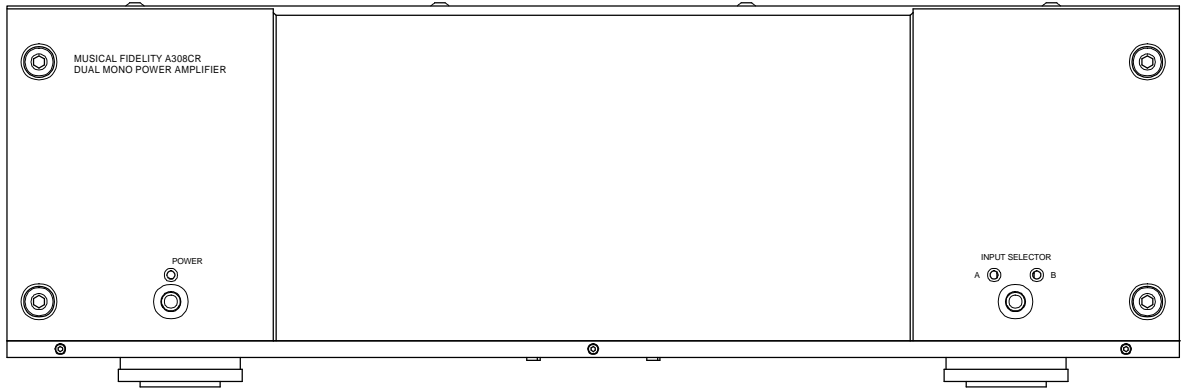


A308 CR

DUAL MONO POWER AMPLIFIER



INSTRUCTIONS FOR USE

Thank you for purchasing the Musical Fidelity A308 CR Power amplifier.

Used properly and carefully, it should give you many years of outstanding musical reproduction.

Aesthetically, the A308 CR Power amplifier is a perfect match for the A308 CR Preamplifier and A308 CR CD player. Together, they form one of the finest hi-fi systems available today.

Dust regularly with a soft duster or soft brush but be careful when using cleaning or polishing agents - they may harm the surface finish.

If you have any questions about your audio system, please consult your dealer who is there to help and advise.

MUSICAL FIDELITY

SAFETY INFORMATION

IMPORTANT! (U.K. only)

This unit is supplied in the U.K. with a mains lead fitted with a moulded 13 amp plug. If, for any reason, you need to cut off this plug, please remove the fuse holder and dispose of the plug safely, out of reach of children. ***It must not be plugged into a mains outlet.***

The wires in the mains lead supplied with this appliance are coloured in accordance with the following code:

Green and yellow.....Earth
Blue.....Neutral
Brown.....Live

WARNING - This appliance must be earthed

As the colours of the wires of the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E or coloured green or green-and-yellow, or by the earth symbol:



The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

If connecting to a BS1363 plug, a 13 amp fuse must be used.

WARNING:

The A308 CR is a powerful amplifier and must necessarily supply high voltages through the loudspeaker terminals. Therefore, to avoid any possibility of an electric shock DO NOT TOUCH THE SPEAKER TERMINALS when the unit is being used.

To comply with BSEN60065 safety regulations, the 4mm “banana” plug holes have been fitted with plastic blanking pieces. Removal of these will invalidate any electrical safety approval of this product.

WARNING:

Any modifications to this product not expressly approved by Musical Fidelity who is the party responsible for standards compliance could void the user’s authority to operate this equipment.

GENERAL ADVICE

INSTALLATION PRECAUTIONS and USER INFORMATION

Your new A308 ^{CR} power amplifier is designed and built to provide trouble-free performance, but as with all electronic devices it is necessary to observe a few precautions:

Heed all warnings shown on the back of the product.

Only connect the A308 ^{CR} amplifier to a mains outlet having the same voltage as marked at the back of the unit.

Always ensure that when disconnecting and reconnecting your audio equipment the mains supply is switched off.

Position the mains lead and signal interconnects where they are not likely to be walked on or trapped by items placed on them.

*Do not use near water, or place water-filled containers on the amplifier, for example, flower vases or potted plants. **If water does spill inside, immediately pull out the mains plug from the wall socket and inform your dealer, who should then check the unit before further use. Entry of liquid into the amplifier is dangerous, and may cause electric shock or fire hazard.***

Do not place the unit near heat sources such as radiators, direct sunlight or other equipment. The case of this amplifier can run at high temperatures - operate the unit in a well ventilated area, and do not touch the side heatsink fins after periods of use at high output power.

Do not remove covers or try to gain access to the inside. There are no internal user adjustments. Refer all service work to an authorised Musical Fidelity agent.

NOTE: Unauthorised opening of the equipment will invalidate any warranty claims.

There are fuses inside the A308 ^{CR} amplifier. In the unlikely event that one blows, refer the unit to your audio dealer. Do NOT try to replace the fuse yourself as this will invalidate the warranty.

Dust regularly with a soft duster or soft brush, but be careful when using cleaning or polishing agents - they may harm the surface finish.

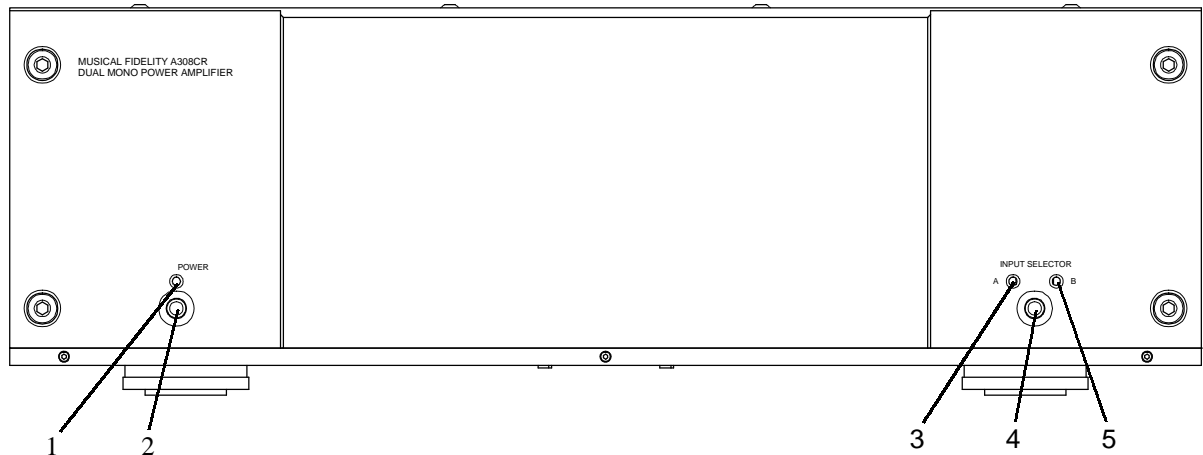
The electronics in modern hi-fi equipment is complex and may, therefore, be adversely affected or damaged by lightning. For protection of your audio system during electrical storms, remove the mains plugs and disconnect any aerial lead.

If after-sales service is required, to help your dealer identify the A308 ^{CR} amplifier please quote the serial number located on the rear panel of the unit.

RADIO FREQUENCY INTERFERENCE (R.F.I)

This product has been tested to ensure that its operation is not adversely affected by normal background levels of R.F.I., and that it does not itself generate excessive amounts of interference. However, if a problem persists, please contact your Musical Fidelity agent.

CONNECTIONS AND FACILITIES

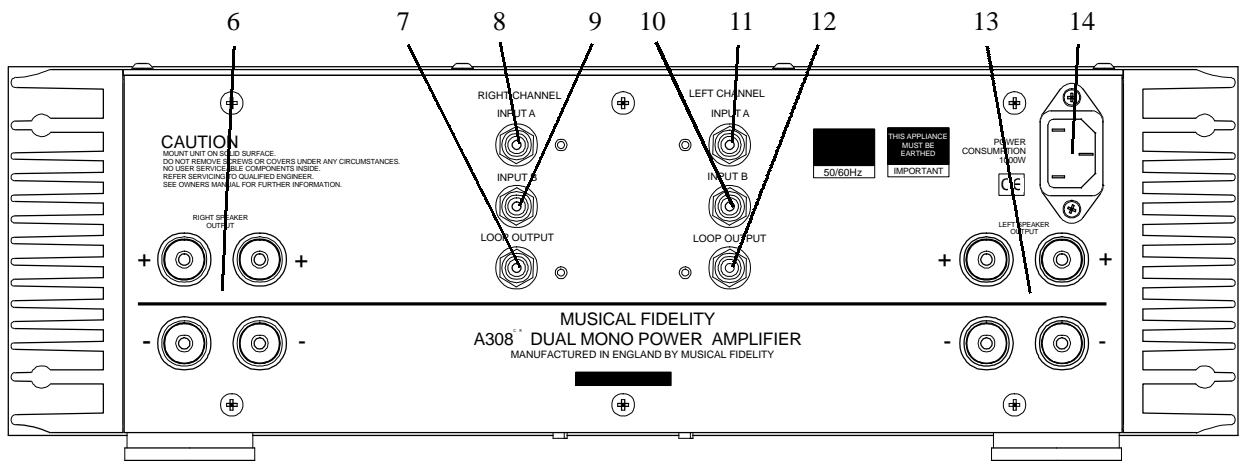


Front panel layout

- 1 Power on indicator LED
- 2 Power on/off switch
- 3 Input A indicator LED
- 4 Input selector button
- 5 Input B indicator LED (see page 5)

Back panel layout

- 6 Right speaker output
- 7 Right loop output (see page 5)
- 8 Right input "A"
- 9 Right input "B"
- 10 Left input "B"
- 11 Left input "A"
- 12 Left loop output (see page 5)
- 13 Left speaker output
- 14 IEC mains inlet



CONNECTIONS and OPERATION

All input, output and power connections should be made with the mains power switched OFF.

INPUT CONNECTIONS

The A308 ^{CR} power amplifier can be used with a preamplifier or any line level source which has a volume control. We highly recommend the matching A308 ^{CR} preamplifier available from Musical Fidelity.

There are two audio inputs on the amplifier, **A** and **B**, which are selected by a push-push switch located at the right-hand end of the front panel.

Using good quality co-axial audio leads, connect the left and right outputs from your pre-amp or other line level source to either **A** or **B** of the two RCA socket input groups on the back panel marked as **LEFT** and **RIGHT CHANNEL INPUT**.

The **LOOP OUTPUT** sockets are electronically routed inside the unit to duplicate whichever of the **A** or **B** line inputs has been selected for speaker output by the A308 ^{CR}. This is to enable onward connection to another amplifier, for example when used for “bi-amplification”.

LOUDSPEAKER CONNECTIONS

All connections should be made with the power OFF.

Connect your loudspeakers to the loudspeaker terminals situated on the back panel marked as **LEFT** and **RIGHT SPEAKER OUTPUT**. Two pairs are provided for convenience, but **note that the combined load impedance must not be less than 4 ohms for either channel.**

BEFORE SWITCHING ON. . . .

Plug the accessory IEC mains lead into the rear panel socket, then the other end into a convenient wall outlet.

Turn the volume control on your preamplifier to minimum, and switch on its power.

OPERATION

Press the **POWER** switch on the front panel of the A308 ^{CR} - the blue **POWER** LED will light to confirm that the unit is ready for use.

Select either input **A** or input **B** by pressing the selector button at the right-hand end of the front panel. Each press of the button alternates between **A** and **B** input.

Select the required audio input source on your pre-amplifier, and advance the volume control to obtain the preferred sound level.

PROBLEMS ?

Basic problem solving with an amplifier is similar to troubleshooting any other electrical or electronic equipment. Always check the most obvious possible causes first. To give you a few ideas of what to look for, check the following:

<i>Problem</i>	<i>Possible Cause</i>	<i>Remedy</i>
No power when MAINS POWER switch is operated	Mains plug not inserted fully into rear socket	Plug in securely
No sound	Tape monitor function has been selected on the pre-amplifier Wrong connections between pre-amplifier and the A308 ^{CR} Speakers not connected, or incorrectly wired	Switch off tape monitor at the pre-amplifier Check audio input lead connections Check speaker cables
The sound is not precise, lacking bass and stereo image	Speakers are connected out of phase, i.e. connections to one-speaker (+ and -) are reversed	Ensure method of connection is the same for left and right speakers

If none of these actions effect a cure, please contact your dealer, or an authorised Musical Fidelity service agent. Remember, never open the case of the A308 ^{CR} Power amplifier yourself, as this will invalidate the guarantee.

A308 CR

Dual Mono Power Amplifier

Output voltage, RMS peak	45 Volts 20Hz to 20kHz 127 Volts
Power output, single or both channels driven	250 Watts per channel into 8 Ohms (24dBW) 450 Watts per channel into 4 Ohms
Peak-to-peak output current	72 Amps
Damping factor	180
Output devices per channel	6
Total Harmonic Distortion + noise	0.003% at 1kHz up to 90% power, into 4 or 8 Ohms < 0.007% 10Hz to 40kHz at 12.5 Watts into 8 Ohms
Intermodulation distortion	0.002% at 12.5 Watts into 8 Ohms
Frequency response	20Hz to 20kHz \pm 0dB 10Hz to 100kHz +0 / -1.5dB
Channel separation	> 100dB 20Hz to 20kHz
Audio gain	30dB (31.5 times) nominal
Input impedance	31K Ohm
Input sensitivity for full power output into 8 Ohms	1.42 Volts
Signal / noise ratio, reference full power output	> 124dB "A"- weighted
Inputs	"A" : 1 pair RCA connectors, selectable from the front panel "B" : 1 pair RCA connectors, selectable from the front panel
Outputs	2 amplifier channels via 2 pairs of speaker binding posts per channel, 1 pair RCA loop output sockets
Power requirements	100 / 115 / 230V AC, 50 / 60Hz (factory preset) 1000 Watts maximum into 8 Ohms load 70 Watts idle
Dimensions	440 mm, 17.3 inches wide 143 mm, 5.6 inches high including feet 394 mm, 15.5 inches deep including terminals
Weight	23.5 kg, 51.7 lbs unit only, unboxed 26 kg, 57.2 lbs in shipping carton
Standard accessories	IEC type mains lead



Musical Fidelity reserves the right to make improvements which may result in specification or feature changes without notice.