

User Guide



FetHead Filter

High-end microphone pre-amplifier.



General description

FetHead Filter is a Fethead version with a built-in 6dB/octave high pass filter with a corner frequency of 220Hz. It is specially designed for microphones which exhibit an excessive proximity effect / low frequency response, like long motor ribbon microphones. The components which make up the filter are not directly in the signal path but are applied to the components which set the gain of FetHead Filters amplifier, thus making it frequency dependant. This way the sonic character which makes a normal FetHead attractive to the ear is preserved.

FetHead Filter can be distinguished by a green dot below the TritonAudio label.

Low noise

Fethead uses low noise jfets configured as a double class a amplifier. Jfet's are among the most quiet amplifying elements available today. The calculated noise figure of the FetHead based on the jfet's datasheet is lower than we are able to measure. In the real world the noise injected by a FetHead depends on the noise generated by the phantom power supply, if the power supply is quiet, FetHead is quiet.



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Circuit topology

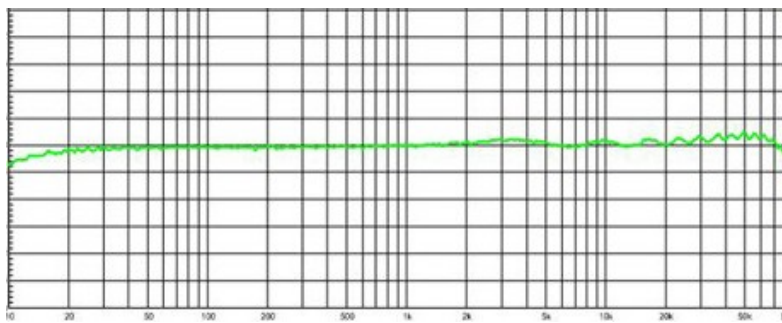
FetHead utilises a low noise jFet amplifier circuit which reveals every detail with pinpoint accuracy and offers high-end sound quality.

Features

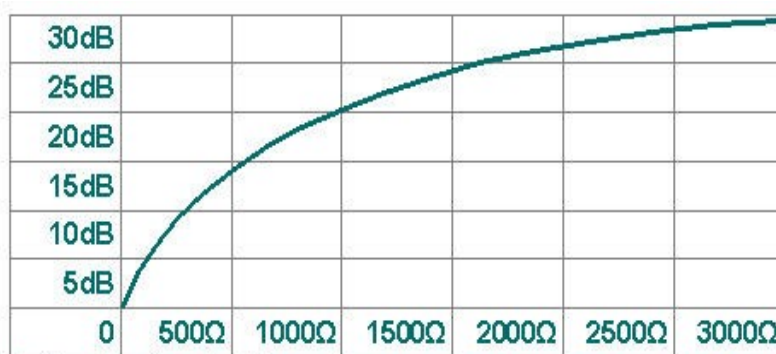
- Low noise Class A JFet amplifier
- 20db amplification (@ 1000 ohm load)
- double single ended amplifier topology
- Balanced xlr input/output
- Lots of headroom
- 6dB octave high pass filter (corner frequency: 220 Hz)
- 18-48 v phantom power

Frequency response

- 10hz-100khz(+/-1db)



Gain



FetHead: gain vs. load impedance

Dimensions

height: 3,5"/82,5mm

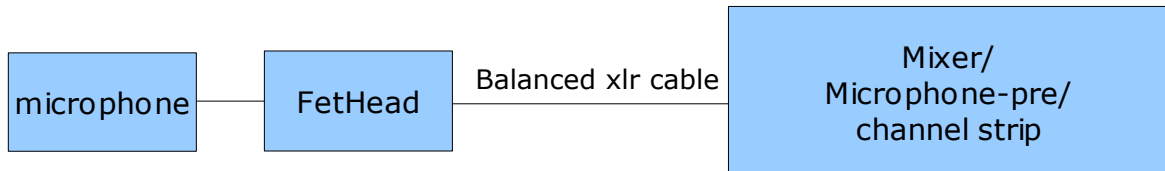
width: 0,95"/23mm

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Operation

Attach FetHead on to a balanced microphone cable and plug it in a dynamic microphone, switch on phantom power and enjoy FetHeads Natural open sound!



Website

For information on new products, product warranty or technical information please visit www.tritonaudio.com