

*Albarr*

*Music*



M608 User Manual

# *Albarr* Music

## M608 User Instructions

Your new Albarr Music M608 mono-bloc amplifiers have been designed and manufactured to give you the finest and most accurate reproduction and a musical listening experience. The following guide will allow you to fully enjoy all the benefits of your new M608's.

The amplifiers are designed to be permanently powered and switched on. This enables the amplifiers to always operate at their full potential and therefore do not require a burn-in period each time you have a listening session.

When the music source is turned down or switched off, the M608's enter a low current mode which means that the energy consumed is at a 'standby' level.

\*

After completing the initial installation and checks, leave the amplifiers powered up and switched on for at least 2 hours before commencing any serious listening.

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After being powered up and switched on for 24 hours, you will notice that the musical experience becomes even more enjoyable and enhanced.

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Leaving the amplifiers permanently powered up and switched on will enhance the already legendary Albarr equipment reliability and further improve your listening pleasure.

\*

Your new Albarr M608 amplifiers have been designed and optimised to realise the finest possible reproduction from Moving Coil based speaker units. If you require them to operate with Electrostatic speakers, please contact us for information about special output filter kits.

## Production and Test certificate

M608 Serial No's	
Build week	
Final test	
Q current	
P Out	
HD	
FR	

Burn-in and audio test	Start	Finish
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Final inspection	
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Packed by	
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## User Notes

Albarr Engineering  
Staffordshire, England 01782 507253

All Albarr Music products comply with the directives laid out in IEC 60065  
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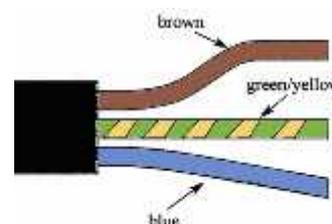
## Installation

### Mains power supply

Your new M608 amplifiers will normally be supplied with the IEC mains supply lead fitted with a power plug suitable to use in your area/region.

Where the IEC leads are supplied with bare wire soldered ends, they must be connected using the following colour code.

Brown	-----	Live
Blue	-----	Neutral
Green/Yellow	-----	Earth



For safety reasons, the equipment must be provided with an earth connection.

### Audio Connections

\* Connect your speaker enclosures using a suitable hi-end speaker wires to the gold plated output terminals provided.

Important - Do not use Plaited or Litz wire type speaker cables as these can lead to system or amplifier instability.

Always switch the amplifier off before remaking any speaker or system connections.

Make sure that the speaker lead connections are correctly in phase.

\*

Connect your source equipment i.e. Pre-amplifier/CD player etc, to the input phono sockets using appropriate hi-end interconnect cables. Note that some cable types are directional, it will be indicated on the cable outer sheath.

### Powering on your system

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Before applying power to the system, re-check all your connections.

Please note - to prevent any unusual or unwanted 'pops or bangs' from your speaker units, always power up the source equipment before turning on the M608 power amplifiers.

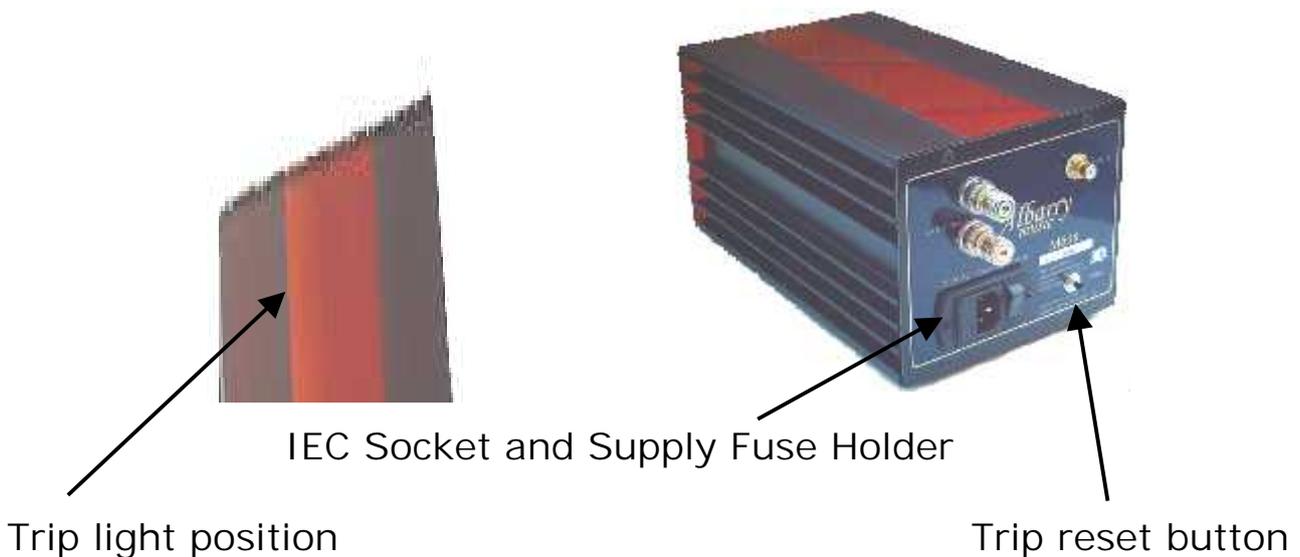
The M608's incorporate slow start power-up circuitry to prevent this undesirable effect.

## IR Trip

Your new M608 amplifiers have Albarry Music's unique Infrared coupled protection circuitry. This circuit is designed to shut the amplifier down in case of dire need, preventing the amplifier being damaged or overloaded. For example, unusual or faulty speaker loads.

In the event of the trip light being illuminated, try to reset the amplifier using the rear reset button. If the trip light continues to be illuminated, investigate and clear the fault condition.

To test and observe the trip light location, depress the trip reset button, the trip light will illuminate with the button depressed.



### \* Important \*

In order to maintain the sonic integrity of the M608, we do not include a fuse in the speaker output line. It is therefore most important to observe the normal practice of switching off the amplifier(s) or disconnection at the amplifier before changing or making speaker connections. Premature failure can result of continually relying on the trip circuit to protect the amplifier

This is normal industry good practice and it must be always be adhered to.

## Mains supply fuse

The mains power input fuse is incorporated into the IEC socket. This cannot be accessed with the IEC lead inserted.

In the event of the fuse requiring replacement, remove the IEC lead, use the lip on the fuse holder to pull the fuse carrier outwards.

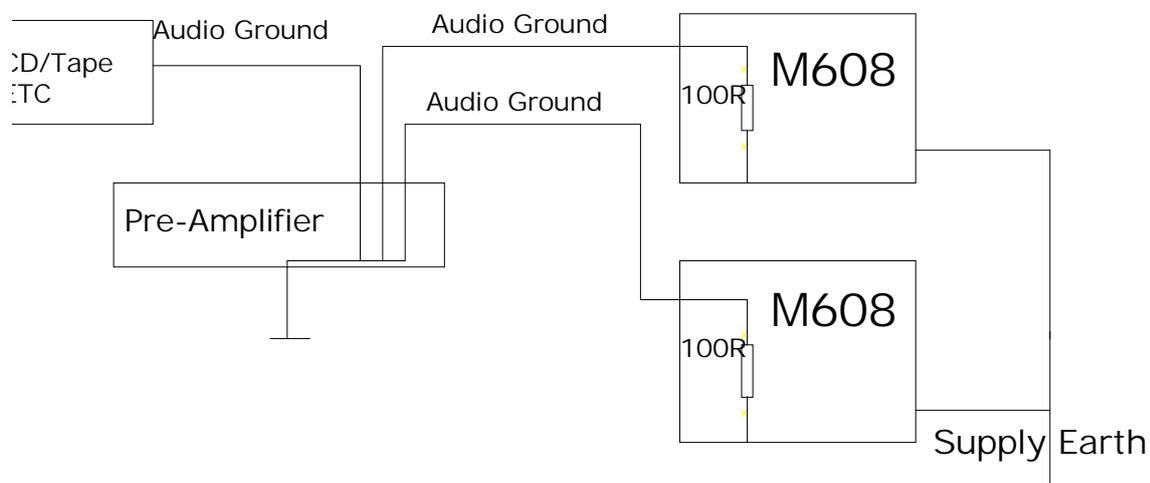
Use a small screwdriver or similar tool to gently prise out the old fuse and replace with the correct fuse rating.

Fuse rating: 3.15 Amp for 220-240V units (Anti-surge type)  
6.3 Amp for 110-115V units (Anti-surge type)

## Earthing System

Each M608 has an audio ground which is 'floated' 100 Ohms away from the case earth. The system audio ground should be connected to the supply earth at the pre-amplifier only. The 100 Ohm resistors allow a path to earth which exceeds the current required to operate a residual current circuit breaker in the event of high voltage breakdown.

The inclusion of the 100 Ohm resistors between the audio ground and supply earth helps to prevent numerous ground loops which can be more prevalent in mono-bloc based systems.



## Installation hints and tips

Whenever possible, use a locking type phono plug when connecting to the amplifier input. Avoid continually rotating the plug whilst it is being inserted into the socket, this can lead to the possibility of the phono socket being loosened on the back plate.

Remember - Always switch off the unit whilst making, changing or removing any speaker connections.

## Case Care

To care for the M608 metal case and perspex, use a good quality silicon based polish applied directly to a soft cloth.

Do not spray polish directly onto the amplifier.

Minor scratches or blemishes to the Perspex (Acrylic) can be removed with a liquid metal polish or a purpose made propriety brand perspex polish.

## Specifications

Output ..... 60Watts into 8 Ohms (18dBW)

Frequency response .....2Hz-110 KHz

Damping factor ..... greater than 500

Input impedance .....5K1 Ohms

Input sensitivity .....550mV 0dB

S/Noise ..... better than 113dB 'A' weighted 2/3s power

Output stage safety thermal cut-out at 80°C

Peak current and overload monitoring by I/R opto-coupled circuitry

Size .....H140mm W158mm D265mm

Weight .....14Kg (per pair)