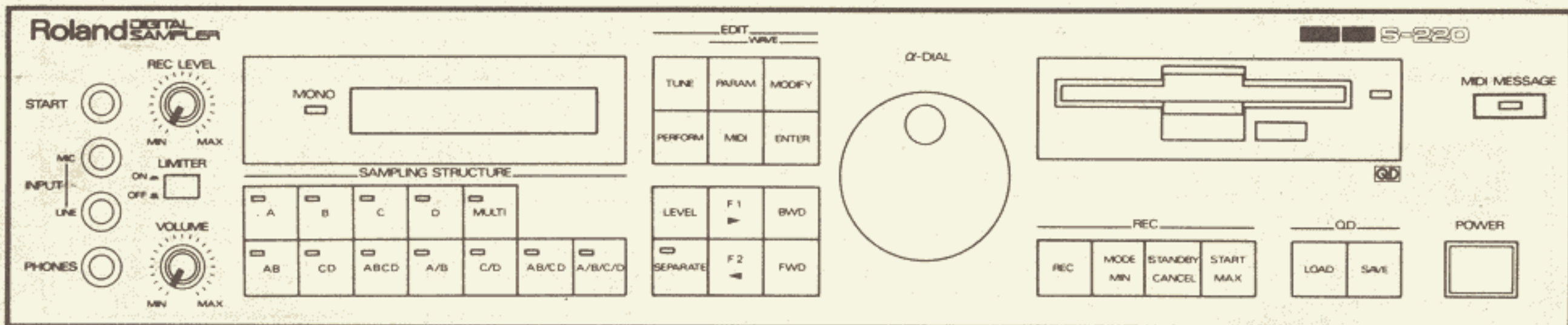


# Roland

## MIDI DIGITAL SAMPLER

# S-220

### Owner's Manual



The Roland Digital Sampler S-220 is a completely new type of MIDI Sound Module which can record (sample and record into computer memory) all sorts of sounds, then play these sounds via a connected instrument.

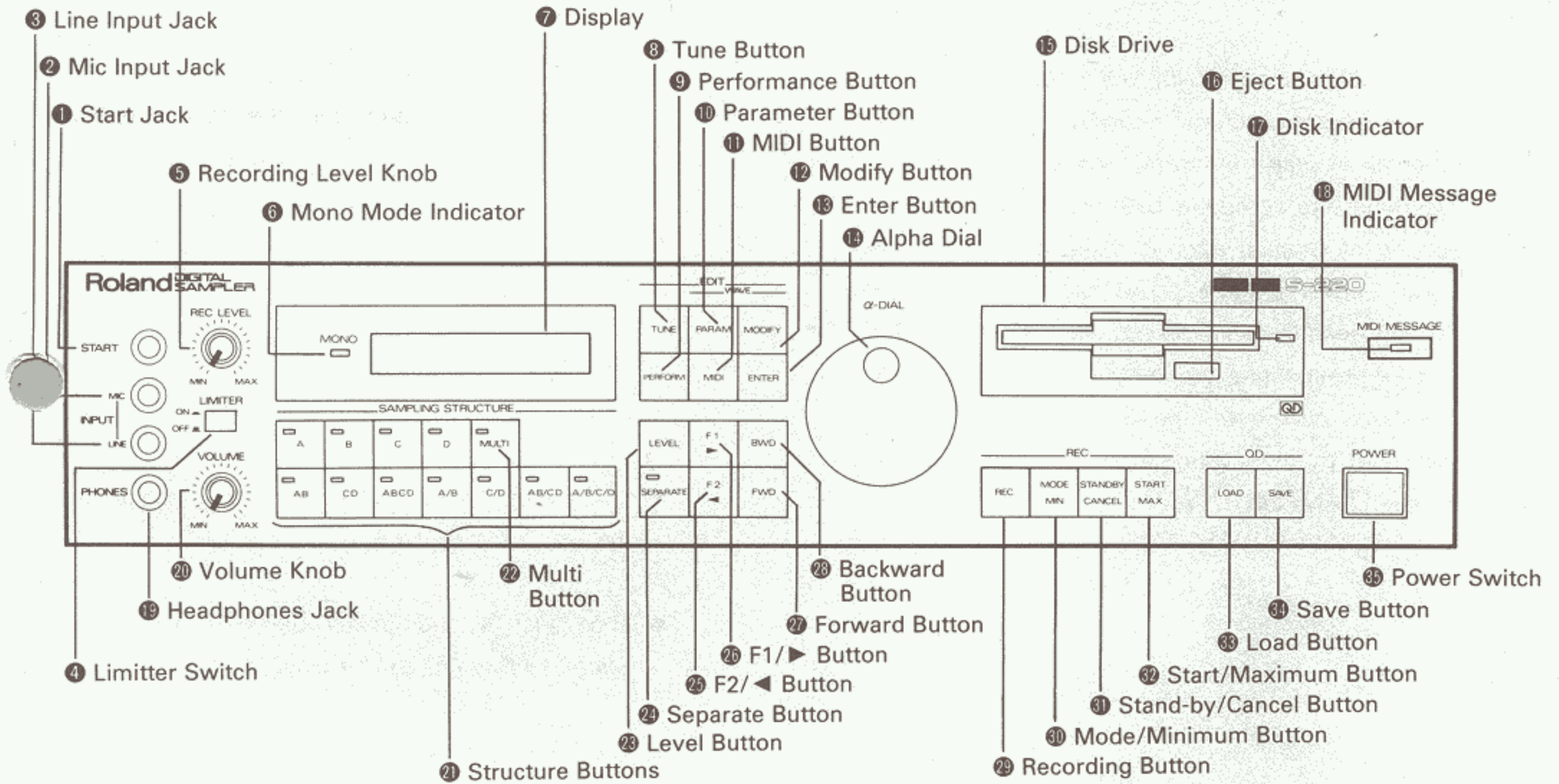
The S-220 is conceptually like a tape recorder, in that it records sound. However, the recording process is very different, since the S-220 is recording into computer memory. Computers can accept information only as digital signals, so the S-220 converts audio signal into digital. It does this by examining (sampling) the incoming signal level a great many times every second, and sequentially recording these different levels in computer memory. This digital recording process is called SAMPLING.

## FEATURES

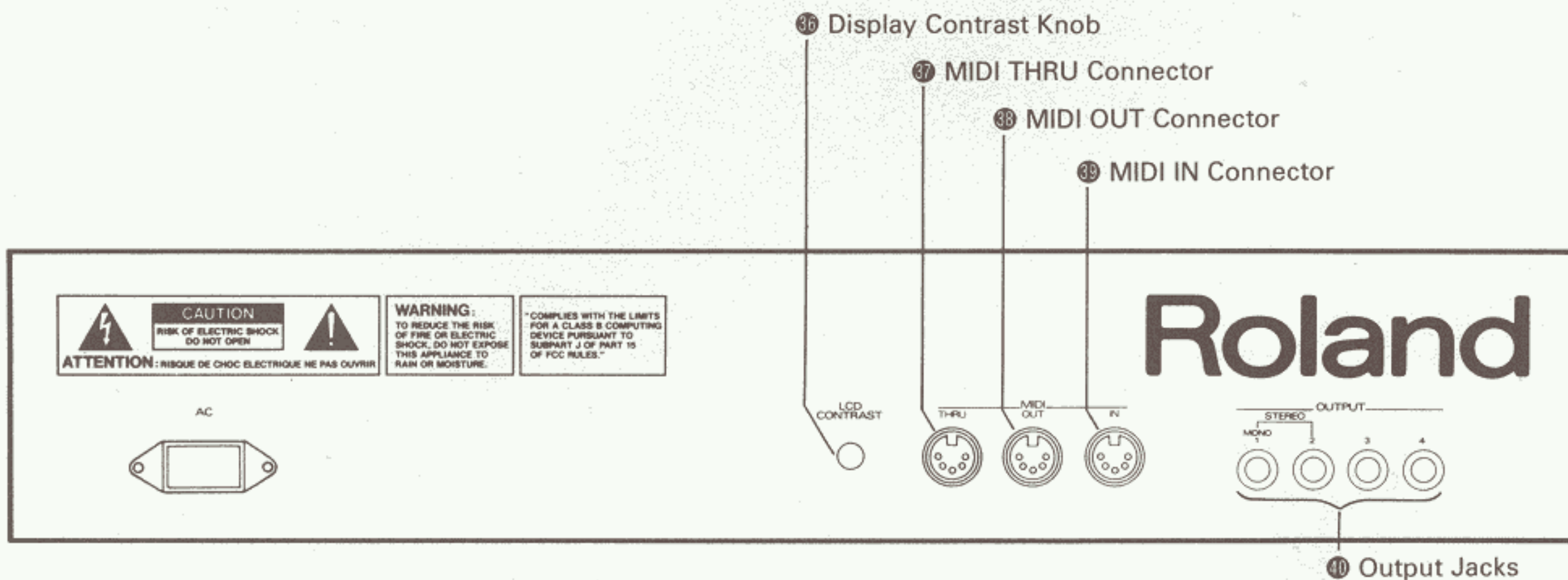
- The S-220 has four Banks (A, B, C and D) to record the sounds, therefore any of the four samples can be instantaneously selected.
- The S-220 features a dynamics function.
- The Split function allows it to play two different sounds in the upper and the lower sound ranges.
- The sound you have recorded can be saved onto a 2.8 inch quick disk (QD) for future use.
- The liquid crystal display and the alpha dial serve to make the operation quicker and easier.
- MIDI Mono Mode makes the S-220 useful for the GR Guitar System.
- The S-10 Roland Digital Sampling Keyboard Sound Library QD can be used for the S-220.
- The MULTI function allows the S-220 to behave like several sound modules, with different sounds.

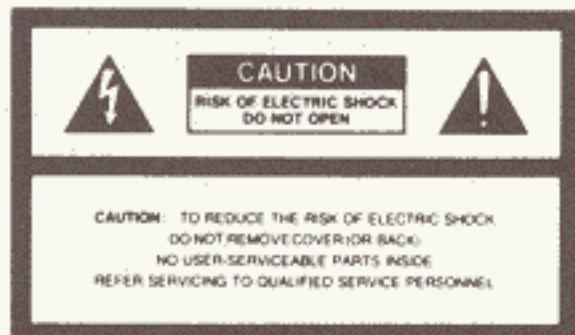
# PANEL DESCRIPTION

[Front Panel]



[Rear Panel]





The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated "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

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

1. Read all the instructions before using the product.
2. To reduce the risk of injury, close supervision is necessary when a product is used near children.
3. 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.
4. This product should be used only with a cart or stand that is recommended by the manufacture.
5. 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 level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
6. The product should be located so that its location or position does not interfere with its proper ventilation.
7. The product should be located away from heat sources such as radiators, heat registers or other products that produce heat.
8. The product should avoid using in where it may be effected by dust.
9. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
10. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
11. Do not tread on the power-supply cord.
12. Do not pull the cord but hold the plug when unplugging.
13. When setting up with any other instruments, the procedure should be followed in accordance with instruction manual.
14. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
15. 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 into 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.
16. 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.

## SAVE THESE INSTRUCTIONS

### ADVARSEL!

Lithiumbatteri. Eksplosionsfare.  
Udskiftning må kun foretages af en sagkyndig, og som beskrevet i servicemanual.

### VARNING!

Lithiumbatteri. Explosionsrisk.  
Får endast bytas av behörig servicetekniker.  
Se instruktioner i servicemanualen.

### ADVARSEL!

Lithiumbatteri. Fare for eksplotion.  
Må bare skiftes av kvalifisert tekniker som beskrevet i servicemanualen.

### VAROITUS!

Lithiumparisto. Räjähdyksvaara.  
Pariston saa vaihtaa ainoastaan alan ammottimies.

### WARNING

THIS APPARATUS MUST BE EARTH GROUNDED.

The three conductors of the mains lead attached to this apparatus are identified with color as shown in the table below, together with the matching terminal on the UK type power plug. When connecting the mains lead to a plug, be sure to connect each conductor to the correct terminal, as indicated.

"This instruction applies to the product for United Kingdom."

MAINS LEADS		PLUG
Conductor	Color	Mark on the matching terminal
Live	Brown	Red or letter L
Neutral	Blue	Black or letter N
Grounding	Green-Yellow	Green, Green-Yellow, letter E or symbol

#### Bescheinigung des Herstellers /Importeurs

Hiermit wird bescheinigt, daß der/die/das

ROLAND DIGITAL SAMPLING MODULE S-220

(Gerat, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der

Amtsbl. Vfg 1046 / 1984

(Amtsblattverfügung)

funk-entstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Roland Corporation Osaka / Japan

Name des Herstellers/Importeurs

#### RADIO AND TELEVISION INTERFERENCE

**Warning** - This equipment has been verified to comply with the limits for a Class B computing device, pursuant to Subpart J, of Part 15, of FCC rules. Operation with non-certified or non-verified equipment is likely to result in interference to radio and TV reception.

The equipment described in this manual generates and uses radio-frequency energy. If it is not installed and used properly, that is, in strict accordance with our instructions, it may cause interference with radio and television reception.

This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J, of Part 15, of FCC Rules. These rules are designed to provide reasonable protection against such interference in a residential installation.

However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by the following measure:

• Disconnect other devices and their input/output cables one at a time. If the interference stops, it is caused by either the other device or its I/O cable.

These devices usually require Roland designated shielded I/O cables. For Roland devices, you can obtain the proper shielded cable from your dealer. For non-Roland devices, contact the manufacturer or dealer for assistance.

If your equipment does cause interference to radio or television reception, you can try to correct the interference by using one or more of the following measures:

- Turn the TV or radio antenna until the interference stops.
- Move the equipment to one side or the other of the TV or radio.
- Move the equipment farther away from the TV or radio.
- Plug the equipment into an outlet that is on a different circuit than the TV or radio. (That is, make certain the equipment and the radio or television set are on circuits controlled by different circuit breakers or fuses.)
- Consider installing a rooftop television antenna with coaxial cable lead in-between the antenna and TV.

If necessary, you should consult your dealer or an experienced radio/television technician for additional suggestions. You may find helpful the following booklet prepared by the Federal Communications Commission:

"How to Identify and Resolve Radio-TV Interference Problems"  
This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402. Stock No. 004 000 00345-4.

Please read the separate volume "MIDI", before reading this owner's manual.

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