



## Microphone amplifier AP 1 with phantom powering



- discrete transistor amplifier
- one microphone input – two parallel line outputs
- defined and reproducible amplifier adjustment in 3 dB steps, switched by relays for avoiding of switching noise
- stepless gain adjustment in a  $\pm 6$  dB range with arrest at 0 dB
- switchable high-pass filter for impact-sound insulation with adjustable frequency between 18 Hz and 220 Hz
- switchable 48 V phantom powering according to IEC 61938
- phase inverter

The AP 1 is an one-channel microphone amplifier with an extreme low-noise circuit design, a wide dynamic range and very linear transmission properties. With the amplifier the precise transmission of low signal levels is possible as well as the distortion-free transmission of high signal levels. It is ideally suited for the use with condenser microphones in large diaphragm transistor construction which have an extreme low noise level and a very high headroom. Recommended applications are recordings of speech, vocals or acoustical instruments. The intuitive and uncomplicated handling of the amplifier guarantees the user an absolutely concentration on the recording.

## TECHNICAL DATA

Frequency range ( $\pm 0,1$ dB)		20 Hz to 50000 Hz
Noise level	A-weighted	-127,4 dBu
	unweighted	-123,8 dBu
Distortion factor		< 0,01 %
Minimum gain		11 dB
Maximum gain		62 dB
Microphone input		XLR3F
Maximum input level		15 dBu
Input resistance		1,3 kOhm $\pm 10$ %
Input symmetry		> 60 dB
Microphone supply		P48 acc. to IEC 61938, switchable
Line output		2x XLR3M, electronic symmetrical
Maximum output level		28 dBu
Output level indicator	LED indicator	10x LED, 3 dB steps
	Maximum value	adjustable 6 dBu / 28 dBu
Output impedance		< 40 Ohm
Output symmetry		> 60 dB
Highpass filter, switchable		adjustable from 18 Hz to 220 Hz
Phase rotation		Switchable
Power supply		adjustable 230 VAC / 115 VAC – 50 Hz / 60 Hz

## DELIVERY

Microphone amplifier AP 1 with connection cable

Best.-Nr. 600098