

DIVIDED PICKUP GK-3

Owner's Manual

Thank you for purchasing the **Roland GK-3** divided pickup.
Before using this unit, carefully read the sections entitled:

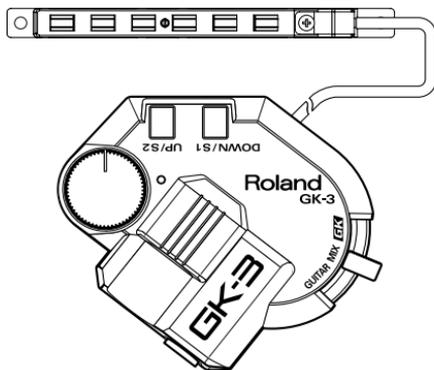
- USING THE UNIT SAFELY (page 2-3)
- IMPORTANT NOTES (page 3)

These sections provide important information concerning the proper operation of the unit.

Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

Copyright © 2003 Roland CORPORATION

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



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-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 perform any internal modifications on the unit. 
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. 
- 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
 - Exposed to rain; or are
 - Dusty; or are
 - Subject to high levels of vibration.

WARNING

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

CAUTION

- 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. 
- Disconnect all cords coming from external devices before moving the unit. 
- Should you remove the parts of installation, make sure to put them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally. 

IMPORTANT NOTES

In addition to the items listed under “USING THE UNIT SAFELY,” 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 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.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.

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

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.
- 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.
- 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.
- Use a cable from Roland to make the connection. If using some other make of connection cable, please note the following precautions.
 - Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.

USING THE UNIT SAFELY .. 2

IMPORTANT NOTES 3

Panel Descriptions 5

Attaching the GK-3 to the Guitar..... 6

Precautions Before Installing6

Adjusting the Divided Pickup8

Attaching the Divided Pickup9

Attaching the
Pickup with Double-Sided Tape.....9

Attaching the
Pickup with Screws12

Attaching the
Pickup with the Pickup Holder13

Checking and Finely

Adjusting the Pickup Height14

Attaching the Controller15

Adjusting the
Length of the Pickup Cable15

Attaching with the Holder16

Attaching with
Double-sided Tape and a Screw ...17

How to Connect the GK-3 18

Specifications 20

The GK-3 is a special divided pickup, which, when installed on an ordinary guitar, allows you to use the guitar to play the sounds of GK-compatible guitar devices (Roland GR-20 or VG-88 etc.).

- The pickup's adjustable curve mechanism makes the GK-3 compatible with guitars with different fingerboard (string) curves.
- Included with the GK-3 are special holders, spacers, and other accessories, which allow you to easily attach the unit to any of a wide variety of guitar models.
- You can use the controller switches to control the various functions of connected GK devices.

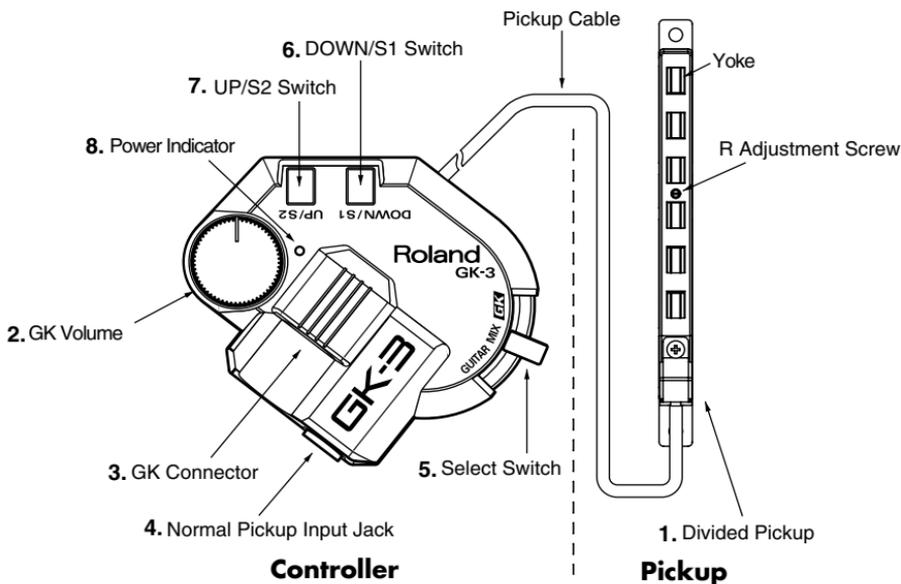
About the GK-3 Warranty

Roland guarantees the GK-3 (and all included parts) to be free of defects in materials and workmanship. Contact your retailer or nearest Roland Service Center if repairs become necessary.

Roland cannot be responsible for any damage caused to your guitar or the GK-3 as a result of your attempt to install or remove the GK-3. If you are not confident with your ability to properly install the Pickup or Controller unit (especially where drilling is involved), please contact your Roland retailer or nearest Roland Service Center.

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

Panel Descriptions



1. Divided Pickup

This pickup detects the vibrations of the guitar strings. It is attached between the guitar bridge and the bridge pickup.

2. GK Volume

This controls the volume of the connected GK-compatible device.

* Certain GK-compatible devices also permit the GK Volume function to be changed. For more detailed information, refer to the Owner's Manual for the GK-compatible device being connected.

3. GK Connector

Connect the GK-compatible device to this connector.

4. Normal Pickup Input Jack

This jack is for inputting the guitar's normal pickup signals to the GK-3. Connect using the normal guitar cable included with the GK-3.

5. Select Switch

This switches between the output from the connected GK-compatible device and the normal guitar output.

* Changing the GK Volume function also changes the function of this switch. For more detailed information, refer to the Owner's Manual for the GK-compatible device being connected.

6. DOWN/S1 Switch

7. UP/S2 Switch

The function of the S1 and S2 switches varies according to the GK-compatible device connected. For more detailed information, refer to the Owner's Manual for the GK-compatible device being connected.

8. Power Indicator

This indicates that power is being supplied to the GK-3. Power to the GK-3 is supplied by the connected GK-compatible device via the GK cable. No battery or other power source is required.

Attaching the GK-3 to the Guitar

The GK-3 can be attached to and used with conventional electric and acoustic guitars. Please read the following precautions before installing the GK-3.

Precautions Before Installing

- Do not use the GK-3 with 12-string guitars or guitars with other unusual or customized string setups, guitars strung with non-metal core nylon strings. The unit will not function properly with these instruments.
- Make any adjustments to the guitar neck, string height, and other such modifications before installing the GK-3.
- Try placing the divided pickup and the controller unit on the guitar before actually attaching them to confirm that there will be no problem with the installation.
- When using the screw to attach the controller, we recommend that you first attach the GK-3 temporarily using the holder, then after confirming that there are no problems when actually performing with the unit, secure it with the screw.
- If only the double-sided tape is used to attach the controller, shocks from rough handling during performances and from extended use will cause the tape to deteriorate, with the controller shifting out of position as a result. Also, if the finish on your guitar is less than perfect, you may discover that the finish is also removed when you later remove the tape. The supplied tape is intended to be used only very temporarily, to help you determine the optimum position for the controller.
- With certain guitars, the space between the pickup at the bridge position and the bridge itself is too narrow to allow installation of the divided pickup. In such instances, it may be possible to attach the pickup by modifying the guitar (for example, by moving the bridge pickup more towards the neck to make room for the divided pickup); consult your guitar dealer.

Confirm that the package contains all of the following parts for installing the GK-3.

Flat-head Screw 3x16 mm

x 1 (for installing the Controller)

Wood Screw 3x20 mm

x 2 (for installing the Divided Pickup)

Spring

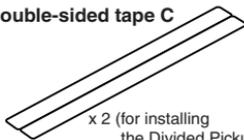
x 2 (for installing the Divided Pickup)

Double-sided tape A

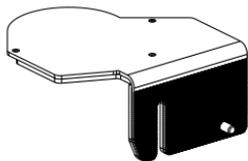
x 3 (for installing the Controller)

Double-sided tape B

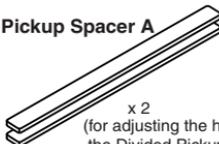
x 4 (for installing the Divided Pickup)

Double-sided tape C

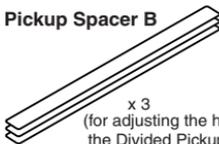
x 2 (for installing the Divided Pickup)

Holder A**Pickup Cushion**

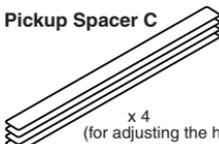
x 4 (for installing the Divided Pickup)

Pickup Spacer A

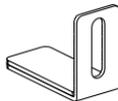
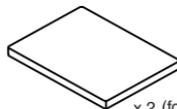
x 2 (for adjusting the height of the Divided Pickup)

Pickup Spacer B

x 3 (for adjusting the height of the Divided Pickup)

Pickup Spacer C

x 4 (for adjusting the height of the Divided Pickup)

Holder B**Clearance Gauge****Cushion**

x 2 (for attaching the Holder A)

Cap Nut

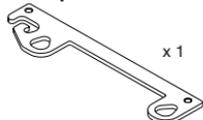
x 1 (for attaching the Holder B)

Spring Washer

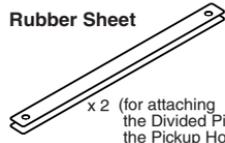
x 1 (for attaching the Holder B)

Flat Washer Ø15 mm

x 1 (for attaching the Holder B)

Pickup Holder

x 1

Rubber Sheet

x 2 (for attaching the Divided Pickup to the Pickup Holder)

Rubber Tube

x 2 (for attaching the Divided Pickup to the Pickup Holder)

Screw 3x8 mm

x 2 (for attaching the Divided Pickup to the Pickup Holder)

Flat Washer Ø13 mm

x 2 (for attaching the Pickup Holder to the guitar)

Screwdriver

x 1

Normal Guitar Cable

Adjusting the Divided Pickup

The surface of a guitar's fingerboard is not flat, but describes a large arc from the first string to the sixth string, and the strings themselves are laid out in roughly the same curved arrangement. The divided pickup uses independent coils to pick up the vibrations of each separate string, so variations in the clearance between the strings and their corresponding pickups may result in discrepancies in sensitivity for each string. The GK-3's divided pickup features a mechanism that allows you to adjust the curve outlined by the pickups, making the GK-3 compatible with different types of guitars.

1. Check the curve of the fingerboard on the guitar to which the GK-3 is to be attached.

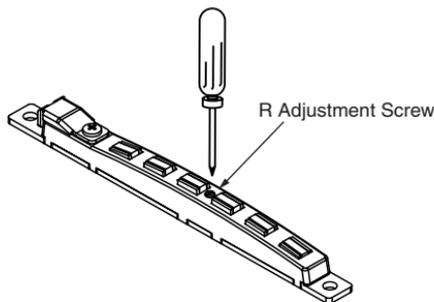
- * Refer to the guitar manual or catalog, or consult the guitar manufacturer.
- * If you are not sure of your guitar's curve, attach the pickup to the guitar with the yokes left in the lowered position, then adjust the yokes after the pickup has been installed.

2. Adjust the pickups with the supplied screwdriver.

When completely extended (i.e., with the adjustment screw turned fully clockwise), the yoke is set to approximately 184R; when the yoke is in the fully lowered position, the setting is approximately 400R.

If the guitar has a fingerboard curve with a value such as 250R or 300R, first adjust the yoke so that the yoke height is approximately midway between the fully extended and lowered positions, then adjust to the optimal positions after the pickup is installed.

- * Be sure not to turn the adjustment screw too much. When raising the yoke, rotate the adjustment screw slowly clockwise, and stop turning the screw at the point where you feel further resistance. Continuing to turn the screw beyond this point may result in damage to the unit.



Attaching the Divided Pickup

There are three ways to attach the divided pickup.

● Attaching the Pickup with Double-Sided Tape (p. 9)

This provides the simplest way to attach the pickup to flat-top guitars.

● Attaching the Pickup with Screws (p. 12)

This method features the benefit of allowing the pickups to be finely adjusted later on, but it is somewhat difficult to carry out.

- * Do not place any unnecessary strain on the cable connecting the pickup and the controller. This may result in breaking.
- * Do not bend or twist the pickup. Use particular care when removing the pickup.

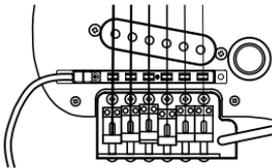
● Attaching the Pickup with the Pickup Holder (p. 13)

This is the simplest method for guitars with the bridge mounted on posts embedded in the guitar body.

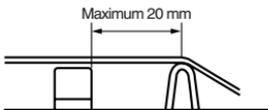
■ Attaching the Pickup with Double-Sided Tape

1. Place the pickup between the guitar's body and strings, and determine the position for attachment.

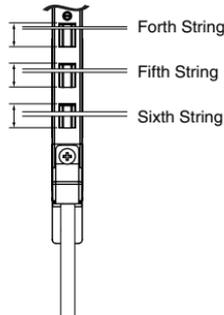
In principle, the pickup should be centered with respect to the six strings, as close to the bridge as possible.



- * If your guitar has a tremolo unit (whammy bar), then attaching the pickup at the bridge position may bring the pickup into direct contact with the tremolo unit. Position the pickup so that it will not interfere with operation of the tremolo unit.
- * Attach the pickup about 15 mm (9/16") from the bridge if your guitar is strung with copper, brass, or bronze wound strings, such as with an acoustic guitar.
- * Regardless of the guitar, do not position the divided pickup more than 20 mm (13/16") from the bridge.



- * When viewed from the front, the strings do not necessarily need to be aligned perfectly with the center of the yokes. Each string need only pass over some portion of its yoke.



- * Be sure the divided pickup is correctly oriented. The cord from the pickup should emerge from under the sixth string.

When you have determined the position in which the pickup is to be attached, mark the position with a pencil, cellophane tape or other appropriate marking.

2. Be sure the neck curvature and string height are set properly, then tune each string to its normal tuning.

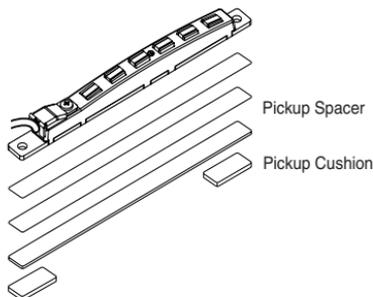
- * *Changes in the string height following installation of the GK-3 pickup may cause the clearance between the strings and the pickup to change, which can result in poorer sensitivity.*

3. Adjust the height of the pickup.

Insert the supplied spacers under the pickup until it is at the required height (do not yet remove the protective paper backing from the spacer's double-sided tape).

There are three types of pickup spacers, "A" (3 mm), "B" (1 mm) and "C" (0.25 mm); combine these as necessary to achieve the proper pickup height.

- * *The pickup height should be adjusted so that the distance between the pickup and the strings is about 1.0 mm (0.04") when the highest frets on the first and sixth strings are fingered. Check the height using the supplied clearance gauge (1.0 mm), and adjust the height as necessary (p. 11).*
 - * *If the first and sixth string heights differ greatly when the highest fret is fingered, compensate by adding the appropriate half-width or one-third width spacers until the clearance for both strings is the same.*
- When using an arch-top guitar, put the pickup cushions under the pickup spacers.



- * *Adjust the pickup cushion thickness as required, for example by using two pickup cushions.*
- * *The pickup spacers and the pickup cushions are attached to the guitar with double-sided tape. When affixing the tape, however, the tape's thickness is reduced by 0.1 mm (0.004") when the backing of the tape is removed. Therefore, when using several pickup spacers, take this fact into account and set the height slightly higher to compensate.*

4. Remove the strings from your guitar.

5. Remove the backing from the tapes for the pickup cushion, the pickup spacers, and the pickup, and carefully attach the pickup to the guitar.

- * *Although double-sided tape B is used for the pickup, if the adhesive capability seems insufficient after installation, use double-sided tape C instead.*
- * *Using double-sided tape C strongly and securely attaches the pickup. Note, however, that once the pickup is attached with this tape, removal from the guitar becomes difficult and may result in damage to the guitar's finish.*

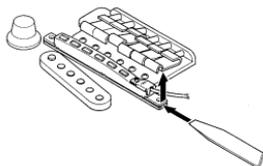
6. Restring and tune the guitar, then carefully check the height of the divided pickup once more.

Measure with the clearance gauge to confirm that the clearances between the pickup and the strings are approximately 1.0 mm (0.04") when you press the first and sixth strings at the highest fret, play the strings and confirm that the strings do not come into contact with the pickup.

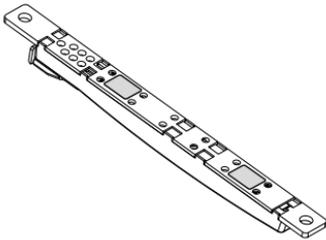
7. Take the steps below if the height of the divided pickup is not right.

- 1) Carefully examine the pickup in its current state, and add a suitable number of spacers if the pickup is too low, or remove one or more spacers if the pickup is too high.
- 2) Remove the strings from the guitar.
- 3) Remove the divided pickup from the guitar.

- * *Use care in handling the divided pickup; bending or twisting it may cause breaking in the coil elements. Carefully insert something thin and flat (like a table knife) under the Pickup from the sixth string side, then gently pry the pickup upwards.*



- 4) After removing the pickup, carefully remove the double-sided tape from the bottom of the pickup.
- 5) Adjust the height of the Pickup. If you wish to add a spacer, first completely remove the used double-sided tape from the top surface of the existing spacers, then add the new spacer. If you need to remove any spacers, remove the necessary number of spacers and completely remove the remaining double-sided tape from the top surface.
- 6) Attach two pieces of the new double-sided tape B to the bottom of the pickup.



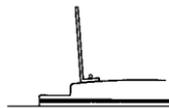
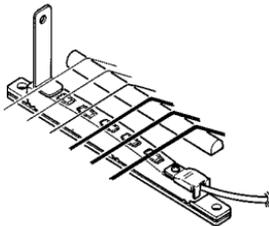
If when mounting the divided pickup you find that double-sided tape B lacks sufficient adhesion, use double-sided tape C.

- * Using double-sided tape C strongly and securely attaches the pickup. Note, however, that once the pickup is attached with this tape, removal from the guitar becomes difficult and may result in damage to the guitar's finish.
- 7) Attach the pickup to the top of the spacer that is applied to the guitar side.
 - 8) Restring and tune the guitar, then check the height of the Divided Pickup again.
- * Afterwards, you will need to adjust the pickup sensitivity when connecting to GK-compatible devices. However, you may find that the sensitivity level on the GK-compatible device is too high. In such instances, you may be able to correct the problem by widening the clearance between the strings and the pickup. Carry out Steps 1 through 8 again to lower the Pickup height slightly.

How to Use the Clearance Gauge

The divided pickup height must be adjusted so that the clearance between each string and the divided pickup is 1.0 mm (0.04") when the highest fret is fingered.

The clearance gauge supplied with the GK-3 is 1.0 mm thick; place the gauge between the strings and the divided pickup as shown in the figure below, then check and adjust the height.



■ Attaching the Pickup with Screws

The steps for determining the position for attaching the pickup and for checking the height are exactly the same as when using the double-sided tape. Refer to "Attaching the Pickup with Double-Sided Tape" (p. 9).

* The height of the strings from the body must be no less than 13 mm (9/16") when the pickup is attached with screws.

1. Determine the position for attaching the pickup. When you have determined the positioning, mark the position of the holes at each end of the pickup on the guitar's body.

2. Remove the strings from the guitar.

3. Using a drill or similar means, open pilot holes where the attachment screws are to go in.

* If the pilot holes are not made in the correct positions, then the pickup will not be attached in the correct position either. Use extra care when drilling the pilot holes.

* Make the pilot holes approximately 2 mm (0.08") in diameter.

* Drill pilot holes slightly more than 2 mm in diameter if the guitar body is made of a particularly hard material.

4. Place the springs between the pilot holes and the pickup as shown in the figure below, then secure the pickup with the screws.

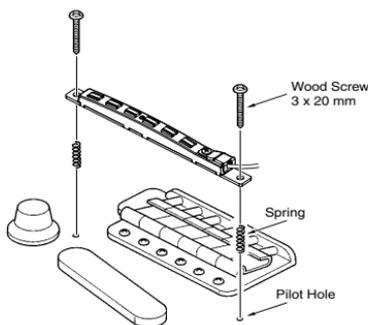
5. Restring and tune the guitar.

6. Adjust the height of the pickup.

* The pickup height should be adjusted so that the distance between the pickup and the strings is about 1.0 mm (0.04") when the highest frets on the first and sixth strings are fingered. Check the height using the supplied clearance gauge (1.0 mm).

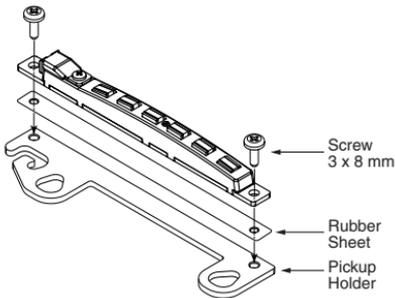
* Afterwards, when connecting to GK-compatible devices, you will need to adjust the pickup sensitivity again. However, you may find that the sensitivity level on the GK-compatible device is too high. In such instances, you may be able to correct the problem by widening the clearance between the strings and the pickup, so try lowering the Pickup height slightly to see if this approach is effective.

* If the springs are too long, use a pair of wire clippers to cut them to the correct size.



■ Attaching the Pickup with the Pickup Holder

1. Attach the divided pickup to the pickup holder.



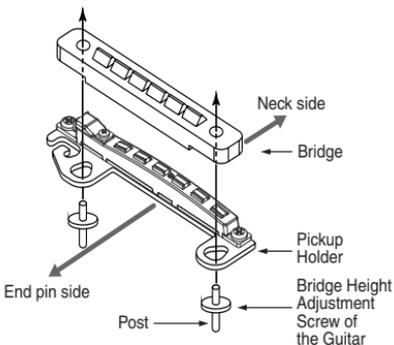
- * Tighten the screws until the pickup lightly presses down against the rubber sheet.

2. Remove the strings and the bridge from the guitar.

3. Lower the two bridge height adjustment screws of the guitar approximately 2 mm (0.08").

- * If the bridge is of the type whereby the posts themselves are adjusted, then lower the post height by 2 mm (0.08").

4. Place the holder on the posts, then cover it with the bridge.



5. Restring and tune the guitar.

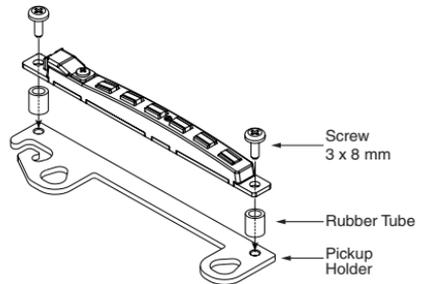
- * Tune the strings with the divided pickup adjusted to the optimal position (where all strings ride over their respective yokes).

6. Adjust the height of the pickup.

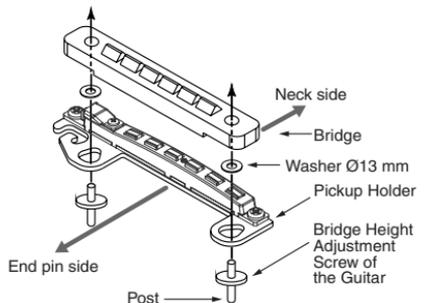
- * The pickup height should be adjusted so that the distance between the pickup and the strings is about 1.0 mm (0.04") when the highest frets on the first and sixth strings are fingered. Check the height using the supplied clearance gauge (1.0 mm).

- * If the pickup ends up being too low, use two rubber sheets layered together.

But the pickup still sits too low even after layering the two rubber sheets, then use the rubber tubes.



- * If the pickup position is too high, insert the included 13-mm washers between the pickup holder and the bridge.



- * Afterwards, when connecting to GK-compatible devices, you will need to adjust the pickup sensitivity again. However, you may find that the sensitivity level on the GK-compatible device is too high. In such instances, you may be able to correct the problem by widening the clearance between the strings and the pickup, so try lowering the Pickup height slightly to see if this approach is effective.

Checking and Finely Adjusting the Pickup Height

Use the clearance gauge to confirm that the clearance between each string and the pickup is about 1 mm. If the gap is greater than 1 mm (0.04"), make fine adjustments to the height of the pickup itself and to the pickup curve (refer to p. 8).

Attaching the Controller

There are two ways to attach the controller.

- **Attaching the Controller Unit with Holder (p. 16)**

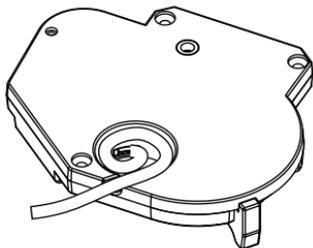
With this method, the holder is secured using the guitar's strap pin. This permits easy installation with no modification of the guitar required.

- **Attaching the Controller Unit with Double-Sided Tape and Screws (p. 17)**

This allows you to position the controller where you like on the guitar and, by not using the holder, reduce the thickness of the controller. However, attaching the controller with the tape and screw is difficult to do with arched top guitars.

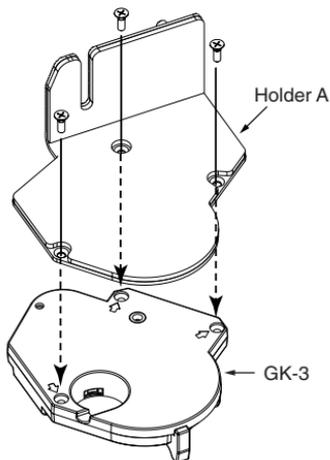
■ Adjusting the Length of the Pickup Cable

Place the controller where it is actually to be attached to the guitar to check the pickup cable length. If the cable is too long, wind it up in the space behind the controller.

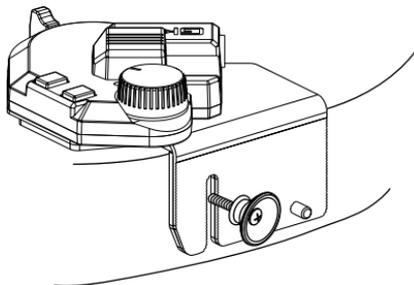


■ Attaching with the Holder

1. Remove three screws from the underside of the controller, then attach the GK-3 to holder "A."

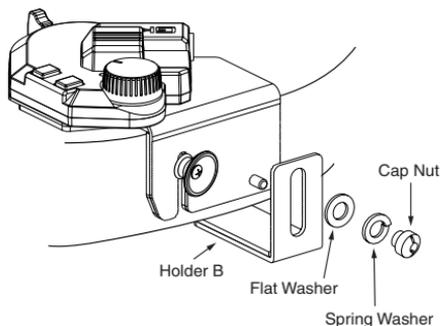


2. Loosen the guitar's end pin, and insert holder "A."



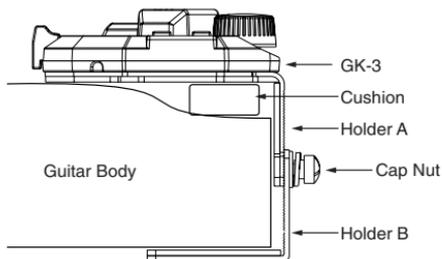
3. Screw in the end pin.

4. Attach holder "B" so that the guitar body is sandwiched between the two holders.



5. Tighten holders "A" and "B" using the flat washer, the spring washer, and the cap nut.

* When attaching the GK-3 to an arched top guitar, place the cushion between the guitar and holder "A."



■ Attaching with Double-sided Tape and a Screw

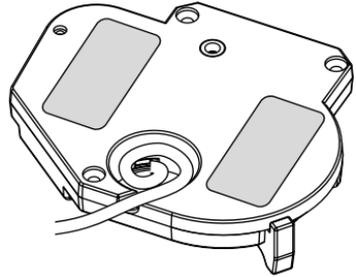
1. Place the controller in an appropriate position on the guitar surface to determine where it is to be attached. Pay attention to the following points at this time.

- Install on a level surface.
 - Position the controller so it does not interfere with your playing.
 - If your guitar includes a fine tuning control, position the controller so it does not interfere with operation of the fine tuning.
 - Position the controller so you can comfortably operate the select switch, the S1 and S2 switches, and other controls.
 - Position the controller so that it does not place undue strain on the Normal Pickup Input jack, divided pickup, or GK connector cables.
- * *Make sure that the plugs connected to the GK connector and Normal Pickup Input jack do not stick out, as this may result in damage should undue strain be placed on the GK connector or Normal Pickup Input jack.*

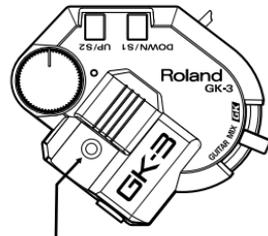
2. Once the controller position has been determined, place the controller in position and carefully drill a pilot hole in the guitar body where the controller's attachment hole is located.

- * *The diameter of the hole should be about 2 mm (0.08 inches).*
- * *Confirm that there are no other problems in attaching the controller before drilling the pilot hole.*

3. After attaching the double-sided tape A to the underside of the Controller, attach the controller to the guitar.



4. Secure the controller with the supplied screw (flat-head, 3x16 mm).



Put the screw (flat-head, 3x16 mm) through this hole.

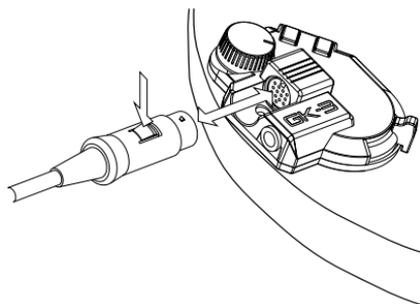
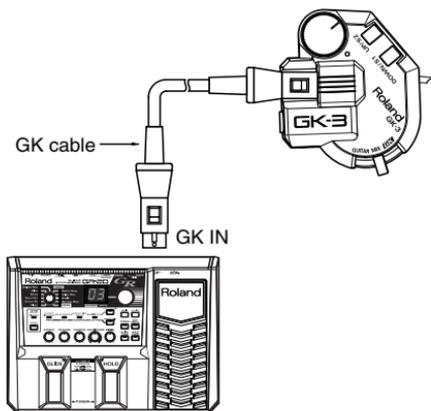
- * *If you'd rather not drill a hole in your guitar, you can secure the Controller using only the double-sided tape or the holders. However, if only the double-sided tape is used to secure the unit, shocks from rough handling during performances and from use over an extended period will cause the tape to deteriorate, with the GK-3 shifting out of position as a result. Furthermore, if the finish on your guitar is less than perfect, you may discover that the finish is also removed when you later remove the tape.*

How to Connect the GK-3

- * 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.
- * When connection cables with resistors are used, the volume level of equipment connected to the inputs (Normal Pickup Input jack) may be low. If this happens, use connection cables that do not contain resistors, such as those from the Roland PCS series.
- * When all devices are properly connected, turn on the power to the various devices in the order specified below. Turning on devices in the wrong order may result in malfunction and/or damage to speakers and other devices.

1. Make sure that the power to the GK-compatible device being connected is turned off, then connect the device to the GK-3's GK connector using the GK cable.

- * The GK cable is a locking cable. When disconnecting the cable, do not pull on it with undue force, but instead release the lock and gently disconnect the cable. You can disconnect the cable simply and easily by holding down the locking portion with your thumb and gently pulling on the plug.

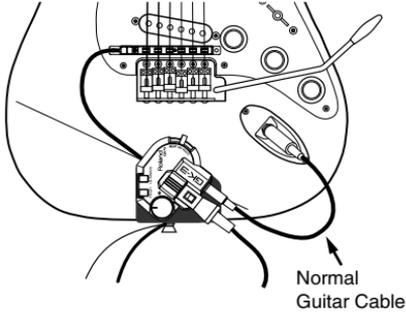


GK-compatible device



Connect the GK-3 only with dedicated GK cable (supplied with Roland GK-compatible devices and optional GK cables sold by Roland). Use of any other cable may result in damage or malfunction.

- 2. Use the included Normal guitar cable to connect the output jack on the guitar to the GK-3's Normal Pickup input jack.**

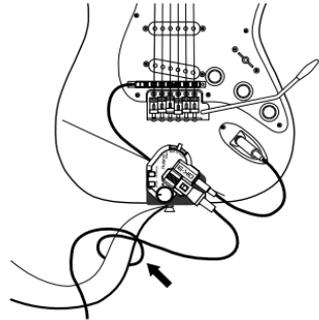


- * This connection is necessary not only for playing the guitar's normal (straight) sound as well as the guitar's straight sound mixed with the synthesizer sound, but also for connecting the guitar's ground and the GK-3's ground. Even if you are not going to use the guitar's straight sound at all, always make this connection because of the noise reduction benefits it provides.

- 3. Turn on the power to the connected GK-compatible device.**

The Power indicator on the Controller lights up. Now, when you play your guitar you'll hear the sound of the connected GK-compatible device.

- * The power indicator lights up when the GK-3 and the GK-compatible device are properly connected with a GK cable and the power to the GK-compatible device is turned on.
- * 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.
- * Before playing, be sure to wrap the cable around the guitar strap near the end pin. This will prevent the excess strain on the cable that can end up damaging the guitar or the GK-3.



Specifications

GK-3: Divided Pickup

● Controls

GK Volume
DOWN/S1 Switch
UP/S2 Switch
Select Switch

● Indicator

Power Indicator

● Connectors

GK Connector
Normal Pickup Input Jack

● Weight

60 g / 3 oz

● Accessories

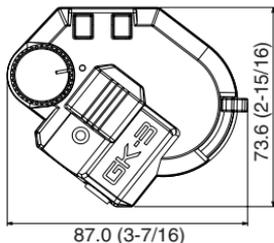
Normal Guitar Cable
Parts for installation
Owner's Manual

● Options

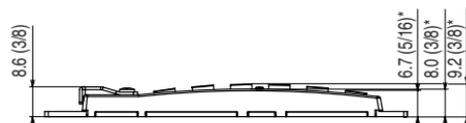
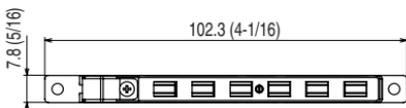
GK Cables: GKC-3, GKC-5, GKC-10
GK Parallel Box: GKP-4
Unit Selector: US-20

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

● Dimensions



Unit : mm (inch)



*...with yokes at maximum height

Unit : mm (inch)



N225

For EU Countries



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



This product must be disposed of separately at your local waste recycling centre. Do not dispose of in household waste bin.

Information

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

AFRICA

EGYPT
Al Fanny Trading Office
9, EBN Hag Ali Askalany Street
ARD El Galf, Heliopolis,
Cairo 11341, EGYPT
TEL: 20-2-417-1828

REUNION
Maison FO - YAM Marcel
25 Rue Jules Hermann,
Caudouan - 9779 491
St. Clothilde Cedex,
REUNION ISLAND
TEL: (0262) 218-429

SOUTH AFRICA
The Other Music Shop/PTY.Ltd.
11 Melrose, Braamfontein,
Johannesburg,
SOUTH AFRICA
TEL: (011) 403 4105
FAX: (011) 403 1234

Paul Bothner/PTY.Ltd.
Roland Cape Park, Unit 24
Londonsdorp Road, Ottens 7800
Cape Town, SOUTH AFRICA
TEL: (021) 799 4900

ASIA

CHINA
Roland Shanghai Electronics
Co., Ltd.
5F, No.1500 Pingliang Road
Shanghai 20090, CHINA
TEL: (021) 5580-0800

**Roland Shanghai Electronics
Co., Ltd.**
(BEIJING OFFICE)
10F, No.13 Section Anxuanli
Chaoyang District Beijing
100013 CHINA
TEL: (010) 6426-5050

**Roland Shanghai Electronics
Co., Ltd.**
(GUANGZHOU OFFICE)
2/F, No.30 Si You Nan Er Jie,
Wu Yi Xiang, Wu Yang, Xin Cheng,
Guangzhou 510600, CHINA
TEL: (020) 8736-0428

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

**Parsons Music Plaza, 83,
Kowloon, Railway Plaza, 83,
Chatham Road South, T.S.T.,
Kowloon, HONG KONG
TEL: 2333 1863**

INDIA
Raveda Digital (India) Pvt. Ltd.
409, Nirman Kendra
Mahalakshmi Flats Compound
Off. Dr. Edwin Moses Road,
Mumbai-400011, INDIA
TEL: (022) 2493 9051

INDONESIA
PT Citra Inti Rama
Jl. Cideng Timur No. 15J-150
Jakarta Pusat
INDONESIA
TEL: (021) 6324170

KOREA
Cosmos Corporation
1461-9, Secho-Dong,
Secho Ku, Seoul, KOREA
TEL: (02) 3486-8855

MALAYSIA
Roland Asia Pacific Sdn. Bhd.
45-1, Block C2, Jalan PPU 1/39,
Damansara Prima, 47801 Petaling
Jaya, Selangor, MALAYSIA
TEL: (03) 7805-3263

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

SINGAPORE
SWEET LEE MUSIC
COMPANY PTE. LTD.
150 Sims Drive,
SINGAPORE 387381
TEL: 6846-3676

TAIWAN
ROLAND TAIWAN
ENTERPRISE CO., LTD.
Room 5, 9F, No. 112 Chung
Shan N. Road Sec. 2, Taipei,
SINGAPORE, R.O.C.
TEL: (02) 2501 8339

THAILAND
Thera Music Co., Ltd.
330 Soi Yerng NankornKasem,
New Road, Sumpantawongse,
Bangkok 10100, THAILAND
TEL: (02) 224-8821

VIETNAM
SAIGON MUSIC
DISTRIBUTOR
(TAN DINH MUSIC)
138 Tran Quang Khai Street
Dist. 1, Ho Chi Minh City
VIETNAM
(08) 848-4068

AUSTRALIA/ NEW ZEALAND

**AUSTRALIA/
NEW ZEALAND**
Roland Corporation
Australia Pty., Ltd.
30 Campbell Avenue
Dee Why West, NSW 2099
AUSTRALIA

For Australia
TEL: (02) 8982 8266
For New Zealand
TEL: (09) 3098 715

CENTRAL/LATIN AMERICA

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

BARBADOS
A&M Music Supplies LTD
2 Webster Industrial Park
Wildey, St. Michael, Barbados
TEL: (246) 430-1100

BRAZIL
Roland Brazil Ltd.
Rua. San Jose, 780 Sala B
Parque Industrial San Jose
Cotia - Sao Paulo - SP, BRAZIL
TEL: (011) 4615 5666

CHILE
Comercial Fanny H.S.A.
Rta. 9c, 919, 420-1
Nataliel Cox #739, 4th Floor
Santiago - Centro, CHILE
TEL: (02) 688-9540

COLOMBIA
Centro Musical Ltda.
Cra. 48 No. 25 A 41, Bodegona 9
Medellin, Colombia
TEL: (57) 3812529

COSTA RICA
JUAN Bansbach Instrumentos
Avenida 1, Calle 11, Apartado 10237,
San Jose, COSTA RICA
TEL: 238-4111

CURACAO
Zeelandia Music Center Inc.
Onno van der
Curacao, Netherlands Antilles
TEL: (00595)928686

DOMINICAN REPUBLIC
Instrumentos Fernando Giraldez
Calle Proyecto Central No.3
En La Esperanza,
Santo Domingo,
Dominican Republic
TEL: (809) 683 0305

ECUADOR
Misa Musika
Cuzco Industrial
Cajalazuza #2 y Zaruma
Guayaquil - Ecuador
TEL: (593-4)203264

EL SALVADOR
OMNI MUSIC
75 Avenida Norte y Final
Alameda Juan Pablo II,
Edificio No.4010 San Salvador,
EL SALVADOR
TEL: 262-9788

GUATEMALA
Casa Instrumental
Calleza Roosevelt 34-01, zona 11
Ciudad de Guatemala
Guatemala
TEL: (502) 999-2888

HONDURAS
Almuerzo Pajano Anal S.A. de C.V.
BO. Paz Barahona
3 Ave. 11 Calle S.O
San Pedro Sula, Honduras
TEL: (504) 753-2029

MARTINIQUE
Musique & Son
S.L. Les Mangle
97232 Le Lamantin
Martinique F.W.I.
TEL: 596 596-42660

Gigamusik SARI
10 Rue De La Folie
97200 Fort De France
Martinique F.W.I.
TEL: 596 596 71522

MEXICO
Casa Veerkamp, s.a. de cv.
Av. Toluca No. 323, Col. Obrar
de los Pades #1780 Mexico
D.F. MEXICO
TEL: (55) 5668-6699

Nicaragua
Ransbach Instrumentos
Musicales Nicaragua
Altamira D'Este Calle Principal
de la Farmacia Sta. Avenida
1 Cuadra al Lago #503
Managua, Nicaragua
TEL: (505)277-2557

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

PARAGUAY
Distribuidora De
Instrumentos Musicales
J.E. Olear y C.SQ. Manduvira
Asuncion PARAGUAY
TEL: (995) 21 492147

PERU
Audison
Distribuciones Musicales SAC
Juan Fanning 530
Miraflores
Lima - Peru
TEL: (011) 4661388

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

URUGUAY
Tudo Musica S.A.
Francisco Acuna de Figueroa
1771
C.P.: 11 800
Montevideo, URUGUAY
TEL: (02) 924-2335

VENEZUELA
Instrumentos Musicales
Allegro, C.A.
Av. Las Industrias edf. Guro
import
#7 zona Industrial de Turismo
Caracas, Venezuela
TEL: (212) 244-1122

EUROPE

AUSTRIA
Roland Elektronische
Musikinstrumente HmbH.
Austrian Office
Eduard-Bodern-Gasse 8,
6-6/20 Innsbruck, AUSTRIA
TEL: (0512) 26-44 260

**BELGIUM/FRANCE/
HOLLAND/
LUXEMBOURG**
Roland Central Europe N.V.
Houtstraat 1, B-2260, Oevel
(Westerlo) BELGIUM
(014) 975811

CZECH REP.
K-AUDIO
Karasovska 626,
CZ-158 00 Praha 9,
CZECH REP.
TEL: (2) 666 10529

DENMARK
Roland Scandinavia/S
Nordhavnsvej 7, Postbox 880,
DK-2100 Copenhagen
DENMARK
TEL: 3916 6200

FINLAND
Roland Scandinavia AS, Filial
Finland
Elenorintie 5
FIN-01510 Vantaa, FINLAND
TEL: (09) 68 24 020

GERMANY
Roland Elektronische
Musikinstrumente HmbH.
Oststrasse 96, 22844
Norderstedt, GERMANY
TEL: (040) 52 0090

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

HUNGARY
Roland East Europe Ltd.
Warehouse Area "DEPO" Pf.83
H-2046 Tomkaihalmt,
HUNGARY
TEL: (23) 511011

IRELAND
Roland Ireland
62 Calmount Park, Calmount
Avenue, Dublin 12
REPUBLIC OF IRELAND
TEL: (01) 4294444

ITALY
Roland Italy S. P. A.
Viale delle Industrie 8,
20020 Arosio, Milano, ITALY
TEL: (02) 937-78300

NORWAY
Roland Scandinavia Avd.
Kontor Norge
Lilleveierstedt 2 Postboks 95
Lilleaker NO-0216 Oslo
NORWAY
TEL: 2275 0741

POLAND
MUS MUSIC SP.Z.O.O.
Ul. Gibraltarska 4,
PL-03664 Warszawa POLAND
TEL: (022) 679 44 19

PORTUGAL
Roland Iberia, S.L.
Gen. G. Zaidan St., Chahine
Cais das Pedras, 8/9-1 Dto
4050-465, Porto, PORTUGAL
TEL: 22 68 00 60

ROMANIA
FBS LINES
Piata Libertatii 1,
53500 Gheorgheni,
ROMANIA
TEL: (266) 364 609

RUSSIA
MikTAK
Dorozhnaya ul. 3.korp.6
117 545 Moscow, RUSSIA
TEL: (095) 981-4967

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

SWEDEN
Roland Scandinavia S/S
SWEDISH SALES OFFICE
Danvik Center 25, 216
S-131 30 Nacka SWEDEN
TEL: (08) 702 00 20

SWITZERLAND
Roland (Switzerland) AG
Lindlimmerstr. 5, Postfach,
CH-4452 Hingen,
SWITZERLAND
TEL: (061) 927-8383

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

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

MIDDLE EAST

BAHRAIN
Moon Stores
No.16, Bab Al Bahrain Avenue,
P.O.Box 247, Manama 304,
State of BAHRAIN
TEL: 17 211 005

CYPRUS
Rades Sound Equipment Ltd.
17, Diagorou Street, Nicosia,
CYPRUS
TEL: (022) 66-9426

IRAN
MOCO INC.
401 Nik St., De-Shariyat Ave.,
Rohyerey Cerah Miradmand
Tehran, IRAN
TEL: (01) 285-4169

ISRAEL
Halili P., Greenspoon & Sons
Ltd.
8 Retziw Ha'aliya Hashnya St.
Tel-Aviv-Yah. ISRAEL
TEL: (03) 682366

JORDAN
MUSIC HOUSE CO. LTD.
FREEDY FOR MUSIC
P.O. Box 922846
Amman 11192 JORDAN
TEL: (06) 5629626

KUWAIT
EUSA HUSAIN AL-YOUSIFI
& SONS CO.
Abdullah Salem Street,
Safat, KUWAIT
TEL: 243-6399

LEBANON
Chahine S.A.L.
Gen. G. Zaidan St., Chahine
Bldg., Achrafieh, P.O.Box 16-
5857
Beirut, LEBANON
TEL: (01) 29-1441

OMAN
TALENTZ CENTRE L.L.C.
Malatan House No.1
Al Noor Street, Ruwi
SULTANATE OF OMAN
TEL: 2478 3443

QATAR
Al Emadi Co. (Badi Studio &
Stores)
P.O. Box 62, Doha, QATAR
TEL: 4623-254

SAUDI ARABIA
alDawah Universal
Electronics AFL
Corniche Road, AlDobayb
Bldg., 1st Floor, AlKhobar,
SAUDI ARABIA
TEL: (013) 29-1441

SYRIA
Technical Light & Sound
Center
Ravda, Abdou Qader Jazairi St.
Bldg. No. 21, P.O.Box 13520,
Damascus, SYRIA
TEL: (011) 223-5384

TURKEY
ZUHAI DIS TICARET A.S.
Galip Dede Cad. No.37
Beyoglu - Istanbul / TURKEY
TEL: (0212) 249 85 10

U.A.E.
Zak Electronics & Musical
Instruments Co., L.L.C.
Zabeel Road, Al Sherouq Bldg.,
No. 14, Grand Floor, SWANSEA
U.A.E.
TEL: (04) 3360715

NORTH AMERICA

CANADA
Roland Canada Music Ltd.
(Head Office)
5480 Parkwood Way
Richmond B.C., V6V 2M4
CANADA
TEL: (604) 270 2626

Roland Canada Music Ltd.
(Toronto Office)
170 Admiral Boulevard
Mississauga ON L5T 2N6
CANADA
TEL: (905) 362 9707

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

Roland Corporation