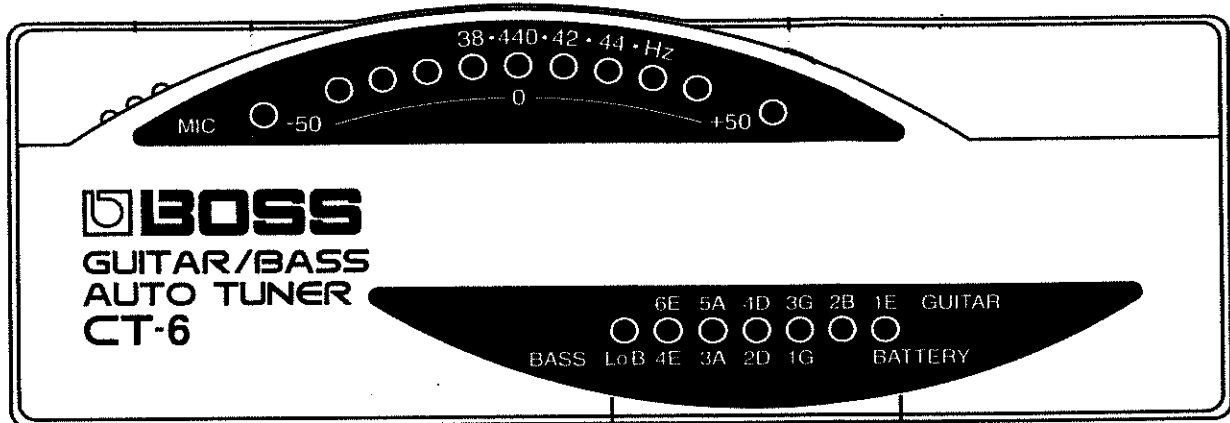


CT-6 GUITAR/BASS AUTO TUNER

Owner's Manual



CT-6 GUITAR/BASS AUTO TUNER



Owner's Manual

Thank you, and congratulations on your choice of the BOSS CT-6 Guitar/Bass Auto Tuner. Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES". 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.







USING THE UNIT SAFELY

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

About WARNING and CAUTION Notices







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

About the Symbols






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

ALWAYS OBSERVE THE FOLLOWING

WARNING

- Before using this unit, make sure to read the instructions below, and the Owner's Manual. 
- Do not open (or modify in any way) the unit or its AC adaptor. 
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your dealer, or qualified Roland service personnel. 
- Never use or store the unit in places that are: 
 - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
 - Damp (e.g., baths, washrooms, on wet floors); or are
 - Humid; or are
 - Dusty; or are
 - Subject to high levels of vibration.
- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces. 
- Use only the specified AC adaptor (PSA-Series), and 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. 

WARNING

- 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. 
- This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist. 
- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit. 
- Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your dealer or qualified Roland service personnel when: 
 - The AC adaptor or the power-supply cord has been damaged; or
 - Objects have fallen into, or liquid has been spilled onto the unit; or
 - The unit has been exposed to rain (or otherwise has become wet); or
 - The unit does not appear to operate normally or exhibits a marked change in performance.
- 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. 

IMPORTANT NOTES

In addition to the items listed under "USING THE UNIT SAFELY", please read and observe the following:

Power Supply: Use of Batteries

- 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).
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an

- 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

- When installing or replacing batteries, always turn off the power on this unit and disconnect any other devices you may have connected. This way, you can prevent malfunction and/or damage to speakers or other devices.
- 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.

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

way you will avoid causing shorts, or damage to the cable's internal elements.

- 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 Descriptions

Internal Microphone

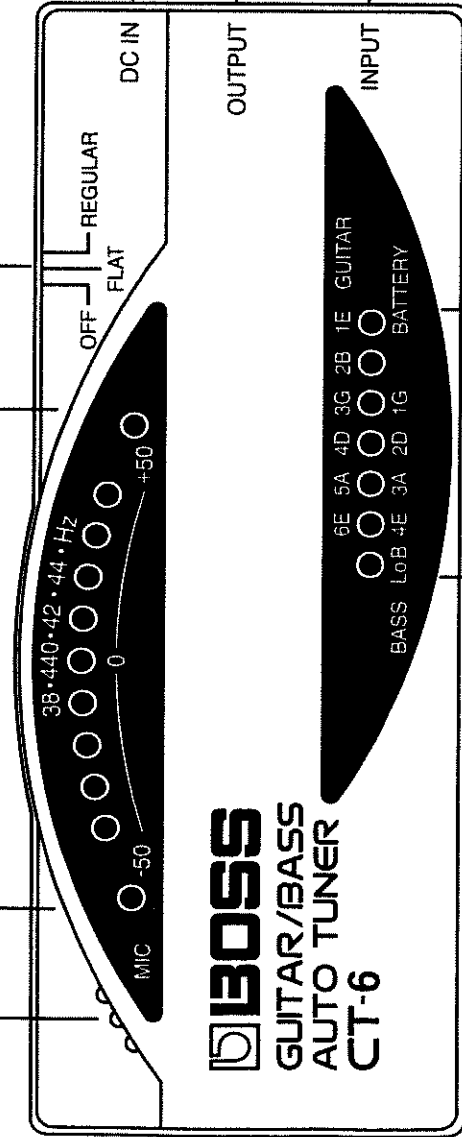
Used when tuning acoustic instruments. (Place the CT-6 close to the instrument or vice versa.)
 * *The internal microphone will not function when an instrument has been connected to the Input Jack.*

Pitch Indicators

These show you the pitch difference between the input sound and the string name (string name indicators) actually indicated. If the center (green) of the Pitch indicators is lit, there is no pitch difference.

Power/Mode Selection Switch

This switch serves two purposes; it turns the power ON/OFF, and provides selection of the operating mode: REGULAR or FLAT.
 For normal tuning, select REGULAR. Select FLAT for tuning that is lowered by a semitone.

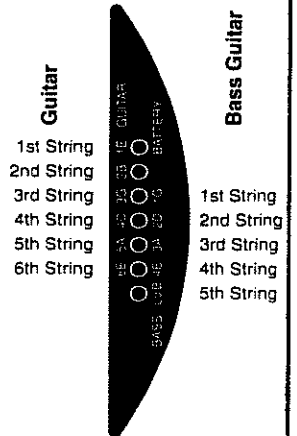


AC Adaptor Jack

Accepts connection of an AC adaptor (BOSS PSA-Series; optional).
 * *If there are batteries in the unit while an AC adaptor is being used, normal operation will continue should the line voltage be interrupted (power blackout or power cord disconnection).*

String Name Indicators

These show the string names of the input sound.
 With a guitar, the string names are indicated by the six indicators "6E-1E," while with a bass guitar, the string names are shown with the four indicators "4E-1G." The fifth string of a five-string bass guitar is shown with the "LOB" indicator (green).



Output Jack

Provides output of the signals produced by the instrument connected to the Input Jack.

Input Jack

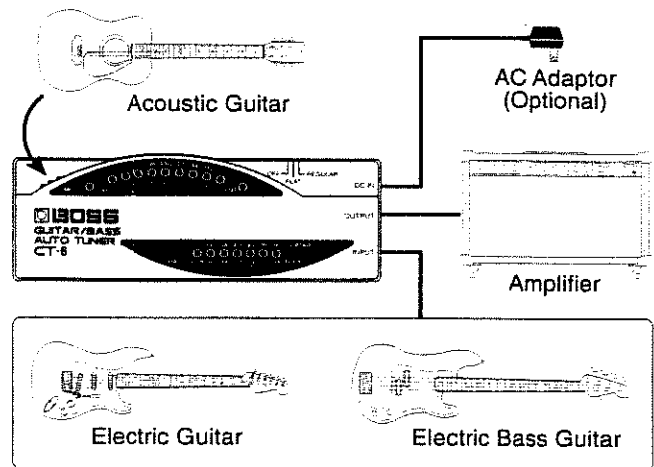
Connect the instrument you wish to tune to this jack.

Features

- The BOSS CT-6 tuner allows you to quickly and easily tune either an electric guitar or an electric bass guitar.
- This tuner can be used for flat tuning.
- Reads over a wide range—even works well with five-string bass guitars.
- A highly sensitive on-board microphone allows you to tune acoustic guitars as well.
- When you change the reference pitch, you can monitor it with the Pitch indicators.

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Making the 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.*

Tuning Procedure

The CT-6 automatically shows the string name depending on the input sound. Normally, tune in the Regular Tuning mode.

1. Set the Power/Mode switch to "REGULAR."

2. Connect your instrument to the Input jack.

If you wish to tune an acoustic instrument, you will need to use the internal microphone. Place the CT-6 close to the instrument (or vice versa).

3. Play single notes on the instrument.

The string (note) name closest to the input note will be indicated by the String Name indicator. Additionally, the amount by which the input note differs in pitch from the indicated string (note) name can be checked by viewing the Pitch indicators.



4. Tune the instrument.

First, get the string name indicator for the string you wish to tune to light, then tune so that the center (green) of the Pitch indicators will be lit (Given a reference pitch of A = 440 Hz).

Too high : Lower Pitch



Tuned



Flat Tuning

Flat tuning is a semitone below standard tuning. The LED display will still show the notes as if it were standard tuning, but the absolute pitch will be a half-step lower. This makes it easier to tune and play in flat keys.

1. Set the Power/Mode switch to "FLAT."
2. Tune the same way as for any normal string.

Changing the Reference Pitch

Reference Pitch refers to the frequency of note A4 (on a piano, the key at the center of the keyboard) on the instrument that will provide the predominate tonal focus of a performance (such as the piano). You should tune all instruments so they are in tune with this Reference Pitch. The CT-6 allows you to tune by shifting the reference pitch.

Tune each string so that the pitch indicator that corresponds to the reference pitch (A = 438 – 445 Hz, in 1 Hz steps) will be lit.

Example: Tune each string so that the Pitch indicators will be lit as shown below.

To set the reference pitch to 438 Hz



To set the reference pitch to 440 Hz (normal use)

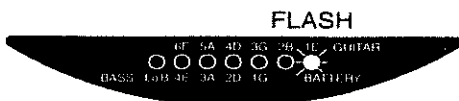


To set the reference pitch to 443 Hz



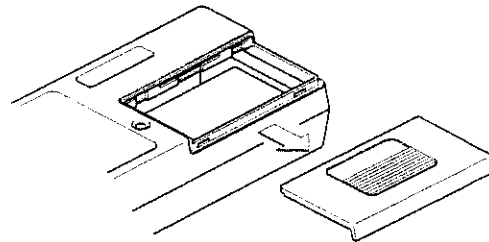
Battery Check

When the batteries become exhausted, the Battery indicator (1E) will flash and the unit can no longer tune properly. If this happens, replace them with a new set.



Changing the Battery

1. Press down and slide off the lid of the battery compartment (located on the bottom of the unit).
2. Remove the old battery from the compartment and disconnect the snap cord.
3. Connect the snap cord to the new battery.
4. Place the new battery inside the compartment and slide the lid back into place.



Specifications

CT-6: Guitar/Bass Auto Tuner

Tuning Range

A#0 (29.1 Hz) – B7 (3951 Hz)

Guitar: 6E (82.4 Hz) / 5A (110.0 Hz) / 4D (146.8 Hz) /
3G (196.0 Hz) / 2B (246.9 Hz) / 1E (329.6 Hz)

Bass: LoB (30.9 Hz) / 4E (41.2 Hz) / 3A (55.0 Hz) /
2D (73.4 Hz) / 1G (98.0 Hz)

Tuning Accuracy

+/-3 cent

Input Impedance

1 M Ω

Switch

Power/Mode Selection Switch

Indicators

Pitch Indicators (11 points), String Name Indicators (7 points)

Jacks

Input Jack, Output Jack, AC Adaptor Jack

Power Supply

Dry Battery S-006P/6F22 (9 V)

AC Adaptor (PSA-Series; Optional)

Current Draw

16 mA

* *Expected battery life under continuous use:*

Carbon: 8 hours

These figures will vary depending on the actual conditions of use.

Dimensions

140 (W) x 52 (D) x 25 (H) mm

5-9/16 (W) x 2-1/16 (D) x 1 (H) inches

Weight

135 g / 5 oz (including battery)

Accessories

Dry Battery S-006P/6F22 (9 V), Owner's Manual

Option

PSA-Series (AC Adaptor)

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

For Canada

CLASS B

NOTICE





This digital apparatus does not exceed the Class B limits for radio noise emissions set out in the Radio Interference Regulations of the Canadian Department of Communications.

CLASSE B





AVIS

Cet appareil numérique ne dépasse pas les limites de la classe B au niveau des émissions de bruits radioélectriques fixés dans le Règlement des signaux parasites par le ministère canadien des Communications.










⚠ WARNING

- 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. 
- Batteries must never be recharged, heated, taken apart, or thrown into fire or water. 

⚠ CAUTION

- The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation. 
- Always grasp only the plug or the body of the AC adaptor when plugging into, or unplugging from, an outlet or this unit. 
- Whenever the unit is to remain unused for an extended period of time, disconnect the AC adaptor. 
- 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. 

⚠ CAUTION

- Never climb on top of, nor place heavy objects on the unit. 
- Never handle the AC adaptor body, or its plugs, with wet hands when plugging into, or unplugging from, an outlet or this unit. 
- Before moving the unit, disconnect the AC adaptor and all cords coming from external devices. 
- Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet. 
- Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet. 
- If used improperly, batteries may explode or leak and cause damage or injury. In the interest of safety, please read and observe the following precautions. 

- Remove the batteries whenever the unit is to remain unused for an extended period of time. 
- If a battery has leaked, use a soft piece of cloth or paper towel to wipe all remnants of the discharge from the battery compartment. Then install new batteries. If any of the discharge from the battery has gotten onto your hands or skin, make sure to wash the area thoroughly with water.
- Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.
- Used batteries must be disposed of in compliance with whatever regulations for their safe disposal that may be observed in the region in which you live. 



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

For Europe

**FEDERAL COMMUNICATIONS COMMISSION
RADIO FREQUENCY INTERFERENCE STATEMENT**

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

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

Unauthorized changes or modification to this system can void the users authority to operate this equipment. This equipment requires shielded interface cables in order to meet FCC class B Limit.

For the USA

BOSS

Please note that although a battery was installed in your CT-6 when it was shipped from the factory, it has not been connected. You will need to refer to the section "Changing the Battery," for instructions on connecting the battery.

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
215 05522-010
Sao Paulo BRAZIL
TEL: (011) 843 9577

CANADA

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

Roland Canada Music Ltd.

(Toronto Office)
Unit 2, 109 Woodbine Downs
Blvd, Etobicoke, ON
M9V 6Y1 CANADA
TEL: (416) 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. 44100 MEXICO
TEL: (03) 613 1414

PANAMA

Productos Superiores, S.A.
Apartado 685 - Panama 1
REP. DE PANAMA
TEL: 26 3522

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) 962 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 Dun Shan Street, Tsuen
Wan, New Territories,
HONG KONG
TEL: 2415 0911

INDONESIA

PT Galestra Inti
Kompleks Perkantoran
Duta Merin Blok E No. 5-7
Jl. Gajah Mada No. 3-5,
Jakarta 10130,
INDONESIA
TEL: (021) 6335416

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) 2433333

PHILIPPINES

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

SINGAPORE

Sweet Lee Company
BLOCK 231, Bain Street #03-23
Bras Basah Complex,
SINGAPORE 0719
TEL: 3367566

CRISTOFORI MUSIC PTE

LTD
335, Joo Chiat Road SINGAPORE
1542
TEL: 3450435

TAIWAN

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

THAILAND

Theera Music Co., Ltd.
350 Verg Nakorn Kasem, Soi 2,
Bangkok 10102, THAILAND
TEL: (02) 22 18821

BAHRAIN

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

IRAN

TARADIS
Mir Emad Ave. No. 13, 10th street
P. O. Box 15875/4171 Teheran,
IRAN
TEL: (021) 875 6524

ISRAEL

Halilit P. Greenspoon &
Sons Ltd.
8 Reizir Ha'alya Hashnya St
Tel-Aviv-Yafo 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 16-5837 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
SAUDI ARABIA
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 SAUDI ARABIA
TEL: (03) 898 2332

SYRIA

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

TURKEY

Barkat Sanayi ve Ticaret
Siraselvier Cad. Guney Isihani No.
86/8 Taksim, Istanbul TURKEY
TEL: (0212) 2499324

U.A.E

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

EGYPT

Al Fanny Trading Office
9, Ebn Hagar Al Askalani Street,
And El Goh, 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 MermanZI,
Chaudron - BP79 97491
St. 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 Wendmuller 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-
Wisterlo BELGIUM
TEL: (014) 575811

BELORUSSIA

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

CYPRUS

Radex Sound Equipment Ltd.
17 Diagonou St., P.O. Box 2046,
Nicosia CYPRUS
TEL: (02) 453 426
(02) 496 423

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 Rouange Les Echets 01700
MIRBEL FRANCE
TEL: 7226 5060

Guillard Musiques Roland

(Paris Office)
1923 rue Leon Gouffroy 94400
VITRY-SUR-SEINE FRANCE
TEL: (0) 4680 86 62

FINLAND

Roland Scandinavia As,
Filial Finland
Lauttasareentie 54 B
Fin-00201 Helsinki, FINLAND
P. O. Box No. 109
TEL: (0) 682 4020

GERMANY

Roland Elektronische
Musikinstrumente
Handelsgesellschaft mbH.
Oststrasse 96, 22844 Norderstedt,
GERMANY
TEL: (040) 32 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' 19,83
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
20020 Arese Milano, ITALY
TEL: (02) 93581311

NORWAY

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

POLAND

P. P. H. Brzostowicz Marian
UL. Biukowa 32, 03624 Warszawa
POLAND
TEL: (022) 679 44 19

PORTUGAL

Caius - Tecnologias Audio e
Musica, Lda.
Rua de Catarina 131
4000 Porto, PORTUGAL
TEL: (02) 38 4456

RUSSIA

PETROSHOP Ltd.
11 Savanskaya Street Moscow
11531, RUSSIA
TEL: 095 901 0842

SPAIN

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

SWEDEN

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

SWITZERLAND

Roland (Switzerland) AG
Musitronic AG
Gerberstrasse 5, CH-4410 Liesels,
SWITZERLAND
TEL: (061) 921 1613

UKRAINE

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

UNITED KINGDOM

Roland (U.K.) Ltd., Swansea
Office
Atlantic Close, Swansea
Enterprise Park SWANSEA
West Glamorgan SA7 9FF,
UNITED KINGDOM
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