

User Guide



FetHead Phantom High-end microphone pre-amplifier.



General description

FetHead Phantom is a FetHead version which allows phantom power to reach the microphone. It was developed after several requests from different audio engineers to build a FetHead for condenser microphones with low output. We tested FetHead filter on a broad range of condenser microphones and are very happy with the results. It works well with electret microphones like the countryman or an AKG C1000. These are microphones which consume very little power, FetHead Phantom also works with "real" condenser microphones like a U87 or even with an Oktava MK319 which consumes a hefty 8mA!

FetHead Phantom can be distinguished by a Red 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.

Circuit topology

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



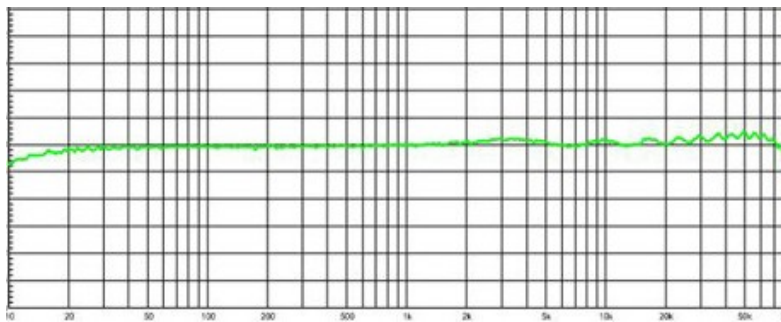
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Features

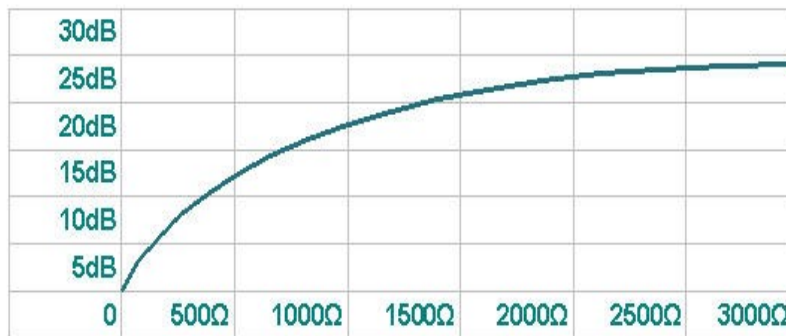
- Low noise Class A JFet amplifier
- 18db amplification (@ 1200 ohm load)
- double single ended amplifier topology
- Balanced xlr input/output
- Lots of headroom
- Z-in 1200 Ohm
- 48 v Phantom Power

Frequency response

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



Gain



FetHead Phantom: Gain vs. Load impedance

Dimensions

height:3,5'/82,5mm

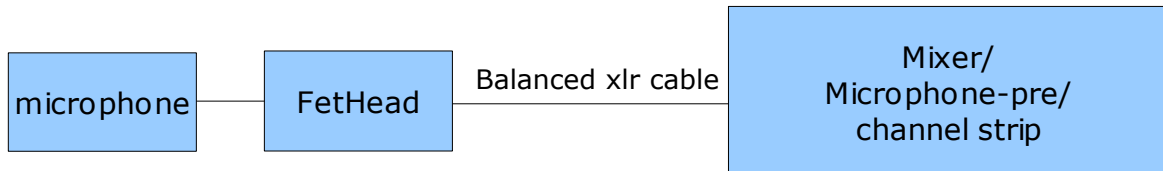
width:0,95'/23mm

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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