the normal state without saving/overwrite-saving, press the  button.

### Loading your settings

1. Connect your USB flash drive (sold separately) to the MEMORY port.
2. Press the section C and section D [INPUT] buttons.
3.  button to loading the settings.

When the button stops blinking, the settings have been loaded. The HS-5 then returns to its normal state.

\* If you want to return to the normal state without loading, press the  button

## Volume Limiter Settings

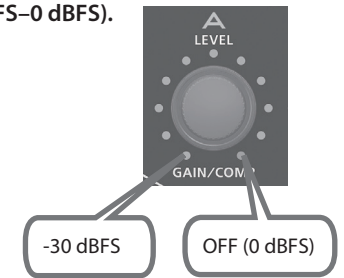
The HS-5 lets you limit the maximum volume that can be output.

\* By default, the output volume is not limited, allowing you to hear the performance at high volume (volume limiter: off → 0 dBFS).

1. Long-press the section B and section D [INPUT] buttons.

The [INPUT] buttons blink.

2. Use the [A] knob to specify the maximum volume (-30 dBFS–0 dBFS).



## Connecting Two HS-5 Units

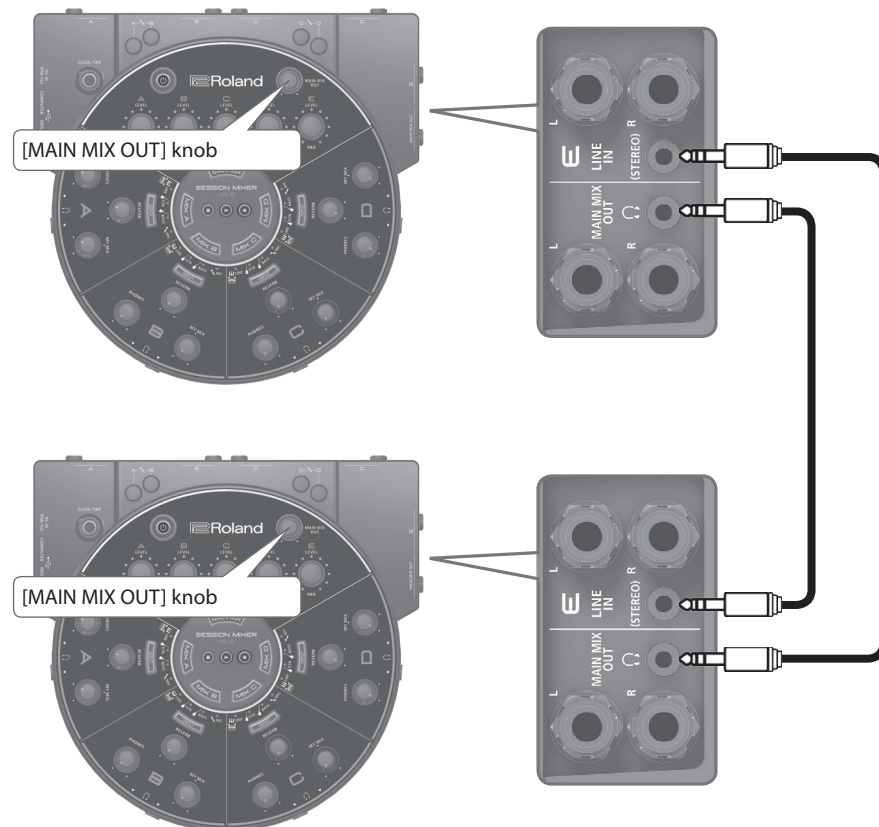
You can connect two HS-5 units so that up to eight people can perform simultaneously.

### 1. On the bottom of each HS-5 unit, turn the [LINK] switch ON.

- \* When the [LINK] switch is ON, the [MAIN MIX OUT] knob is disabled.
- \* When the [LINK] switch is OFF, the [MAIN MIX OUT] knob is enabled. Since high volumes may occur depending on the settings of the knobs, you should turn down the [MAIN MIX OUT] knob before you turn the [LINK] switch OFF.

### 2. Using two stereo-mini cables, connect the section E STEREO jack (input) of each unit to the MAIN MIX OUT headphone jack (output) of the other unit.

- \* The output from the second HS-5 is input by mixing it into section E.



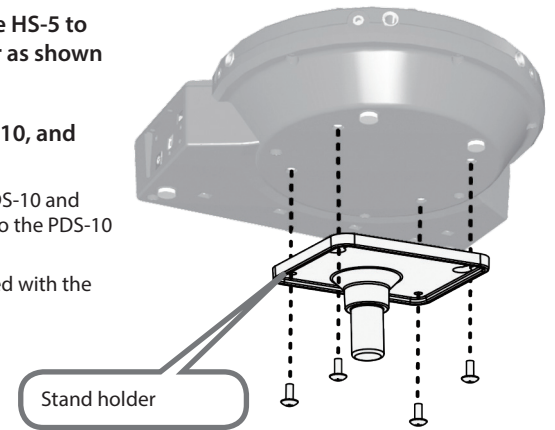
## Mounting on a Stand

You can mount the HS-5 on a stand (sold separately: PDS-10) for use.

### 1. Use the screws on the bottom of the HS-5 to attach it to the PDS-10 stand holder as shown in the illustration.

### 2. Attach the stand holder to the PDS-10, and fasten it.

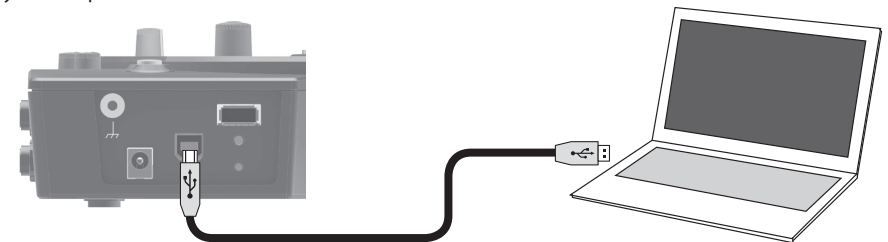
- \* For details on how to assemble the PDS-10 and how to attach the stand holder, refer to the PDS-10 owner's manual.
- \* Do not use the screws that are included with the pad stand.



## Connecting to a Computer

You can use a commercially available USB 2.0 cable to connect the HS-5 to your computer, and use recording/playback software (DAW) on your computer to record your performance. This allows you to record sections A–E as individual tracks (multi-track recording), or to record the mixed sound of sections A–E (MAIN MIX).

In addition to recording, you can also use the HS-5 to hear stereo songs or audio that's played back from your computer.



- \* You must install the USB driver before connecting the HS-5 to your computer. Download the USB driver from the Roland website. For details, refer to Readme.htm which is included in the download.

**Roland website :** <http://www.roland.com/support/>

- \* For details on DAW settings and recording procedure, refer to the owner's manual of your DAW.

# USING THE UNIT SAFELY

## WARNING

### To completely turn off power to the unit, pull out the plug from the outlet

Even with the power switch turned off, this unit is not completely separated from its main source of power. When the power needs to be completely turned off, turn off the power switch on the unit, then pull out the plug from the 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.



### About the Auto Off function

This device will automatically power-off (Auto Off function) if there is no USB connection and 600 minutes have elapsed since the last operation. If you don't want the power to turn off automatically, you can disable the Auto Off function.



## Changing the AUTO OFF setting

### 1. Long-press the section B and section D [EFFECT] buttons.

The [EFFECT] buttons blink.

### 2. Use the [B] knob to turn AUTO OFF on (all indicators lit) or off (only the left indicator lit).

#### NOTE

- Any settings that you are in the process of editing will be lost when the power is turned off. If you have any settings that you want to keep, you should save them beforehand.
- To restore power, turn the power on again (p. 3).

### Use only the stand that is recommended

This unit should be used only with a stand that is recommended by Roland.



### Do not place in a location that is unstable

When using the unit with a stand recommended by Roland, the stand must be carefully placed so it is level and sure to remain stable. If not using a stand, you still need to make sure that any location you choose for placing the unit provides a level surface that will properly support the unit, and keep it from wobbling.



## WARNING

### Precautions regarding placement of this unit on a stand

Be sure to follow the instructions in the Owner's Manual carefully when placing this unit on a stand (p. 11).

If it is not set up properly, you risk creating an unstable situation which could lead to the unit falling or the stand toppling, and may result in injury.



### Use only the supplied AC adaptor and the correct voltage

Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.



### Use only the supplied power cord

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



## CAUTION

### Use only the specified stand(s)

This unit is designed to be used in combination with specific stands (PDS-10) manufactured by Roland. If used in combination with other stands, you risk sustaining injuries as the result of this product dropping down or toppling over due to a lack of stability.



### Evaluate safety issues before using stands

Even if you observe the cautions given in the owner's manual, certain types of handling may allow this product to fall from the stand, or cause the stand to overturn. Please be mindful of any safety issues before using this product.



### Keep small items out of the reach of children

To prevent accidental ingestion of the parts listed below, always keep them out of the reach of small children.

- Removable Parts
- Screw for attaching the PDS-10 (p. 11)



### Handle the ground terminal carefully

If you remove the screw from the ground terminal, be sure to replace it; don't leave it lying around where it could accidentally be swallowed by small children. When refastening the screw, make that it is firmly fastened, so it won't come loose.



# IMPORTANT NOTES

## Placement

- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface. You can place a piece of felt or cloth under the rubber feet to prevent this from happening. If you do so, please make sure that the unit will not slip or move accidentally.

## Ground terminal

- Depending on the circumstances of a particular setup, you may experience a discomforting sensation, or perceive that the surface feels gritty to the touch when you touch this device, microphones connected to it, or the metal portions of other objects, such as guitars. This is due to an infinitesimal electrical charge, which is absolutely harmless. However, if you are concerned about this, connect the ground terminal (see figure) with an external ground. When the unit is grounded, a slight hum may occur, depending on the particulars of your installation. If you are unsure of the connection method, contact the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. Unsuitable places for connection
  - Water pipes (may result in shock or electrocution)
  - Gas pipes (may result in fire or explosion)
  - Telephone-line ground or lightning rod (may be dangerous in the event of lightning)

## Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.

## Additional Precautions

- When turning the unit over, be careful so as to protect the buttons and knobs from damage. Also, handle the unit carefully; do not drop it.
- Never turn off the power or disconnect a USB flash drive or USB cable during recording or while the HS-5 is connected to a computer.
- Roland assumes no liability concerning the restoration of any stored content that has been lost.

## Using External Memories

- Please observe the following precautions when handling external memory devices. Also, make sure to carefully observe all the precautions that were supplied with the external memory device.
  - Do not remove the device while reading/writing is in progress.
  - To prevent damage from static electricity, discharge all static electricity from your person before handling the device.
- Carefully insert the USB flash drives all the way in—until it is firmly in place.

## Copyright

- It is forbidden by law to make an audio recording, video recording, copy or revision of a third party's copyrighted work (musical work, video work, broadcast, live performance, or other work), whether in whole or in part, and distribute, sell, lease, perform, or broadcast it without the permission of the copyright owner.
- Do not use this product for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this product.

## Licenses/Trademarks

- MMP (Moore Microprocessor Portfolio) refers to a patent portfolio concerned with microprocessor architecture, which was developed by Technology Properties Limited (TPL). Roland has licensed this technology from the TPL Group.
- ASIO is a trademark and software of Steinberg Media Technologies GmbH.
- This product contains eCROS integrated software platform of eSOL Co., Ltd. eCROS is a trademark of eSOL Co., Ltd. in Japan.
- Roland is an either registered trademark or trademark of Roland Corporation in the United States and/or other countries.
- Company names and product names appearing in this document are registered trademarks or trademarks of their respective owners.

## Returns the HS-5 to the factory-set condition (Factory Reset)

You can reset the HS-5 to its factory-set condition by turning the power on with holding down the section A and B [EFFECT] buttons simultaneously.

#### NOTE

When you execute this factory reset, all settings of the HS-5 are initialized. If you want to keep your settings, you must first save them as described in "Saving and Loading Settings (Snapshot)" (p. 10).

For the U.K.

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

BLUE: NEUTRAL  
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:  
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.  
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.  
Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

For the USA

## DECLARATION OF CONFORMITY Compliance Information Statement

Model Name : HS-5  
Type of Equipment : AUDIO MIXER  
Responsible Party : Roland Corporation U.S.  
Address : 5100 S. Eastern Avenue Los Angeles, CA 90040-2938  
Telephone : (323) 890-3700

For the USA

## FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

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

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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment requires shielded interface cables in order to meet FCC class B limit.  
Any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Canada

CAN ICES-3 (B)/NMB-3 (B)

For Korea

## 사용자 안내문

기종별	사용자 안내문
B 급 기기 (가정용 방송통신기자재)	이 기기는 가정용(B 급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

For C.A. US (Proposition 65)

## WARNING

This product contains chemicals known to cause cancer, birth defects and other reproductive harm, including lead.



For EU Countries



**UK** This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region. Products bearing this symbol must not be discarded together with household waste.

**DE** Dieses Symbol bedeutet, dass dieses Produkt in EU-Ländern getrennt vom Hausmüll gesammelt werden muss gemäß den regionalen Bestimmungen. Mit diesem Symbol gekennzeichnete Produkte dürfen nicht zusammen mit den Hausmüll entsorgt werden.

**FR** Ce symbole indique que dans les pays de l'Union européenne, ce produit doit être collecté séparément des ordures ménagères selon les directives en vigueur dans chacun de ces pays. Les produits portant ce symbole ne doivent pas être mis au rebut avec les ordures ménagères.

**IT** Questo simbolo indica che nei paesi della Comunità europea questo prodotto deve essere smaltito separatamente dai normali rifiuti domestici, secondo la legislazione in vigore in ciascun paese. I prodotti che riportano questo simbolo non devono essere smaltiti insieme ai rifiuti domestici. Ai sensi dell'art. 13 del D.Lgs. 25 luglio 2005 n. 151.

**ES** Este símbolo indica que en los países de la Unión Europea este producto debe recogerse aparte de los residuos domésticos, tal como está regulado en cada zona. Los productos con este símbolo no se deben depositar con los residuos domésticos.

**PT** Este símbolo indica que nos países da UE, a recolha deste produto deverá ser feita separadamente do lixo doméstico, de acordo com os regulamentos de cada região. Os produtos que apresentem este símbolo não deverão ser eliminados juntamente com o lixo doméstico.

**NL** Dit symbool geeft aan dat in landen van de EU dit product gescheiden van huishoudelijk afval moet worden aangeboden, zoals bepaald per gemeente of regio. Producten die van dit symbool zijn voorzien, mogen niet samen met huishoudelijk afval worden verwijderd.

**DK** Dette symbol angiver, at i EU-lande skal dette produkt opsamles adskilt fra husholdningsaffald, som defineret i hver enkelt region. Produkter med dette symbol må ikke smides ud sammen med husholdningsaffald.

**NO** Dette symbolet indikerer at produktet må behandles som spesialavfall i EU-land, iht. til retningslinjer for den enkelte regionen, og ikke kastes sammen med vanlig husholdningsavfall. Produkter som er merket med dette symbolet, må ikke kastes sammen med vanlig husholdningsavfall.

**SE** Symbolen anger att i EU-länder måste den här produkten kasseras separat från hushållsavfall, i enlighet med varje regions bestämmelser. Produkter med den här symbolen får inte kasseras tillsammans med hushållsavfall.

**FI** Tämä merkintä ilmaisee, että tuote on EU-maissa kerättävä erillään kotitalousjätteistä kunkin alueen voimassa olevien määräysten mukaisesti. Tällä merkinnällä varustettuja tuotteita ei saa hävittää kotitalousjätteiden mukana.

**HU** Ez a szimbólum azt jelenti, hogy az Európai Unióban ez a termék a háztartási hulladéktól elkülönítve, az adott régióban érvényes szabályozás szerint kell gyűjtetni. Az ezzel a szimbólummal ellátott termékeket nem szabad a háztartási hulladékok közé dobni.

**PL** Symbol oznacza, że zgodnie z regulacjami w odpowiednim regionie, w krajach UE produktu nie należy wyrzucać z odpadami domowymi. Produktów opatrzonych tym symbolem nie można utylizować razem z odpadami domowymi.

**CZ** Tento symbol udává, že v zemích EU musí být tento výrobek sbíráán odděleně od domácího odpadu, jak je určeno pro každý region. Výrobky nesoucí tento symbol se nesmí vyhadzovat spolu s domácím odpadem.

**SK** Tento symbol vyjadruje, že v krajinách EÚ sa musí zber tohto produktu vykonávať oddelene od domového odpadu, podľa nariadení platných v konkrétnej krajine. Produkty s týmto symbolom sa nesmú vyhadzovať spolu s domovým odpadom.

**EE** See sümbol näitab, et EL-i maades tuleb see toode olemprigist eraldi koguda, nii nagu on igas piirkonnas määratletud. Selle sümboliga märgitud tooteid ei tohi ära visata koos olmeprügiga.

**LT** Šis simbolis rodo, kad ES šalyse šis produktas turi būti surenkamas atskirai nuo buitinių atliekų, kaip nustatyta kiekviename regione. Šiuo simboliu paženklinoti produktai neturi būti išmetami kartu su buitiniemis atliekomis.

**LV** Šis simbols norāda, ka ES valstīs šo produktu jāievā atsevišķi no mājsaimecības atkritumiem, kā noteikts katrā reģionā. Produkts ar šo simbolu nedrīkst izmest kopā ar mājsaimecības atkritumiem.

**SI** Ta simbol označuje, da je treba proizvod v državah EU zbirati ločeno od gospodinjjskih odpadkov, tako kot je določeno v vsaki regiji. Proizvoda s tem znakom ni dovoljeno odlagati skupaj z gospodinjjskimi odpadki.

**GR** Το σύμβολο αυτό υποδηλώνει ότι στις χώρες της Ε.Ε. το συγκεκριμένο προϊόν πρέπει να συλλέγεται χωριστά από τα υπολοιπα οικιακά απορρίμματα, σύμφωνα με όσα προβλέπονται σε κάθε περιοχή. Τα προϊόντα που φέρουν το συγκεκριμένο σύμβολο δεν πρέπει να απορρίπτονται μαζί με τα οικιακά απορρίμματα.

For China

## 有关产品中所含有害物质的说明

本资料就本公司产品中所含的特定有害物质及其安全性予以说明。

本资料适用于 2007 年 3 月 1 日以后本公司所制造的产品。

### 环保使用期限



此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年限。所谓环保使用期限是指在自制造日起的规定的期限内，产品中所含的有害物质不致引起环境污染，不会对人身、财产造成严重的不良影响。环保使用期限仅在遵照产品使用说明书，正确使用产品的条件下才有效。不当的使用，将会导致有害物质泄漏的危险。

### 产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
外壳(壳体)	×	○	○	○	○	○
电子部件(印刷电路板等)	×	○	×	○	○	○
附件(电源线、交流适配器等)	×	○	○	○	○	○

○: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。

因根据现有的技术水平, 还没有什么物质能够代替它。

# Specifications

## Roland HS-5: AUDIO MIXER

### [Processing]

- Sampling Frequency  
44.1 kHz

- Signal Processing  
AD/DA conversion: 24 bits

### [Recorder]

- Tracks  
2 tracks (stereo)

- Recording Mode  
USB flash drive: WAV (44.1 kHz, 16 bits)

- Recording Media  
USB flash drive (512 MB–32 GB)

- Recording Time (unit: hour)  
2 GB: 3  
4 GB: 6  
8 GB: 12  
16 GB: 24  
32 GB: 48

\* Each recording time is approximate. The times may change depending on the card specifications.

\* In case that there are plural files, the sum of recording time would be shorter than above.

\* Maximum recording time of one song is 200 minutes.

- Recording Songs  
Up to 512 songs on a single USB flash drive

### [Effects]

- Guitar  
Amp: 10 types

- Bass  
Amp: 5 types

- Vocal  
Compressor, Equalizer, Delay

Reverb: 5 types

### [Input/Output]

- Audio Input  
Section A-D = MIC jacks: XLR type (balanced), INPUT L/R jacks: 1/4-inch phone type (unbalanced) \*1

Section E = INPUT L/R jacks: 1/4-inch phone type (unbalanced), Stereo miniature phone type

\*1 INPUT L jack supports high impedance

- Audio Output  
Section A-D = PHONES jacks: Stereo 1/4-inch phone type, Stereo miniature phone type  
MAIN MIX OUT = PHONES jacks: Stereo miniature phone type, OUTPUT L/R jacks: 1/4-inch phone type (unbalanced)

- Frequency Response  
20 Hz-20 kHz (+0 dB/-2 dB)

### [Other]

- Dimensions  
257 (W) x 248 (D) x 68 (H) mm  
10-1/8 (W) x 9-13/16 (D) x 2-11/16 (H) inches

- Weight (excluding AC Adaptor)  
1.1 kg  
2 lbs 7 oz

- Power Supply  
AC adaptor

- Current Draw  
1.2 A

- Accessories  
Owner's manual  
Leaflet "USING THE UNIT SAFELY"  
AC adaptor  
Power Cord

- Options (sold separately)  
Stand: Roland PDS-10

\* 0 dBu = 0.775 Vrms

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

## Information

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

### AFRICA

#### REUNION

**MARCEL FO-YAM Sarl**  
25 Rue Jules Hermann,  
Chaudron - BP79 97 491  
Ste Clotilde Cedex,  
REUNION ISLAND  
TEL: (0262) 218-429

#### SOUTH AFRICA

**Paul BothnerPTY/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.**  
Roland Shanghai Electronics Co., Ltd.  
Yanagui Shanghai 200990, CHINA  
TEL: (021) 5580-0800  
Toll Free: 4007-888-010

**Roland Shanghai Electronics Co., Ltd. (BEIJING OFFICE)**  
3F, Soluxe Fortune Building  
63 West Dawang Road,  
Chaoyang Beijing, CHINA  
TEL: (010) 5960-2565/0777  
Toll Free: 4007-888-010

#### HONG KONG

**Tom Lee Music**  
11/F Silvercord Tower 1  
30 Canton Rd  
Tsimshatsui, Kowloon,  
HONG KONG  
TEL: 852-2737-7688

**Parsons Music Ltd.**  
8th Floor, Railway Plaza, 39  
Chatham Road South, T.S.T.,  
Kowloon, HONG KONG  
TEL: 852-2333-1863

#### 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**  
Ruko Garden Shopping Arcade  
Unit 8 GR, Podomoro City  
Jl. Letjend. S. Parman Kav.28  
Jakarta Barat 11470, INDONESIA  
TEL: (021) 5698-5519/5520

#### KAZAKHSTAN

**Alatau Dybystary**  
141 Abylak-Khan ave, 1st floor,  
050000 Almaty, KAZAKHSTAN  
TEL: (727) 2725477  
FAX: (727) 2720730

#### KOREA

**Cosmos Corporation**  
27, Banpo-daero, Seocho-gu,  
Seoul, KOREA  
TEL: (02) 3486-8855

#### MALAYSIA/SINGAPORE

**Roland Asia Pacific Sdn. Bhd.**  
45-1, Block C2, Jalan PJU 1/39,  
Dataran Prima, 47301 Petaling  
Jaya, Selangor, MALAYSIA  
TEL: (03) 7805-3263

#### PHILIPPINES

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

#### TAIWAN

**ROLAND TAIWAN ENTERPRISE CO., LTD.**  
9F-5, No. 112 Chung Shan  
North Road Sec. 2 Taipei 104,  
TAIWAN R.O.C.  
TEL: (02) 2961 3339

#### THAILAND

**Theera Music Co., Ltd.**  
100-108 Soi Veerm  
Nakornkasem, New Road,  
Sumpantawong, Bangkok  
10100, THAILAND  
TEL: (02) 224-8821

#### VIET NAM

**VIET THUONG CORPORATION**  
386 CACH MANG THANG TAM ST.  
DIST.3, HO CHI MINH CITY,  
VIET NAM  
TEL: (08) 9316540

### CARIBBEAN

#### BARBADOS

**ABB Music Supplies LTD**  
12 Webster Industrial Park  
Wildy, St. Michael, BARBADOS  
TEL: (246) 430-1100

#### CURACAO

**ZeeLandia Music Center Inc.**  
Orionweg 30  
Curacao, Netherland Antilles  
TEL: (805) 5926866

#### DOMINICAN REPUBLIC

**Instrumentos Fernando Giraldez**  
Calle Roberto Pastoriza #325  
Sanchez Naco Santo Domingo,  
DOMINICAN REPUBLIC  
TEL: (809) 683 0305

#### MARTINIQUE

**Musique & Son**  
Z. Les Mangle  
97232 Le Lamentin,  
MARTINIQUE F.W.I.  
TEL: 596 596 426860

#### TRINIDAD

**AMR Ltd**  
Ground Floor  
Maritime Plaza  
Barataria TRINIDAD W.I.  
TEL: (868) 638 6385

### CENTRAL/SOUTH AMERICA

#### ARGENTINA

**Instrumentos Musicales S.A.**  
Av. Santa Fe 2055  
(1123) Buenos Aires, ARGENTINA  
TEL: (011) 4508-2700

#### BRAZIL

**Roland Brasil Ltda.**  
Rua San Jose, 211  
Parque Industrial San Jose  
Cotia - Sao Paulo - SP, BRAZIL  
TEL: (011) 4615 5666

#### CHILE

**Comercial Fancy II S.A.**  
Rut.: 96.919.420-1  
Nataaniel Cox #739, 4th Floor  
Santiago - Centro, CHILE  
TEL: (02) 384-2180

#### COLOMBIA

**CENTRO MUSICAL S.A.S.**  
Parque Industrial del Norte  
Bodega 130  
GIRARDOTIA - ANTIOQUIA,  
COLOMBIA  
TEL: (454) 57 77 EXT 115

#### COSTA RICA

**JUAN BANSBACH Instrumentos Musicales**  
Ave. 1, Calle 11, Apartado 10237,  
San Jose, COSTA RICA  
TEL: 258-0211

#### ECUADOR

**Mas Musica**  
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**  
Calleiza Roosevelt 34-01, zona  
11 Ciudad de Guatemala,  
GUATEMALA  
TEL: (502) 599-2888

#### HONDURAS

**Almaceo Pajaro Azul S.A. de C.V.**  
80.Paz Barahona  
3 Ave.11 Calle S.O  
San Pedro Sula, HONDURAS  
TEL: (504) 553-2029

#### NICARAGUA

**Bansbach Instrumentos Musicales Nicaragua**  
Altamira D'Este Calle Principal  
de la Farmacia 5ta Avenida  
1 Ciudad al Lago 5903  
Managua, NICARAGUA  
TEL: (505) 277-2557

#### PANAMA

**SUPRO MUNDIAL, S.A.**  
Boulevard Andrews, Albrook,  
Panama City, REP. DE PANAMA  
TEL: 315-0101

#### PARAGUAY

**WORLD MUSIC**  
Jebel Center 2018, Centro  
CIUDAD DE ESTE, PARAGUAY  
TEL: (595) 615 059

#### PERU

**AUDIONET DISTRIBUCIONES MUSICALES SAC**  
Jr. Ramon Dagnino N°201- Jesús  
María  
DISTRITO DE JESUS MARIA  
LIMA, PERU  
TEL: 9 983 47 301 - 51 433 80 83

#### URUGUAY

**Todo Musica S.A.**  
Francisco Acuna de Figueroa  
1771  
C.P.: 11.800  
Montevideo, URUGUAY  
TEL: (02) 924-2335

#### VENEZUELA

**Instrumentos Musicales Allegro, C.A.**  
Avlas industrias edf.Guitar  
import #7 zona Industrial de  
Turumo Caracas, VENEZUELA  
TEL: (212) 244-1122

### EUROPE

#### BELGIUM/FRANCE/HOLLAND/LUXEMBOURG

**Roland Central Europe N.V.**  
Houtstraat 3, B-2260, Oevel  
(Westerlo) BELGIUM  
TEL: (014) 575811

#### BOSNIA AND HERZEGOVINA

**Mix-AP Music**  
78000 Banja Luka, Veselina  
Maslese 3,  
BOSNIA AND HERZEGOVINA  
TEL: 65 403 168

#### CROATIA

**ART-CENTAR**  
Degenova 3  
HR - 10000 Zagreb, CROATIA  
TEL: (1) 466 8493

#### EUROMUSIC AGENCY

K. Racina 1/15  
HR - 40000 CAKOVEC, CROATIA  
TEL: 40-370-841

#### CZECH REPUBLIC

**CZECH REPUBLIC DISTRIBUTOR s.r.o**  
Pod Bani 8  
180 00 Praha 8, CZECH REP.  
TEL: 266 312 557

#### DENMARK/ESTONIA/LATVIA/LITHUANIA

**Roland Scandinavia A/S**  
Skagerakvej 7, DK-2150  
Nordhavn, DENMARK  
TEL: 39166200

#### FINLAND

**Roland Scandinavia As, Finland**  
Vanha Nurmijarventie 62  
01670 Vantaa, FINLAND  
TEL: (0) 9 68 24 020

#### GERMANY/AUSTRIA

**ROLAND Germany GmbH.**  
Adam-Opel-Strasse 4, 64569  
Nauheim, GERMANY  
TEL: 6152 95546-00

#### GREECE/CYPRUS

**STOLLAS S.A.**  
**Music Sound Light**  
155, New National Road  
Patras 26442, GREECE  
TEL: 2610 435400

#### HUNGARY

**Roland East Europe Ltd.**  
2045. Törökbalint, FSD Park 3. ép.,  
HUNGARY  
TEL: (23) 511 011

#### IRELAND

**Roland Ireland**  
E2 Calmout Park, Calmout  
Avenue, Dublin 12,  
Republic of IRELAND  
TEL: (01) 4294444

#### ITALY

**Roland Italy S. p. a.**  
Viale delle Industrie 8,  
20020 Arese, Milano, ITALY  
TEL: (02) 937781

#### MACEDONIA

**MK MJUZIK**  
Bratstvo Edinstvo 9  
2208 Lozovo, MACEDONIA  
TEL: 70 264 458

#### MONTENEGRO

**MAX-AP**  
P. Fah 92  
Przno, Kamenovo bb  
86000 Budva, MONTENEGRO  
TEL: 33 452-820

#### NORWAY

**Roland Scandinavia Adv. Kontor Norge**  
Lilleakerveien 2 Postboks 95  
Lilleaker N-0216 Oslo,  
NORWAY  
TEL: 2273 0074

#### POLAND

**ROLAND POLSKA SP. Z O.O.**  
ul. Katy Grodzkiej 16B  
05-289 Warszawa, POLAND  
TEL: (022) 678 9512

#### PORTUGAL

**Roland Beira SL**  
**Branch Office Porto**  
Edificio Tower Plaza  
Rotunda Eng. Edgar Cardoso 23,  
4-8  
4400-676 Vila Nova de Gaia,  
PORTUGAL  
TEL: (4351) 22 608 00 60

#### ROMANIA

**Pro Music Concept SRL**  
440221 Satu Mare  
B-dul Independentei nr. 14/a.,  
ROMANIA  
TEL: (0361) 807-333

#### RUSSIA

**Roland Music LLC**  
Dorozhnaya ul.3,korp.6  
117 545 Moscow, RUSSIA  
TEL: (495) 981-4967

#### SERBIA

**Music AP**  
Sutjeska br.5 XS - 24413 PALIC,  
SERBIA  
TEL: (0) 24 539 395

#### SLOVAKIA

**DAN Distribution, s.r.o.**  
Povazská 18,  
SK - 940 01 Nové Zámky,  
SLOVAKIA  
TEL: (035) 6424 330

#### SPAIN

**Roland Systems Group EMEA, S.L.**  
Paseo Garcia Faria, 33-35  
08005 Barcelona, SPAIN  
TEL: 93 493 91 00

#### SWEDEN

**Roland Scandinavia A/S**  
**SWEDISH SALES OFFICE**  
Mårbackagatan 31, 4 tr.  
SE-123 43 Farsta, SWEDEN  
TEL: (0) 8 683 04 30

#### SWITZERLAND

**Roland (Switzerland) AG**  
Landstrasse 5, Postfach,  
CH-4452 Ittingen, SWITZERLAND  
TEL: (061) 975-9987

#### TURKEY

**ZUHAL DIS TICARET A.S.**  
Galip Dede Cad. No.33  
Beyoglu, Istanbul, TURKEY  
TEL: (0212) 249 85 10

#### UKRAINE

**EURHYTHMICS Ltd.**  
P.O.Box 37-a,  
Nedecy Str. 30  
UA - 49600 Mukachevo,  
UKRAINE  
TEL: (03131) 314-40

#### UNITED KINGDOM

**Roland (U.K.) Ltd.**  
Atlantic Close, SWANSEA SA7  
9FJ, UNITED KINGDOM  
TEL: (01792) 702701

### MIDDLE EAST

#### BAHRAIN

**Moon Stars**  
No.1231&1249 Rumaytha  
Building Road 3931,  
Manama 339, BAHRAIN  
TEL: 17 813 942

#### EGYPT

**Al Fanny Trading Office**  
9, EBN Hagar Al Askalany Street,  
ARD El Golf, Heliopolis,  
Cairo 11341, EGYPT  
TEL: (022)-417-1828

#### IRAN

**MOCO INC.**  
Jadeh Makhsoos Karaj (K-9),  
Najhe Zarin Ave.  
Jalal Street, Reza Alley No.4  
Tebran 1389716791, IRAN  
TEL: (021)-44545370-5

#### ISRAEL

**Halilit P. Greenspoon & Sons Ltd.**  
8 Retzif Ha'alia Hashnia St.  
Tel-Aviv-Yafo ISRAEL  
TEL: (03) 6823666

#### JORDAN

**MUSIC HOUSE CO. LTD.**  
**FREDDY FOR MUSIC**  
P. O. Box 922846  
Amman 11192, JORDAN  
TEL: (06) 5692696

#### KUWAIT

**EASA HUSAIN AL-YOUSIFI & SONS CO.**  
Al-Yousifi Service Center  
P.O.Box 126 (Safat) 13002,  
KUWAIT  
TEL: 00 965 802929

#### LEBANON

**Chahine S.A.L.**  
George Zeidan St., Chahine Bldg.,  
Achrafieh, P.O.Box: 16-5857  
Beirut, LEBANON  
TEL: (01) 20-1441

#### OMAN

**TALENTZ CENTRE L.L.C.**  
**DAN Distribution, s.r.o.**  
Malatan House No.1  
Al Noor Street, Ruwi  
SULTANATE OF OMAN  
TEL: 2478 3443

#### QATAR

**AL-EMADI TRADING & CONTRACTING CO.**  
P.O. Box 62, Doha, QATAR  
TEL: 4423-554

#### SAUDI ARABIA

**Adawlah Universal Electronics APL**  
Behind Pizza Inn  
Prince Turkey Street  
Adawlah Building,  
PO BOX 2154,  
Al Khobar 31952,  
SAUDI ARABIA  
TEL: (03) 8643601

#### SYRIA

**Technical Light & Sound Center**  
PO Box 13520 Bldg No.49  
Khaled Abn Alwalid St.  
Damascus, SYRIA  
TEL: (011) 223-5384

#### U.A.E.

**Adawlah Universal Electronics APL**  
Omar bin alkhattab street, fish  
round about, nayef area, deira,  
Dubai, U.A.E.  
TEL: (04) 2340442

### NORTH AMERICA

#### CANADA

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

#### Roland Canada Ltd. (Toronto Office)

170 Admiral Boulevard  
Mississauga On L5T 2N6,  
CANADA  
TEL: (905) 362 9707

#### 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

#### Faly Music

Sucursal Capu Blvd. N.3213  
Col. Nueva Aurora Cp.72070  
Puebla, Puebla, MEXICO  
TEL: 01 (221) 2315567 o 97  
FAX: 01 (222) 2266241

**Gama Music S.A. de C.V.**  
Madero Pte. 610 Colonia Centro  
C.P. 64000 Monterrey, Nuevo  
León, MEXICO  
TEL: 01 (81) 8374-1640 o 8372-4097  
www.gamamusic.com

#### Proscenia

Morelos No. 2273  
Col. Arcos Sur  
C.P. 44120 Guadaluajara, Jalisco,  
MEXICO  
TEL: 01(33) 3630-0015

#### U. S. A.

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

### OCEANIA

#### 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