

E50 FM TUNER***INSTRUCTIONS FOR USE***

Thank you for purchasing the Musical Fidelity Elektra E50 FM tuner. Used properly and carefully, it should give you many years of outstanding musical reproduction.

The E50 is the result of many years painstaking research and development. It is designed for ultra-high definition performance.

Aesthetically, the E50 is a perfect match for the Elektra E10 or A2 amplifiers and the E60 or A2 CD players. 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 - Radio Frequency Interference (RFI)

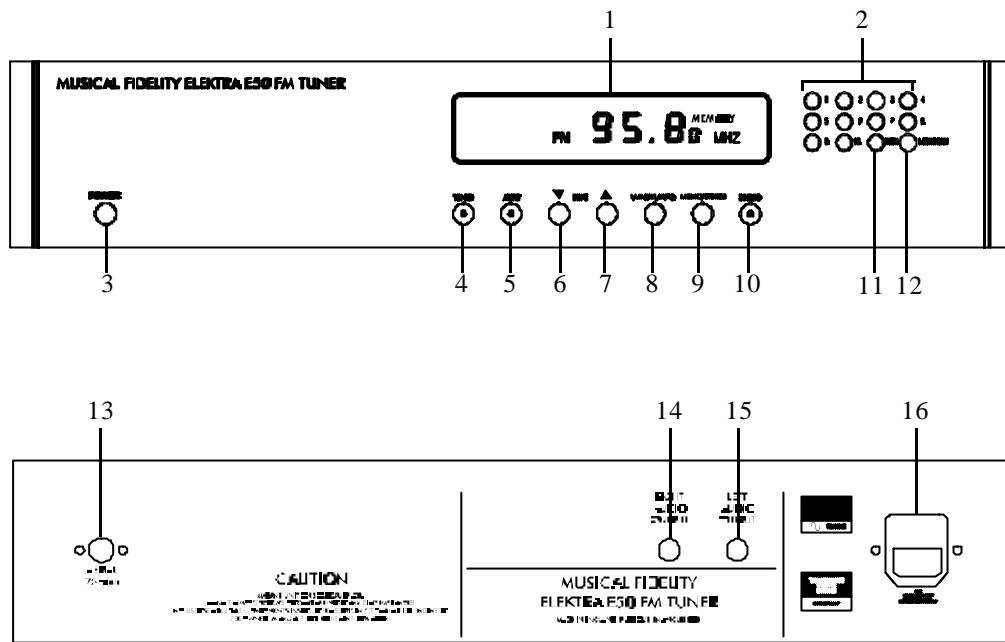
This hi-fi product has been tested to ensure that its operation will not be adversely affected by normal background levels of RFI. It is possible that if this product is subjected to abnormally high levels of RFI the unit may be susceptible and not perform as expected. In the unlikely event of this happening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

FACILITIES AND CONNECTIONS



FRONT PANEL

- 1 LCD Display Panel
- 2 1-10 Push Buttons for Preset Station Recall
- 3 Power On/Off Push Button
- 4 Tuned Indicator Light
- 5 Auto Tuning Indicator Light
- 6 Tune Down Push Button
- 7 Tune Up Push Button
- 8 Auto/Manual Tuning Mode Push Button
- 9 Mono/Stereo Reception Mode Push Button
- 10 Stereo Reception Indicator Light
- 11 Memory Store Push Button
- 12 Preset Memory Scan Push Button

REAR PANEL

- 13 Aerial Connection (75 ohm unbalanced)
- 14 Right Channel Audio Output
- 15 Left Channel Audio Output
- 16 AC Mains Input

INSTALATION PRECAUTIONS

Your new E50 is designed and built to provide trouble-free performance but it is sensible to observe a few precautions. Please ensure that you have complied with them before you connect any AC power to your system. Retain this guide for future reference.

- ☑ **Heed all warnings on the back of the unit.**
- ☑ **Place your Elektra E50 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 tuner 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.**

To comply with North American regulations this equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

WARNING - ANY MODIFICATIONS OR CHANGES TO THIS UNIT NOT EXPRESSELY APPROVED BY MUSICAL FIDELITY WHO ARE THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THIS EQUIPMENT.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. As it cannot be guaranteed that interference will not occur in a particular installation the user is encouraged to try to correct any interference experienced, for instance to radio or TV broadcasts, by one or more of the following measures.

- Identify the source of interference, turn off each unit, check whether the interference dissapears.
- Reorientate or relocate the recieving aerial.
- Increase the separation between the affected units.
- Connect the units into mains outlet on different circuits.
- Consult a dealer or experienced TV/radio technician for help.

BEFORE YOU SWITCH ON

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

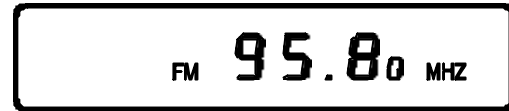
- 1 Check all the connections to the E50 and your audio system.
- 2 Then check again.
- 3 Turn the volume control of your amplifier to zero (Fully anti-clockwise).
- 4 Select "**Tuner**" input via your amplifier.
- 5 Now you can switch on the power, tune your E50 tuner to the required broadcast and carefully advance the volume control of your amplifier to the level you desire.
- 6 Enjoy the music.

AERIAL CONSIDERATIONS

Before you will be able to extract the maximum performance from any tuner, it will be necessary to install a good aerial system. This does not inevitably mean an expensive aerial, as the type needed by most households in order to receive the stations within a given service area can be quite simple. However, do not expect to receive a good signal with minimum background noise if you are only using a T-shaped ribbon. The best advice we can give you is to contact a local approved contractor, who should be familiar with the reception conditions in your area.

FLUORESCENT DISPLAY

The display panel, in conjunction with the LED lights below, gives information about the station tuned. For example, the display below indicates the station frequency, that it is correctly tuned in, that it is being received in stereo, and that the tuner is in auto tuning mode.



OPERATION

POWER BUTTON

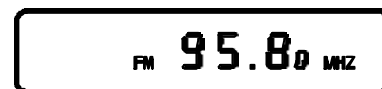


Press this button to turn the power ON. Press again to turn the power OFF.

Note: Whenever the power is turned ON, the station you were listening to last will be received automatically, while the frequency of the station appears in the display.

MANUAL/AUTO BUTTON

Press this button once and the indicator marked "AUTO" will light up. This indicates "AUTO" mode.



This light shows status. Press this button.

In this mode, press either the "TUNE UP ▲" or "TUNE DOWN ▼" buttons; the E50 will tune either up or

down and will stop automatically when a station is detected.

Press "TUNE UP ▲" or "TUNE DOWN ▼" to search for the next station.

Press the **MANUAL/AUTO** button again, the indicator above it will turn off, indicating **MANUAL MODE**.

In this mode the E50 can be tuned manually by using the "TUNE UP ▲" or "TUNE DOWN ▼" buttons to alter the displayed frequency in single steps.

TUNE UP ▲/TUNE DOWN ▼ BUTTONS



These buttons are used to tune stations in the Auto and Manual tuning modes. Pressing up will tune from the bottom of the range, around the 89MHz. frequency, up to the top of the band, around 108MHz.

TUNED INDICATORS



This indicator, which is located on the left of the row of buttons beneath the display panel, will light when the E50 is correctly tuned to a station.

MONO/STEREO BUTTON



When receiving a stereo station the indicator to the right of this button will light, denoting stereo operation.

If mono operation is required, then press this button once. The indicator will turn off, your E50 is now in **MONO** mode.

To return to **STEREO** mode, press the button once more. The indicator above it will turn on, your E50 is now in

STEREO mode.

Note: Mono operation should be selected in areas of weak signal strength to reduce background noise.

MEMORY BUTTON



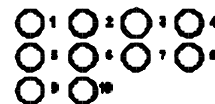
To enter a station in the preset memory please proceed as follows:-

1 Tune to the station required.

2 Press memory button once. The **MEMORY** indicator within the frequency display will light for approximately 5 seconds.

3 While the indicator is lit, press one of the station memory buttons. The indicator will turn off and the station will now be stored in the preset memory corresponding to the button pressed. The number of the preset button pressed will be displayed in the frequency display e.g. button 5 will be indicated as CH5.

RANDOM PRESET MEMORY BUTTONS



These 10 buttons are used to program broadcast stations into the memory and recall them. To recall preset channels 1-10, press the required button momentarily; to recall preset channels from 11-20, press for 1 second or longer.

MEMORY SCAN BUTTON



When the button is pressed, the preset stations stored in the memory will be scanned in sequence at 5 second intervals. When this button is pressed again, the scanning will stop at the current station.

TROUBLESHOOTING

Basic troubleshooting of a tuner 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:

Problem	Probable Cause	Remedy
No power when POWER is pressed	Mains plug not inserted correctly	<i>Plug in securely</i>
No sound	Volume control is set to minimum Station is not correctly tuned Tape/Source Selector set to Tape on amplifier Speakers are not connected to amplifier Wrong input is selected on amplifier	<i>Turn up the volume</i> <i>Ensure that station is tuned correctly</i> <i>Press Tape/Source selector button</i> <i>Check speaker cables</i> <i>Check input selection</i>
Sound is very noisy	Tuner is not tuned to local station Aerial is not capable enough for your area	<i>Ensure that the frequency is correct for your area</i> <i>Install better aerial, or switch to mono</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 E50 yourself, as this will invalidate the guarantee.

Tuning range	87.50 mHz - 108.00 mHz 50 kHz steps
Usable sensitivity	mono - 13.5 dBf
50dB quieting sensitivity	mono - 19.9 dBf stereo - 42 dBf
Alternate channel selectivity	55dB \pm 400 kHz
Image rejection	60dB approx.
IF frequency	10.7 mHz
IF rejection	80dB
Antenna impedance	75 W
THD	0.5% @ 75 kHz deviation
Stereo separation	>45dB
S/N ratio	mono - 78dB stereo - 70dB
Output	1.4 Volts/1K output impedance
Power consumption	10 watts
Power requirements	100/115/230 Volts AC 50/60Hz
Dimensions	Factory preset Width 440mm Height 95mm (includes feet) Depth 340mm



Improvements may result in specification or feature changes without notice.

Photos and illustrations may differ slightly from production models.