

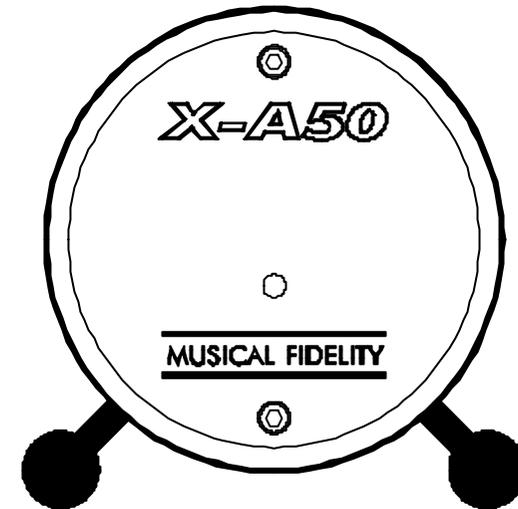
# SPECIFICATIONS

## *X-A50*

Output power	50 Watts RMS into 8Ω 100 Watts RMS into 4Ω
THD	< 0.04% 20Hz-20kHz unweighted < 0.01% 20Hz-20kHz 'A' weighted < 0.008% 20Hz-20kHz @ 1W unweighted
Frequency response	± 0.2dB 20Hz-20kHz
S/N ratio	greater than 102dB unweighted greater than 114dB 'A' weighted
Power consumption	120W
Power requirements	100/115/230V 50/60Hz AC (factory preset for country)
Dimensions (mm)	110 x 110 x 330 approx. (W x H x D) width and height include feet, depth includes terminals

## *X-A50*

### *INSTRUCTIONS FOR USE*



**MUSICAL FIDELITY**



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

## Introduction

Thank you for purchasing the X-A50, 50 watt monobloc power amplifier.

We sincerely hope that it will bring you many years of listening pleasure.

## Installation Precautions

Your new X-A50 is designed and built to provide trouble-free performance, as with all electronic devices it is however necessary to observe a few precautions. Please ensure that you have complied with these before you connect the power to your X-A50. Retain this guide for future reference.

- **Do not use the X-A50 near water.**
- **Keep the X-A50 away from heat sources such as radiators.**
- **Place all connecting cables where they are not likely to be walked on or trapped by items placed on them.**

This Hi-Fi product has been tested to ensure that its operation will not be adversely affected by normal background levels of R.F.I. (Radio Frequency Interference). It is possible that if the unit is subjected to abnormally high levels of R.F.I. the unit may not perform as expected. In the unlikely event of this happening please contact Musical Fidelity's service department.

Do not remove any covers, the X-A50 will not be covered under warranty if it has been tampered with. There are no adjustments within. Please refer all service work to an authorised Musical Fidelity agent.

## Connections

All connections should be made before the mains lead is plugged in and the unit switched on.

The X-A50 is a mono power amplifier, two are required for stereo operation, further units can be used if required for multi channel surround sound systems or for bi-amping etc.

The X-A50 can be used with a preamplifier or any line level source which has a volume control. We highly recommend the matching X-PRE Class A Tube Preamp as an excellent choice.

Connect your pre-amp or other line level source to the phono input on the back panel marked "Line Input". For the best results we recommend that you use Musical Fidelity X-LINX "no-nonsense" interconnect cables for this connection.

Connect your loudspeaker to the loudspeaker terminals situated on the back panel marked "Loudspeaker Output"

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

### Bi-Amping

The X-A50 has a "Loop Out" facility to allow for easy bi-amping of speakers with bi-wireable crossovers. In this kind of set-up typically one X-A50 is used to drive the tweeter (high frequencies) and one to drive the woofer (low frequencies) of each loudspeaker enclosure. Thus in this example four X-A50s would be required for a stereo pair.

Taking the left channel connections first, the pre-amp's (or other source's) left output is first connected to the first X-A50's line input and then that X-A50's loop output is connected to the second X-A50's line input, both X-A50s will now be driven from the same left channel signal. The first X-A50 can now be used to drive the woofer and the second, the tweeter of the left channel loudspeaker.

Repeat this process for the right channel.

If you are in any doubt about bi-amping, please contact your dealer who will be able to help and advise you.