



D20

Low noise microphone preamp

USER GUIDE



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D₂O

GENERAL DESCRIPTION

Philosophy D₂O is a low noise, discrete, stereo microphone preamp, It is a further development of the famous German V series preamps of the 40's and 50's, widely recognized as one of the best sounding preamps.

Operation To avoid unwanted noises please consider the following rules of use:

Switch of phantom power before disconnecting the microphone.
Turn down the gain before switching on phantom power.
When connecting D₂O to a channel/device with phantom power, make sure phantom power is turned off on the receiving channel/device.
In case the clipping indicator lights up, use the supplied Airhead attenuator, it plugs in between microphone and preamp.

Layout



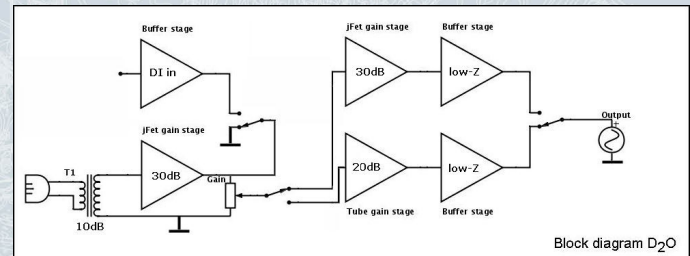
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Features

- Microphone input + DI input
- Switchable transformer ratio / input impedance (Hi-Lo)
- Switchable all jFet / Jfet-Tube signal path
- Stepped attenuator
- Lundahl 1571 microphone input transformer
- Phase reverse switch
- Phantom power
- Overload indicator

Specifications

- Gain: Fet: 70dB / Tube-Fet: 60 dB / DI: 20 - 30dB
- EIN: -127dB
- Headroom: 31 dB
- Input impedance: 2.25KOhm / 6.25KOhm / DI-1MOhm
- Output impedance 100 Ohm
- H/W/D: 44mm, 128mm, 168mm
- PSU: 24VAC external supply



Block diagram D₂O