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.
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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: $\equiv$

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.
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.

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.

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.

L'étiquette del cassonetto barrato riportato sul retro dell'apparecchio indica che il prodotto non deve essere smaltito come rifiuto normale. 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 governativo locale o il rivenditore per informazioni sulle procedure di recupero.

Das auf der Geräterückseite angebrachte Label deutet darauf hin, dass das Produkt nicht mit konventionellem Hausmüll 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 Informationstelle.
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.

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
2. ON/OFF Button
3. ANALOGUE INPUTS selector buttons and LED indicators
4. TAPE MONITOR button
5. DIGITAL INPUTS selector buttons and LED indicators
6. IR RECIEIVER lens

**MAIN UNIT REAR PANEL**

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

<table>
<thead>
<tr>
<th>Problem</th>
<th>Probable Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>No power when <strong>POWER</strong> button is pressed</td>
<td>Mains power plug is not fully inserted into rear socket</td>
<td>Plug in securely</td>
</tr>
</tbody>
</table>
| 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 and 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 **PC users or MAC users** 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 **PC users or Mac users** 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
- **Pre-out impedance**: 50 Ohms

Line input:

- **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
- **Frequency response**: 20Hz to 20 kHz, +/-0.2dB

DAC:

- **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)
- **Input impedance**: 47K Ohms (MM and MC)
- **Overload margin**: 24dB (MM and MC)

Connections:

- **Line level inputs**: 4 pairs line level RCA connectors,
- **Line level outputs**: 1 pair phono (MM/MC) RCA connectors
- **Line level outputs**: 1 pair RCA [preamp] controlled by the volume
- **Digital inputs**: 1 USB 1.1 [32, 44.1, 48 kHz sample rates] connection for computer only
- **2 S/PDIF (RCA connector)**
- **1 optical (TOSLINK)**
- **Digital outputs**: 1 S/PDIF (RCA connector)
- **1 optical (TOSLINK)**
- **Speaker outputs**: 1 pair 4mm banana plug/binding posts per channel.

Power requirement:

- **100 / 115 / 230Volts AC**
- **50 / 60Hz (factory pre-set)**
- **700 Watts maximum into 8 Ohms, 120 Watts idle**

Standard accessories:

- **Power Supply Unit**: A1008 Power Supply Unit 1 off
- **Power supply lead, Control**: 1.0 m 39 ½ inches 1 off
- **Power supply leads, Left & Right Supplies**: 1.0 m 39 ½ inches 2 off
- **Mains lead**: 10 Amp IEC type 1 off
- **Remote control**: A1008, universal 1 off
- **Batteries**: Size LR03 or AAA, manganese alkaline type 2 off

Dimensions:

- **Main unit**: Power supply
  - 440 mm 17½ inches wide
  - 125 mm 5 inches high inc. feet
  - 400mm 15½ inches deep inc. terminals

Weight:

- **13 kg, 30 ½ lbs (unboxed)**
- **32 kg, 70 ½ lbs (boxed)**

Musical Fidelity reserves the right to make improvements which may result in specification or feature changes without notice.
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<td>18\textsuperscript{th} January 2007</td>
<td>1\textsuperscript{st} issue</td>
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<tr>
<td>Issue 2</td>
<td>1\textsuperscript{st} February 2007</td>
<td>Left, right, and control supply lead lengths updated</td>
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