

MicComm

a professional VoiceOver Amplifier

MicComm is a professional VoiceOver Amplifier with balanced input and output for line level audio.

This signal is mixed with audio from a low noise microphone amplifier, with XLR input and 48V phantom power, while reducing the line audio signal by 15-18 dB.



Pressing the TALK key will insert the microphone signal into the output signal, without any “clicks” or noise. The front panel LED will go from red to orange will the key is pressed.

Microphone gain can be adjusted within 30 ... 60 dB.

48 V phantom power is available, enabled by an internal jumper (factory default).

24 V DC power supply can be any polarity. Mains adapter is included.

MicComm is housed in an aluminium case with extruded profiles and specially designed plastic inserts.

- Professional quality
- All balanced sockets
- Noiseless mic switching
- Compact design
- Laser engraved panels
- Any polarity 24V DC supply
- 48V phantom power



Design, test & production
made in Sweden by

MARENIUS
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Technical data

MicComm3

Input impedance	Line 22 K Ω Mic 1 K Ω
Max. output signal	+15 dBu (bal) @ 600 Ω
Output impedance	2 x 100 Ω
Gain	Line 0 dB +/- 2 dB Mic 30 - 60 dB
Gain reduction	15 - 18 dB
THD	<0,01% @ 1 KHz, +15 dBu
Equiv. mic input noise	typ. -130 dBu, A-weighted
Sockets	XLR3 (bal. mic input) 1/4" 3-pole (line inputs/outputs)
Frequency range	Line 10 Hz ... 40 kHz +0/-1 dB Mic 20 Hz ... 20 kHz +0/-3 dB
Power supply	100 mA @ 24 VDC
48 V phantom power	Yes
Size W x H x D	108 x 34 x 155 mm (sockets excl.)



User Instructions

The XLR socket use the standard pinout:

- Pin 1 GROUND
- Pin 2 signal (+)
- Pin 3 signal (-)

The 1/4" socket use the standard pinout:

- sleeve GROUND
- tip signal (+)
- ring signal (-)



48 V jumper

All inputs and outputs are electronically balanced.

NOTE: For balanced output socket: do not short-circuit the signal pins to GROUND pin.

The power supply socket is a standard 2,1/2.5 mm DC socket.

Power supply may be attached in either polarity.

Included mains adapter has a 24 V DC @ 300 mA output.

Microphone amplifier gain is adjustable by the panel potentiometer within 30 ... 60 dB.

48 V phantom power can be disabled by moving a jumper inside the unit.

The jumper is accessible after the top plate has been lift off.

Remove 4 screws and pull the knob straight upwards, then the panel can be lift off.

Jumper positions are:

- left position 48 V enabled
- right position 48 V disabled