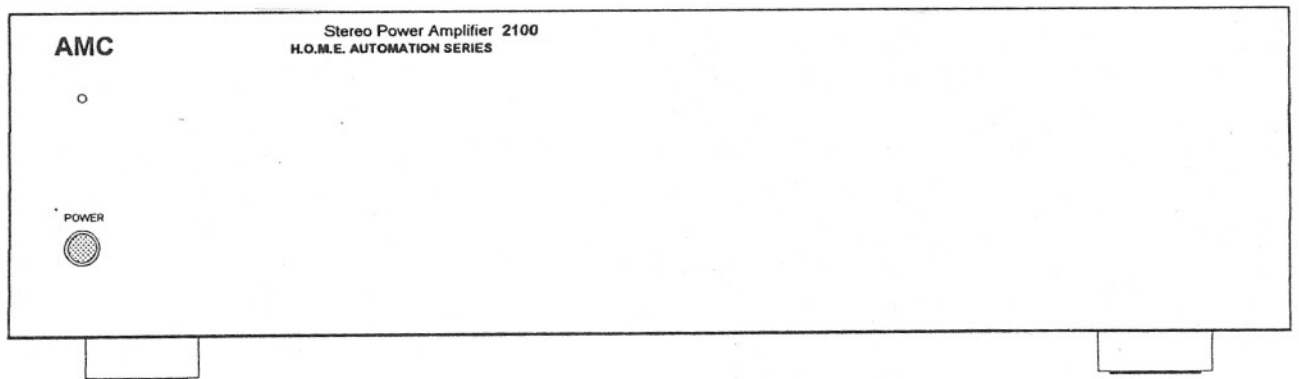


AMC 2100

STEREO POWER AMPLIFIER



INSTRUCTIONS FOR INSTALLATION AND OPERATION

SAFETY INSTRUCTION

1. READ INSTRUCTIONS

All the safety and operating instructions should be read before the appliance is operated.

2. RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3. HEED WARNINGS

All warnings on the appliance and in the operating instructions should be adhered to.

4. FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

5. WATER AND MOISTURE

The appliance should not be used near water— for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

6. CARTS AND STANDS

The appliance should be used only with a cart or stand that is recommended by the manufacturer.

6A.

An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



7. WALL OR CEILING MOUNTING

This equipment is not designed for use mounted on a wall or a ceiling.

8. VENTILATION

The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as bookcase or cabinet that may impede the flow of air through the ventilation openings.

9. HEAT

The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

10. POWER SOURCES

The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11. POWER-CORD PROTECTION

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

12. CLEANING

The appliance should be cleaned only as recommended by the manufacturer.

13. NON USE PERIODS

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

14. OBJECT AND LIQUID ENTRY

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

15. SERVICING

The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

16. DAMAGE REQUIRING SERVICE

The appliance should be serviced by qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped, or the enclosure damaged.

17. POWER LINES

(APPLIES TO TUNER AND RECEIVERS ONLY)

An outdoor antenna should be located away from power lines.

18. OUTDOOR ANTENNA GROUNDING

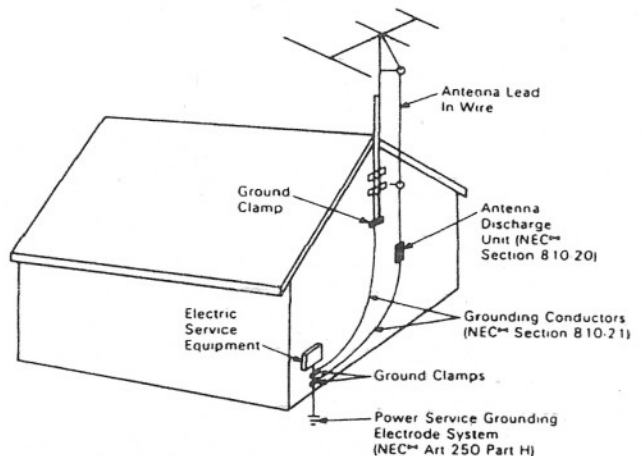
(APPLIES TO TUNER AND RECEIVERS ONLY)

If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.

- Use No. 10 AWG (5.3 mm²) copper, No. 8 AWG (8.4mm²) aluminum, No. 17 AWG (1.0mm²) copper-clad steel or bronze wire, or larger, as a ground wire.
- Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4–6 feet (1.22–1.83 m) apart.
- Mount antenna discharge unit as close as possible to where lead-in enters house.
- Use jumper wire not smaller than No. 6 AWG (13.3 mm²) copper, or the equivalent, when a separate antenna-grounding electrode is used. See NEC Section 810-21(j).

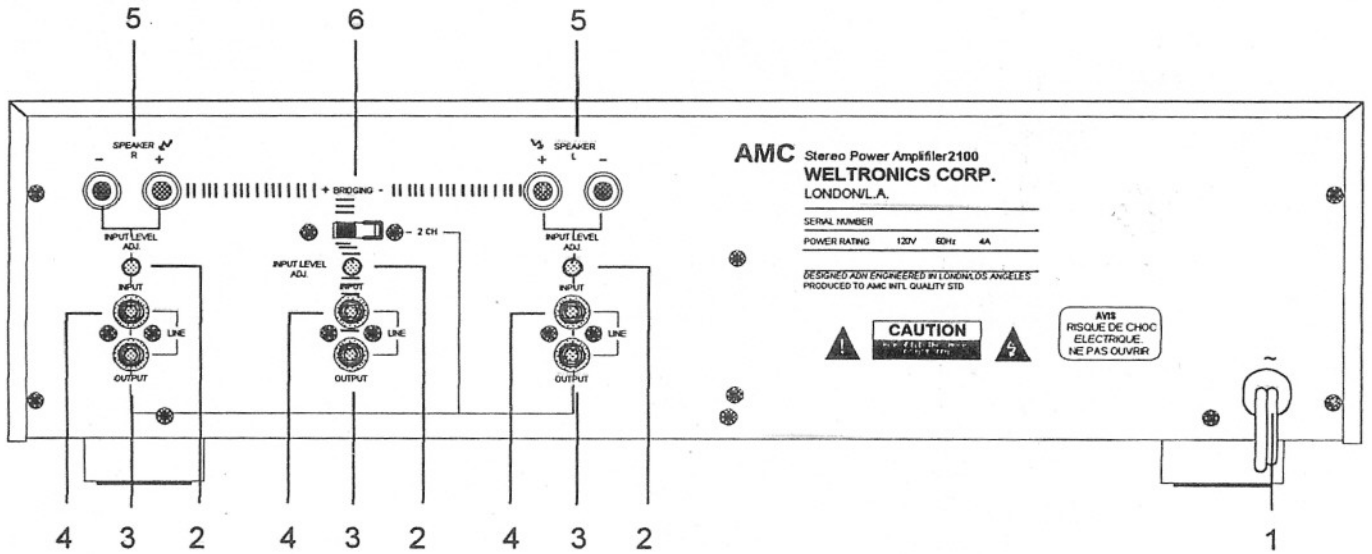
Antenna Grounding According to the National Electrical Code



[™]National Electrical Code Available from Library, book stores, or National Fire Protection Association (Batterymarch Park, Quincy MA 02269).

REAR PANEL CONNECTIONS/FRONT PANEL CONTROLS

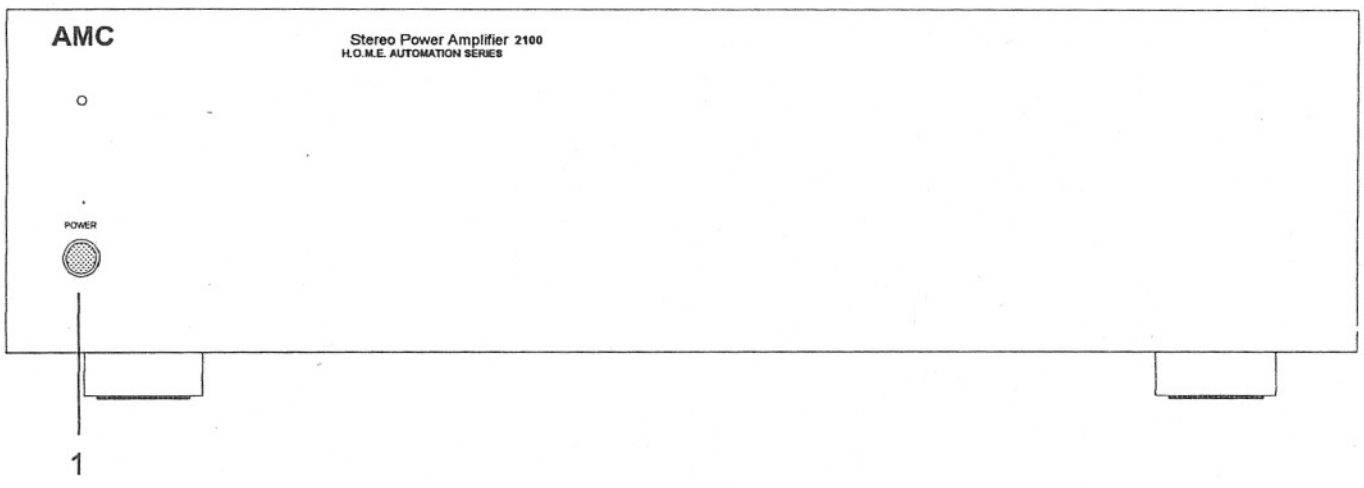
REAR PANEL



- 1.AC LINE CORD
- 2.INPUT LEVEL CONTROLS
- 3.LINE OUTPUTS

- 4.LINE INPUTS
- 5.LOUDSPEAKER TERMINALS
- 6.BRIDGING/2CH "MODE" SWITCH

FRONT PANEL



- 1.POWER SWITCH

REAR PANEL CONNECTIONS

1. AC LINE CORD

Plug the AC line cord into a nearby wall outlet that provides the correct AC power line voltage, or into an unswitched convenience outlet on any AMC product.

2. INPUT LEVEL CONTROLS

Each channel of the 2100 has its own independent level control. Before turning on the 2100 for the first time, make sure that all level controls are set to their fully clockwise position. These controls can be used for various functions. For example, they can be used to match the levels of loudspeakers in a multi-room installation, or to lower the sensitivity of the power amplifier, so that the volume control on pre-amplifier is at a more convenient and usable position. They can also be used to optimize the balance in a stereo system.

3. LINE OUTPUTS

Each input has an accompanying line output which will pass the signal onto another amplifier input or other line-level device.

4. LINE INPUTS

There are three (one for the BRIDGING mode) RCA phono connectors on the back panel that connect to the inputs of each of the power amplifiers. Connections to these inputs are made with reference to the MODE SWITCH settings described above;-

BRIDGING MODE: Connection the input into the RCA jack of LINE INPUT below "BRIDGING" at the rear panel.

2CH MODE: In this mode, the 2100 operates as a 2 channel amplifier. Connections to the inputs of these amplifiers are made the RCA jacks of L and R.

5. LOUDSPEAKER TERMINALS

The 2100 is equipped with binding post type speaker terminals that are designed to handle the extremely high peak currents that this amplifier is capable of giving. Connections from these terminals to the loudspeakers should be of heavy-duty wire. Standard wire of 16 gauge or thicker is recommended specially if low impedance loudspeakers are used.

The following describes the connections for BRIDGING and 2 channel operation;-

BRIDGING MODE: When the MODE SWITCH is set to BRIDGING operation, only the red terminals on the 2100 are used. For this mode of operation, connect the red terminal of the speaker to the red terminal of R CH and the black speaker terminal to the red terminal of L CH.

2 CH MODE: When the MODE SWITCH of the 2100 is set to 2 channel operation, simply connect the wires from the right speaker to the terminals (marked + and -) of R CH, the left speaker to L CH and so on. Make sure that the red terminal on each loudspeaker is connected to the corresponding red terminal on the amplifier and likewise for the black terminals.

6. BRIDGING/2 CH "MODE" SWITCH

This switch allows the 2100 to operate in several modes depending on the number of loudspeakers to be connected. This mode of operation is defined as follows;-

BRIDGING MODE: With this switch in the BRIDGING position, the 2100 becomes a one channel amplifier capable of driving one 8 ohm loudspeaker at 200 watts. In this mode, the 2100 can be used as a high power, audiophile quality power amplifier.

CAUTION: In the BRIDGING mode, the speaker terminals should be directly wired to the loudspeaker and not to any accessory device like headphones' adapters etc. That may share a common ground with other channels.

2CH MODE: With this switch in the 2CH position, the 2100 becomes a two channel (stereo) amplifier capable of driving two 8 ohm loudspeakers at greater than 100 watts per channel.

FRONT PANEL CONTROLS

1. POWER SWITCH

The press button switch marked power can be used to switch the 2100 on or off. When the 2100 is switched on, the small indicator above the power switch will glow green.