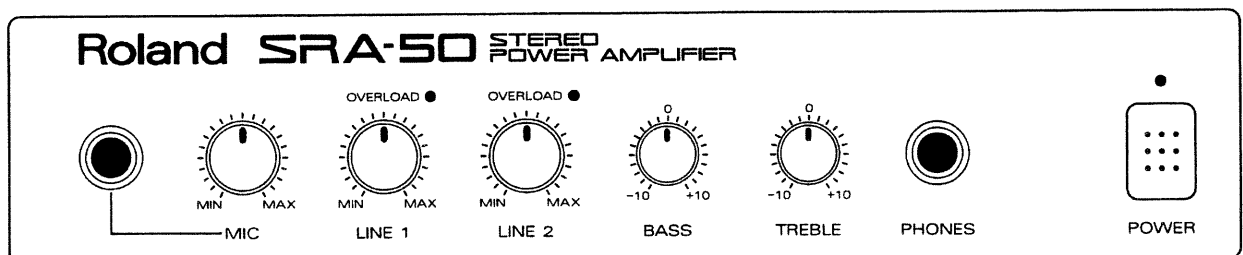




Roland

STEREO POWER AMPLIFIER

SRA-50

Owner's Manual



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



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



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

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

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

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

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

GROUNDING INSTRUCTIONS

For the USA

This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock.

This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER: Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product — if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

For the U.K.

WARNING: THE APPARATUS MUST BE EARTHED

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.
 GREEN-AND-YELLOW: EARTH, 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 GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol  or coloured GREEN or GREEN-AND YELLOW.

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.

The product which is equipped with a THREE WIRE GROUNDING TYPE LINE PLUG must be grounded.

Thank you for purchasing the Roland SRA-50 Stereo Power Amplifier.
To make the best use of this unit, please read the owner's manual carefully.

FEATURES

- The SRA-50 is a 50W+50W (at 4 ohms) stereo amplifier housed in a half-rack case.
- The unit features excellent durability, silent operation.
- Two types of jacks are provided for input; 1/4" phone and pin type.
- With the inclusion of a MIC Input Jack, the SRA-50 can be used as a microphone amplifier.
- The Line Output Jacks makes it easy to connect other powered monitor speakers or power amplifiers.
- A stereo headphone Jack allows for private monitoring.
- A large heat sink allows for the natural dispersion of heat.

IMPORTANT NOTES

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

Power Supply

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

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.

Maintenance

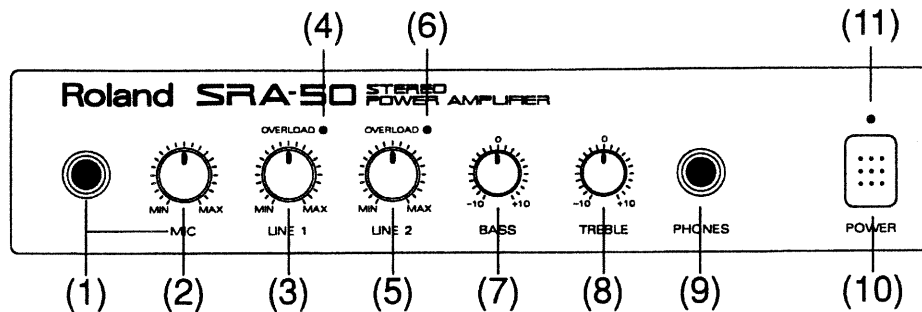
- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzene, thinners, alcohol or solvents of any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

Additional Precautions

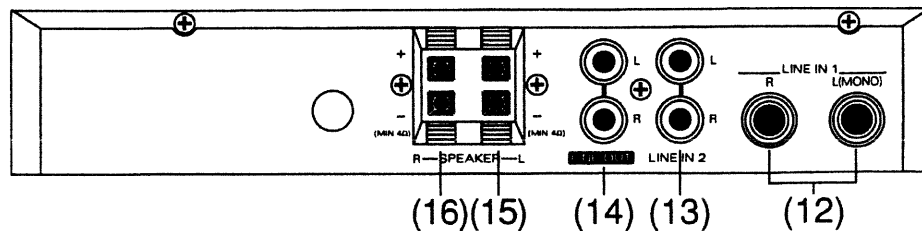
- Protect the unit from strong impact.
- A small amount of heat will radiate from the unit during normal operation.
- Before using the unit in a foreign country, consult with qualified service personnel.

PANEL DESCRIPTIONS

<<Front Panel>>



<<Rear Panel>>



(1) MIC Input Jack

Connect a microphone to this jack.

(2) MIC Level Control Knob

This knob adjusts the volume of a microphone connected to the MIC Input Jack (1). Clockwise rotation increases the volume.

* When the knob is rotated completely counterclockwise, no sound will be heard.

(3) LINE 1 Level Control Knob

This knob adjusts the volume of the device connected to the LINE IN 1 Jacks (12). Clockwise rotation increases the volume.

* When the knob is rotated completely counterclockwise, no sound will be heard.

(4) OVERLOAD Indicator

When the volume of the device connected to the LINE IN 1 Jacks (12) is too high, this indicator will light. If this happens, rotate the LINE 1 Level Control knob counterclockwise to lower the input signal.

(5) LINE 2 Level Control Knob

This knob adjusts the volume of the device connected to the LINE IN 2 Jacks (13). Clockwise rotation increases the volume.

* When the knob is rotated completely counterclockwise, no sound will be heard.

(6) OVERLOAD Indicator

When the volume of the device connected to the LINE IN 2 Jacks (13) is too high, this indicator will light. If this happens, rotate the LINE 2 Level Control knob counterclockwise to lower the input signal.

(7) BASS Control Knob

This knob controls the tone of bass sounds. Rotating the knob clockwise boosts the lower frequencies, while rotating counterclockwise cuts the lower frequencies. When the knob is set to the center position, a flat characteristic is created.

(8) TREBLE Control Knob

This knob controls the tone of treble sounds. Rotating the knob clockwise boosts the higher frequencies, while rotating counterclockwise cuts the higher frequencies. When the knob is set to the center position, a flat characteristic is created.

(9) PHONES Jack

Connect headphones to this jack. This is a 1/4" phone jack.

* When headphones are connected to this jack, no sound will be heard from the connected speaker system.

(10) POWER Switch

This switch turns the unit on and off.

(11) POWER Indicator

This indicator lights when the unit is switched on.

(12) LINE IN 1 Jacks L (MONO)/R

Connect an electronic musical instrument (such as a keyboard, rhythm machine or sound module) to these jacks. These jacks are of the 1/4" phone type.

* For monaural input, use the L(MONO) jack.

(13) LINE IN 2 Jacks L/R

Connect audio equipment (such as a tape deck, CD player, etc.) to these jacks. (An electronic musical instrument can also be connected.)

These jacks are of the RCA phono type.

(14) LINE OUT Jacks L/R

You can connect a power amplifier, speaker systems (power amplifier + speakers) or a tape deck for recording to these jacks. These jacks are of the RCA phono type.

(15) L Channel Speaker Terminals

(16) R Channel Speaker Terminals

Connect a speaker system to these terminals.

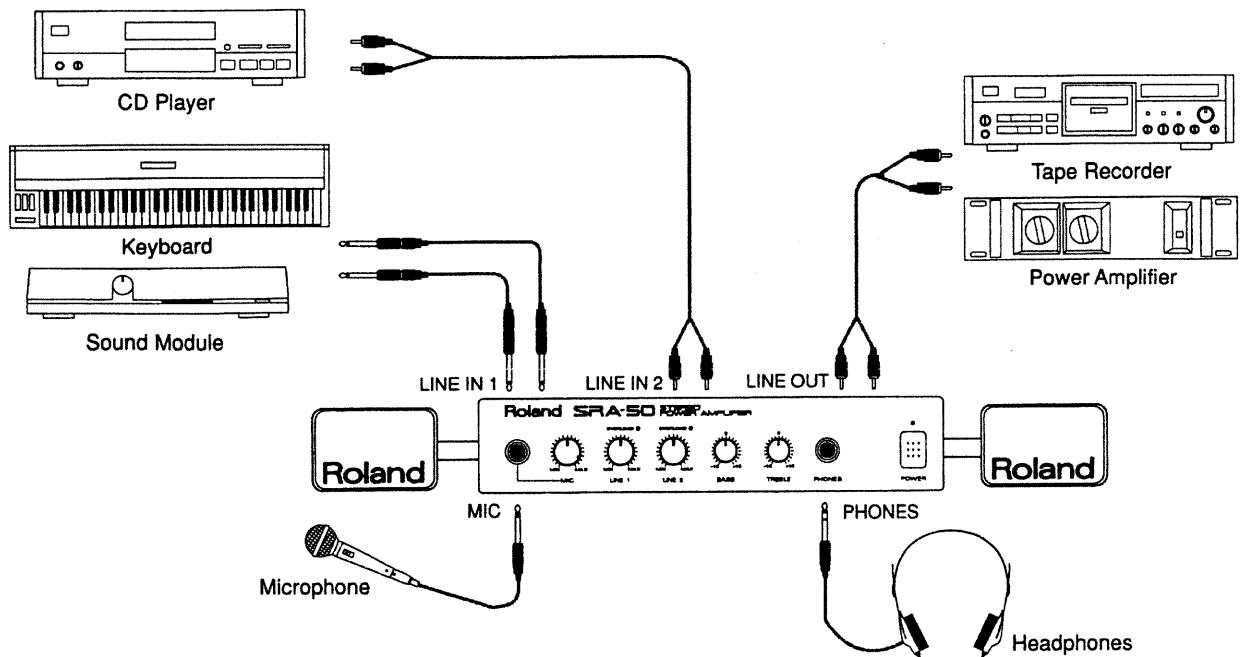
* Be sure to use a speaker system with a total impedance greater than 4 ohms.

* Be sure that the polarity is correct.

CONNECTIONS

*Be sure to turn off all the units before making connections.

* Both the LINE IN and LINE OUT Jacks are stereo, so pay attention to the L and R connections.



OPERATION

1. Set the Control knobs as shown below.



2. Make sure that the unit is switched off, then connect the AC plug to a wall socket.

3. Switch on the unit.

4. Rotate the LINE 1, 2 and MIC Control knobs slowly to set an appropriate volume.

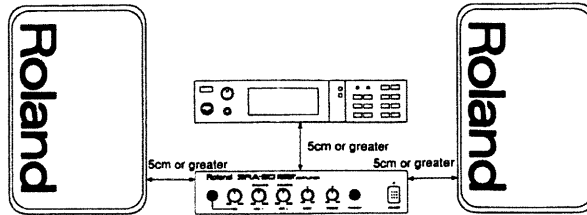
* When audio signals are fed into a microphone, feedback may occur. If this happens, rotate the MIC Control knob slightly counterclockwise, or move the microphone further from the source of the audio signal (usually a speaker system).

5. Rotate the TREBLE and BASS Controls to obtain the best tone.

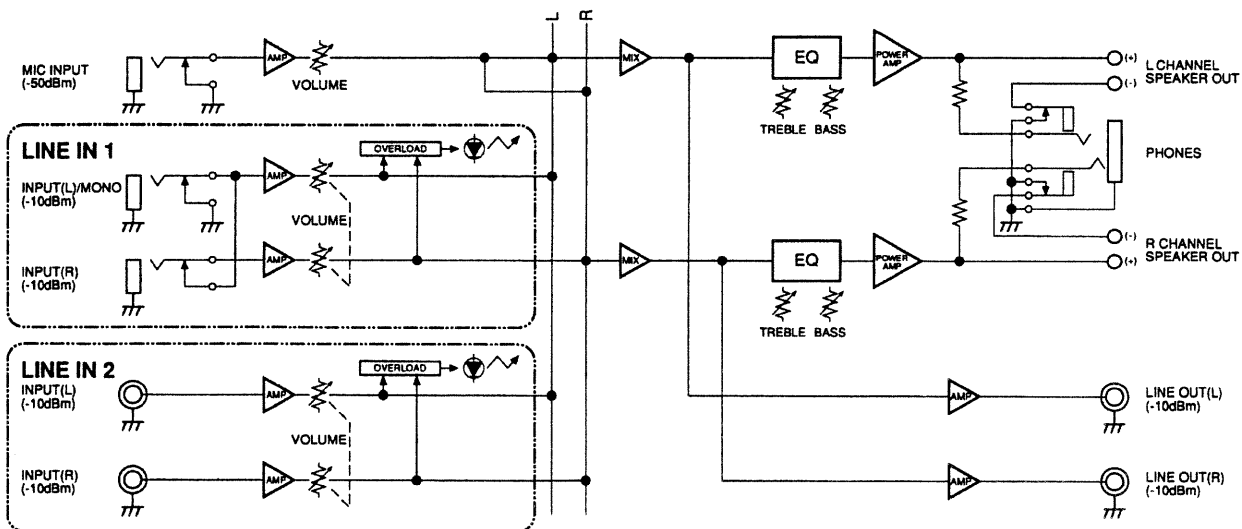
INSTALLATION

Please carefully observe the following precautions when installing the SRA-50.

- While in operation, the SRA-50 will give off a considerable amount of heat. Avoid touching the chassis during operation or shortly after power has been turned off, since it can get quite hot.
- In order to provide the proper amount of cooling for the unit its ventilation holes are very important. If the ventilation holes are blocked in any way, the interior temperatures of the unit could reach extreme levels, and damage could be result. When setting up the unit, never place it tightly together with other units. Always make sure to leave at least 5 cm (2 inches) of space between it and any adjacent devices.



BLOCK DIAGRAM



SPECIFICATIONS

SRA-50 : STEREO POWER AMPLIFIER

- **Rated Power Output**
50W+50W (Stereo, 4Ω load)
- **Frequency Response**
10Hz to 50kHz (+0/-1dB, 1W/4Ω)
- **Input Impedance**
Line In 1 30kΩ (Stereo) / 15kΩ (Mono)
Line In 2 30kΩ (Stereo)
Mic In 5kΩ
- **Input Sensitivity**
Line In 1, 2 -26dBm
Mic In -50dBm
- **Maximum Input**
Line In 1, 2 +10dBm
- **Recommended Load Impedance**
4Ω or greater (stereo)
- **Total Harmonic Distortion**
0.01% or less
- **S/N Ratio**
90dB or greater (Input terminal with 150Ω, IHF-A)
- **Damping Factor**
40 or greater (4Ω load, 1kHz)
- **Channel Separation**
60dB or greater (4Ω load, 1kHz, 25W, DIN Audio)

- **Controls**
Mic Level Knob
Line 1 Level Knob
Line 2 Level Knob
Treble Knob
Bass Knob
Power Switch

- **Indicators**
Power Indicator
Overload Indicator x2

- **Connectors**
Front: Mic Input Jack
(1/4 inch phone type)
Headphone Jack
(1/4 inch stereo phone type)
Rear: Line 1 Input Jack (L(MONO),R)
(1/4 inch phone type)
Line 2 Input Jack (L,R)
(RCA phono type)
Line Output Jack (L,R)
(RCA phono type)
Speaker Terminal (L,R)

- **Power Supply**
AC117V, AC230V or AC240V

- **Power Consumption**
64W/62VA(AC117V), 86W(AC230V), 84W(AC240V)

- **Dimensions**
218(W) x 283(D) x 44(H)mm
8-5/8(W) x 11-3/16(D) x 1-3/4(H) inches

- **Weights**
4.2kg/ 9lb 5oz

- **Accessories**
Owner's Manual

* 0dBm=0.775Vrms

* The specifications for this product 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.

U. S. A.

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

CANADA

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

Roland Canada Music Ltd.

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

Roland Canada Music Ltd.

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

AUSTRALIA

Roland Corporation Australia Pty. Ltd.
38 Campbell Avenue
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

UNITED KINGDOM

Roland (U.K.) Ltd.
Rye Close Ancells Business
Park Fleet, Hampshire GU13
8UY, UNITED KINGDOM
TEL: 0252-816181

Roland (U.K.) Ltd.,

Swansea Office
Atlantic Close, Swansea
Enterprise Park, Swansea,
West Glamorgan SA79FJ,
UNITED KINGDOM
TEL: (0792) 700-139

ITALY

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

SPAIN

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

GERMANY

Roland Elektrische Musikinstrumente Handelsgesellschaft mbH.
Oststrasse 96, 2000
Norderstedt, GERMANY
TEL: 040/52 60 090

FRANCE

Musikengro
102 Avenue Jean-Jaures
69007 Lyon Cedex 07
FRANCE
TEL: (7) 858-54 60

Musikengro (Paris Office)

Centre Region Parisienne 41
rue Charles-Fourier, 94400
Vitry SUR/SEINE FRANCE
TEL: (1) 4680 86 62

BELGIUM/HOLLAND/LUXEMBOURG

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

DENMARK

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

SWEDEN

Roland Scandinavia A/S
Danvik Center 28 A, 2 tr.
S-1 31 30 Nacka SWEDEN
TEL: 08-702 00 20

NORWAY

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

FINLAND

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

SWITZERLAND

Musitronic AG
Gerberstrasse 5, CH-4410
Liestal, SWITZERLAND
TEL: 061/921 16 15

Roland CK (Switzerland) AG

P.O.Box Landstrasse 5
CH-4452 Itingen (BL)
SWITZERLAND
TEL: (61) 971 80 80
Repair Service by Musitronic AG

AUSTRIA

E. Dematte & Co.
Neu-Rum Siemens-Strasse 4
6021 Innsbruck P.O.Box 83
AUSTRIA
TEL: (0512) 26 44 260

GREECE

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

PORTUGAL

Casa Caius Instrumentos Musicais Lda.
Rua de Santa Catarina 131
4000 Porto, PORTUGAL
TEL: 02-38 44 56

HUNGARY

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

ISRAEL

D.J.A. International Ltd.
11 Bar Gyiora St., Tel Aviv
ISRAEL
TEL: 972-3-528.1329

CYPRUS

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

U.A.E

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

SAUDI ARABIA

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

KUWAIT

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

LEBANON

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

TURKEY

Barkat Sanayi ve Ticaret
Siraselviler Cad. 86/6 Taksim
Istanbul, TURKEY
TEL: 149 93 24

EGYPT

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

QATAR

Badie Studio & Stores
P.O.Box 62,
DOHA Qatar
TEL: 974 423554

BAHRAIN

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

BRAZIL

Roland Brasil Ltda.
R. Alvarenga 591 CEP-05509
Sao Paulo BRAZIL
TEL: (011) 210-7266
Repair Service for Roland and
Rhodes products

Oliver do Brasil S.A.

Instrumentos Musicais
Rua Boturoca, 198/206
CEP 05586-010 Vila Indiana
Butanta Sao Paulo-SP BRAZIL
TEL: (011) 814-1344
Repair Service for BOSS products

MEXICO

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

La Casa Wagner de

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

VENEZUELA

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

PANAMA

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

ARGENTINA Instrumentos Musicales S.A.

Florida 638
(1005) Buenos Aires
ARGENTINA
TEL: (1)394-4029

HONG KONG

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

KOREA

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

SINGAPORE

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

PHILIPPINES

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

THAILAND

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

VIETNAM

Saigon Music Distributor
383A Dien Bien Phu St.
3rd. District
Ho Chi Mink City, Vietnam
TEL: 84-8-391395/332674

MALAYSIA

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

INDONESIA

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

TAIWAN

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

SOUTH AFRICA

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

Paul Bothner (PTY) Ltd.

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

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