SPATIAL MIC DANTE

Introducing Spatial Mic Dante — A 360° microphone that captures the entire soundfield with precision - letting you focus on recording immersive audio for VR, surround sound, spatial music, concert recording, live broadcasts and much more. No need for complex multi-microphone & preamp setups - just plug-in and record using built-in Dante audio networking.

8 Capsule Spatial Audio Capture

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

· Dante audio network interface up to 32-bit / 192 kHz
· Capture quiet nature sounds or loud concerts with capsule SNR of up to 78dB-A and 136 dB Max SPL
· Configurable output for surround, ambiX & virtual mics
· Power Over Ethernet (PoE)
· Individually calibrated for balanced array
· Professional quality analog to digital conversion, high resolution Skyworks clocking scheme and built-in 32-bit XMOS Processor.
· DAW plugin (VST3, AU & AAX) and MicNet Control app for remote configuration

High spatial resolution made possible with 8 analog capsules for 2nd Order Ambisonics. Record the raw output and decode in post with the included Spatial Mic Converter Plugin, or natively on a Dante network for surround or virtual mic feeds.

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360⁰ CREATIVITY

MicNet Control App

MicNet Control provides remote control of the analog stage and internal DSP processing of Spatial Mic Dante. Computers on the Dante network running MicNet Control can change the parameters of any microphone on the network.

MicNet Control can change the audio output format which is accomplished in the microphone itself via DSP. Output options include unprocessed (for Spatial Mic Converter Plugin), 1st order ambisonics, surround feeds and virtual mic mono or stereo pairs. These additional options beyond unprocessed audio open up many applications for live performance and broadcast when low latency audio feeds are needed.

Spatial Mic Converter Plugin

The Spatial Mic Converter plugin transforms the raw unprocessed audio signals from Spatial Mic USB & Dante to a number of different formats suitable for any type of audio production. To accomplish this, Spatial Mic Converter uses an internal 64-channel filter matrix and measurements from an anechoic chamber.

Surround Sound   Virtual Mics   Ambisonics

SPECIFICATIONS

ELECTRICAL
· Up to 8 channels streaming over standard IP network
· Output mode streaming over network: Unprocessed (8 channels), 5.1 surround (6 channels), 5.1.2 surround (8 channels), 7.1 surround (8 channels), virtual mic pattern decode (2 channels).
· NE8FBH-C5 locking etherCON compatible, also compatible with standard RJ45 connectors
· Digital performance over Dante network: 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz and 192 kHz (-4% / -0.1% / +0.1% / +4.167%) up to 32-bit
· AES67 mode at 48 kHz / 32-bit
· DSP: 32-bit XMOS with 16 real-time logical cores
· DSP Modes: Unprocessed up to 192 kHz, all other decoding modes up to 48 kHz
· Clock source: internal or from Dante network primary
· ADC: 114-dB per channel at 24-bits
· Power: complies with IEEE 802.3af PoE
· Power consumption: 4.8W max
· Thermal: Operates at up to an ambient temperature of 45 degrees Celsius
· Plugin DSP filter: 64-element frequency dependent output filter matrix
· Individual calibration stored in each mic for balanced array sensitivity

CAPSULE & ARRAY
· 8 x14mm Prepolarized Condenser Capsules
· SNR: 78dB-A at 1 kHz
· Frequency Response: 20Hz to 20kHz
· Max SPL: 136dB @1kHz
· Array: 8 transducers

MECHANICAL
· Construction: Aluminum & Nylon
· Spatial Mic Dante Dimensions: Height: 7.65 in (19.4cm) Diameter: 2.25 in (5.7cm)
· Weight (Mic only): 0.86lbs

Scan For More Information
https://voyage.audio/spatialmic/

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