

A3^{CR}

POWER AMPLIFIER

INSTRUCTIONS FOR USE

*Thank you for purchasing the Musical Fidelity
A3^{CR} power amplifier.*

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

*The A3^{CR} power amplifier has been designed to operate
comfortably with the sonic capabilities of the new
Super Audio CD format. (SACD)*

*Aesthetically, the A3^{CR} power amplifier is a perfect match
for the A3^{CR} preamplifier, A3 CD player and the A3 Tuner.
Together, they form one of the finest hi-fi systems
that you can own 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 anything in your
audio system, please consult your dealer who is there to
help and advise you.*

SAFETY INFORMATION

IMPORTANT!

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 observe the following safety precautions. Please dispose of the cut-off plug safely. It must not be plugged into a mains power supply.

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 10 amp fuse must be used.

WARNING - Radio Frequency Interference (RFI)

This hi-fi product has been tested to ensure that its operation will not be adversely affected by normal background levels of RFI. It is possible that if this product is subjected to abnormally high levels of RFI the unit may be susceptible and not perform as expected. In the unlikely event of this happening on a regular basis, please contact Musical Fidelity's service department. The unit has also been tested to ensure that it does not radiate excessive levels of RFI that could affect other pieces of electronic or electrical equipment.

The electronics in modern hi-fi equipment is complex and hence may be damaged by lightning. It is possible that during electrical storms the operation of some equipment may be adversely affected. For complete protection of your hi-fi system during such storms, mains plugs and aerial leads should be disconnected.

Always ensure that when disconnecting and re-connecting your hi-fi equipment the mains supply is switched off.

GENERAL ADVICE

INSTALLATION PRECAUTIONS and USER INFORMATION

Your new A3^{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 on the back of the unit.

Only connect the power amplifier to a mains outlet of the voltage marked on the back of the unit.

The A3^{CR} power amplifier will operate in accordance with its specifications as long as the environmental conditions are kept in the following ranges:-

<i>Temperature</i>	<i>5 to 45 degrees Celsius</i>
<i>Humidity</i>	<i>10 to 90% non condensing</i>

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. The unit shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the unit.

Do not place the unit near direct heat sources such as radiators or other equipment that produces heat.

Do not place the unit where it can be subjected to direct sun-light.

Do not remove any covers or try to gain access to the inside. The warranty is invalid if the unit has been tampered with. There are no user adjustments within. Refer all service work to an authorised Musical Fidelity agent.

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

There are fuses in the unit. In the unlikely event that one blows, take your unit to your audio dealer. Do NOT try to replace the fuse yourself or you will invalidate the warranty.

No naked flame sources, such as lighted candles, should be placed on the unit.

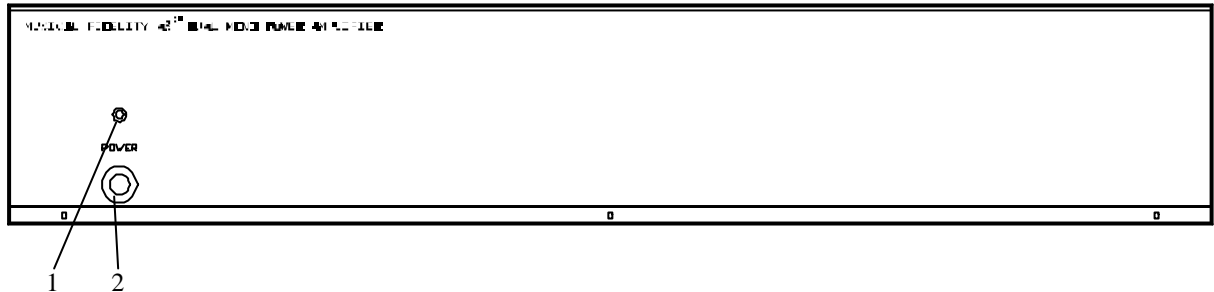
ATTENTION:- This amplifier can run at high temperatures. Under no circumstances place anything over the unit, such as newspapers or clothing. Under no circumstances place anything under the unit between the feet. Position in a well ventilated area.

Keep out of reach of children.

Important! Unauthorised opening of the equipment will invalidate any warranty claims.

Note: To help your dealer identify your amplifier if after-sales service is required, please quote the serial number located on the rear panel of the unit.

CONNECTIONS AND FACILITIES

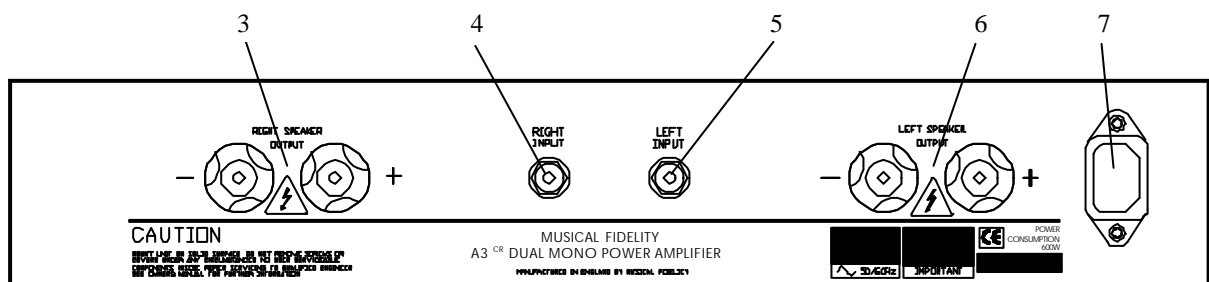


A3^{CR} Power amplifier front panel layout

- 1 Power on indicator LED
- 2 Power on/off switch

A3^{CR} Power amplifier back panel layout

- 3 RIGHT speaker output
- 4 Right input
- 5 Left input
- 6 Left speaker output
- 7 IEC mains inlet



CONNECTIONS

WARNING

Before switching on the stereo system please read carefully the instructions on the following pages. The functional arrangement of the controls makes the stereo system fairly easy to operate. You should nevertheless study these instructions to get the best from your equipment.

INPUT CONNECTIONS

All connections should be made with the power OFF.

The A3^{CR} power amplifier can be used with a preamplifier or any line level source which has a volume control. We highly recommend the matching A3^{CR} preamplifier available from Musical Fidelity.

Connect the Left and Right outputs from your pre-amp or other line level source to the phono inputs on the back panel marked as Left and Right Line Inputs. For the best results we recommend that you use either Musical Fidelity X-LINX "no-nonsense" interconnect cables for this connection or the highly rated Nu-Vista interconnects with integral RFI suppression. Various lengths are available in the Nu-Vista interconnect range.

Please contact your local dealer for more information.

OUTPUT 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 Loudspeaker Outputs.

Once these connections are made, plug in the IEC type mains lead and switch on the unit.

THE A3^{CR} POWER AMP IS A POWERFUL AMPLIFIER AND IS DESIGNED TO SUPPLY HIGH VOLTAGES AND HIGH CURRENTS THROUGH THE LOUD-SPEAKER TERMINALS. THEREFORE TO AVOID ANY POSSIBILITY OF AN ELECTRIC SHOCK DO NOT TOUCH THE SPEAKER TERMINALS WHEN THE UNIT IS BEING USED.

BEFORE YOU SWITCH ON

You should make all connections to the A3^{CR} power amplifier before switching on.

Follow this routine before you listen for the first time, and each time you change any connections.

- 1 Check all the inputs and outputs to the A3^{CR} power amplifier.
- 2 Then check again.
- 3 Turn the volume control on the pre-amplifier to minimum.
- 4 Now you can switch on the power. The LED on the front panel will light and the unit is ready to use.
- 5 Carefully advance the volume on your preamplifier to the level you want and enjoy the music.

TROUBLESHOOTING

Basic troubleshooting of an amplifier is similar to troubleshooting of 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>Probable Cause</i>	<i>Remedy</i>
No power when POWER is pressed	Mains plug not inserted correctly	<i>Plug in securely</i>
No sound	Volume control is set to minimum No connection between pre and power amps Speakers are not connected, or are connected incorrectly.	<i>Turn up the volume</i> <i>Make appropriate connection</i> <i>Check speaker cables</i>
Sound is not precise, lacking in bass and stereo image	Speakers are connected out of phase	<i>Make sure that both speakers are connected correctly</i>

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 A3^{CR} power amplifier yourself, as this will invalidate the guarantee.

SPECIFICATIONS

A3^{CR}

POWER AMPLIFIER

Power output (0.5% distortion)	120 watts per channel into 8 Ohms 210 watts per channel into 4 Ohms
THD 20Hz - 20KHz	< 0.005% at 1KHz 'A' weighed
Frequency response	10Hz - 20KHz ± 0.5 dB
Frequency response	10Hz - 100KHz ± 2 dB
Channel separation	> -85dB 20Hz-20kHz
Input sensitivity	1000mV
Input impedance	31KOhm
S/N ratio	> -98dB 'A' weighted (Ref 1W) > -120dB 'A' weighted (full output)
Power consumption	600W Max
Dimensions	Amplifier 440 x 95 x 400mm (W x H x D) Height includes feet, depth includes terminals
Power requirements	100/115/230V AC 50/60Hz (Factory preset)
Weight	15 kg (un-boxed)
Standard accessories	IEC type mains lead



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