

# **E20 REMOTE CONTROL STEREO PREAMPLIFIER**

## ***INSTRUCTIONS FOR USE***

*Thank you for purchasing the Musical Fidelity Elektra E20 Preamplifier . Used properly and carefully, it should give you many years of outstanding musical reproduction.*

*The E20 is the result of many years painstaking research and development. The E20 is designed for ultra-high definition performance and is equipped with full remote control facilities.*

*Aesthetically, the E20 is a perfect match for the Elektra E30 power amplifier, E50 tuner and the E60 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.*



**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 - Radio Frequency Interference (RFI)**

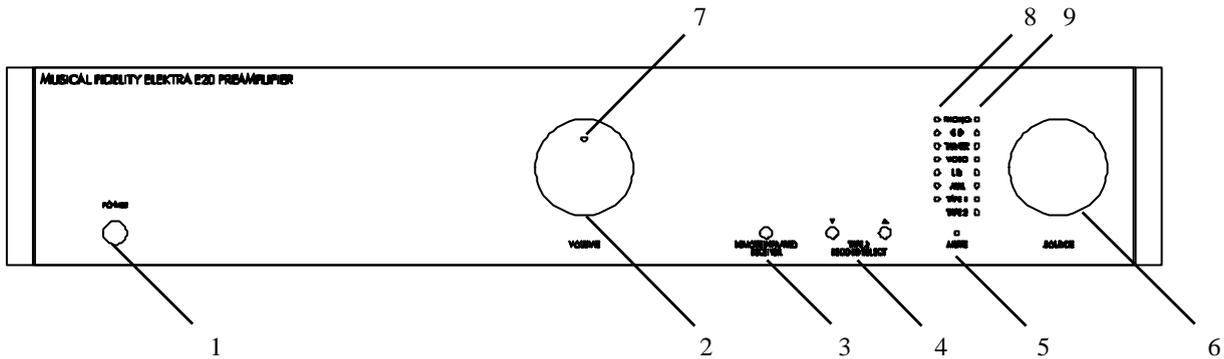
This hi-fi product has been tested to ensure that its operation will not be adversely affected by normal background levels of RFI. It is possible that if this product is subjected to abnormally high levels of RFI the unit may be susceptible and not perform as expected. In the unlikely event of this happening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

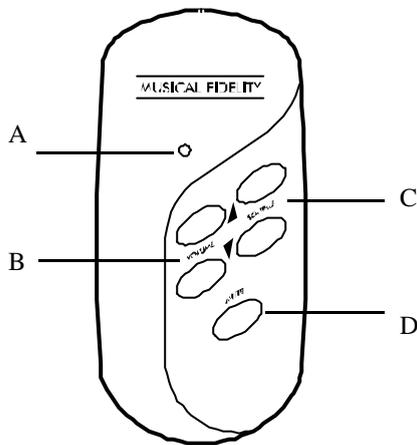
Always ensure that when disconnecting and reconnecting your hi-fi equipment the mains supply is switched off.

# CONNECTIONS AND FACILITIES



## FRONT PANEL

- 1 Power on/off switch
- 2 Volume control knob
- 3 Remote receiver lens
- 4 Tape 2 record selectors
- 5 Mute indicator
- 6 Source selector knob
- 7 LED, indicates volume setting
- 8 Output to Tape 2 indicators
- 9 Source (listen) indicators

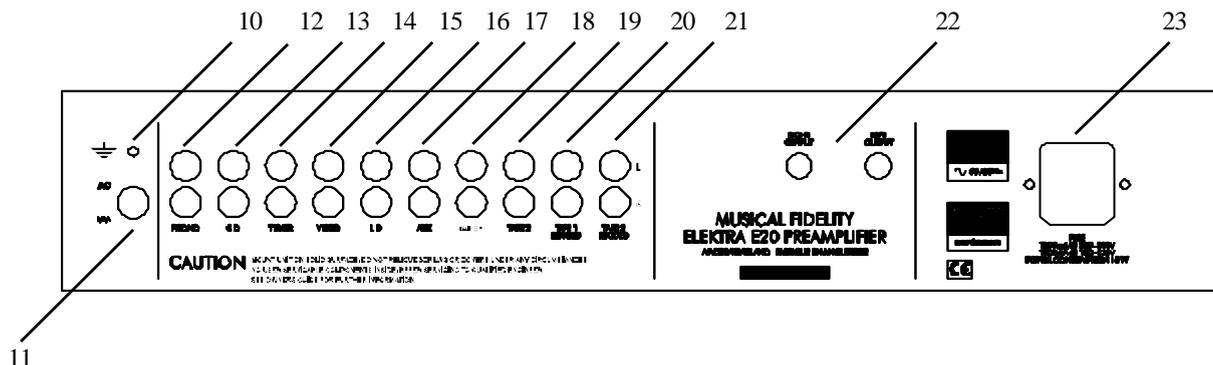


## REMOTE CONTROL

- A Remote operation LED
- B Volume Up/Down buttons
- C Source selector buttons
- D Mute Button

## BACK PANEL

- 10 Phono/Chassis Earth
- 11 Phono cartridge type button
- 12 Phono input
- 13 CD input
- 14 Tuner input
- 15 Video input
- 16 Laser Disc input
- 17 Auxiliary input
- 18 Tape 1 input
- 19 Tape 2 input
- 20 Tape 1 record output
- 21 Tape 2 record output
- 22 Preamp outputs
- 23 IEC mains inlet/ fuseholder



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## INSTALLATION PRECAUTIONS

Your new E20 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 E20 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.
- Fit 2 x “AAA” size batteries into the remote control. These must be alkaline types. Please observe the correct polarity of + and - when fitting.
- 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 E20. In the unlikely event that one blows, take your E20 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 E20 before switching on.

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

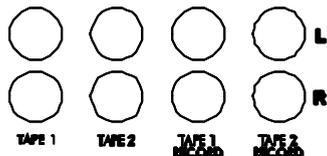
- 1 Check all the inputs and outputs to the E20.
- 2 Then check again.
- 3 Turn the volume control to nil.
- 4 Now you can switch on the power and carefully advance the volume to the level you want and enjoy the music.

## CONNECTIONS

All connections should be made with the power OFF. The E20 has inputs for Phono (MM and MC), CD, Tuner, Video, LD, Auxiliary and two Tape decks (1 and 2).

## TAPE CONNECTIONS

Note that the E20 has connections for two tape decks.



You could therefore have two tape decks connected at the same time. To listen to Tape 1, select Tape 1 with the source selector, to listen to Tape 2, select Tape 2 on the source selector.

For recording on Tape 1, whatever source is selected on the source (listen) selector will automatically be sent to the Tape 1 record outputs.

Tape 2 has its own record selector which is controlled by the push buttons on the front panel. This allows you to set which source you wish to record on Tape 2 independently from what is selected by the source (listen) selector. Thus it is possible to for instance listen to the CD input while recording the Tuner input on Tape 2.

## PREAMP OUTPUTS

In order to be used with loudspeakers, the E20 must be connected to a power amplifier, such as the Musical Fidelity Elektra E30. Connections are made with standard Phono/RCA type cables.

## OPERATION

All functions of the E20, with the exception of the TAPE 2 RECORD SELECT and power on and off, can be controlled via the supplied remote control.

To select any input, simply press the Source Up or Source Down button on the remote control, the preamp will then cycle through the inputs until the desired one is selected. The volume control is motorised, so that when you press Volume Up or Volume Down on the remote, the control will rotate in the required direction. The red LED in the volume control knob indicates the current setting of the control. To temporarily turn off the sound, in order to answer the telephone for instance, press the MUTE button on the remote control. The mute LED will light indicating the muted state. It is advisable to acquire the habit of turning down the volume to zero before switch off.

## HEADPHONES

The E20 has a standard 1/4" jack socket for connecting headphones. If your headphones are supplied with the type of mini-jack which is commonly used for portable cassette players, you will need to use a mini-jack to 1/4" jack adaptor. The E20 has a separate low powered Class A amplifier for headphone use. When you plug in the headphones, the main preamp output will be muted. Most headphones available on the market are suitable for use.

# TROUBLESHOOTING

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:

<b><i>Problem</i></b>	<b><i>Probable Cause</i></b>	<b><i>Remedy</i></b>
<b>No power when POWER is pressed</b>	Mains plug not inserted correctly	<i>Plug in securely</i>
<b>Hum when listening to turntable</b>	Incorrect earthing of pickup arm cable	<i>Either connect or disconnect the pick-up arm earth wire to the earth terminal on back panel</i>
<b>No sound</b>	Volume control is set to minimum Headphones are connected, muting the main output "Mute" pressed on remote control Power amplifier is not connected Speakers are not connected Wrong input is selected	<i>Turn up the volume</i> <i>Unplug headphones</i> <i>Press "mute" again</i> <i>Check cables and power amplifier</i> <i>Check speaker cables</i> <i>Check input selection</i>
<b>Sound is not precise, lacking in bass and stereo image</b>	Speakers are connected out of phase	<i>Make sure that both speakers are connected correctly</i>
<b>Remote control operation is not possible</b>	Amplifier's power switch is set to off Batteries not inserted in	<i>Set switch to on</i> <i>Insert batteries</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 E20 yourself, as this will invalidate the guarantee.

# SPECIFICATIONS

## ELEKTRA E20 REMOTE CONTROL PREAMPLIFIER

Output (Unbalanced)	0.775V
THD	< 0.01%
Frequency Response	20Hz - 20kHz +/- 1dB
Inputs.	5 Line, 2 Tape, 1 Phono.
Input sensitivity Line	250mV/47K
S/N Ratio Line	>85dB
Tape output	Dependent on input
Power consumption	10 Watts
Power requirements	100-120Volts, AC 50/60Hz 220-240Volts, AC 50/60Hz (Factory Preset for country)
Phono Stage	MM 3mV, 47K MC 500mV
Dimensions	
W x H x D	440 x 95 x 340mm Height includes feet.
Weight:	5.2 kgs. 7.0 kgs. (packed)
Standard Accessories	Remote Control Unit Battery 2 x (SUM-4, "AAA", "R03")

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