



SPATIAL MIC

Introducing Spatial Mic — a second-order ambisonics VR microphone capable of single wire connectivity to a computer or mobile device. Designed for creative audio engineers, producers for AR/VR, game sound-designers and 3D audio pioneers, Spatial Mic is a next generation 360 microphone. With it's 8-capsule array, Spatial Mic acheives higher spatial resolution, enhanced polar pattern decoding and optimal listening area vs. 4 capsule microphones.

Discover Your Sound

You are not limited by the recording orientation or polar pattern of traditional microphones when recording with Spatial Mic.

- All-in-one package lets you record right out of the box.
- Capture immersive 3D audio for VR and 360 video that can be head-tracked.
- Decode the output to any format live or in post.
- Record instruments or sound FX and then re-frame the direction of recording.
- Use the output to view hot spots from sound reflections and sources in an acoustic space.
- Capture multiple musicians or sounds and then later aim virtual microphones to adjust each one individually.
- DAW plugin (VST, AU & AAX) and remote control app Included.



The included Spatial Mic Converter plugin transforms the raw audio signals from Spatial Mic to first or second order ambisonics. The plugin offers the capability to change the microphone's aim and decode to microphone patterns & surround formats like 7.1.2.

QUALITY & CONSTRUCTION



Quality Capsules

Eight 14mm condenser capsules are perfectly matched to multi-stage, digitally controlled analog front ends and 110 dB-SNR DACs.



Individual Calibration

Prior to shipping, a unique calibration profile is measured and stored within every Spatial Mic to ensure consistent quality.



16-Core Processor

A dedicated digital circuit board within Spatial Mic features a 16-core processor and high resolution SiLabs clocking scheme.



Precise Conversion

Output filters, selectable within Spatial Mic Converter plugin, have been carefully constructed for precise audio conversion.



Quality Construction

Designed to be light, compact and durable, Spatial Mic features high quality aluminum and nylon construction, combined with a bright LED display, knob and metal headbasket.



Mounting Options

A ¼-20 thread mount allows for hard-mounting and a Rycote Shockmount (sold separately) can provide isolation for this sensitive array.



User Interface

On the front of Spatial Mic, a knob and LEDs provide control over analog mic gain, mute, monitor mix between live and computer playback, and overall level of the headphone output.



Visual Levels

View individual capsule signals or stereo monitor level on the front LED display and remotely control these metering modes (and more) with the Spatial Mic Control app.

SPECIFICATIONS

ELECTRICAL

- 8 Channels Streaming to USB 2.0 Audio Host via USB-C Connector / 2 Channels Streaming Playback
- 8 Channels ADAT Lightpipe Digital Output
- USB Streaming and ADAT may be used independently or concurrently
- Sample Rates USB: 44.1kHz, 48kHz, 88.2kHz and 96kHz
- Sample Rates ADAT: 44.1kHz and 48kHz
- ADC 110dB SNR per channel, DAC 108dB SNR
- Bit Depth: 16/24-bit
- ADC clipping in pad mode: 131dB SPL
- USB bus powered via USB-C or external 5v source via micro-USB
- Headphone output: 130mW into 16 ohms via 3.5mm TRS jack
- Live binaural monitoring using Google Resonance HRTFs (44.1kHz and 48kHz) and live Mid-Side monitoring (88.2kHz and 96kHz)

CAPSULE & ARRAY

- 8 x14mm Prepolarized Condenser Capsules
- SNR: > 72dB-A
- Frequency Response: 20Hz to 20kHz
- Max SPL for THD<3%: 120dB @1kHz

MECHANICAL

- Construction: Aluminum & Nylon
- Spatial Mic Dimensions: Height: 6.75" Diameter: 2.125"
- Weight: 0.54 lbs

WHAT'S IN THE BOX

- Spatial Mic
- USB C to C and USB C to A cable, 3 meter, black nylon braided
- ¼-20 to ⅝" mini swivel ball hard-mount
- Foam windshield
- Quick-start guide
- For Download: Spatial Mic Converter plugin VST, AU and AAX
- For Download: Spatial Mic Control standalone app (macOS & Windows)
- For Download: User Manual

