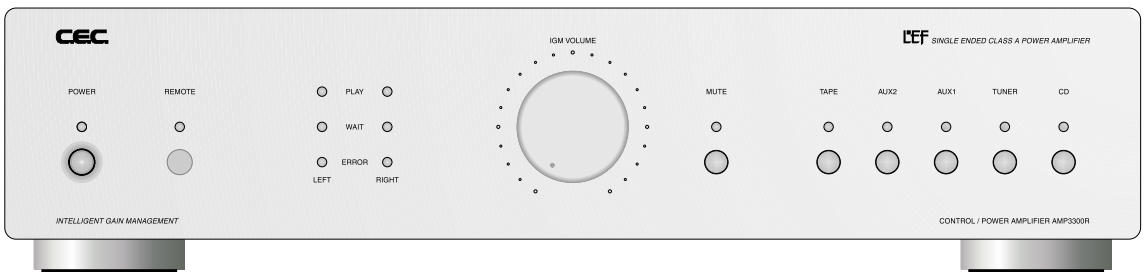


CEC

AMP3300R



Owner's Manual

Important Safety Instructions



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT OPEN THE UNIT. NO USER SERVICABLE PARTS INSIDE: REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash within a triangle is intended to alert the user to the presence of dangerous voltage inside the product's enclosure that may cause an accident resulting in injury or death by fire or electrical shock.



The exclamation point within a triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions.



THIS SIGN PROHIBITS DISASSEMBLING!
DO NOT OPEN! NO USER-SERVICEABLE PARTS INSIDE!
Refer servicing to qualified service personnel!



This sign is intended to alert the user to disconnect the power cord from the wall outlet in dangerous situations!
Always unplug the power cord from wall outlet by grasping the plug.
Never pull the cord itself!
Replace power cord when broken or cut.



This sign indicates the prohibition of an act.
Do not install this unit in a place with direct sunlight or heat dissipation, excessive dust or mechanical vibrations.



This sign indicates general compulsion.
Check that the operating voltage of your unit is identical with the voltage of your local power supply!
Leave space around this unit for heat dissipation.



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE





Cautions Regarding Handling



Precautions for use

- **Check that the operating voltage of your unit is identical with the voltage of your local power supply (see operating voltage on the rear panel of the unit). Connecting a 100-120V unit to 230V causes severe damage and may even cause fire, electrical shock or explosion!**



- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Sometimes in summer you have faults in your local power supply due to overloading. Unplug the unit from the wall outlet when there is a thunderstorm.



- Unplug the unit from the wall outlet if it is not to be used for an extended period of time. To disconnect the power cord, pull it out by grasping the plug. Never pull the cord itself. Refer servicing to qualified personnel only.
- Unplug the unit from the wall outlet before connecting other units or opening the unit.

Location



- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock. Leave space around this unit for heat dissipation, especially near the heat sink on backside. You should leave 10 cm of space on each side and 30 cm above AMP3300R.

Condensation



- When this unit is brought into a warm room from previously cold surroundings or when the room temperature rises sharply, condensation may form inside, and the unit may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.

Fuses



- The fuses are inside of the unit and should be changed by qualified personnel only.

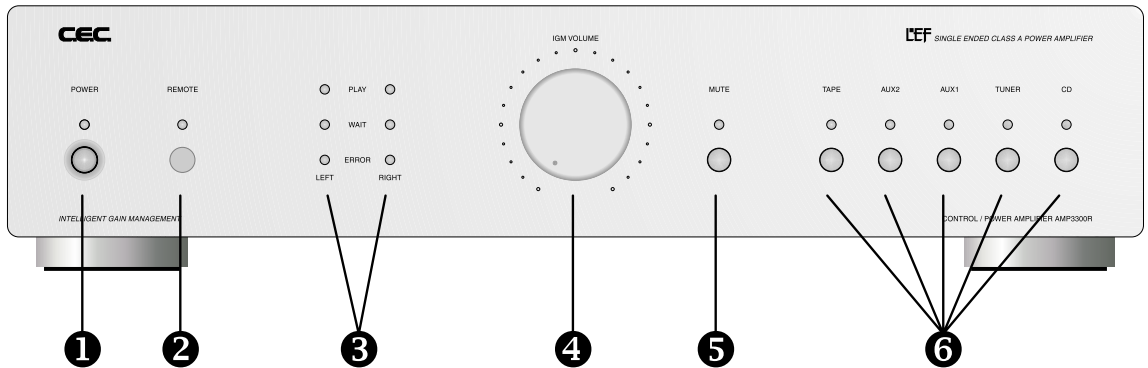
Caution

- Changes or modifications to this equipment not expressly approved by CEC Co. Ltd. for compliance will void the user's warranty.



AC-Line

- If there is any break or cut in the AC-line cord, unplug it from the wall outlet and replace it by a new one!

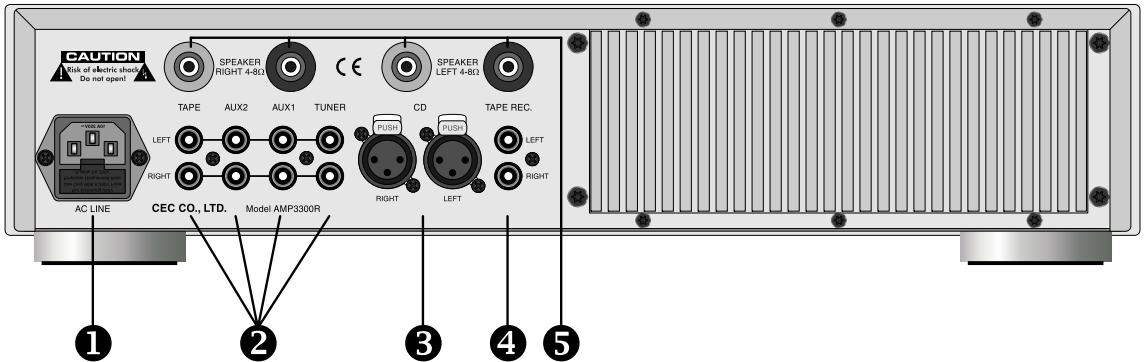


Front Panel

- 1** Power - Power switch. Turns the unit on / off.
- 2** Remote - Receives signals from the remote controller (LED on). Take care not to cover this receiving window for proper remote control function.
- 3** Indicator LED - These LEDs indicate the status of the protection circuit. After switching on the unit it indicates "Error" for a short moment as well as "Wait". After a short internal check the lights should change to blue coloured "Play". After power off the unit indicates "Error" for a short time. If "Error" status should occur during normal play and "Mute-LED" flashes fast, restart the unit. In case "Error" is indicated continuously please ask your dealer for service.
- 4** Volume - Volume Control. Use the Volume-Knob to adjust the volume level. If output power is too high and clipping occurs, AMP3300R will turn down volume. Minimum volume is not absolute silence, due to AMP3300R's special gain management. Use "Mute" for silence.
- 5** Mute - Mutes the amplifier. The Mute function is activated during start-up and the LED flashes slowly. The "Mute-LED" lights up during change of input.
- 6** Input selection - Buttons to select the input source. The LED over the button shows the selected source.

 - Tape - Use this input for cassette decks, MD-recorder or any other unit.
 - Aux1 - Connect any analog unit with RCA connector
 - Aux2 - Connect any analog unit with RCA connector
 - Tuner - Connect a tuner or any other unit with RCA connector
 - CD - Connect a CD-Player or D/A-Converter with balanced XLR-outlets: e.g. **DX71, TL51Z, CD3300R, CD5300, DA53.** CD-Player with only RCA output connect to Aux1 or Aux2.

!!! Never connect any digital output from e.g. a CD player!!!



Rear Panel

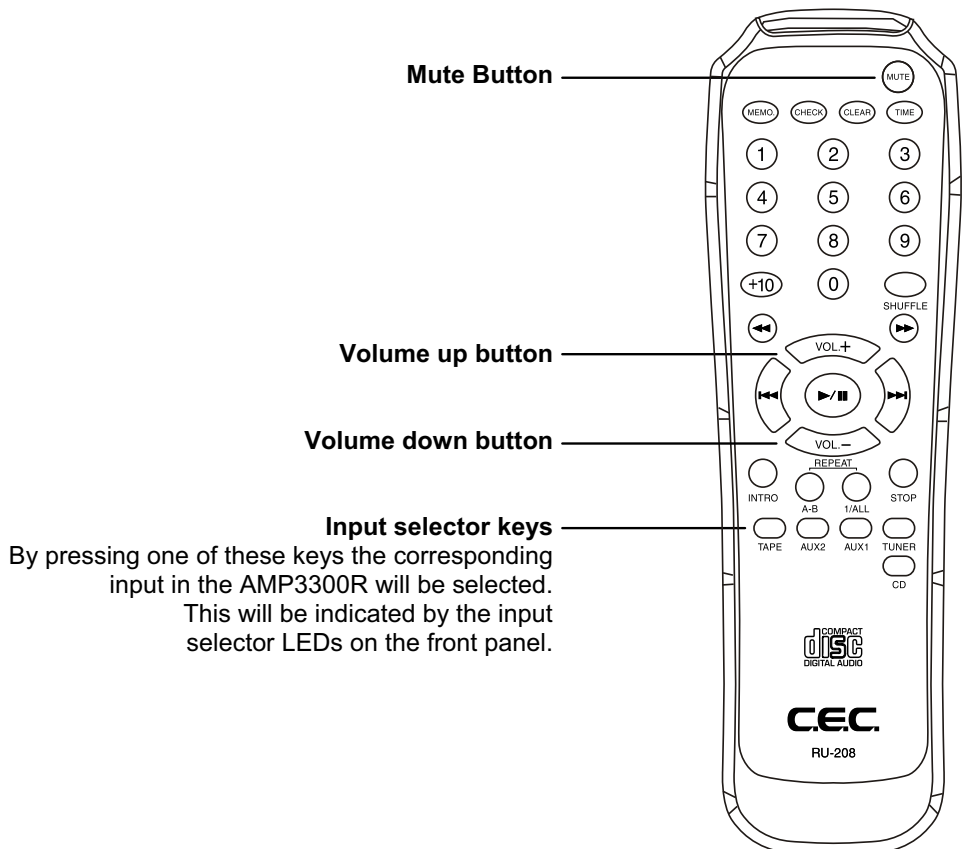
- 1** AC Line - Connection for the AC power cord.
- 2** Input - LINE IN (audio input) jacks, equipped with RCA connectors. Input for any analog unit. No phono connection and no inlet for coaxial digital outputs from CD-drives or other digital units.
- 3** Balanced CD - CD is using XLR connectors for balanced signal sources. (1=Ground, 2=Hot, 3=Cold). CD-Player with only RCA output connect to Aux1 or Aux2.
- 4** Tape rec . - LINE OUT (audio output) jacks. Recording-output for Cassette decks, other tape recorder or MD-recorder.
- 5** Speaker - Power amplifier output terminals to connect 4-8 Ohm speaker. All speaker terminals are active due to complete balanced circuit design. Never connect any speaker terminal to ground.

Remote Control

- Avoid exposure of the remote sensor to direct sunlight or other light sources as such exposure can cause malfunction.
- When operating the remote control unit, pay attention to a free way to the **AMP3300R**, otherwise control may not be possible.
- When operating the remote control unit, point the unit's infrared signal transmitter at the remote control receiver on the front panel of the **AMP3300R**.
- When the batteries are exhausted, the remote commander will not operate the unit. In this case, replace the batteries with new ones. Use only batteries of same type.

If you should have any further question or problem concerning your unit, please contact your CEC dealer.

- The included remote control is for the use with CEC CD transport, CD player, digital to analog converter and for all amplifier. This manual just describes the functions concerning **AMP3300R**.



Tips and Hints

- **AMP3300R**'s revolutionary *LEF*-amplifier circuit is providing the highest available sound quality by combining "Single Ended Class-A" operation, high power and no negative feedback in the signal path. The transistor faults are neutralized.
- Never connect any speaker terminal to ground. Due to the full balanced design of **AMP3300R** both speaker terminals are active. Watch out when connecting active subwoofers or similar devices to the speaker terminals. A short circuit to ground might damage the **AMP3300R** or at least break a fuse.
- The speaker terminal DC voltage is not 0 to ground - this is not an amplifier fault.
- The maximum power is not specifically on 100% volume. Depending on the source voltage the maximum power might be between 60% and 100% volume.
- Minimum volume is not absolute silence, due to **AMP3300R**'s special gain management. Use "Mute" for silence.

Special Protecting Functions

In addition to usual fuses and protection circuits, **AMP3300R** offers two special functions to protect your HiFi-Investment:

1.: Even if **AMP3300R** sounds like unlimited power, it is not unlimited and therefore is protected from continuous clipping. Clipping means exceeding the maximum output voltage. **AMP3300R** automatically reduces the volume by turning back the volume knob until no clipping occurs.

2.: In case of overheating due to insufficient ventilation, high external temperature and/or high listening levels **AMP3300R** completely shuts down by a heat detecting switch. Depending on ventilation **AMP3300R** switches on again after 5 - 10 minutes.

Maintaining Your AMP3300R

- **AMP3300R** requires no periodic maintenance and has no user serviceable parts inside.
- To keep it clean only use a soft cloth and never use any solvents or abrasives. Dust and fingerprints may be removed with a soft cloth moistened only with a few drops of water.
- The power cord should be removed whenever the unit will be unused for an extended period.

Supplied Accessories

- The delivery includes a remote controller and a power cord.

Repacking

- Do not throw away the carton box and the packing material.

Specifications

- Power: 2 x 75Watt RMS / 8 Ohm, 2 x 120 Watt RMS / 4 Ohm
- Recommended Speaker Impedance: 4 to 8 Ohm
- Input RCA: 47 kOhm
- Input XLR: 47 kOhm
- Signal / Noise: 102 dB at XLR-Input 1 Vrms / Output 1 Watt
- Power consumption: 37W min, 300W max.
- External dimensions (w / h / d): approx.: 435 x 115 x 360 mm
- Weight: approx.: 9.2 kg

Note:

- Specifications and design subject to possible modification without notice, due to improvements. Errors excepted.

CEC Co., Ltd.

Saitama, Japan