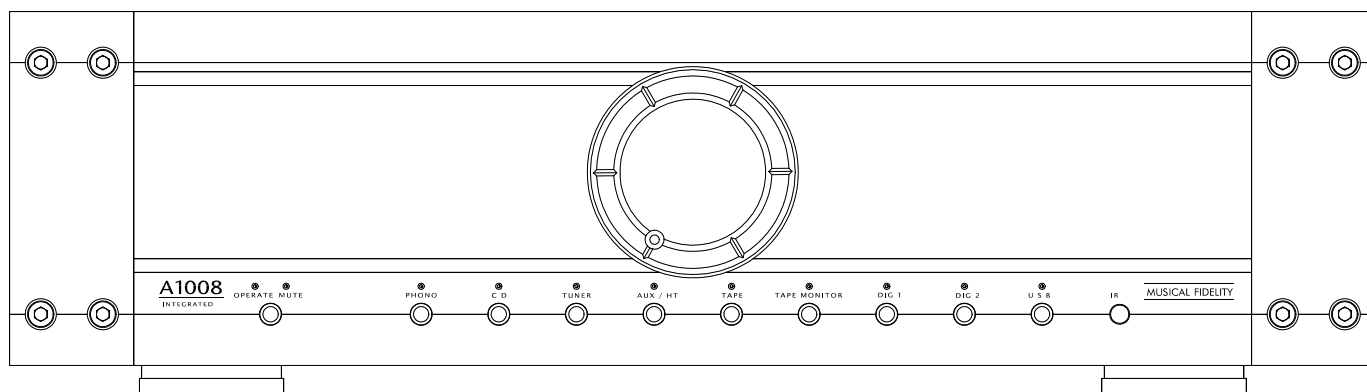


A1008

A-SERIES TUBE INPUT INTEGRATED AMPLIFIER AND DAC



INSTRUCTIONS FOR USE

Thank you for purchasing the Musical Fidelity A1008 Integrated amplifier

This integrated amplifier features digital inputs using the top quality, ultra low jitter 24 Bit DAC technology to achieve an unparalleled digital sound quality. It has two standard digital inputs and a USB socket for direct playback from computer. The analogue preamp stages are complemented by the classic X-10D tube stage using a top quality ECC88/6922 for the ultimate listening experience. Finally, our finely tuned power amplifier techniques are incorporated to achieve both an excellent technical specification and unparalleled sound quality with two monoblock power amps capable of driving the most demanding speakers.

The A1008 is a perfect answer to most integrated requirements in a single, beautifully engineered package.

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

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

PAGE	Section	
3	Safety information	- Mains plug (U.K. only) - Modification warning
4	General advice	- Installation precautions - User information
5	Disposal information	EU disposal information
6	Installation	- Introduction - Cleaning - Installation - Audio connection
7	Facilities and connections	- Illustrations – Main unit front & rear panels
8		- Illustrations – Power unit front & rear panels
9	Remote control	- Operation and illustration
10	Amplifier operation	- Starting, Volume, Mute, Phono, CD, TUNER, AUX/HT, TAPE, Recording
11		- Digital inputs 1,2 and 3, Computer setup for USB (PC and MAC), Digital outputs
12	Amplifier problems?	- Basic amplifier fault finding
13	Amplifier specifications	
14	Manual history	

IMPORTANT! (U.K. only)

This unit is supplied in the U.K. with mains lead fitted with a moulded 13 amp plug. If, for any reason, it is necessary to remove 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 the 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:

**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.**

INSTALLATION PRECAUTIONS & USER INFORMATION

This new A1008 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 A1008 power supply 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 A1008, 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 A1008 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.

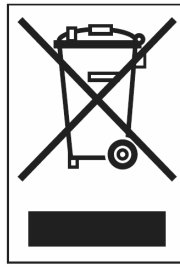
Do not remove any covers or try to gain access to the inside. There are no internal adjustments or fuses you can replace yourself. Refer all service work to an authorised Musical Fidelity agent.

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 the audio system during electrical storms, remove the mains plugs and disconnect any aerial lead.

If after-sales service is required, to help the dealer identify the A1008 please quote the serial number located on the rear panel of the unit.

**DISPOSAL**

The crossed out wheeled bin label that appears on the back panel of the product indicates that the product must not be disposed of as normal household waste. To prevent possible harm to the environment please separate the product from other waste to ensure that it can be recycled in an environmentally safe manner. Please contact local government office or retailer for available collection facilities.

**DISPOSITION**

La poubelle sur roulettes barrées X, qui apparaît en logo sur le panneau arrière du produit, indique que celui-ci ne doit pas être traité comme un déchet domestique commun. Afin de protéger l'environnement, ce produit électronique devra être géré séparément et donc recyclé selon les nouvelles normes Européennes Rohs concernant les déchets d'appareils électroniques. Prière de contacter les services concernés gouvernementaux ou votre point de vente pour l'élimination et l'enlèvement de déchets électroniques équipés de composants électroniques.

**DISPOSAL**

La etiqueta cruzada hacia fuera del compartimiento que aparece en el panel trasero del producto indica que el producto no se debe reciclarse como basura normal de la casa. Para prevenir daños posible al ambiente separe por favor el producto de otras basura para asegurarse de que puede ser reciclada de una manera ambientalmente segura. Entre en contacto por favor a su oficina gubernamental local o a su minorista para las instalaciones disponibles de la colección.

**RIFIUTI**

L'etichetta del cassonetto barrato riportato sul retro dell'apparecchio indica che il prodotto non deve essere smaltito tramite la procedura normale di smaltimento dei rifiuti domestici. Per evitare eventuali danni all'ambiente, separare questo prodotto da altri rifiuti domestici in modo che possa venire riciclato in base alle procedure di rispetto ambientale. Per maggiori dettagli sulle aree di raccolta disponibili, contattate l'ufficio govenativo locale od il rivenditore del prodotto.

**FACHGERECHTE ENTSORGUNG:**

Das auf der Geräterückseite angebrachte Label deutet darauf hin, dass das Produkt nicht mit konventionellem Hauskehricht entsorgt werden darf. Um Schäden und Verschmutzungen an Umwelt und Mensch zu vermeiden, muss das Produkt fachgerecht entsorgt und von anderem Abfall getrennt werden. Wenden Sie sich bei Fragen hierzu an Ihren Fachhändler oder an eine öffentliche Informationsstelle.

**AFVAL**

Het label op de achterzijde van dit apparaat, een afvalbak op wielen met een kruis doorgehaald, geeft aan dat dit apparaat niet samen met gewoon huishoudafval mag worden weggegooid. Om mogelijke schade aan onze leefomgeving te voorkomen dient dit apparaat, gescheiden van gewoon huishoudelijk afval, te worden afgevoerd zodat het op een milieuvriendelijke manier kan worden gerecycled. Neem voor beschikbare inzamelplaatsen contact op met uw gemeentelijke reinigingsdienst of met uw elektronica leverancier.

**HÄVITTÄMINEN**

Yliuksattua jätteastiaa kuvaava tarra tuotteen takalevyssä kertoo, että tuotetta ei saa käsitellä normaalina talousjätteenä. Ympäristön suojelemiseksi on tuote pidettävä erillään muusta jätteestä ja se on kierrätettävä ekologisesti kestäväällä tavalla. Ota yhteyttä laitteen myyjään tai Pirkanmaan Ympäristökeskukseen lähimmän kierrätyskeskuksen löytämiseksi.

**AFSKAFNING**

Logoet med en skraldespand med kryds over på bagsiden af apparatet indikerer at dette produkt ikke må kasseres som normal husholdningsaffald. For at forebygge mulig skade på miljøet, bedes De separere dette produkt fra andet affald, og sikre at det bliver genbrugt på en miljørigtig måde. Kontakt venligst de lokale myndigheder eller din forhandler for oplysning om nærmeste tilgængelige opsamlingssted for elektronikaffald.

**ΔΙΑΔΙΚΑΣΙΑ ΑΠΟΡΡΙΨΗΣ**

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INTRODUCTION

Congratulations on the purchase of the new A1008 integrated valve preamp dual mono power amp. Great attention has been paid to internal layout, isolating each circuit section to prevent possible interaction.

The unit features digital inputs where digital data streams are first up-sampled to 192kHz, which moves noise, jitter and distortion artefacts well above the audio band. They are then passed through a new, low noise, low distortion 24-bit dual-differential digital-to-analogue converter, which allows simpler filtering of the analogue output. This in turn gives an improved audio response without the need for sharp filters that degrade sound quality. The result is a built-in DAC which has a smoother response and lower distortion than previously possible.

The preamplifier sections are our finely tuned and tweaked tube input line level tube preamplifier, identical to our classic X-10D which uses 6922s for smooth sound coupled with low noise and virtually no distortion. The preamp section includes a top quality low noise phono stage which caters for both MM and MC cartridge users.

The power amplifier consists of two mono block amplifier modules with separate supplies for the absolute best in separation and imaging. Generously rated, they are enough to drive even the most demanding loudspeakers with ease. Low distortion and very quiet they will deliver all music types exactly as the artist originally intended.

The resultant performance achieved by this unit is among the best in the world. It has excellent signal to noise ratio, low distortion, wide bandwidth, huge dynamic range, extraordinary resolution and fine detail.

CLEANING

Before cleaning the unit, switch off power at the mains switch and remove the mains plug from the wall socket.

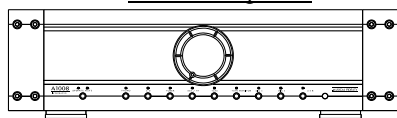
Clean the cabinet and remote control unit using a moist cloth. Using solvents, white spirit or thinners is not advised, as they could damage the surface finish.

INSTALLATION

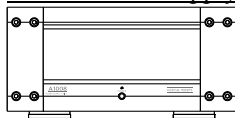
Position the A1008 on a stable, horizontal surface where there is no risk of it being knocked, or subjected to vibration such as from loudspeakers.

The A1008 must be protected from humidity - if the unit is moved from a cold place to a warm room, leave the unit for an hour or so to allow sufficient time for the moisture to evaporate.

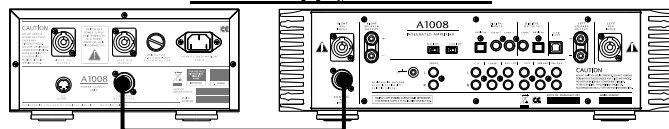
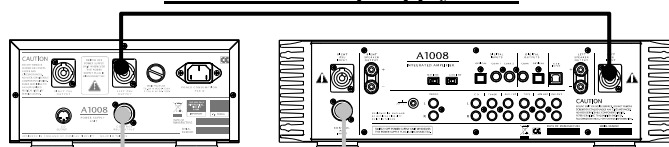
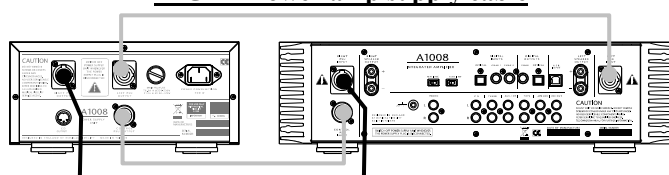
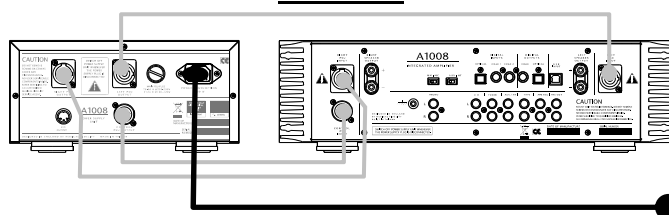
A1008 amplifier



A1008 Power Supply

**POWER CONNECTIONS**

The A1008 is supplied with a separate power supply which requires wiring to the main unit before use:

Power Supply control lead**LEFT Power amp supply cable****RIGHT Power amp supply cable****Mains lead****AUDIO CONNECTIONS**

Inputs: Connect all analogue sources to analogue inputs (see p.7 For more information). Use good quality fully connected (signal and ground) coaxial phono cables for all signal connections.

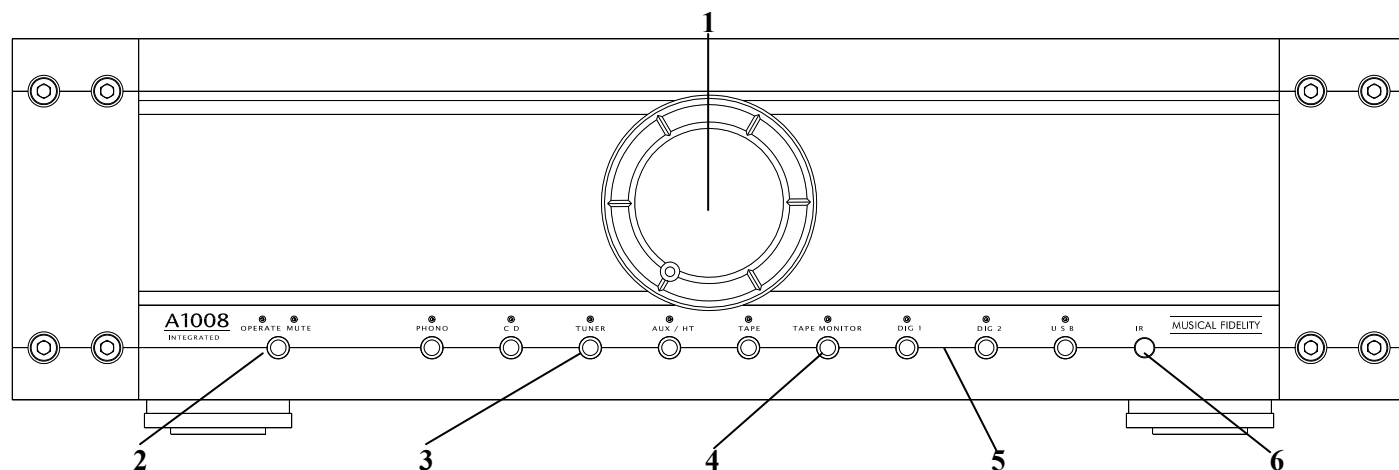
Connect all digital sources to digital inputs (see p.7 For more information). Use good quality fully connected (signal and ground) coaxial phono cables for all digital signal connections.

Outputs: Connect loudspeakers to the terminals on the back panel marked as **LEFT** and **RIGHT SPEAKER** outputs

The **TAPE** output allows loop through of analogue signals for example, to pass on to recorder or monitor.

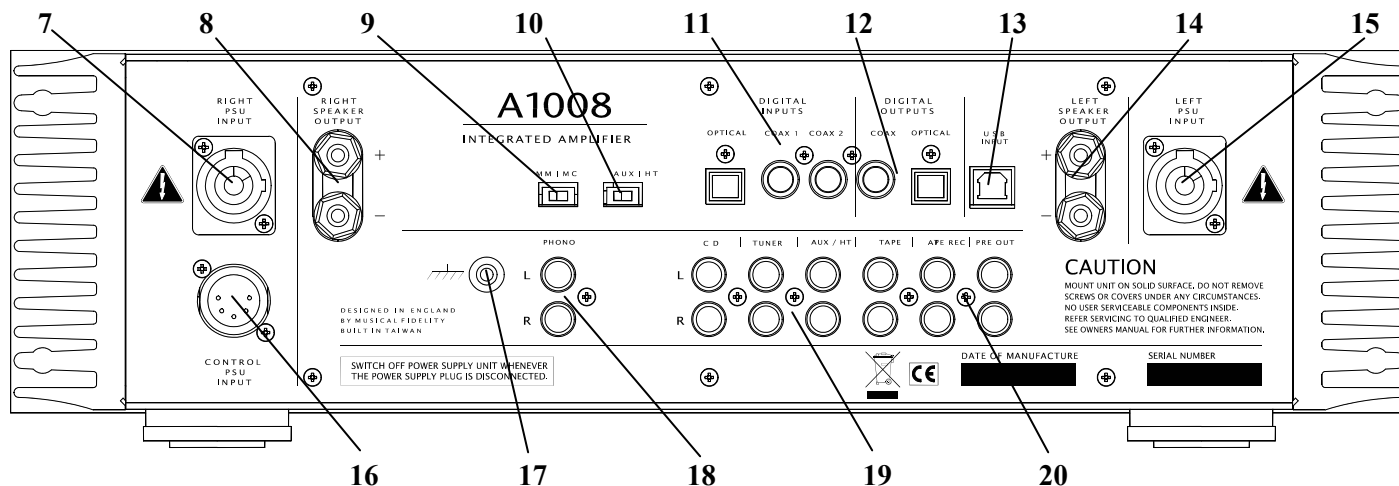
The **PRE-OUT** output allows analogue signals controlled by the volume, to pass on to a second amplifier.

MAIN UNIT FRONT PANEL



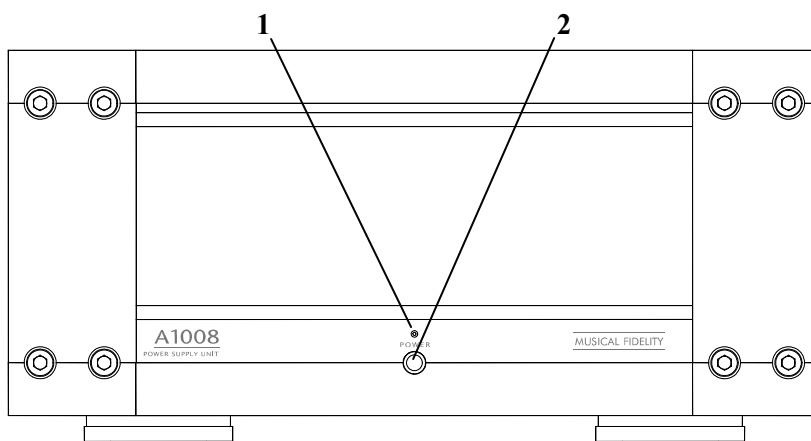
- | | |
|---|--|
| 1. VOLUME knob | 4. TAPE MONITOR button |
| 2. ON/OFF Button | 5. DIGITAL INPUTS selector buttons and LED indicators |
| 3. ANALOGUE INPUTS selector buttons and LED indicators | 6. IR RECIEVER lens |

MAIN UNIT REAR PANEL



- | | |
|---|--|
| 7. POWER SUPPLY Right hand power amp | 14. LOUDSPEAKER OUTPUTS Left hand side |
| 8. LOUDSPEAKER OUTPUTS Right hand side | 15. POWER SUPPLY Left hand power amp |
| 9. PHONO MM/MC Switch | 16. POWER SUPPLY PSU control |
| 10. AUX/HT Switch | 17. PHONO GROUNDING 4mm post |
| 11. DIGITAL INPUTS 1 (optical/coax) & 2 (coax) | 18. PHONO RCA Sockets |
| 12. DIGITAL OUTPUTS (optical/coax) | 19. CD, TUNER, AUX/HT, TAPE INPUT RCA Sockets |
| 13. USB Input (type B) | 20. PRE, TAPE OUTPUT RCA sockets |

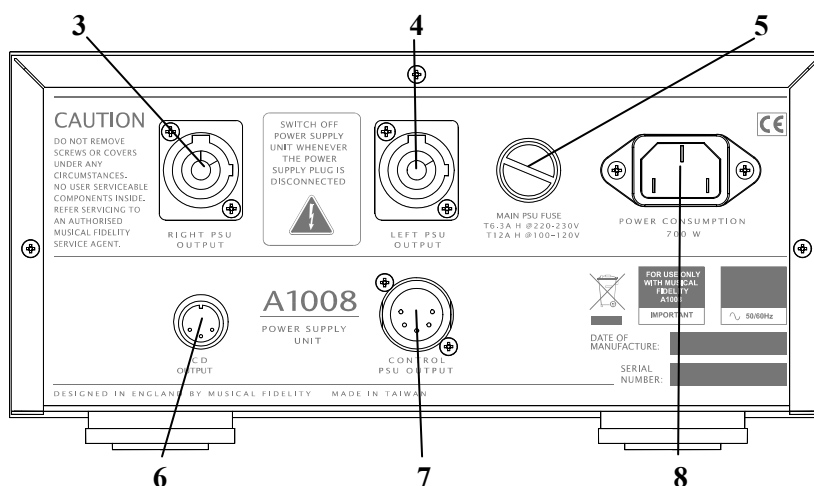
POWER SUPPLY FRONT PANEL



1. **POWER LED** Indicator

2. **POWER** mains on/off switch

POWER SUPPLY REAR PANEL



3. **POWER OUTPUT** Right hand power amplifier

4. **POWER OUTPUT** Left hand power amplifier

5. **POWER FUSE** Main PSU

6. **POWER OUTPUT** CD Player

7. **POWER OUTPUT** Power control sections

8. **IEC MAINS INLET**

The universal remote control shown below enables functions from this and related units to be operated from a convenient distance. Equivalent buttons on the remote control have the same functions as those on the front panel of the unit. Other functions are only available by remote control.

As the handset uses an invisible infra-red light beam, the front edge must be pointed directly towards the receiver window at the front of the player, without visual obstruction between them.

If the range of the remote control greatly decreases, replace the batteries with new ones. Do not mix old and new batteries - two are required, size AAA, LR03 or SUM-4.

Please dispose of used batteries in accordance to local regulations.

Tuner Buttons:

INFO – To access broadcast information

MENU – to choose options

AUTO TUNE – finds previous/next broadcast

MONO/STEREO – Option for weaker FM stations

Amplifier Buttons:

PHONO – Selects Phono input

DIG 1 – Selects Digital 1 inputs

DIG 2 – Selects Digital 2 input

USB – Selects USB input

CD – Selects CD input

TUNER – Selects TUNER input

AUX/HT – Selects AUX 1/HT input

TAPE – Select TAPE input

CD Buttons:

TIME – Displays Track Time/Time remaining

0-9 Buttons – Used to select track numbers

CHECK – Check pre programmed tracks

PROGRAM – Programs selection and order of tracks

INTRO – Player plays first 10 seconds of each track

REPEAT – Repeats whole disk or selected tracks

SEARCH – Fast forward/backward through track

STOP – Stop playing/Eject CD



BAND – Selects DAB or FM

STORE – Stores station as preset

SELECT – To choose preset/DAB station

PRESET ↑ ↓ selects preset

TUNE ↑ ↓ steps up/down band

VOLUME UP/DOWN – sets volume level

MUTE – Mutes speaker outputs until pressed again

DISPLAY – Dims display

CLEAR – Clears selected pre programmed track

A/B Sets repeat start/end to repeat section of track

SHUFFLE – Plays back tracks in random order

TRACK – Next/previous track

PAUSE/PLAY – Stop/start CD playback

STARTING

Once all connections are made, switch on the unit, using the **POWER** button on the power supply unit. The **POWER** LED on the PSU will light. Pressing the **OPERATE** button to the bottom left of the amplifier front panel will then turn on the main amplifier power. The **MUTE** LED will glow red to indicate speaker outputs are muted, for about fifteen seconds, so no sound will be heard from the speakers. Once the 15 seconds is up it will extinguish to indicate unit is settled, and ready for use.

VOLUME

The volume control knob should be adjusted for normal listening levels.

Adjusting the volume can also be achieved using the remote handset, using the volume up/down buttons (see p. 9).

MUTE (remote only)

The sound from the speakers may be muted by use of the **MUTE** button on the remote. Press once and the red **MUTE** LED will light indicating muted state. No sound will be heard from the speakers.

To return to listening; simply press the **MUTE** button again so the **MUTE** LED goes out.

PHONO INPUT

To use the phono input, connect turntable cartridge outputs to the phono input sockets (see p.8).

The phono switch above the inputs selects the corresponding gain suitable for the cartridge being used, MM or MC.

Note- to reduce risk of damage to hearing and/or speakers, the amplifier will automatically mute for a few seconds when changing the MM/MC switch.

Selecting the **PHONO** input can also be achieved using the remote handset, (see p. 9) but MM/MC switching is **not** available on the remote.

CD

To use the **CD** input, connect external source to the **CD** input (see p.7). Pressing the **CD** button selects the corresponding input.

Selecting the **CD** input can also be achieved using the remote handset, using the **CD** button (see p. 9).

TUNER

To use the **TUNER** input, connect external source to the **TUNER** input (see p.7). Pressing the **TUNER** button selects the corresponding input.

Selecting the **TUNER** input can also be achieved using the remote handset, using the **TUNER** button (see p. 9).

AUX/HT

To use the **AUX**, as standard input, check the **AUX/HT** switch is set to **AUX** position. Connect line outs from source to the **AUX** input (see p.7). Pressing the **AUX 1** button selects the corresponding input.

To use the **AUX**, as home theatre direct input, check the **AUX/HT** switch is set to **HT** position. Connect line level outputs from home theatre processor to the **AUX 1** input (see p.7). Pressing the **AUX 1** button selects the corresponding input. Volume control is now only possible (for this input) on the external processor.

Please note connecting standard line signals to these inputs in HT mode will cause very loud and damaging signals at speakers that cannot be controlled through the volume control. Please ensure correct AUX/HT switch position before using this input

Selecting the **AUX/HT** input can also be achieved using the remote handset, using the **AUX/HT** button (see p. 9), but **AUX/HT** switching is **not** available on the remote.

TAPE

To use the **TAPE** input, connect external source to the **TAPE** input (see p.7). Pressing the **TAPE** button selects the corresponding input.

Selecting the **TAPE** input can also be achieved using the remote handset, using the **TAPE** button (see p. 9).

RECORDING AND TAPE MONITOR

To record to tape, (or alternatively CD recorder, DAT, minidisk or computer soundcard analogue input) connect the tape out to the tape recorder line in. Press the input selector button on the front panel or remote control. This source will now be routed to the A1008 **TAPE OUT** for recording by tape deck.

The recording can be directly monitored through the loudspeakers by pressing the **TAPE MONITOR** button. Press again to return back to the input being recorded.

On some 3 head tape decks there is an additional tape/source switch which should be in the tape position for this to work. If in doubt, please consult tape deck operating manual.

Note - adjustment of the volume control has no effect on the recording level.

For Digital recording of the selected source, the coax or optical digital outputs may be used. Connect the required digital output to the recording device using coaxial or optical cable. Digital recording of the selected digital input is now possible.

Note: Analogue inputs cannot be recorded from the digital output.

Digital inputs 1,2 and USB

For the digital inputs including USB, selected input LED will flash in absence of digital input signal. When a signal is present, the LED will light continuously.

A good quality phono to phono cable is required to connect the A1008 to any digital sources, or there is provision for an optical (TOSLINK) connection on input 1.

Plug one end into the required input socket in the back of the A1008

Plug the other end into the digital output on a digital source e.g. CD player, minidisk, DAT or Satellite receiver.

Once connected, select the correct input on the front panel or corresponding remote button. The input selected should display a constant light and once the source is playing, the music should be heard through the system.

Computer setup for input USB input

A good quality USB A to B cable is required to connect the unit to the computer.

Plug the B (square) end into the socket in the back of the A1008

Plug the A (rectangle) end into a free USB socket on the computer.

The computer should detect the new hardware and install a generic driver automatically (No setup or driver disk required).

CD, MP3, WAV files played on any software should now play through the A1008. This device has been designed to work with PC Windows 98, ME, 2000, XP as well as Apple Macintosh OS X.

Please note:

This device is a high speed serial data processor, and by its nature, requires a very high volume of USB bandwidth. It will benefit greatly from being the only device connected on its USB 'bus'. Sharing the same bus with other devices may cause unwanted artefacts such as dropouts or temporary loss of signal. This especially includes the use of the A1008 on a USB hub/splitter alongside other USB components

PC users

Check the computer has picked up the device and is currently using it by clicking: (most Windows versions)

- Start
- Settings
- Control panel
- Sounds and Multimedia
- Audio

Check that "USB audio device" appears under PREFERRED AUDIO DEVICE tab

A second mixer will now be available which will be the default mixer whenever the A1008 is plugged in. Use this mixer to select the source or adjust levels if required.

Mac users

Check the computer has picked up the device and is currently using it by clicking: (MAC OS X)

- System preferences
- Hardware
- Sound

Check that "USB audio DAC" is selected under the OUTPUT tab.

If the computer's warning sounds/chimes are to be played through the A1008, make sure it is selected under the SOUND EFFECTS tab too.

Note: USB may also be selected as an output in some individual programs

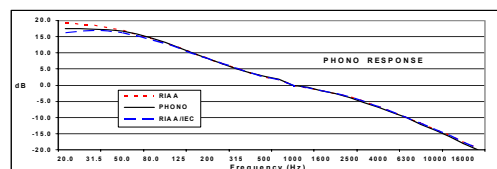
Digital Output Coaxial and optical:

An RCA coaxial and TOSLINK optical socket are provided to allow loop through digital connection of the selected source. This will enable, for example the digital recording of the selected input onto a CD-R/RW, MD, DAT, or other digital recorder. The data stream sample rate is passed through unaffected.

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:

Problem	Probable Cause	Remedy
No power when POWER button is pressed	Mains power plug is not fully inserted into rear socket	Plug in securely
No sound	Mute function is still active Wrong connections between input sources and the unit Speakers not connected, or incorrectly wired	Press the MUTE button on the remote control to cancel Check audio input lead connections 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 with same polarity at amplifier <i>and</i> speaker ends.
Hum	Audio connector plug not fully pushed in Cable Fault Unsuitable Cable (e.g. cable grounds not connected)	Insert plug securely Check cable is connected at both ends. N.B. some esoteric cables have internal wiring intentionally disconnected/modified. For best results on all inputs analogue AND digital, please use good quality screened coax; signal and screen directly connected both ends.
No audio output, or too low level output	Incorrect or missing connections USB Driver not selected (PC or MAC)	Check connections and make sure they are secure. See P.9 <i>PC users</i> or <i>MAC users</i> section
Dropouts in sound (RCA digital inputs)	Digital input lead not properly connected Faulty digital input lead	Check input lead is fully secured Change lead. Please use a good quality straight-through signal-and-ground phono to phono lead.
No audio output from USB input	USB Cable not connected USB Driver not selected (PC or MAC)	Check connections and make sure they are secure. See P.9 <i>PC users</i> or <i>Mac users</i> section
Not detected when connected to USB	USB Cable faulty USB not working/enabled on computer Correct USB drivers not installed (can happen particularly with factory-preinstalled Windows operating systems)	Check and replace cable Check USB port functions with another device. Please check with the computer manufacturer. Enquire about USB driver or update.
Dropouts in sound (USB input)	Shared USB port with another device Computer busy with another application Computer low on resources	Avoid sharing the USB port with other devices, if possible. At times an application (program) may intervene, sometimes invisibly e.g. a virus scanner. When this happens, computer resources are temporarily used up, and playback may suffer. This is not a fault. Try running fewer applications if possible.
Hum	Audio connector plug is not fully pushed in	Insert plug securely
Remote control does not work	Amplifier's POWER switch is set to off One or more batteries fitted the wrong way round Batteries are flat Remote control is not pointed directly towards the front panel of the amplifier	Set switch to on Insert batteries correctly Change batteries for a new set Ensure there is no obstruction between the remote control and amplifier front
Remote control range has greatly reduced	Batteries are running out	Change batteries for a new set.
If none of these actions affect a cure, please contact the dealer, or an authorised Musical Fidelity service agent. Remember; never open the case of the A1008, as this will invalidate the guarantee.		

Output:	Voltage, RMS	45 Volts 20Hz to 20 kHz			
	Voltage, Peak-to-peak	127.3 Volts			
	Power	250 Watts per channel into 8 Ohms (24dBW)			
		400 Watts per channel into 4 Ohms			
	Current peak-to-peak	75 Amps			
	Damping factor	140			
	Output devices per channel	4			
Line input:	Pre-out impedance	50 Ohms			
	THD + N, 20Hz to 20 kHz	<0.01% typical			
	Signal / noise ratio	>100dB 'A'-weighted			
	Input sensitivity for 250W	330mV			
	Input impedance	220 k Ohms			
	Overload margin	26dB			
	Channel separation	>70dB typical			
DAC:	Frequency response	20Hz to 20 kHz, +0, -0.2dB			
	DAC circuit	24 bit Delta-Sigma (Bit stream) dual differential 8X over sampling			
	Total correlated jitter	< 135 pS			
	Linearity	< 0.1dB down to -96dB			
	Output digital 0dB level	2.18VRMS at 1 kHz nominal			
	Frequency response	10Hz to 20 kHz -0.2dB max			
	Channel separation	> 105dB 20Hz to 20 kHz			
	Signal / noise ratio	> 117dB "A" weighted			
	Total harmonic distortion	< 0.003% 10Hz to 20 kHz			
	Phono input response:	RIAA/IEC combined, see graph			
Signal/noise ratio		>96dB 'A'-weighted			
Input sensitivity		2.5mV (MM)			
		0.5mV (MC)			
Input impedance		47K Ohms (MM and MC)			
Connections:	Overload margin	24dB (MM and MC)			
	Line level inputs:	4 pairs line level RCA connectors,			
	Line level outputs:	1 pair phono (MM/MC) RCA connectors			
	Digital inputs:	1 pair RCA [preamp] controlled by the volume			
	Digital outputs	1 pair RCA [tape record] fixed line level			
Power requirement:	Digital inputs:	1 USB 1.1 [32, 44.1, 48 kHz sample rates] connection for <u>computer</u> only			
	Digital outputs	2 S/PDIF (RCA connector)			
	Speaker outputs:	1 optical (TOSLINK)			
		1 S/PDIF (RCA connector)			
		1 optical (TOSLINK)			
Standard accessories:	Power Supply Unit	A1008 Power Supply Unit	1 off		
	Power supply lead, Control	1.0 m	39 ¼ inches	1 off	
	Power supply leads,	1.0 m	39 ¼ inches	2 off	
	Left & Right Supplies				
	Mains lead	10 Amp IEC type		1 off	
Dimensions:	Remote control	A1008, universal		1 off	
	Batteries	Size LR03 or AAA, manganese alkaline type		2 off	
	Main unit	Power supply			
	440 mm	17½ inches	254 mm	10 inches	wide
	125 mm	5 inches	125 mm	5 inches	high inc. feet
Weight:	400mm	15¾ inches	380 mm	15 inches	deep inc. terminals
	13 kg,	30 ½ lbs	9.7 kg,	21 ½ lbs	Unboxed
	32 kg	70 ½ lbs	(included)	(included)	Boxed unit including power supply and all accessories



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

RELEASE	DATE	CHANGES
Issue 1	18 th January 2007	1 st issue
Issue 2	1 st February 2007	Left, right, and control supply lead lengths updated