About Ears

Our take on Tom Whitwell's Mikrophonie module, Ears is a perfect match for physical synthesis modules like Rings or Elements, but it can also be the gateway between external audio sources and your modular system.

Installation

Ears requires a -12V / +12V power supply (2x5 pin connector).

The ribbon cable connector must be aligned so that the red stripe of the ribbon cable (-12V) is on the same side of the module's power header as the "Red stripe" marking on the board. The module draws **5mA** from both the +12V and the -12V supply rails.

The full manual can be found online at

mutable-instruments.net/modules/ears/manual

For help and discussions, head to mutable-instruments.net/forum



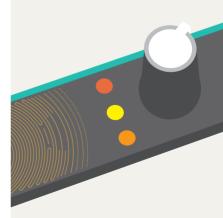
Please refer to the online manual for detailed information regarding compliance with EMC directives





Ears

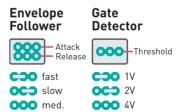
Contact microphone





- A. Gain control, 0 to 40dB (loud! may cause clipping).
- B. Contact microphone.
- **1. Hi-Z Audio input.** Amplifies an external source. Patching a cable here disconnects the contact microphone.
- **2. Audio output.** The red LED indicates clipping.
- **3. Envelope CV output.** The white LED indicates the envelope CV level.
- **4. Gate output.** Emits +8V when the envelope exceeds a threshold. Indicator: orange LED.

The jumpers at the back of the module adjust the response of the envelope follower and gate detector.



The last setting is obtained by removing the jumper.