

E30 STEREO POWER AMPLIFIER

INSTRUCTIONS FOR USE

Thank you for purchasing the Musical Fidelity Elektra E30 Power Amplifier . Used properly and carefully, it should give you many years of outstanding musical reproduction.

The E30 is the result of many years painstaking research and development. The E30 is designed for ultra-high definition performance.

Aesthetically, the E30 is a perfect match for the Elektra E20 preamplifier, E50 tuner and the E61 CD player. Together, they form one of the finest hi fi systems that you can own today.

Dust regularly with a soft duster or soft brush but do not use cleaning or polishing agents - they may harm the surface finish.

If you have any questions about anything in your audio system, please consult your dealer who is there to help and advise you.

the
elektra

IMPORTANT!

This unit is supplied in the UK 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 - Speaker Terminals

In order to comply with BSEN60-065 safety regulations, the 4mm. banana plug holes have been fitted with plastic blanking pieces. Removal of these will invalidate any safety approval of this unit.

WARNING - Radio Frequency Interference (RFI)

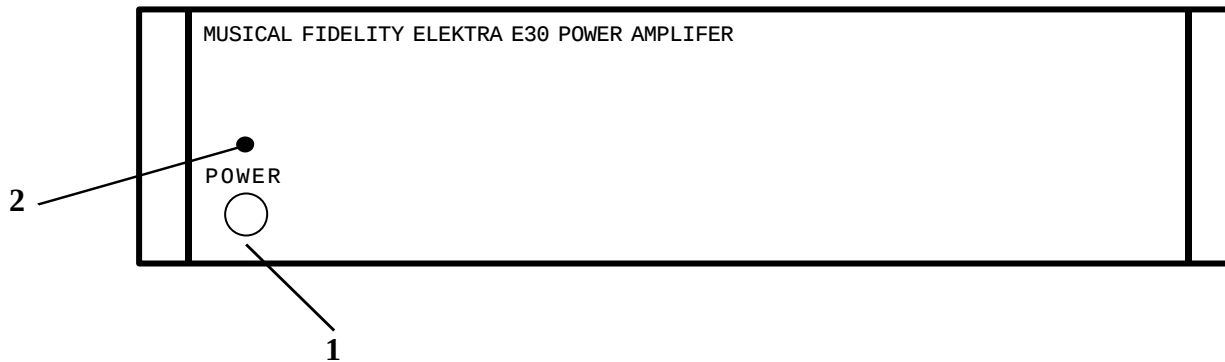
This hi-fi product has been tested to ensure that its operation will not be adversely affected by normal background levels of RFI. It is possible that if this product is subjected to abnormally high levels of RFI the unit may be susceptible and not perform as expected. In the unlikely event of this happening 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 should be removed and aerial leads disconnected.

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

Elektra E30 Power Amplifier

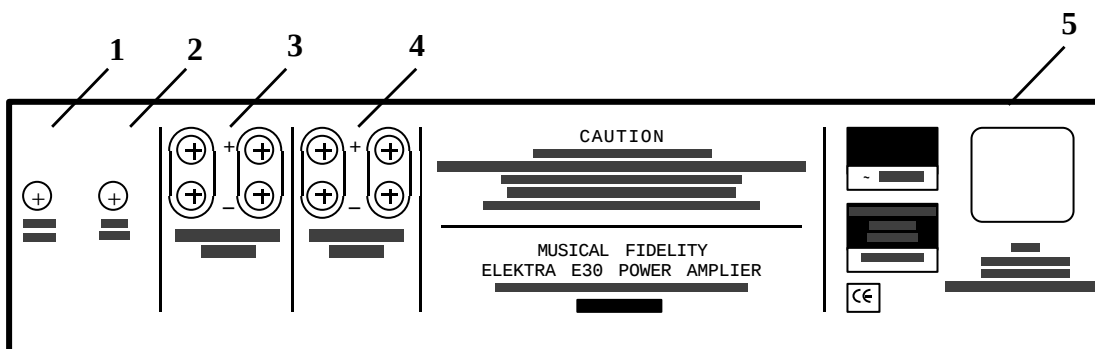


FRONT PANEL

- 1 Power on/off switch
- 2 Power LED

BACK PANEL

- 1 Right Input Channel
- 2 Left Input Channel
- 3 Right Speaker Output
- 4 Left Speaker Output
- 5 AC Mains Input



INSTALLATION PRECAUTIONS

Your new E30 is designed and built to provide trouble-free performance but it is necessary to observe a few precautions. Please ensure that you have complied with them before you connect any AC power to your amplifier. Retain this guide for future reference.

- ☑ **Heed all warnings on the back of the unit.**
- ☑ **Place your Elektra E30 where there is adequate ventilation.**
- ☑ **Only connect the unit to a power supply of the type marked on the back of the unit.**
- ☑ **Position the power supply lead and signal interconnect leads where they are not likely to be walked on or trapped by items placed on them.**
- ☑ **Do not use near water.**
- ☒ **Do not place the amplifier near direct heat sources such as radiators or other equipment that produces heat.**
- ☒ **Do not remove any covers or try to gain access to the inside. The warranty will be invalid if the unit has been tampered with. There are no user adjustments within. Refer all service work to an authorised Musical Fidelity agent.**
- ☒ **There are fuses in the E30. In the unlikely event that one blows, take your E30 to your audio dealer. Do NOT try to replace the fuse yourself or you will invalidate the warranty.**

BEFORE YOU SWITCH ON

You should make all connections to the E30 before switching on.

Follow this routine before you listen for the first time, and each time you change any connections.

- 1 Check all the inputs and outputs to the E30.
- 2 Then check again.
- 3 Turn the volume control to nil.
- 4 Now you can switch on the power and carefully advance the volume to the level you want and enjoy the music.

Please note that Musical Fidelity do not recommend the use of "Litz" type speaker cables.

LOUDSPEAKERS

To connect loudspeakers, you can use spade terminals or bare wire connections. Either of these methods should give good results. The bare wire connection gives the most direct join, and should therefore give the best sound quality, as long as the terminal is screwed down tightly. However, any benefits are likely to be minimal, and the use of spade terminals allows for easy changing of the connections. More important is to ensure that there are no wire "hairs" hanging loose. These could cause a short circuit, never a good thing for an amplifier. It is advisable to solder the ends of the cable, to prevent wires working loose. Make sure that the speakers are connected in relative phase. This means that you should connect the red wire to the red (+) terminal, and the black wire to the black (-) terminal. If your speaker cables are not red and black, simply ensure that both speakers are connected in the same way. Failure to do this will result in a sound which lacks bass and stereo image (sometimes referred to as "phasey"). Some commentators have asserted that the question of absolute phase is also important. Should you wish to check this out, try changing both speaker connections at the amplifier end.

IMPORTANT: switch the amplifier off before doing this.

Your audio dealer can make up a pair of cables specially for your E30/loudspeaker combination. Check the connections, and look out for any little 'hair' of wire which might short out the connections at either end of the cables.

To get the best from your E30 for a realistic soundstage and full dynamic range, use it with loudspeakers of a reasonable efficiency. An average rating for a loudspeaker these days is about 87dB. This should mean that for an input of 1 watt, measured at 1 metre

distance, the sound output will be 87dB. This is actually a reasonably loud sound, and much daily listening will not use much more power than this. Note that changing to a pair of speakers with a rating of 90dB is equivalent to doubling the power of your amplifier. To give some comparisons, a full concert orchestra will touch 105 to 110dB for short periods during a crescendo. Concorde at take off measures over 130dB, which is the threshold of pain, and positively dangerous. The E30, which is rated at 100 watts, should be capable of levels around 107 dB into the average pair of loudspeakers. Remember that this is measured at one metre from the speaker. This sound level should be more than adequate in most living rooms, and in fact should never be used for prolonged periods. However, loudspeakers are not particularly linear devices, and some amount of compression may keep the levels below the theoretical maximum. It has been determined that prolonged exposure to high sound levels can be dangerous to your hearing, so please take care.

CONNECTIONS

All connections should be made with the power OFF.

The E30 has inputs for RCA type phono plugs. Each input is clearly labelled on the back panel.

The mains connector is a standard IEC type. Do not try to use any other type of mains lead.

The E30 is extremely easy to use. Once the loudspeakers and a suitable preamplifier have been connected, switch on. The power indicator will come on.

Basic troubleshooting of an amplifier is similar to troubleshooting of any other electrical or electronic equipment. Always check the most obvious possible causes first. To give you a few ideas of what to look for, check the following:

<i>Problem</i>	<i>Probable Cause</i>	<i>Remedy</i>
No power when POWER is pressed	Mains plug not inserted correctly	<i>Plug in securely</i>
No sound	Volume control is set to minimum No connection between pre and power amps Speakers are not connected, or are connected incorrectly.	<i>Turn up the volume</i> <i>Make appropriate connection</i> <i>Check speaker cables</i>
Sound is not precise, lacking in bass and stereo image	Speakers are connected out of phase	<i>Make sure that both speakers are connected correctly</i>

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 E30 yourself, as this will invalidate the guarantee.

ELEKTRA E30 POWER AMPLIFIER

Power Output	2 x 100watts 8 Ω , 2 x 160 watts 4 Ω .
THD	< 0.05%
Frequency Response	20Hz - 20kHz +/- 1dB
Input sensitivity	0.775V/33k Ω
Power consumption	400 Watts
Power requirements	100-120 Volts, AC 50/60Hz 230 Volts, AC 50/60Hz (Factory preset for country)
Dimensions	
W x H x D	440 x 95 x 340mm Height includes feet.
Weight:	9.5 kgs. 11.5 kgs. (packed)

*Improvements may result in specification or feature changes without notice.
Photos and illustrations may differ slightly from production models.*