

g.PAH

**PROGRAMMABLE
ATTENUATOR
HEADPHONEBUFFER**

EXPERIMENTAL AUDIOLOGY



- ◆ 2-channel audio attenuator with stereo headphone buffer
- ◆ 0 to 120 dB attenuation range
- ◆ 1 dB attenuation resolution
- ◆ Linear attenuation from 10 Hz to 150 kHz
- ◆ Amplifier for headphones and insert earphones
- ◆ Separate line-out for external power-amplifier or active speaker
- ◆ Simple, easy to implement computer control through serial RS232 interface or USB to serial adapter
- ◆ Electrically shielded case

PRODUCT INFO

The g.PAH is a programmable 2-channel attenuator with integrated stereo headphone buffer, designed for various applications in hearing research, audiology and related fields. The attenuation range of 120 dB and the step width of 1 dB meet the requirements of most experimental setups in this fields.

The integration of two attenuator channels together with a precision stereo power amplifier in an electrically shielded case eliminates noise from external cabling. The g.PAH can be controlled from any computer with a serial RS232 or USB interface. The simple ASCII-protocol can be easily implemented with all programming languages as e.g. Matlab, Delphi or Visual Basic. A Windows program to control all parameters of the amplifier is provided by the manufacturer.

SPECIFICATIONS

Attenuation range	0 ... 120 dB
Attenuation resolution	1 dB
Attenuation accuracy	0.05 dB
Input signal range	± 5V peak
THD	0.003% (1 kHz)
SNR	112 dB (20 Hz...30 kHz)
Input impedance	200 k Ω
Line out impedance	200 Ω
Headphone impedance (e.g. SENNHEISER HDA 200)	40 Ω
Power Supply	230 V

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