

# Micro AMP 1

## Micro AMP 2 mkII



### Amplifiers for loudspeakers and headphones

Compact, powerful and versatile



#### Combine the sound system of a space with proximity listening

Add sound to a place with simple speakers thanks to the loudspeaker amplifier with comfortable power to play background music or messages in an exhibition space, a hall, a gallery...

The headphone output allows to hear the same signal as on the loudspeaker output, with a separate volume control. For example, it is possible to play the sound through loudspeakers in a room and to listen to the signal in a headset in a control room or in the headphones of a visitor.

The Micro AMPs deliver uncompromising audio quality across the entire bandwidth. The bass is powerful and the treble accurate.

#### Sensor-controlled volume and acoustic correction

The Micro AMP 1 model also offers an input contact or an RS-232 control to modify the volume according to an event. Example: in a room without visitors, music is played at a low level to attract attention. Thanks to a presence sensor such as the IRPad, when detecting a presence, the sound increases or decreases to a preselected level, then returns to its previous level when the presence is no longer detected.

The Micro AMP 1 also offers audio processing with a bass/mid/treble corrector, trigger time management, fade time between 2 volume levels and input gain control.

#### USE CASES:

- In **museums**, integrate loudspeakers and headphones for animation or showcasing.
- **Audio POS, terminals...**
- Create **zones with automatic volume management**.
- Adjust the sound according to your environment with the integrated audio processing (**Micro AMP 1**).

**3**  
years  
warranty

made  
in  
France

	Micro AMP 1	Micro AMP 2 mkII
Volume control by sensor	Yes	-
Audio processing (EQ)	Yes	-
RS-232 control	Yes	-

## Interfacing and connectivity

- Status LEDs
- 2 volume knobs (one for each output)
- Headphone stereo audio output on standard 3.5 mm (TRS) jack
- 0 dBu unbalanced line-level stereo audio input on standard RCA connectors
- Class D amplified speaker stereo audio output on 3.81 mm pluggable terminal blocks
- External DC power supply chassis socket – Plug  $\varnothing$  2.1 mm / 5.5 mm

### Micro AMP 1 only:

- Opto-isolated input contact on a 3.81 mm pluggable terminal block
- 0 dBu unbalanced line-level stereo audio output on standard RCA connectors after audio processing.
- RS-232 serial link on 3.81 mm pluggable terminal block (4800, 9600 or 19200 bauds)

### Volumes settings:

- Volumes 1 and 2 : from -56 dB to 0 dB in 1 dB steps
- Fade duration from a volume to another: from 0 to 9 seconds in 1-second steps
- Persistence duration of the volume after triggering: from 0 to 45 seconds in a 5-second steps

### Digital signal processing:

- Stereo panning: from -72 dB to 0 dB in 1 dB steps
- Input gain: from 0 dB to +30 dB in 2 dB steps
- Bass/mid/treble equalization: from -14 dB to +14 dB in 2 dB steps

## Audio amplifiers

- **Speaker output:**
  - 2 × 8 W - 8  $\Omega$ , THD+N = 1 %, 1 kHz
  - 2 × 10 W - 8  $\Omega$ , THD+N = 10 %, 1 kHz
  - 2 × 15 W - 4  $\Omega$ , THD+N = 1 %, 1 kHz
  - 2 × 19 W - 4  $\Omega$ , THD+N = 10 %, 1 kHz
- **Headphone output:**
  - 2 × 85 mW - 32  $\Omega$ , THD+N = 0.1 %, 1 kHz
  - 2 × 110 mW - 32  $\Omega$ , THD+N = 10 %, 1 kHz
  - 2 × 200 mW - 8  $\Omega$ , THD+N = 0.1 %, 1 kHz
  - 2 × 325 mW - 8  $\Omega$ , THD+N = 10 %, 1 kHz

## Miscellaneous

- Power supply input: 12V DC
- Protected against polarity reversal.
- Typical current consumption (12 V supplied):
  - For the maximum level of listening: up to 3 A
  - Standby mode - input level set to zero: less than 150 mA
- Operating ambient temperature: from 0 to +60 °C
- Storage temperature: from -20 to +60 °C
- Width: 140 mm - 1/3 of 19" rack
- Height: 43 mm - 1U
- Depth (without/with terminal blocks): 100/107 mm
- Weight: 250 g (with terminal blocks)