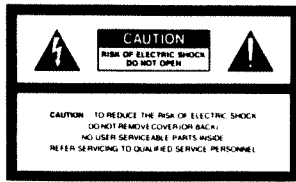


Roland

MA-12C MICRO MONITOR INSTRUCTIONS

■ FEATURES

- The Roland MA-12C is 10W (R.M.S.) output amplifier equipped with a newly developed 10cm full-range magnet-shielded speaker unit.
- The MA-12C adopts active circuits for low boosting and high boosting, therefore, is free from sound deterioration and allows fine sound adjustment of all kinds of input signal.
- Three Input Jacks, MIC, INST and LINE, are provided and can be used at the same time (=mixing). Also, these inputs can be directly connected to a rhythm machine, keyboard, cassette deck, CD player, etc.
- The sound of the MA-12C does not make the listener tired even after a long time listening.
- It is a compact yet high quality monitor amplifier.



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. 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 manufacture.
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 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 avoid using in where it may be effected by dust.
8. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
9. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
10. Do not tread on the power-supply cord.
11. Do not pull the cord but hold the plug when unplugging.
12. When setting up with any other instruments, the procedure should be followed in accordance with instruction manual.
13. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
14. 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.
15. 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

GROUNDING INSTRUCTION

This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric shock. This product is equipped with a cord having an equipment-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 servicemen 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.

WARNING

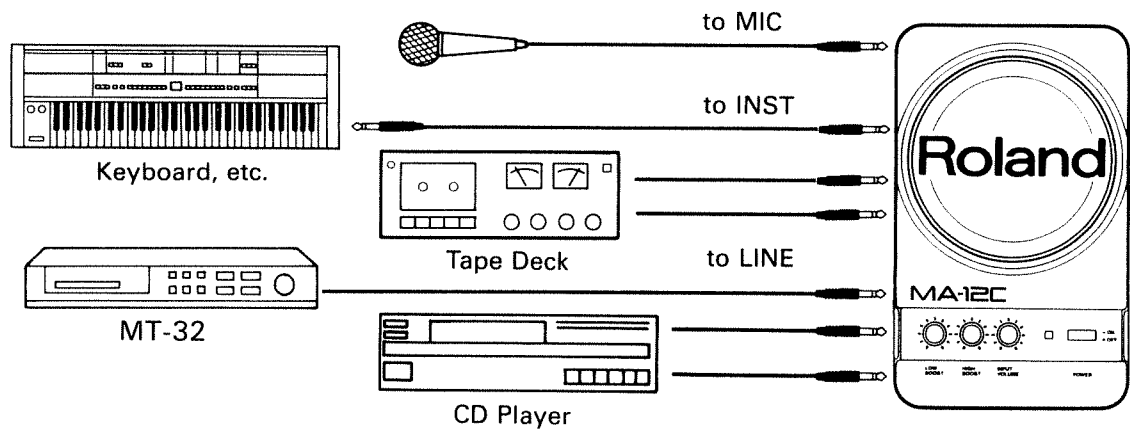
THIS APPARATUS MUST BE EARTH GROUNDED.

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

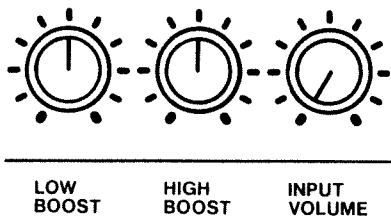
■ CONNECTION



* Inputs, INST and LINE, can be used at the same time. Input the signals of Lch and Rch to the INST and the LINE respectively when playing a stereo source in monaural. The devices to be connected to Inputs INST or LINE cannot be connected to the Input MIC.

■ OPERATION

- ① Set the Input Volume Knob on the front panel fully counterclockwise (minimum) and set the low Boost and the High Boost Knobs at the center positions.



- ② Connect electronic musical instruments and/or audio equipment to the Input Jacks on the rear panel.
- ③ Make sure that the unit is turned off, and connect the AC plug to an outlet.

- ④ Push the Power Switch to turn the unit on.
- ⑤ Slowly rotate the Volume Knob clockwise until you get a desired volume.

* This knob is provided for controlling the overall volume, not for controlling the volumes of the three inputs. When using more than one device at the same time, control the volume balance by adjusting the volume of each device.

* Feeding the signal through a microphone may cause howling. If so, please rotate the Volume Knob counterclockwise, or move the microphone away from the unit.

- ⑥ Adjust the Low Boost and the High Boost Knobs to make a desired sound.

■ IMPORTANT NOTES

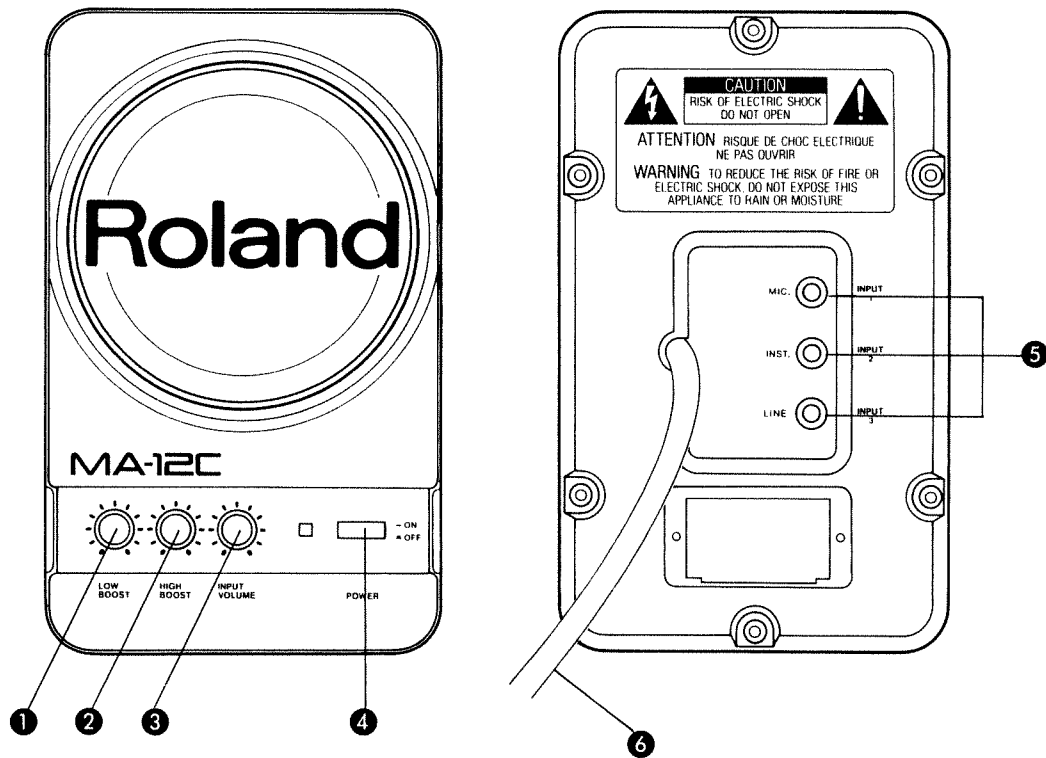
- Operating the unit near neon or fluorescent lamp may cause noise interference. If so, change the position or the angle of the units. Placing the musical instruments too close to each other may also cause noise.
- Do not connect or disconnect to the plug with the unit switched on, to protect the speaker from excessive strain.
- When setting up a musical instrument with the unit, connect the connection cord to the musical instrument first, then to the unit. When disconnecting, pull out the cord from the unit first, then from the musical instrument.
- Avoid giving a strong shock to the unit and do not move it while it is being operated.
- Do not use the unit in extreme humidity or heat, or where it may be affected by dust or direct sunlight.
- Clean the unit with a mild detergent, and do not use solvents such as thinner.
- The MA-12C adopts cancelling magnet system, however keep floppy disks or recorded tapes away from it for safety.
- In case MA-12C distorts the image on the monitor display, locate it away from the display.

■ SPECIFICATIONS

Output	10W
Speaker	10cm full-range (6Ω) × 1
Input	[MIC] -45dBm [INST] -15dBm [LINE] -15dBm
Input Impedance	[MIC] 1kΩ [INST] 50kΩ [LINE] 50kΩ
Controls	Input Volume × 1 Low Boost × 1 High Boost × 1
Consumption	16W [117V], 28W [220V, 240V]
Dimensions	132(W) × 218(H) × 165(D)mm/ 5 ³ / ₁₆ "(W) × 8 ⁹ / ₁₆ "(H) × 6 ¹ / ₂ "(D)
Weight	2.5kg/5lb 8oz
Option	Micro Monitor AMP Holder MAH-1

* Specifications are subject to change without notice.

■ PANEL DESCRIPTION



❶ Low Boost Knob

This boosts the lower frequencies of the input signal. Rotating the knob clockwise deepens the effect. Usually, set it at the center position, and adjust it as you listen to the sound.

❷ High Boost Knob

This boosts the higher frequencies of the input signal. Rotating the knob clockwise deepens the effect. Usually, set it at the center position, and adjust it as you listen to the sound.

❸ Input Volume Knob

This adjusts the volume of sound. Rotating it clockwise increases the volume.

❹ Power Switch

Push this to turn the unit on (the red indicator lights up), and push it again to turn off.

❺ Input Jacks (1,2 and 3)

Connect a microphone to Input 1 (MIC), electronic musical instruments such as a keyboard or rhythm machine to Input 2 (INST), and audio equipment such as a tape recorder or CD player to Input 3 (LINE).

❻ AC Cord

Connect this securely to an AC outlet.

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