

HT600

5 Channel Power Amplifier

INSTRUCTIONS FOR USE

*Thank you for purchasing the Musical Fidelity
HT600 5 channel power amplifier.*

*The HT600 is a 5 channel power amplifier specifically
designed for home theatre applications.*

*It has been developed to operate with all
Musical Fidelity preamplifiers but especially
the HTP home theatre processor.*

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

*Aesthetically, the HT600 is a perfect match for the
HTP home theatre processor.*

SAFETY INFORMATION

IMPORTANT!

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 this plug, please observe the following safety precautions. Please dispose of the cut-off plug safely. It must not be plugged into a mains power supply.


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 10 amp fuse must be used.

WARNING - Radio Frequency Interference (RFI)

This hi-fi product has been tested to ensure that its operation will not be adversely affected by normal background levels of RFI. It is possible that if this product is subjected to abnormally high levels of RFI the unit may be susceptible and not perform as expected. In the unlikely event of this happening on a regular basis, please contact Musical Fidelity's service department. The unit has also been tested to ensure that it does not radiate excessive levels of RFI that could affect other pieces of electronic or electrical equipment.

The electronics in modern hi-fi equipment is complex and hence may be damaged by lightning. It is possible that during electrical storms the operation of some equipment may be adversely affected. For complete protection of your hi-fi system during such storms, mains plugs and aerial leads should be disconnected.

Always ensure that when disconnecting and re-connecting your hi-fi equipment the mains supply is switched off.

GENERAL ADVICE

INSTALLATION PRECAUTIONS and USER INFORMATION

Your new HT600 5 Channel 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.

ALWAYS disconnect your entire system from the AC mains before connecting or disconnecting any cables, or when cleaning any component.

The HT600 generates a certain amount of heat and requires ventilation. Do not place it on a soft surface such as a rug into which it could sink. You should also avoid a built-in installation place such as a book-case or a rack unless you can provide proper ventilation for the unit.

This product is equipped with a three-conductor AC mains power cord which includes an earth ground connection. To prevent shock hazard, all three connections must ALWAYS be used. If your electrical outlets will not accept this type of plug an adapter may be purchased. If an adapter is necessary, be sure it is an approved type and is used properly.

Heed all warnings on the back of the unit.

Only connect the HT600 to a mains outlet of the voltage marked on the back of the unit.

The HT600 will operate in accordance with its specifications as long as the environmental conditions are kept in the following ranges:-

<i>Temperature</i>	<i>5 to 45 degrees Celsius</i>
<i>Humidity</i>	<i>10 to 90% non condensing</i>

Position the mains lead and all interconnects where they are not likely to be walked on or trapped by items placed on them.

Do not use near water. The unit shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the unit.

Do not place the unit near direct heat sources such as radiators or other equipment that produces heat.

Do not place the unit where it can be subjected to direct sun-light.

Do not remove any covers or try to gain access to the inside. The warranty is invalid if the unit has been tampered with. There are no user adjustments within. Refer all service work to an authorised Musical Fidelity agent.

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

NEVER use flammable or combustible chemicals for cleaning audio components.

There are fuses in the unit. In the unlikely event that one blows, take your unit to your audio dealer. Do NOT try to replace the fuse yourself or you will invalidate the warranty.

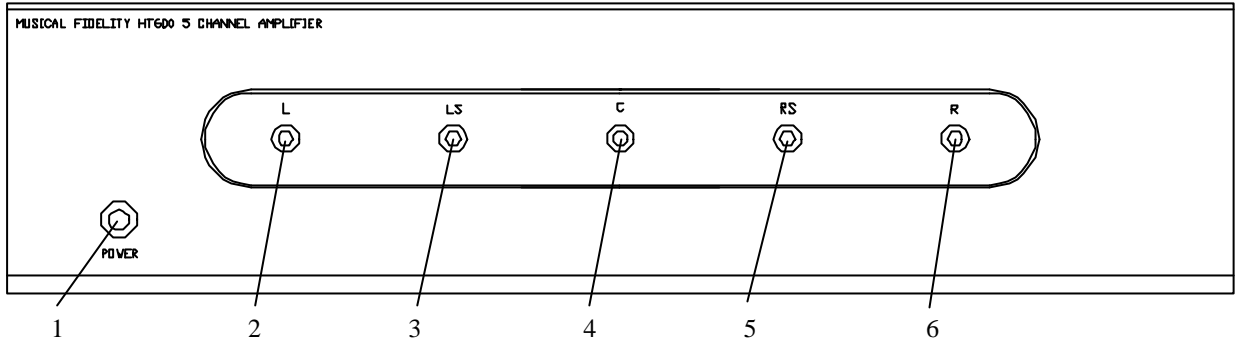
No naked flame sources, such as lighted candles, should be placed on the unit.

Keep out of reach of children.

Important! Unauthorised opening of the equipment will invalidate any warranty claims.

Note: To help your dealer identify your amplifier if after-sales service is required, please quote the serial number located on the rear panel of the unit.

CONNECTIONS AND FACILITIES

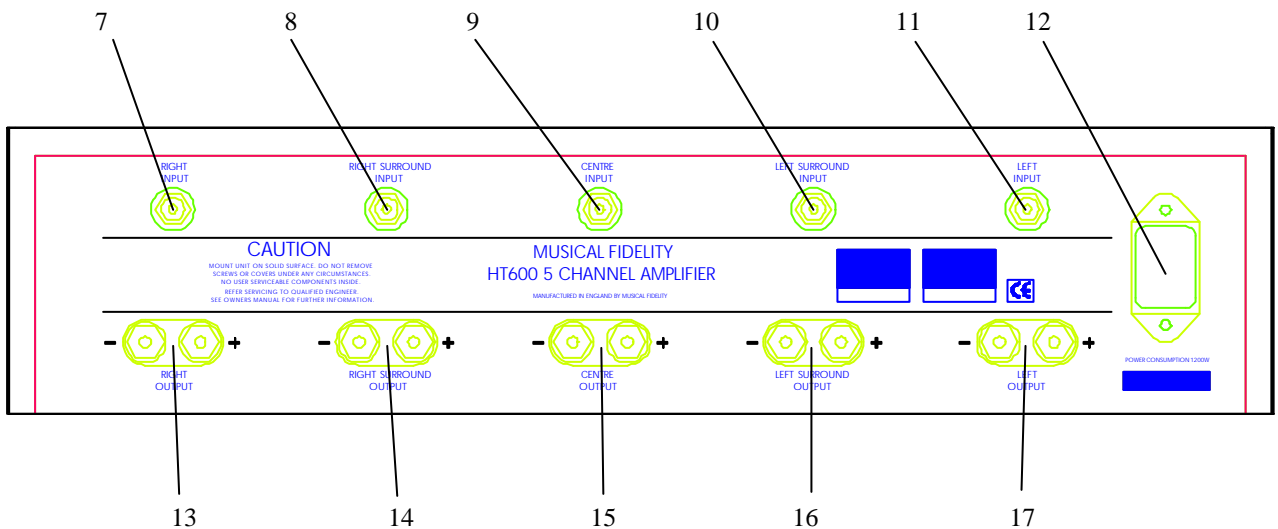


HT600 front panel layout

1	ON/OFF mains switch	4	Centre channel blue LED
2	Left channel blue LED	5	Right surround channel blue LED
3	Left surround channel blue LED	6	Right channel blue LED6

HT600 back panel layout

7	Right front line level input	13	Right front speaker output
8	Right surround line level input	14	Right surround speaker output
9	Centre channel line level input	15	Centre channel speaker output
10	Left surround line level input	16	Left surround speaker output
11	Left front line level input	17	Left front speaker output
12	IEC mains inlet		



CONNECTIONS

Before switching on your amplifier system please read carefully the instructions on the following pages.

INPUT CONNECTIONS

All connections should be made with the power OFF.

The HT600 power amplifier can be used with any preamplifier or any line level source which has a volume control. We highly recommend the matching HTP Home Theatre Processor available from Musical Fidelity.

Connect the Left and Right front outputs, Left and Right surround outputs and the centre channel output from your HTP or other preamplifier to the phono inputs on the back panel of the HT600. For the best results we recommend that you use either Musical Fidelity X-LINX "no-nonsense" interconnect cables for this connection or the highly rated Nu-Vista interconnects with integral RFI suppression. Various lengths are available in the Nu-Vista interconnect range.

Please contact your local dealer for more information.

OUTPUT CONNECTIONS

All connections should be made with the power OFF.

Connect your loudspeakers to the loudspeaker terminals situated on the back panel marked as Left, Right, Left Surround, Right Surround and Centre Loudspeaker Outputs. Ensure the polarity of each speaker is observed when connecting the speaker leads.

Once these connections are made, plug in the IEC type mains lead and switch on the unit.

WARNING

THE HT600 POWER AMP IS A POWERFUL AMPLIFIER AND IS DESIGNED TO SUPPLY HIGH VOLTAGES AND HIGH CURRENTS 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.

TROUBLESHOOTING

Basic troubleshooting of the HT600 is similar to troubleshooting of any other electrical or electronic equipment. Always check the most obvious possible causes first. In our experience most problems are caused by incorrect, faulty or not properly connected interconnects. Please check all these first. To give you a few other ideas of what to look for, please check the following:-

ALL 5 Blue LEDs do not light,

Power cord disconnected,
Mains switch switched off,

Re-connect.
Switch on.

One of the Blue LEDs does not light,

Unit has a fault

Switch off and refer back to you dealer.

**Sound is not precise, lacking in bass
and stereo image**

Speakers are connected out of phase

Make sure that all speakers are connected correctly.

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 HT600 5 Channel power amplifier yourself, as this will invalidate the guarantee.

SPECIFICATIONS

HT600

5 Channel Power Amplifier

Power output (0.5% distortion)	112 watts per channel into 8 Ohms 160 watts per channel into 4 Ohms
THD 20Hz - 20KHz	< 0.01% at 1KHz at 1W Typically 0.005% at 1KHz at full power
Frequency response	10Hz - 20KHz \pm 0.2dB
Frequency response	10Hz - 100KHz $-$ 3.0dB
Channel separation	$>$ -85dB 20Hz-20kHz
Input sensitivity	1000mV
Input impedance	31KOhm
S/N ratio	$>$ -100dB 'A' weighted (Ref 1W) $>$ -120dB 'A' weighted (full output)
Power consumption	1200W Max
Dimensions	Amplifier 440 x 95 x 400mm (W x H x D) Height includes feet, depth includes terminals
Power requirements	100/115/230V AC 50/60Hz (Factory preset)
Weight	16 kg (un-boxed)
Standard accessories	IEC type mains lead



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