

MUSICAL FIDELITY

7 CHANNEL  
POWER AMPLIFIER

**M6**<sub>x</sub> 250.7

## Instruction Manual

Manual in different languages available from [www.musicalfidelity.com](http://www.musicalfidelity.com)

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## Safety Information


This unit is supplied with a 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.

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.

## Precautions & User Information

**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.

This new M6x 250.7 is designed and built to provide trouble-free performance. 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 M6x 250.7 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 M6x 250.7, 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 the dealer, who should then check the unit before further use. Entry of liquid into the M6x 250.7 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 user adjustments or fuses to change without qualification. Refer all service work to an authorized Musical Fidelity agent.

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

The electronics in modern hi-fi equipment are complex and may, therefore, be adversely affected or damaged by lightning. For protection of the audio system during electrical storms, remove the mains plugs. If after-sales service is required, to help the dealer identify the M6x 250.7 please quote the serial number located on the rear panel of the unit.

## Installation

### Introduction

This unit has been designed for maximum performance. The M6x 250.7 easily powers your speakers at high levels and allows you to fully enjoy audio and video sources with great dynamics.

Note: In normal operation, the unit dissipates a small quantity of power at all times, and it is important that it is adequately ventilated. The M6x 250.7 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.

### 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 M6x 250.7 on a stable, horizontal surface where there is no risk of it being knocked or subjected to vibration such as from loudspeakers.

### Power Connections

The M6x 250.7 is supplied with a standard IEC mains cable which plugs into the IEC socket at the back of the unit.

### Audio Output Connections

**RCA output:** If you want to use two modules to bi-amplify speakers, or would like to bi-amplify using another power amp, you can use this output to feed another amp module or amplifier with the same signal.

**Speaker outputs:** The speaker output terminals for each channel are located below the XLR inputs. The top terminal of each channel is the positive (red) output and connects to the positive input of your speaker. The bottom terminal of each channel is the negative (black) output and connects to the negative input of your speaker. The terminals accept naked wire, spade connectors or banana plugs.

### Input connections

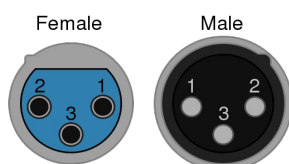
**UNBALANCED RCA input:** One unbalanced RCA input is available for each amplifier channel. Connect this to the corresponding RCA output of your preamplifier.

**BALANCED XLR input:** One balanced XLR input is available for each amplifier channel. Connect this to the corresponding XLR output of your preamplifier. If you have XLR outputs on your preamplifier, use these whenever possible. Balanced connections offer many advantages compared to unbalanced connections.

### Interconnects

Note: Musical Fidelity currently do not make any interconnecting cables other than those supplied with the unit. If necessary, please refer to the dealer who can advise on quality cables for any particular setup.

### Standard XLR Balanced input/output lead connections:



Pin functions:

- 1** Ground, OV
- 2** Normal polarity (“hot” or “+”)
- 3** Inverted polarity (“cold” or “-”)

(for reference only, no XLR signal lead supplied)

## Facilities & Connections



**1 Power/Standby button and LED's**

Turns the unit on or off. You can also use the trigger input to automatically turn on your M6x 250.7. It will turn on when an external source provides 5-30V on the trigger input.

**2 Status LEDs for each channel**

**Blue LEDs:** device is turned on and ready

**Red LEDs:** fault condition: Overheated, short circuit, DC on outputs

**Dimmed red LEDs:** standby mode is active



**1** RCA Analogue input

**2** RCA Analogue output (through)

**3** XLR Balanced input

**4** Speaker output

**5** Trigger ON/OFF

**6** Trigger IN/OUT

**7** Power ON/OFF switch

**8** Mains IEC socket

## Troubleshooting

Problem	Probable Cause	Remedy
No power	Power plug is not inserted into socket correctly.	Plug in securely into unit's IEC socket.
Excessive hum from system speakers.	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. Some "esoteric" cables have internal wiring intentionally disconnected/modified. For best results on all inputs, please use good quality screened coax; signal and screen directly connected both ends.
Amplifier will not turn on	Power switch not in ON position Power mode switch in wrong position	Check the power switch on the back & put it in ON position Check the power mode switch.

## Technical Specifications

<b>Output</b> Output power Output power peak THD+N Frequency Response SNR	7x 250W/4 ohms 7x 400W/4 ohms 0,003% at 100W power output 20Hz - 20kHz for 0,5dB 105dB at 1kHz at 200W power output
<b>Connections</b> Line level inputs  Line level outputs	7 line level RCA 7 line level XLR (balanced)  7 line level RCA through outputs
<b>Power requirement</b> Mains voltages Consumption	230V/115V Internally set or 100V optional. AC 50/60Hz 2500W, 0,5W standby
<b>Weight</b> Unit only, unboxed In shipping carton & inc. accessories	32,5 kg ca. 35 kg
<b>Unit dimensions</b> Wide High, including feet Deep (front to back) including terminals	450 mm 195 mm 435 mm

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

## Item Disposal Information for Europe



### 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 your local government office or your 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 reciclar 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 governativo locale od il rivenditore del prodotto.



### FACHGERECHTE ENTSORGUNG:

Das auf der Geräteückseite 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

Yliyksattua jäteastiaa 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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