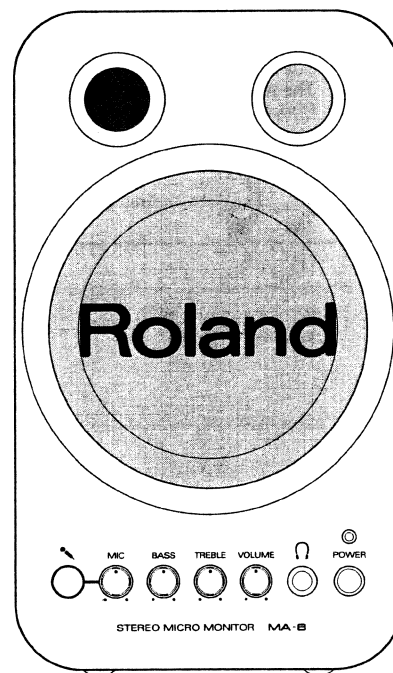
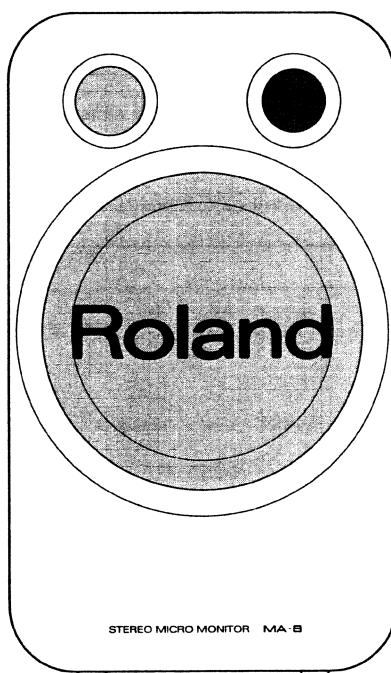




Roland®

STEREO MICRO MONITOR

MA-8

Owner's Manual



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



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



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

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

## IMPORTANT SAFETY INSTRUCTIONS

### SAVE THESE INSTRUCTIONS

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

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

For the 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 Europe





This product complies with the requirements of European Directive 89/336/EEC.







# USING THE UNIT SAFELY

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











### About WARNING and CAUTION Notices









 <b>WARNING</b>	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
 <b>CAUTION</b>	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

 <b>WARNING</b>	
• Before using this unit, make sure to read the instructions below, and the Owner's Manual.	
• Do not open or perform any internal modifications on the unit.	
• 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.	 
• Avoid damaging the power cord. Do not bend it excessively, step on it, place heavy objects on it, etc. A damaged cord can easily become a shock or fire hazard. Never use a power cord after it has been damaged.	
• In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.	
• Protect the unit from strong impact. (Do not drop it!)	
• Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.	
• Before using the unit in a foreign country, consult with your dealer, or qualified Roland service personnel.	

 <b>CAUTION</b>	
• Always grasp only the plug on the power-supply cord when plugging into, or unplugging from an outlet.	
• 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 plug with wet hands when plugging into, or unplugging from, an outlet.	
• Before moving the unit, disconnect the power plug from the outlet, and pull out all cords from external devices.	
• Before cleaning the unit, turn off the power and unplug the power cord from the outlet (p. 6).	
• Whenever you suspect the possibility of lightning in your area, pull the plug on the power cord out of the outlet.	

Thank you, and congratulations on your choice of the Roland MA-8 Stereo Micro Monitor.

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

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## FEATURES

- This monitor amplifier, with a full 8 W + 8 W of output, employs a bass-reflex system and features a magnetically shielded 10 cm woofer and a 3 cm tweeter in each speaker unit.
- The R channel unit features an 8 W + 8 W power amplifier, control system, and input and output jacks.
- This monitor amplifier can simultaneously receive three different signals— through Input 1 (stereo mini jack), Input 2 (RCA phono jacks) and the Mic jack (1/4 inch phone jack).
- Equipped with a headphones jack on the front panel, allowing you to monitor sounds without having to worry about disturbing those around you.
- Features Bass/Treble Control knobs that allow you to adjust the tone of the bass and treble separately.

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## IMPORTANT NOTES

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

### Power Supply

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

### Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.

### Maintenance

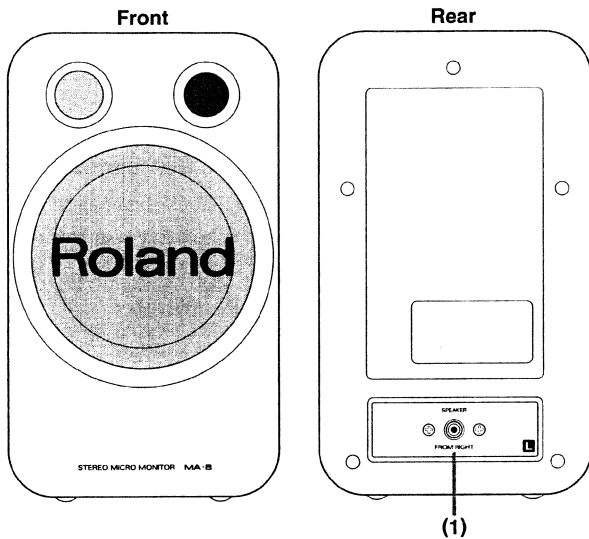
- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzene, thinners, alcohol or solvents of any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

### Additional Precautions

- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- A small amount of heat will radiate from the unit during normal operation.
- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.

# PANEL DESCRIPTION

## < Left Channel >



## < Left Channel >

### (1) SPEAKER FROM RIGHT (R Channel SPEAKER Jack)

Connect this to (12) Speaker Output Jack for L Channel on the right-side unit.

*\* For the connection, use the supplied speaker cord.*

## < Right Channel >

### (2) MIC Input Jack

Connect a microphone (optional) to this jack.

### (3) MIC Level Knob

This adjusts the volume of the microphone connected to (2) MIC Input Jack.

*\* When this knob is turned fully counterclockwise, no sound will be heard.*

### (4) BASS Control Knob

This adjusts the tone of the bass. Turning this knob clockwise will increase the bass sound, while turning it counterclockwise will decrease it.

### (5) TREBLE Control Knob

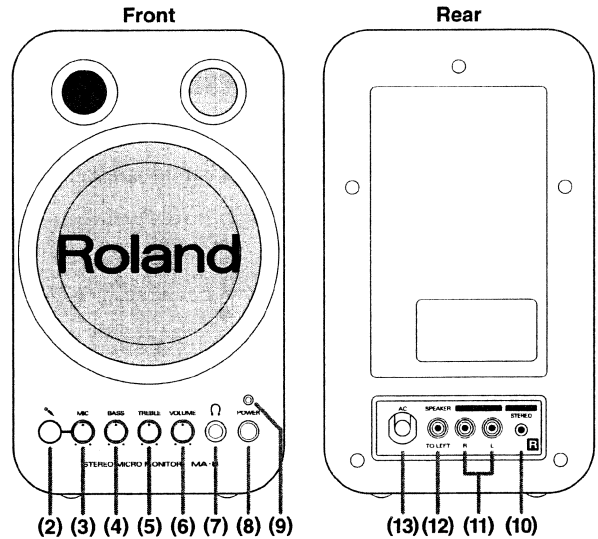
This adjusts the tone of the treble. Turning this knob clockwise will increase the treble sound, while turning it counterclockwise will decrease it.

### (6) VOLUME Knob

This adjusts the volume of devices connected to Input jacks 1 and 2.

*\* When this knob is turned fully counterclockwise, no sound will be heard for Input jacks 1 and 2.*

## < Right Channel >



### (7) HEADPHONES Jack

Connect headphones (optional) to this jack.

*\* When you connect headphones to this jack, no sound will be heard from the speakers.*

### (8) POWER Switch

Use this switch to turn on or off the unit.

### (9) Power Indicator

This is lit when the unit is switched on.

### (10) INPUT 1 Jack

This is a stereo mini type input jack—for connecting an electronic musical instrument, sound module, or audio equipment such as a CD player.

*\* To convert an RCA phono plug to a stereo mini plug, use the supplied conversion cable.*

### (11) INPUT 2 Jacks L/R

These are RCA phono type input jacks used for connecting an electronic musical instrument or sound module; or audio equipment such as a CD player.

### (12) SPEAKER TO LEFT (SPEAKER Output Jack for L Channel)

Connect this to (1) R Channel Speaker Jack on the left-side unit.

*\* For the connection, use the supplied speaker cord.*

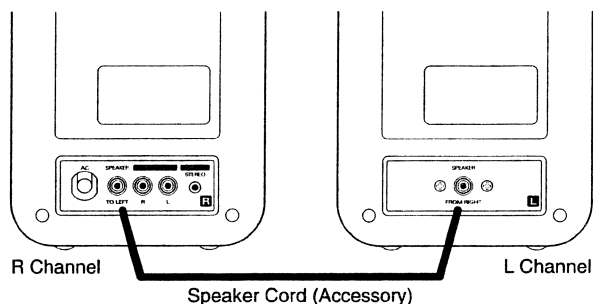
### (13) AC Power Cord

## CONNECTIONS

*\* 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.*

### (Connections of the R Channel Speaker and L Channel Speaker)

Connect the R channel speaker to the L channel speaker using the supplied speaker cord.



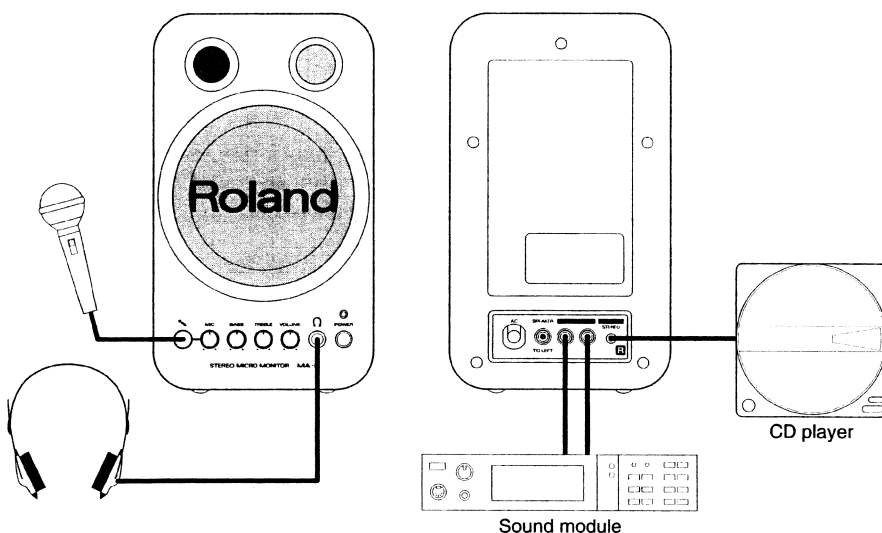
### (Connections to electronic musical instruments or audio equipment)

Connect electronic musical instruments, sound modules, or audio equipment such as CD players to the R Channel Speaker. The MA-8 provides two types of jacks, a stereo mini jack (Input 1) and two RCA phono jacks (Input 2).

A conversion cable for converting two RCA phono plugs to a stereo mini plug is supplied, so you can use it as necessary.

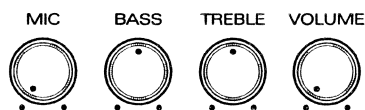
By using two inputs, you can simultaneously play back two kinds of stereo audio signals. The level balance should be adjusted on the devices connected to the MA-8.

*\* Be sure that the L and R channels are connected correctly.*



## OPERATION

1. After making the connections, set the knobs as shown below.



2. Make sure that the unit is switched off, then connect the AC cord to the wall outlet.

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

*Sound module → MA-8*

*\* Always make sure to have the volume level turned down before switching on power. Even with the volume all the way down, you may still hear some sound when the power is switched on, but this is normal, and does not indicate a malfunction.*

3. Switch on the unit.
4. Slowly rotate the Volume knob clockwise until you achieve an appropriate volume.
5. Slowly rotate the Mic Level knob clockwise until you achieve an appropriate volume.
  - \* Howling could be produced depending on the location of microphones relative to speakers. This can be remedied by:*
    1. *Changing the orientation of the microphone(s).*
    2. *Relocating microphone(s) at a greater distance from speakers.*
    3. *Lowering volume levels.*
6. Adjust the tone by rotating the Bass and Treble Control knobs.

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# SPECIFICATIONS

## MA-8: STEREO MICRO MONITOR

### Rated Power Output

8 W + 8 W

### Speakers

Woofer: 10 cm (Magnetically-Shielded)  
Tweeter: 3 cm cone tweeter

### Nominal Input Level

INPUT 1,2: -10 dBm  
MIC: -50 dBm

### Input Impedance

INPUT 1,2: 10 k $\Omega$   
MIC: 5 k $\Omega$

### Sensitivity

95 dB (1 W, 0.5 m)

### Frequency Range

80 Hz to 18 kHz

### Controls

< R ch >  
MIC Level Knob  
BASS Control Knob  
TREBLE Control Knob  
VOLUME Knob  
POWER Switch

### Indicator

Power Indicator

### Connectors

< R ch >  
Front: MIC Input Jack (1/4 inch phone type)  
HEADPHONES Jack (stereo mini type)  
Rear: INPUT 1 Jack (stereo mini type)  
INPUT 2 Jacks (L,R) (RCA phono type)  
SPEAKER Output Jack for L Channel  
  
< L ch >  
Rear : R Channel SPEAKER Jack

### Enclosure

Bass-reflex type

### Material and Finish

ABS resin (Gray-White)

### Power Supply

AC 117 V  
AC 230 V

### Power Consumption

31 W (AC 117 V)  
31 W (AC 230 V)

### Dimensions

< R ch >  
140 (W) x 150 (D) x 241 (H) mm  
5-9/16 (W) x 5-15/16 (D) x 9-1/2 (H) inches  
< L ch >  
140 (W) x 147 (D) x 241 (H) mm  
5-9/16 (W) x 5-13/16 (D) x 9-1/2 (H) inches

### Weight

< R ch >  
2.1 kg/ 4 lbs 11 oz  
< L ch >  
1.4 kg/ 3 lbs 2 oz

### Accessories

Owner's Manual  
Speaker Cord  
Conversion Cable (RCA phono type → stereo mini type)

**\* 0 dBm = 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 local Roland Service Station or the authorized Roland distributor in your country as shown below.

### ARGENTINA

**Instrumentos Musicales S.A.**  
Florida 638  
(1005) Buenos Aires  
ARGENTINA  
TEL: (01) 394 4029

### BRAZIL

**Roland Brasil Ltda.**  
R. Coronel Octaviano da Silveira  
203 05522-010  
Sao Paulo BRAZIL  
TEL: (011) 843 9377

### CANADA

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

### Roland Canada Music Ltd.

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

### MEXICO

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

### La Casa Wagner de

**Guadalajara s.a. de c.v.**  
Av. Corona No. 202 S.J.  
Guadalajara, Jalisco Mexico  
C.P.41400 MEXICO  
TEL: (03) 613 1414

### PANAMA

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

### U. S. A.

**Roland Corporation U.S.**  
7200 Dominion Circle  
Los Angeles, CA. 90040-3696,  
U. S. A.  
TEL: (0213) 685 5141

### VENEZUELA

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

### AUSTRALIA

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

### NEW ZEALAND

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

### HONG KONG

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

### INDONESIA

**PT CITRARAMA  
BELANTIKA**  
Kompleks Perkantoran Duta  
Merlin Blok E No.6—7  
Jl. Gajah Mada No.3—5, Jakarta  
10130,  
INDONESIA  
TEL: (021) 3850073

### KOREA

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

### MALAYSIA

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

### PHILIPPINES

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

### SINGAPORE

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

### CRISTOFORI MUSIC PTE

**LTD**  
335, Joo Chiat Road SINGAPORE  
1542  
TEL: 3450435

### TAIWAN

**Siruba Enterprise (Taiwan)  
Co., LTD.**  
Room. 5, 9fl. No. 112 Chung Shan  
N.Road Sec.2 Taipei, TAIWAN,  
R.O.C.  
TEL: (02) 561 3339

### THAILAND

**Theera Music Co., Ltd.**  
330 Vergn Nakorn Kasem, Soi 2,  
Bangkok 10100, THAILAND  
TEL: (02) 2248821

### BAHRAIN

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

### IRAN

**TARADIS**  
Mit Emad Ave. No. 15, 10th street  
P. O. Box 15875/4171 Teheran,  
IRAN  
TEL: (021) 875 6524

### ISRAEL

**Halilit P. Greenspoon &  
Sons Ltd.**  
8 Retzif Ha'aliya Hashnya St.  
Tel-Aviv-Yafa ISRAEL  
TEL: (03) 6823666

### JORDAN

**AMMAN Trading Agency**  
Prince Mohammed St. P. O. Box  
825 Amman 11118 JORDAN  
TEL: (06) 641200

### KUWAIT

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

### LEBANON

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

### OMAN

**OHI Electronics & Trading  
Co. LLC**  
P. O. Box 889 Muscat  
Sultanate of OMAN  
TEL: 706 010

### QATAR

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

### SAUDI ARABIA

**SAF Music Center**  
AL-Khobar 31952, P. O. Box 1366  
SAUDIARABIA  
TEL: (03) 898 3311

### Abdul Latif S. Al-Ghamdi

**Trading Establishment**  
Middle East Commercial Center  
Al-Khobar Dharan Highway  
W/hamood st.  
P. O. Box 3631 Al-Khobar  
31952 SAUDIARABIA  
TEL: (03) 898 2332

### SYRIA

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

### TURKEY

**Barkat Sanayi ve Ticaret**  
Siraselvler Cad. Guney Ishani No.  
86/6 Taksim, Istanbul TURKEY  
TEL: (0212) 2499324

### U.A.E

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

### EGYPT

**Al Fanny Trading Office**  
9, Ebn Hagar At Askalany Street,  
Ard El Golf, Heliopolis, Cairo,  
11341 EGYPT  
TEL: (02) 4171828  
(02) 4185531

### MAURITIUS

**Philanne Music Center**  
4th, Floor Noll, Happy World  
House Sir William Newton Street  
Port Luis MAURITIUS  
TEL: 242 2986

### REUNION

**FO - YAM Marcel**  
25 Rue Jules MermanZL  
Chaudron - BP79 97491  
Sie Clotilde REUNION  
TEL: 28 29 16

### SOUTH AFRICA

**That Other Music Shop  
(PTY) Ltd.**  
11 Melle Street (Cnr Melle and  
Juta Street)  
Braamfontein 2001  
Republic of SOUTH AFRICA  
TEL: (011) 403 4105

**Paul Bothner (PTY) Ltd.**  
17 Werdmuller Centre Claremont  
7700  
Republic of SOUTH AFRICA  
TEL: (021) 64 4030

### AUSTRIA

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

### BELGIUM/HOLLAND/ LUXEMBOURG

**Roland Benelux N. V.**  
Houtstraat 1 B-2260 Oevel-  
Westerlo BELGIUM  
TEL: (014) 575811

### BELORUSSIA

**TUSHE**  
UL. Mogilovskaja 4/4/145  
220001 MINSK  
TEL: (0172) 252-059

### CYPRUS

**Radex Sound Equipment Ltd.**  
17 Diagorou St., P.O.Box 2046,  
Nicosia CYPRUS  
TEL: (02) 453 426  
(02) 466 423

### DENMARK

**Roland Scandinavia A/S**  
Langebrogade 6 Post Box 1937  
DK-1023 Copenhagen K.  
DENMARK  
TEL: 32 95 3111

### FRANCE

**Guillard Musiques Roland**  
ZAC de Rosarge Les Echets 01700  
MIRIBEL FRANCE  
TEL: 7226 5060

### Guillard Musiques Roland (Paris Office)

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

### FINLAND

**Roland Scandinavia As,  
Filial Finland**  
Lauttasareentie 54 B  
Fin-00201 Helsinki, FINLAND  
P. O. Box No. 109  
TEL: (02) 682 4020

### GERMANY

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

### GREECE

**V. Dimitriadis & Co. Ltd.**  
20, Alexandras St. & Bouboulinas  
54 St. 106 82 Athens, GREECE  
TEL: (01) 8232415

### HUNGARY

**Intermusica Ltd.**  
Warehouse Area 'DEPO' Pf.83  
H-2046 Torokbalint, HUNGARY  
TEL: (23) 338 041

### IRELAND

**The Dublin Service Centre  
Audio Maintenance Limited**  
11 Brunswick Place Dublin 2  
Republic of IRELAND  
TEL: (01) 677322

### ITALY

**Roland Italy S. p. A.**  
Viale delle Industrie, 8  
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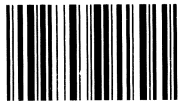
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