

MICAMP48

**MICROPHONE AMPLIFIER
WITH 48V MIC PHANTOM
POWER**

MICAMP-48V is a compact and professional Microphone Amplifier with 48 V phantom power supply and balanced input and output.



MICAMP-48V is a very compact unit, housed in an all aluminum metal case.

The case is suitable for wall mounting or may be used standing on the backside or bottom side.

Input is a 3-pole XLR socket with fixed 48 V phantom supply.

Output is a 3-pole XLR plug with a balanced line level signal.

Power supply may be any DC source between 6 and 24 V. Phantom voltage will always be approx. twice the supply voltage. An internal 24 KHz oscillator generates the phantom voltage.

Gain is adjustable within 26 to 66 dB.

MICAMP-48V is built to the highest standard regarding performance and EMC (electromagnetic compatibility). Most components are surface mounted and the p.c.b. has dual, integrated ground planes.

The output is short-circuit proof. Power supply input is diode protected for false polarity. 32 - 2000 ohms impedance.

- low-noise mic amplifier
- Variable gain
- XLR in / out
- Heavy-duty metal case
- Compact size
- 48V phantom power
- 24 V DC supply

Design, test & production
made in Sweden by

MARENIUS
ELEKTRONIKUTVECKLING AB
www.marenius.se

Connections

Input socket

1 ground
2 signal +
3 signal -

Output plug

1 ground
2 signal +
3 signal -

DC supply 24 V DC

center pin negative

TECHNICAL DATA

| | |
|------------------------------|------------------------|
| Input impedance | 2 K ohm |
| Input level for 0 dBu out | -26 ... -66 dBu |
| Maximum input level | 0 dBu |
| Maximum output level | +26 dBu |
| Equiv. input ref. noise typ. | -120 dB |
| THD + noise | <0,1 % |
| Frequency response | 20 - 30.000 Hz (-1 dB) |
| Supply voltage | 24 V DC @ 0,1 A |
| through mains adapter for | 230 V |
| Size W x H x D | 127 x 44 x 65 mm |
| Weight approx. | 0,5 kg |

CE conformity

This unit does conform to
the european EMC directive

User Instructions

1. Attach the PSU to the DC socket.
2. Connect the microphone to the XLR input socket.
3. Connect the line output cable to the XLR output socket.
4. Adjust the gain with the level control knob.
5. NOTE: **Do not short-circuit the signal pins 2 or 3 to GROUND pin 1.**
6. MICAMP48 can be fixed to a wall by a couple of suitable screws.
7. Note that the case is connected to signal GROUND.