

# Stereo Preamplifier PA-S1

## Owner's Manual

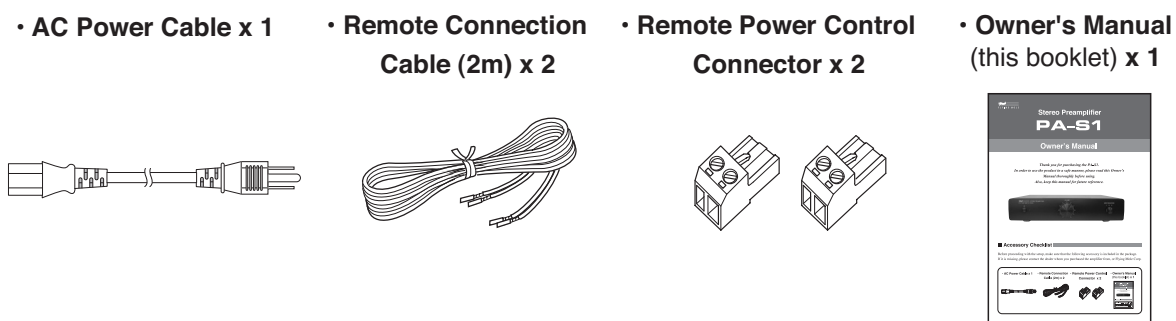
Thank you for purchasing the PA-S1.

In order to use the product in a safe manner, please read this Owner's Manual thoroughly before using.  
Also, keep this manual for future reference.



### Accessory Checklist

Before proceeding with the setup, make sure that the following accessory is included in the package. If it is missing, please contact the dealer whom you purchased the amplifier from, or Flying Mole Corp.



### Safety Instructions

THE APPARATUS IS NOT WATERPROOF. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE AND DO NOT PUT ANY WATER SOURCE NEAR THIS APPARATUS, SUCH AS VASE, FLOWER POT, COSMETICS CONTAINER AND MEDICINE BOTTLE, ETC.

### IMPORTANT NOTICE

If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures : Relocate either this product or the device that is being affected by the interference. Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna.

If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product.

If you can not locate the appropriate retailer, please contact Flying Mole Corporation.

## 2 Features

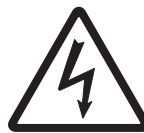
### High Quality Sound Design

- Active Control circuitry enables accurate volume control by eliminating contact electrical losses and protects against sound quality deterioration by removing influences of characteristic changes, enabling high quality sound enjoyment at any output level.
- Newly developed Logic Circuit eliminates mechanical contact on the signal path to realize the Straight Wire Concept Amplifier.
- Flying Mole Switching Power Supply ensures speed and accuracy in any musical passage.

### Elegant Cosmetics, Quality Finish, and Superior Parts

- Ultra thick (Max. 10mm) Aluminum Front Panel
- Solid Aluminum Construction for High Vibration Damping
- Gold Plated RCA Pin Jacks
- Solid Aluminum Knobs
- Cosmetics designed by world famous GK Industrial Design, Inc.

## 1 Safety Instructions



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION :** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.



THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE OWNER'S MANUAL WITH THIS UNIT.

**WARNING :** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

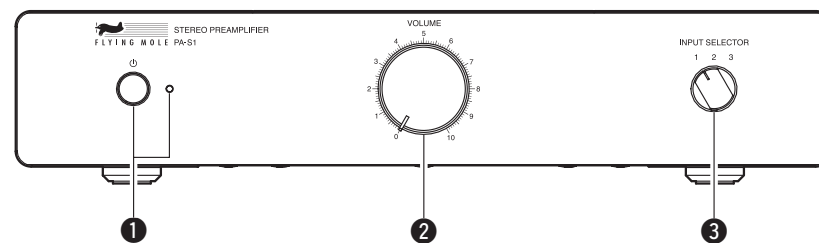
### The important safety instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operated normally, or has been dropped.



## 3 Component Names

### Front Panel



#### 1 POWER SWITCH / POWER INDICATOR

Used to turn the amplifier's power ON or OFF. The indicator lights when the power is turned ON.

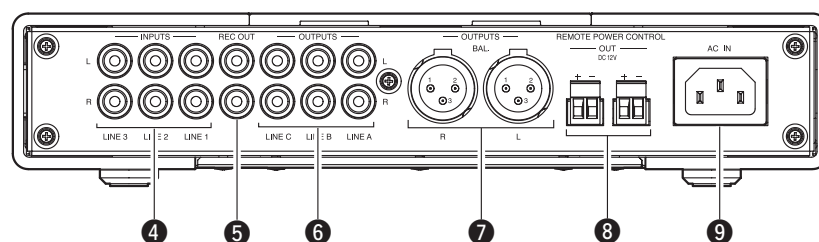
#### 2 VOLUME CONTROLLER

Controls the output level. Setting the controller to "0" turns down the volume to the minimum.

#### 3 INPUT SELECTOR

Used to select a source to be played. Turn this selector to select a source from the LINE 1-3 connected to the INPUT JACKS (4).

### Rear Panel



#### 4 INPUT JACKS

Used to connect the input signal to the amplifier. Connect the jacks to the LINE OUT jacks on a CD player, etc. Three (3) sets of L/R plugs can be connected to the LINE 1 - 3 jacks.

#### 5 REC OUT JACKS

Used to connect the output signal from the amplifier for recording. Connect input terminals (LINE IN or REC) on a tape recorder, etc. The signal from the source selected with the INPUT SELECTOR (3) will be output unchanged from these jacks.

#### 6 OUTPUT JACKS (Unbalanced)

Used to connect the output signal to the power amplifier. Connect the jacks to the power amplifier with RCA Pin cables.

#### 7 OUTPUT CONNECTORS (Balanced)

Used to connect the output signal to the power amplifier. Connect balanced output to the power amplifier with Cannon (XLR) connector cables.

The signal arrangement of the connector is:  
1: GND, 2: HOT, and 3: COLD.

\* The same signals are output from the LINE A to C (6) and BAL (7) OUTPUT CONNECTOR respectively for L and R. Up to eight (8) channels can be used for connecting power amplifiers.

#### 8 REMOTE POWER CONTROL TRIGGER OUTPUTS

Used to interlock the activation/deactivation of power on the device connected to this product with the activation/deactivation of power on this product. Connect these jacks to a Flying Mole product equipped with remote power control trigger inputs

\* Refer to the owner's manuals of the devices to be connected as well.  
\* These jacks cannot be used with products from other manufactures or for other purposes than the above-mentioned purpose.

#### 9 AC IN CONNECTOR

Used to connect the supplied AC power cable to the amplifier. Connect the other end of the AC power cable to AC outlet.

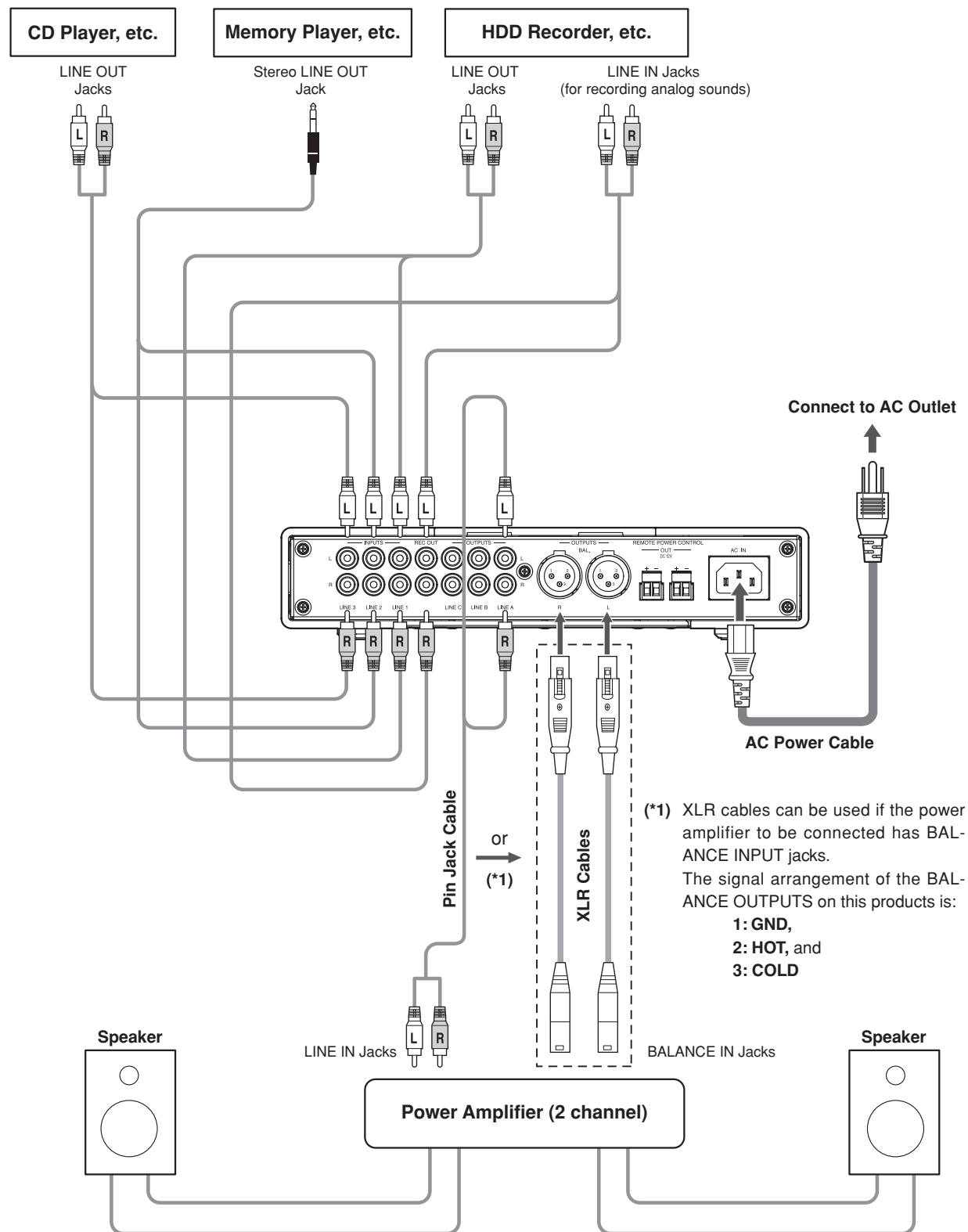
## 4 Connections

### Connecting Devices

- Make sure the power of all related equipments is turned off, when wiring and checking their polarity.
- Make sure that the cable is not shorted, when connecting the speaker cable.
- Connect the power cable after all connections are complete.
- This product should be placed close to the main source of electrical power (wall outlet in your house) and keep the power plug within reach.
- Connectors names may be different from this manual.

\* Refer to the owner's manuals of the equipments to be connected as well.

#### Connection Example 1: Common setting for playing stereo sounds

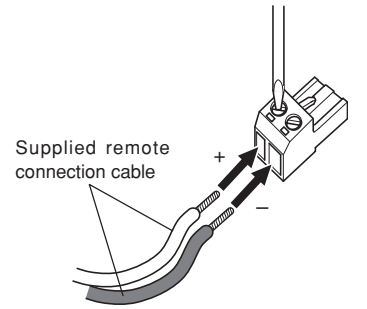


### Connection of the REMOTE POWER CONTROL Trigger

By connecting the REMOTE POWER CONTROL Trigger, the activation/deactivation of power on a Flying Mole power amplifier equipped with REMOTE POWER CONTROL Trigger Input can be interlocked with the activation/deactivation of power on this device. Refer to the owner's manuals of the devices to be connected as well before connecting cables.

1. Remove the attachment to the REMOTE POWER CONTROL connectors.
2. Remove insulation material around the ends of the supplied remote connection cables and twist the wires until they are stranded securely.
3. Insert the wires into the holes in the attachment and tighten the screws to fix the cables. (Be sure to check polarity before connection)

\* Treat the other ends of the cables (power amplifier side) as in the steps 1 to 3 above. (Remove the connectors attached to the power amplifier.)



4. Plug the attachment back to the REMOTE POWER CONTROL connector and connect the other end to the power amplifiers.

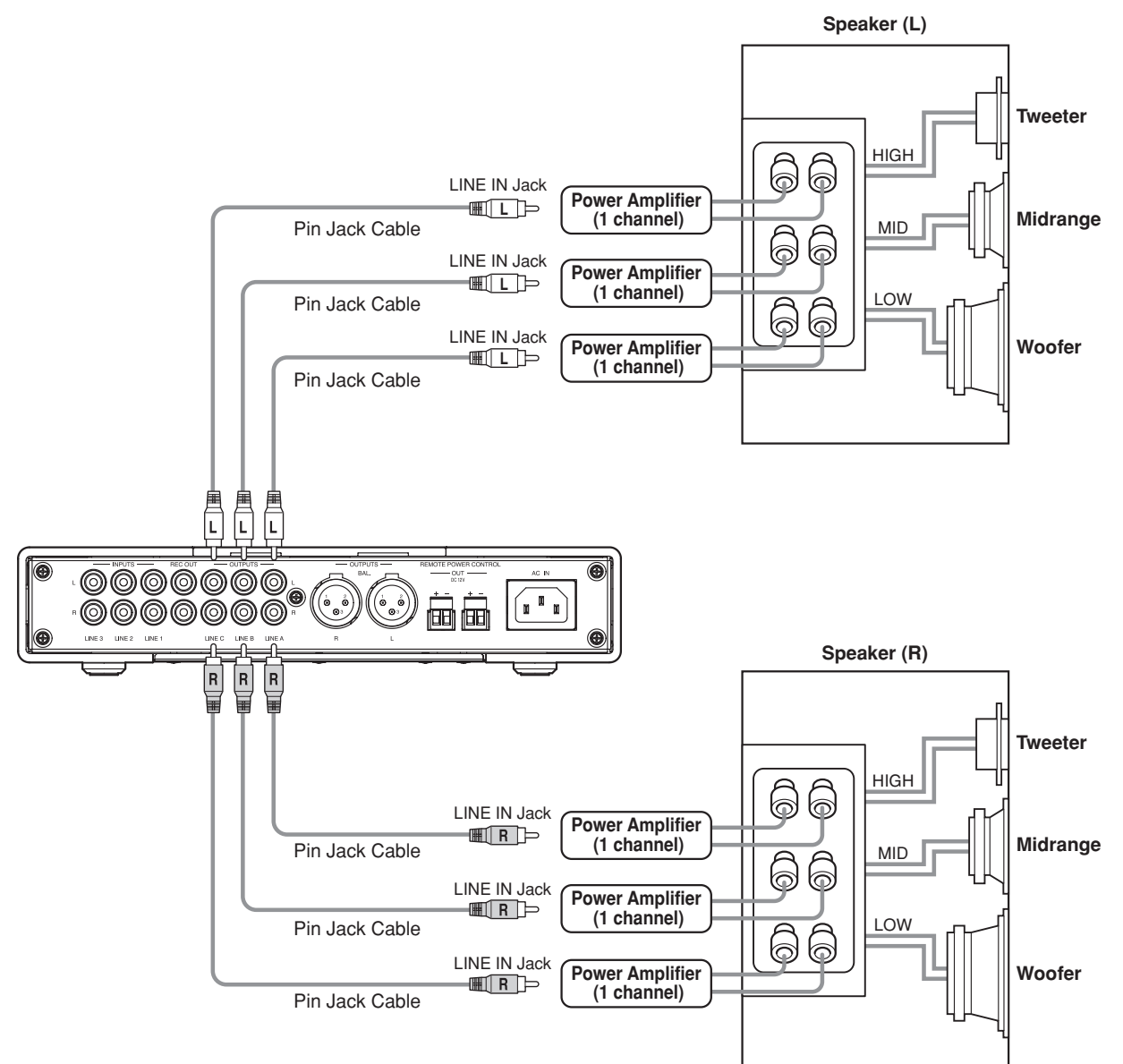
\* Commercially available vinyl insulated cables can be used as well.  
• Compatible cable type is AWG24 to AWG12.

Refer to the steps 1 through 4 above when connecting cables and make sure that the polarity is correct.

\* Be sure to check polarity before connection.  
Connect the black cable to the negative terminal.

#### Connection Example 2: Bi-amp connection

\* Refer to the "Connection Example 1" for connection to INPUT jacks and AC IN jacks.



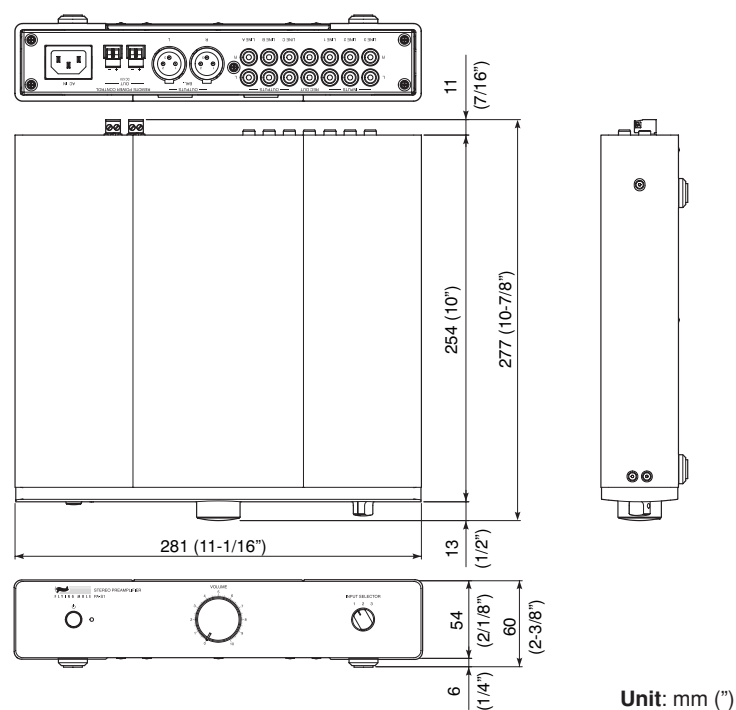
## 5 Specifications

Total Harmonic Distortion	0.01% (5Hz - 100kHz)
Frequency Response	DC - 20kHz (+0dB / -0.2dB)
S/N Ratio	100dB (IHF-A)
Input Sensitivity / Input Impedance	150mV / 10kΩ
Output Level / Output Impedance	1V / 1kΩ
Power Consumption	7W (AC 120V model), 8W (AC 230V model)
Power Supply	AC 120V 60Hz (U.S.A. & Canadian model) / AC 230V 50Hz
Use Environment	0°C - 40°C
Max. Dimensions inch / mm	11-1/16"(W) x 2-3/8"(H) x 10-7/8"(D) mm / 281(W) x 60(H) x 277(D) mm
Weight	3.8 kg (8.4 lbs)

\* Nameplate is on the bottom of the product.

\* Due to product improvement, specifications and/or product design are subject to change without notice.

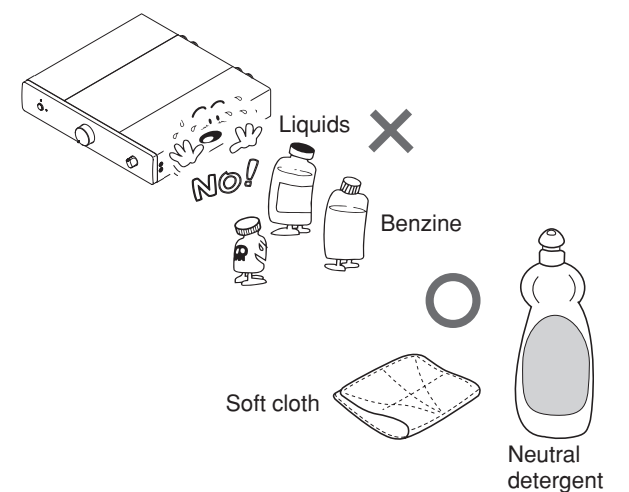
## 6 Dimensions



## 7 Maintenance

Never use liquids such as benzene, thinners, etc., chemically treated cloths, and do not spray any aerosol type insecticides on the amplifier. Clean the case using only a soft, dry cloth.

If the amplifier becomes soiled, mix a solution of water and a neutral detergent then dampen a soft cloth in the solution, wring out as much of the solution as possible, and clean the amplifier. Then use a soft, dry cloth to wipe the surface dry.



## 8 Questionnaire

There is a questionnaire in the "Support" section in our website. This is for helping us serve you better by developing new products. We look forward to your access to the following URL.

<http://www.flyingmole.co.jp>

### Privacy Policy

#### Security of Collected Information

We maintains strict physical, electronic, and administrative safeguards to protect your personal information from unauthorized or inappropriate access. We restricts access to information about you to who need to know the information to respond to your inquiry or request. Who misuse personal information are subject to disciplinary action.

This document is printed with soy ink (an organic ink made from soy oil) on recycled paper. Environmentally friendly printed matter.



FLYING MOLE

FLYING MOLE CORPORATION

5199-1 Waji-cho, Hamamatsu 431-1115 Japan.  
Tel : +81-53-486-6030 Fax : +81-53-486-6033  
<http://www.flyingmole.co.jp> info@flyingmole.co.jp

FP40781-000