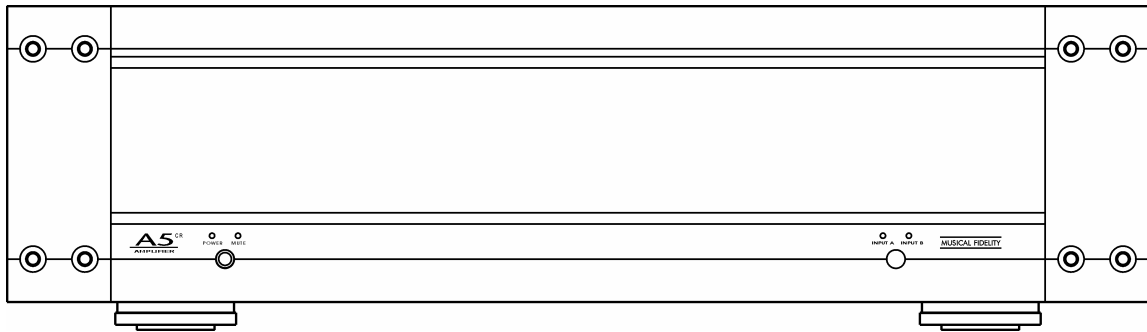


# A5<sup>CR</sup>

## POWER AMPLIFIER



### *INSTRUCTIONS FOR USE*

*Thank you for purchasing the Musical Fidelity A5<sup>CR</sup> Power amplifier.*

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

*Aesthetically, the A5<sup>CR</sup> Power amplifier is a perfect match for the A5<sup>CR</sup> Pre-amplifier and A5 CD player.*

*Together they form one of the finest hi-fi systems available.*

*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.*

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## MUSICAL FIDELITY

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# 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 the 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 A5 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 A5<sup>CR</sup> 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 A5<sup>CR</sup> Power 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, a flower vase 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 direct heat sources such as radiators, direct sunlight or other equipment.

Do not remove any covers or try to gain access to the inside. There are no internal adjustments or fuses you can replace yourself. Refer all service work to an authorised Musical Fidelity agent.

**Note: Unauthorised opening of the equipment will invalidate any warranty claim.**

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

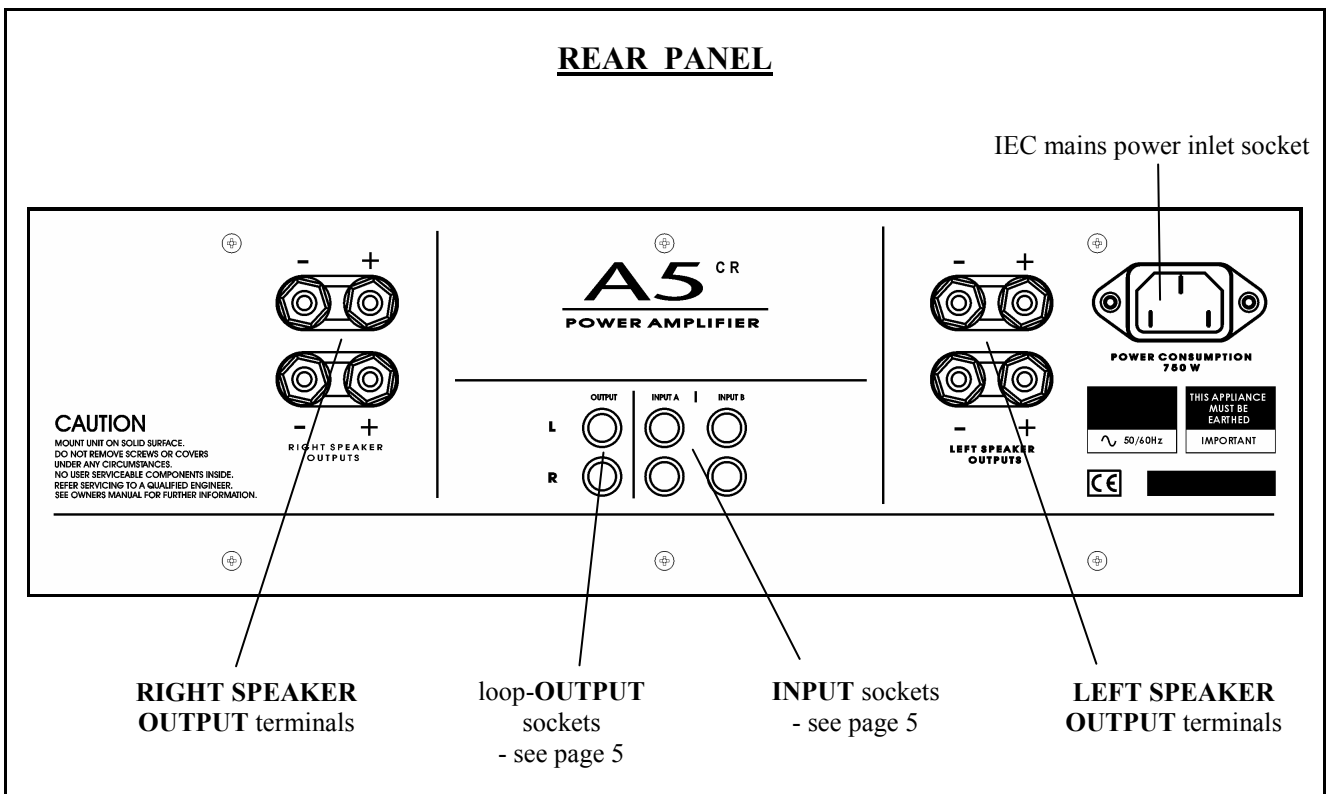
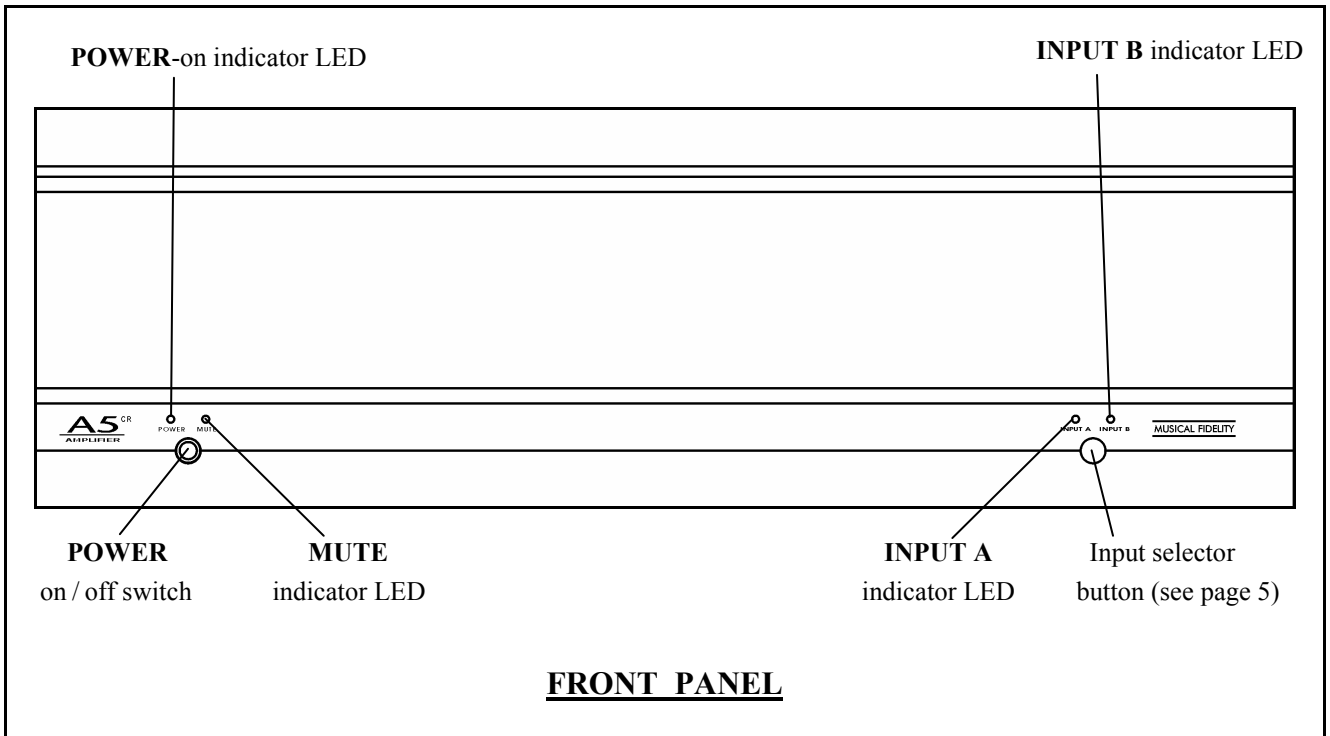
The electronics in modern hi-fi equipment is complex and may, therefore, be adversely affected or damaged by lightning. For protection of your audio system during electrical storms, remove the mains plugs and disconnect any aerial lead.

If after-sales service is required, to help your dealer identify the A5<sup>CR</sup> Power 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



# CONNECTIONS and OPERATION

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

If in doubt about bi-amplification, please contact your dealer for advice.

## INPUT CONNECTIONS

The A5<sup>CR</sup> Power amplifier can be used with any preamplifier or line level source which has a volume control. We highly recommend the matching A5<sup>CR</sup> Preamplifier available from Musical Fidelity.

Two stereo pairs of RCA audio input sockets marked "A" and "B" on the rear panel allow a choice between either of these input sources. Simultaneous mixed A and B operation is not possible.

Using good quality co-axial audio leads, connect the left and right outputs from your pre-amp or other line level source to either or both A and B inputs.

Whichever input is chosen, a fixed "line level" audio output from the selected source is available from the adjacent **OUTPUT** RCA sockets for onward connection to another amplifier. This is to allow for "bi-amplification" (see below).

## BI-AMPLIFICATION

The A5's RCA **OUTPUT** sockets allow "bi-amplification" of a speaker system using suitable external amplifiers and crossover networks. This enables the speaker drive units to be powered separately, giving noticeable improvement in clarity, imaging and bass weight.

In this arrangement, typically one A5<sup>CR</sup> Power amplifier is used to drive the "tweeter" (high frequencies), and another to drive the "woofer" (low frequencies) of each loudspeaker enclosure. Thus, two A5s would be needed for a stereo pair.

## LOUDSPEAKER CONNECTIONS

Connect your loudspeakers to either of the two pairs of loudspeaker terminals situated on the back panel marked as **LEFT** and **RIGHT SPEAKER OUTPUT**. The wiring must be "in phase", namely, the + and - terminals must be connected to the left and right speakers the same way round.

Note: - the combined load impedance must not be less than 4 ohms.

## 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 pre-amplifier to minimum, and switch on its power.

## OPERATION

Press the **POWER** switch button on the left-hand end of the front panel on the A5<sup>CR</sup> Power.

The blue **POWER** LED will light to confirm that the unit is ready for use.

However, for a few seconds no sound will be heard from your speakers, and the red mute indicator LED near the button will be lit, confirming initial mute action.

Select the required audio input source A or B by pressing the selector button on the right-hand end of the front panel. Now increase the volume control on your pre-amplifier to obtain the preferred sound level.

(continued . . .)

## PROBLEMS ?

Basic problem-solving with an amplifier is similar to troubleshooting other electrical or electronic equipment. Always check the most obvious possible causes first, such as the following examples:

<b>Problem</b>	<b>Probable Cause</b>	<b>Remedy</b>
No power when <b>POWER</b> button is pressed	Mains power plug is not fully inserted into rear socket	Plug in securely
No sound	Tape monitor function has been selected on the pre-amplifier	Switch off tape monitor
	Wrong connections between input source and the A5 Power	Check audio input lead connections
	Speakers not connected, or incorrectly wired	Check speaker cables
Sound is not precise, lacking in bass and stereo image	Speakers are connected out of phase, i.e., connections to one speaker (+ and -) are reversed	Ensure speakers are connected correctly
Hum	Audio connector plug not fully pushed in	Insert plug securely

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 A5<sup>CR</sup> Power amplifier yourself, as this will invalidate the guarantee.

# A5<sup>CR</sup>

## SPECIFICATIONS

### POWER AMPLIFIER

Output : Power :	255 Watts per channel into 8 Ohms (24dBW), 416 Watts per channel into 4 Ohms
Voltage, RMS :	45.2 Volts 20Hz to 20kHz
Voltage, Peak-to-peak :	118.8 Volts
Current peak-to-peak	200 Amps
Damping factor :	170
Output devices per channel :	8
Line inputs :	
Total harmonic distortion + noise,	< 0.01% 20Hz to 20kHz
Signal / noise ratio	> 109dB 'A'-weighted
Input sensitivity for 255 Watts into 8 Ohms	1.5V
Input impedance	100k Ohms
Channel separation	> 90dB typical
Frequency response	10Hz to 100kHz, +0, -1.5 dB
Inputs :	"A" 1 pair line level RCA connectors "B" 1 pair line level RCA connectors
Outputs :	2 amplifier channels via 2 pairs per channel binding posts 1 pair RCA loop output sockets
Power requirement :	100 / 115 / 230Volts AC 50 / 60Hz (factory pre-set), 750 Watts maximum into 8 Ohms, 70 Watts idle
Weight :	19.1 kg, 42.1 lbs unit only, unboxed 23.75 kg, 52.4 lbs in shipping carton
Dimensions :	440 mm, 17.3 inches wide 125 mm, 4.9 inches high including feet 400 mm, 15.75 inches deep including terminals
Standard accessories :	IEC type mains lead (10-Amp type)



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