

# E200 REMOTE CONTROL STEREO PREAMPLIFIER

## INSTRUCTIONS FOR USE

*Thank you for purchasing the Musical Fidelity Elektra E200 Preamplifier . Used properly and carefully, it should give you many years of outstanding musical reproduction.*

*The E200 is the result of many years painstaking research and development. The E200 is designed for ultra-high definition performance and is equipped with full remote control facilities.*

*Aesthetically, the E200 is a perfect match for the Elektra E300 power amplifier, E500 tuner and the E600 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

**E200**

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# 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

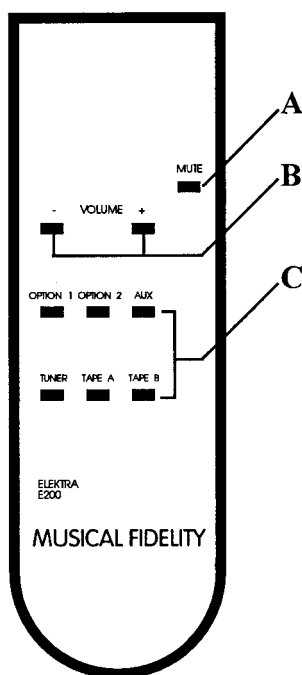
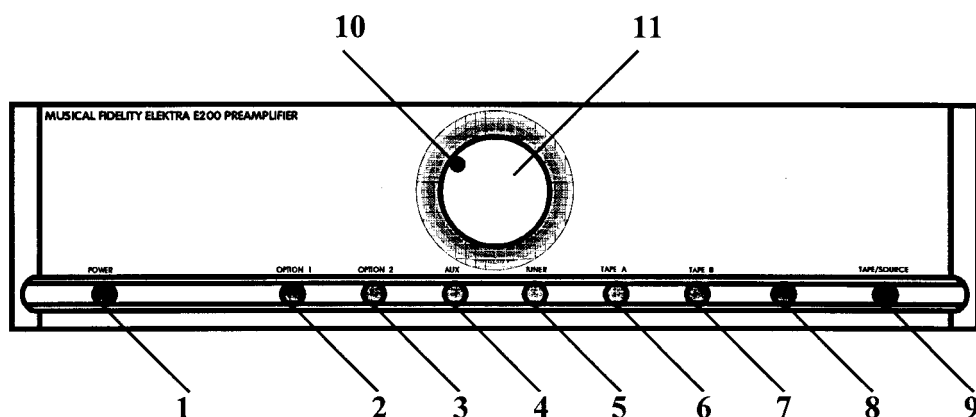
## WARNING - THIS APPLIANCE MUST BE EARTHED

**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.



# CONNECTIONS AND FACILITIES



## REMOTE CONTROL

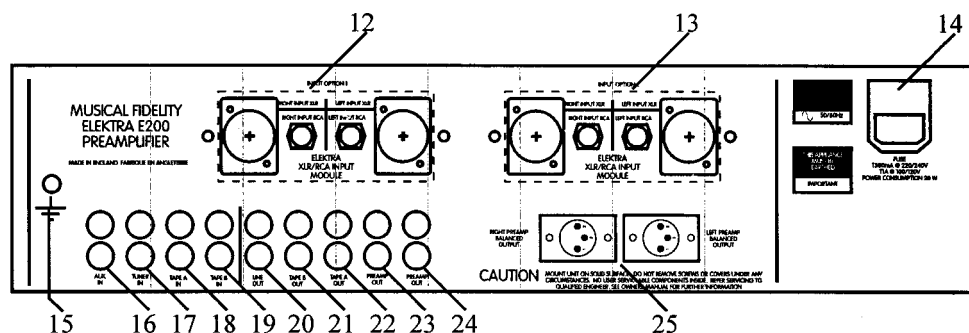
- A Mute button
- B Volume control
- C Input selectors

## FRONT PANEL

- 1 Power on/off switch
- 2 Option 1 Input
- 3 Option 2 Input
- 4 Aux Input Select
- 5 Tuner Input Select
- 6 Tape A Input Select
- 7 Tape B Input Select
- 8 Remote Receiver
- 9 Tape/Source Select
- 10 LED to display volume level, changes colour to indicate mute
- 11 Volume Control

## BACK PANEL

- 12 Option 1 Input
- 13 Option 2 Input
- 14 AC Mains Input
- 15 Earth Connection
- 16 Aux Input
- 17 Tuner Input
- 18 Tape A Input
- 19 Tape B Input
- 20 Line Out
- 21 Tape B Out
- 22 Tape A Out
- 23 Preamp Out
- 24 Preamp Out
- 25 Balanced XLR Pre Out





## INSTALLATION PRECAUTIONS

Your new E200 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.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> <b>Heed all warnings on the back of the unit.</b>   | <input checked="" type="checkbox"/> <b>Do not use near water.</b>   |
| <input checked="" type="checkbox"/> <b>Place your Elektra E200 where there is adequate ventilation.</b>   | <input checked="" type="checkbox"/> <b>Do not place the amplifier near direct heat sources such as radiators or other equipment that produces heat.</b>   |
| <input checked="" type="checkbox"/> <b>Only connect the unit to a power supply of the type marked on the back of the unit.</b>  | <input checked="" type="checkbox"/> <b>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.</b> |
| <input checked="" type="checkbox"/> <b>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.</b>       | <input checked="" type="checkbox"/> <b>There are fuses in the E200. In the unlikely event that one blows, take your E200 to your audio dealer. Do NOT try to replace the fuse yourself or you will invalidate the warranty.</b>   |
| <input checked="" type="checkbox"/> <b>Fit 2 x "AAA" size batteries into the remote control. These must be alkaline types. Please observe the correct polarity of + and - when fitting.</b> |   |

## BEFORE YOU SWITCH ON

You should make all connections to the E200 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 E200.
- 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.



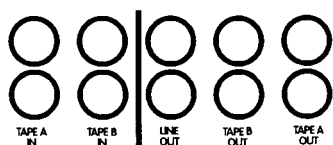
## CONNECTIONS

All connections should be made with the power OFF.

The E200 has inputs for Auxiliary, tuner and two tape decks. It also has two inputs marked Option 1 and Option 2. As standard, the E200 is supplied with these fitted with line inputs, with both RCA phono sockets and XLR sockets. Each input is clearly labelled on the back panel. The Option 1 and 2 inputs can be changed by your dealer to either MC/MM phono cartridge input or DAC (Digital to analogue) input. These are extra cost options. Please see your dealer for further details.

## TAPE CONNECTIONS

Note that the E200 has connections for two tape decks.

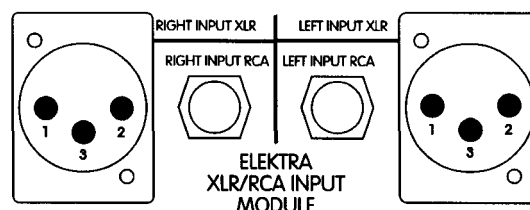


You could therefore have two tape decks connected at the same time. The first would be connected to the TAPE A in and out sockets. The second would be connected to the TAPE B sockets. Selecting playback of the first tape deck can be done by selecting TAPE A on the front panel or remote control, or by pressing the TAPE/SOURCE button on the front panel. If you have a three-head tape deck, this should be treated as TAPE A, which will allow you to off-tape monitor by using the TAPE/SOURCE button. Recording from any source is simply a matter of selecting that source on the front panel or the remote control, and then switching the tape deck to record. This is also true for recording from one deck to another. Please note that the TAPE/SOURCE selector is not remote selectable. The TAPE A position should be used if you are connecting an external processor, such as a surround sound decoder. The pair of sockets marked LINE OUT effectively duplicate the TAPE OUT sockets. This may come

in handy if you need an extra line out feed, for instance, for recording onto a VCR, PC or another device which is not part of your normal system.

## LINE INPUTS

All inputs on the E200 in its standard form are at the same level. The tuner, aux and option 1 and 2 inputs are all interchangeable, and any source with an output level in the hundreds of millivolts can be used into these sockets. This would include CD players, tuners, tape decks for playback, and the audio output from VCRs, TVs or PCs. Note that Options 1 and 2 have two different kinds of socket. The normal RCA type socket can be used with most items, and the other socket type, the XLR, can be used with Musical Fidelity units such as the E500 tuner and E600 CD player.



This would be the preferred method of connection. The XLR connection is electrically superior to the RCA type.

Please note that to use the E200 with a turntable, you will need to purchase the optional Phono Stage module, which will replace one of the XLR/RCA modules. Please contact your dealer for details.

## PREAMP OUTPUTS

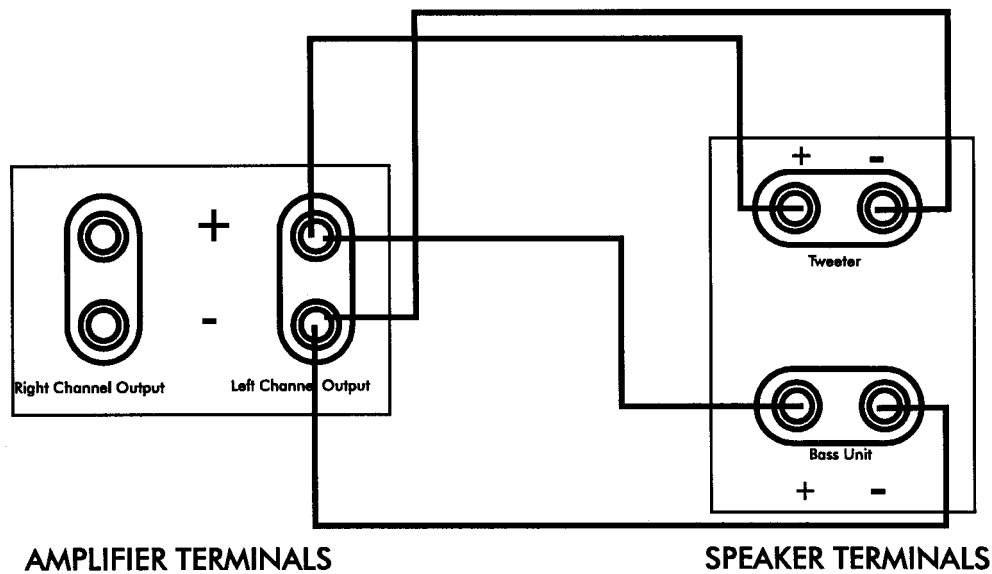
In order to be used with loudspeakers, the E200 must be connected to a power amplifier, such as the Musical Fidelity Elektra E300. There are three pairs of sockets which can be used to output the signal from the preamp to a power amp. Two of these are normal RCA type sockets, and the other uses balanced XLR sockets. When the latter is used with a power amplifier with balanced XLR inputs, benefits in terms of noise and dynamic range should



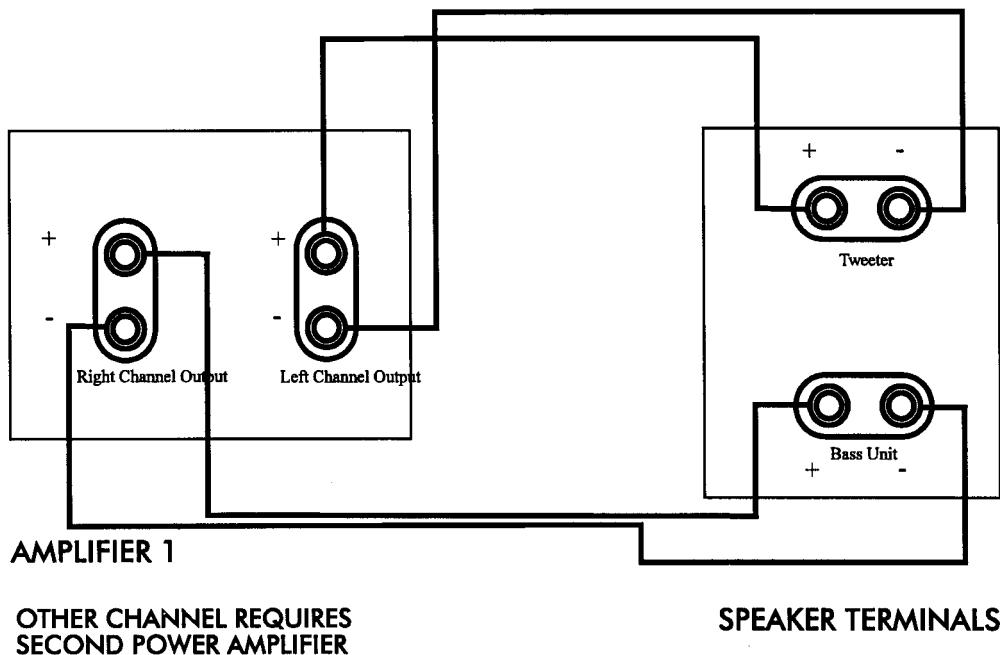
be apparent. Should you wish to use the preamp with two power amplifiers, in order to bi-amp your speakers, use the two sets of RCA outputs. Strictly speaking, this would be called passive bi-amping. It is a significant improvement on bi-wiring. The difference in wiring is shown in the diagrams below.

(*Passive Bi-amping* is so-called because the crossover functions are handled by the passive network built into the speakers. *Active* bi-amping would require the use of an electronic crossover, placed between the pre and power amplifiers, and the removal of the speaker's own network. This is so difficult to get working correctly that it may drive you to watch TV instead.)

## Bi-Wiring



## Passive Bi-Amping





## OPERATION

All functions of the E200, with the exception of the TAPE/SOURCE SELECT and power on and off, can be controlled via the supplied remote control.

To select any input, simply press the appropriate button on the remote control. The volume control is motorised, so that when you press UP or 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 LED will change colour to amber, indicating the muted state. It is advisable to acquire the habit of turning down the volume to zero before switch off.

If you are using a three head tape deck, as previously mentioned, this should be connected to the TAPE A sockets. This will then allow you to use the TAPE/SOURCE SELECTOR to monitor the sound off-tape as you are recording. This can be useful to check the quality of the recording before it has been finished. Make sure that you do not have TAPE A selected at the same time as TAPE on this selector, whilst you are recording. This could lead to feedback, and will not give the recording result you require.

## HEADPHONES

The E200 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 E200 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:

<i><b>Problem</b></i>	<i><b>Probable Cause</b></i>	<i><b>Remedy</b></i>
<b>No power when POWER is pressed</b>	Mains plug not inserted correctly	<i>Plug in securely</i>
<b>Hum when listening to turntable (Only if Phono Stage module is fitted)</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	<i>Turn up the volume</i>
	Headphones are connected, muting the main output	<i>Unplug headphones</i>
	"Mute" pressed on remote control (LED turns amber)	<i>Press "mute" again</i>
	Tape/Source Selector set to Tape	<i>Press Tape/Source selector button</i>
	Power amplifier is not connected	<i>Check cables and power amplifier</i>
	Speakers are not connected	<i>Check speaker cables</i>
	Wrong input is selected	<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	<i>Set switch to on</i>
	Batteries not inserted in remote control unit	<i>Insert batteries</i>

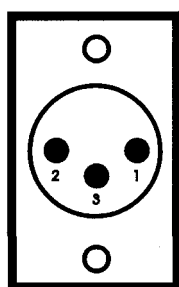
If none of these actions effect a cure, please contact your dealer, or an authorised Musical Fidelity service agent. Remember, never open the case of the E200 yourself, as this will invalidate the guarantee.



# SPECIFICATIONS

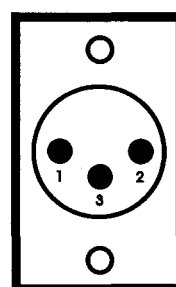
## ELEKTRA E200 REMOTE CONTROL PREAMPLIFIER

Output (Unbalanced)	0.775V, $<50\Omega$
THD	$< 0.01\%$
Frequency Response	20Hz - 20kHz $\pm 1$ dB
Inputs.	4 Line, 2 Tape.
Input sensitivity Line	250mV/47 k $\Omega$
S/N Ratio Line	$>85$ dB
Tape output	Dependent on input
Power consumption	20 Watts
Power requirements	100/120/220/240V AC 50/60Hz (Factory Preset for country)
Dimensions	
W x H x D	440 x 119 x 351mm Height includes feet.
Weight:	11 kgs.
Standard Accessories	Remote Control Unit Battery 2 x (SUM-4, "AAA", "R03")
OPTIONAL Accessories	
Phono Stage	MM 3mV, 47k $\Omega$ /68k $\Omega$ MC 500 $\mu$ V, 10/100 $\Omega$
DAC Stage	Co-ax 75 $\Omega$ , 0.5V 32, 44.1, 48kHz sampling



**XLR Input  
Pin Connections**

Pin 1 = GROUND  
Pin 2 = + INPUT  
Pin 3 = GROUND



**XLR Output  
Pin Connections**

Pin 1 = GROUND  
Pin 2 = + OUTPUT  
Pin 3 = - OUTPUT

*Improvements may result in specification or feature changes without notice.*

*Photos and illustrations may differ slightly from production models.*