

BEYOND STEREO: ENTER THE DIMENSION OF AMBISONIC AUDIO

SOYUZ

013 AMBISONIC

FIRST ORDER AMBISONIC MICROPHONE



CAPTURE IT ALL

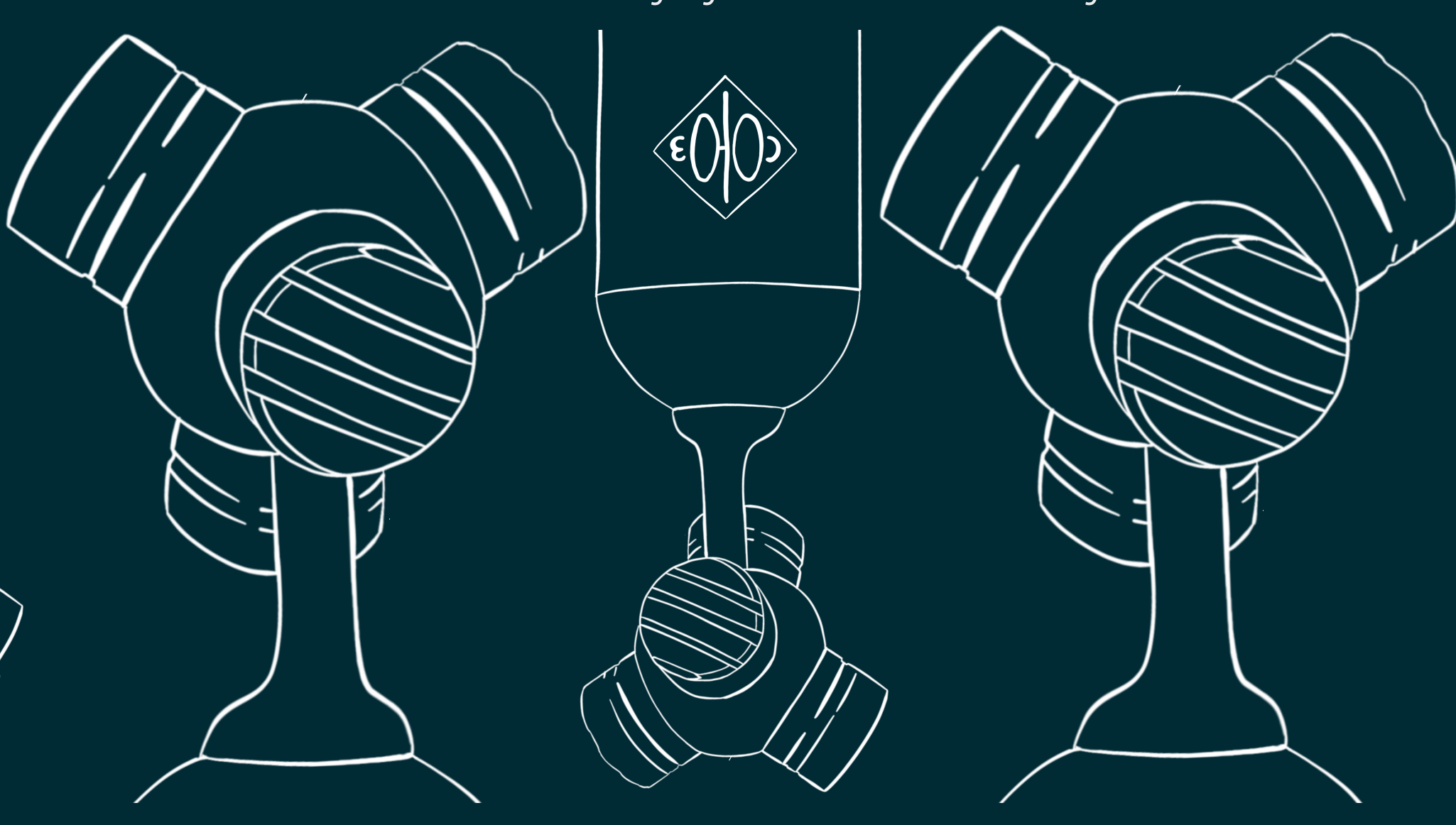
The 013 Ambisonic combines x4 of our 013 FET small diaphragm condensers and x4 custom transformers into a single, phase-coherent mic that records 360° surround sound with unmatched fidelity and character.

The included custom-matched Soyuz ambisonic plugins provide complete control in post-production, allowing you to shape the sound field to your imagination.

The 013 Ambisonic will simplify any setup, captivate any audience and translate across any system - stereo or beyond.



FOUR 013 CAPSULES



LISTEN DEEPLY

No matter your project, the 013 Ambisonic microphone creates dynamic recordings with ease and captures performances unlike any other

Ideal For:

- Stereo mic alternative (More depth & Realism)
- Room mic applications
- One-Mic Recording / Full band & Ensemble Recording
- Live Performances / Ambient Stage Mics
- Sound Design, creative recording
- Film, Gaming, VR, Immersive Recording
- Documentary, field recording

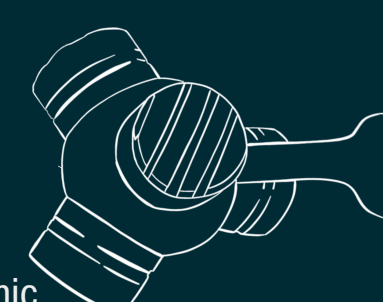
Key Features:

- Records 360 surround sound for playback on any format or system
- x4 Soyuz 013 Series Capsules (24mm)
- x4 Soyuz Toroidal Transformers
- Custom Transcoder & Decoder Plugin Suite Compatible with every DAW
- 100% Handmade



Why Choose The 013 Ambisonic?

- **Immersive Soundscapes & In-Depth Recordings:**
 - Create a fully immersive audio experience, enveloping your audience in sound from every direction no matter what they're listening on.
- **Post-Production & Flexibility in Mixing:**
 - Easy-to-use, included Soyuz plugins allow you shift the sound around "the room" to dial in your optimal sound and placement even after recording
- **Simple Setup. Consistent Results.**
 - A one-mic solution to easily capture three-dimensional audio. 4 independent outputs and 4 phase-coherent capsules make the 013 Ambisonic easy to set up for exciting and repeatable results in every session.
- **Versatile Application:**
 - Perfect for any studio production, music, VR, film, music, and interactive media such as gaming, Ambisonic technology is versatile enough to bring any project to life.
- **Future-Proof and Format-Agnostic:**
 - Ambisonic audio is not bound to any specific playback format, such as Dolby Atmos, making it truly versatile and adaptable for any audio playback system now and in the future.



Who Is The 013 Ambisonic Meant For?

Any artist, engineer, producer, film maker, or creator looking for more space, depth and realism in their sound can benefit from the 013 Ambisonic. The 013 Ambisonic is purposefully meant for a studio environment and is perfect for capturing the atmosphere of any room, environment, instrument, or source with color and character.

The ability to manipulate the sound in post and mixdown to any playback system or speaker setup makes this a flexible tool for almost every application

Some Examples:

- Creative Recording & Dynamic Production: Add more life and three-dimensional feeling to your recordings. A one mic solution or a compliment to close mics
- Live Music: Capture the energy and atmosphere of live performances with stunning realism, including the ambience of the venue.
- VR/AR Audio: Create fully immersive audio experiences for gaming, virtual and augmented reality, transporting listeners directly into the space.
- 3D Filmmaking: Add a new dimension to your films with spatial audio that draws viewers in.
- Room Recording: Capture the natural acoustics and ambience of any space with unparalleled fidelity, preserving the vibe of the recording.

I'm Not Mixing in Atmos and I Don't Care About Spatial Audio. So How will the 013 Ambisonic Benefit me?

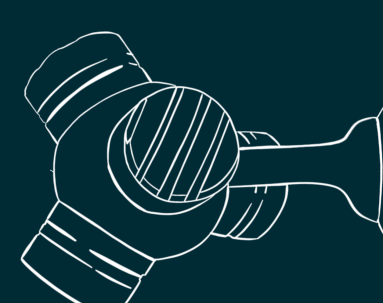
The 013 Ambisonic will work flawlessly in any format you choose. Especially in stereo. Use it to capture entire rooms, performances, and full bands as a one mic solution and broaden your stereo field or supplement your close mics. It's a perfect choice to record complex instruments and enhance sources with additional space like drums, string ensembles, and more.

You can look at it as x4 completely phase-coherent Soyuz 013 FET mics you can manipulate however you like - even *AFTER* recording

Because it captures the entire 360-degree sound field, you have a ton of sonic information to work with and mix to your liking. Use the included plugins to manipulate the directionality of your sound for your desired realism or feeling.

Automate these controls to add exciting dynamics to your productions and make them stand out beyond the traditional recording formats.

Plus, the Ambisonic format is completely future-proof and adaptable. So if you share your work with someone working in quad, surround, atmos, etc it will translate effortlessly



Setup Considerations:

- Connect XLR cables in order:
 - 1-Red
 - 2-Yellow
 - 3-Green
 - 4-Blue
- **Preamps:** Use four identical gain-matched preamps
- **Mic Positioning:** Point indicator dot towards the audio source
- **DAW Configuration:** Set Up DAW for ambisonic recording
- **Plugin Configuration:**
 - Insert Transcoder first
 - Decoder last in DAW plugin chain

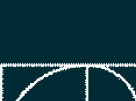


Helpful Resources:

[SOYUZ PLUGIN DAW SETUP TUTORIALS](#)

[013 AMBISONIC MANUAL](#)

[013 AMBISONIC GETTING STARTED PAGE](#)



SPECIFICATIONS

TYPE: FIRST ORDER AMBISONIC CONDENSER

CAPSULES: X4 25MM GOLD SPUTTERED MEMBRANE

FREQUENCY RANGE: 20HZ / 20KHZ

POLAR PATTERN: CARDIOD / FIRST ORDER AMBISONIC

SENSITIVITY: 20 MV/PA

IMPEDANCE: 150 OHMS

SPL: 143 DB PER CHANNEL

EQUIVALENT NOISE: 16 DB (A-WEIGHTED)

POWER: 4 CHANNELS OF 48V PHANTOM REQUIRED

SIZE: 194MM LENGTH X 47MM DIAMETER

WEIGHT: 200G

EXTRAS: WOODEN MICROPHONE BOX, SHOCK MOUNT, BREAK OUT CABLE AUDIO BREWERS
ENCODING/DECODING SOFTWARE DOWNLOAD

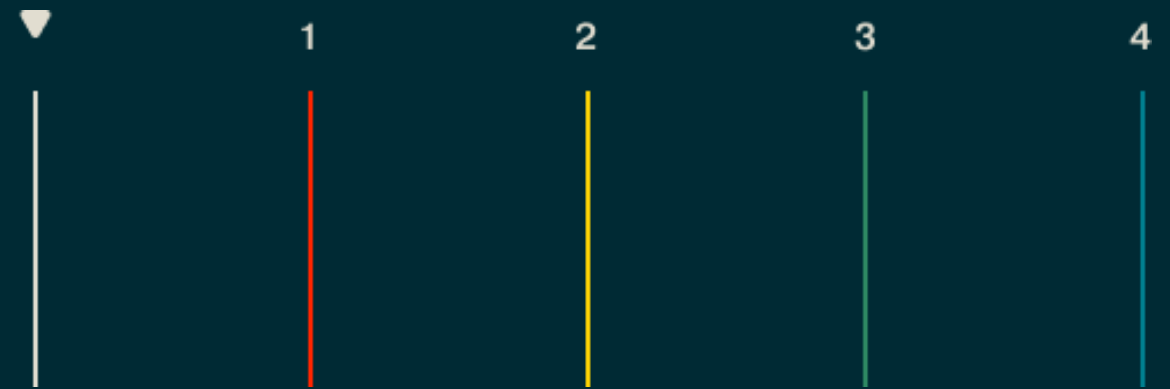
SOYUZ PLUGIN OVERVIEW



SOYUZ TRANSCODER

PUT THIS 1ST IN THE PLUGIN CHAIN

The Soyuz transcoder is matched exactly to the 013 Ambisonic's capsules, specs, and dimensions - instantly converting your signal to ambisonic "B Formats" with the extra ability of monitoring in real-time with zero latency.



SOYUZ TRANSCODER

PUT THIS LAST IN THE PLUGIN CHAIN

The Soyuz Decoder allows you to effortlessly shape your recordings.

The included controls like "rotation" and "dominance" are simple and intuitive tools to shift your sound in every direction, highlight key elements, or explore new perspectives.

The output will be suggested based on your DAW's setup, but select your desired configuration based on the number of speakers you wish to decode to and their placement.

Your sound will automatically be spread out around your system for full immersion in whatever format or playback system you desire

