



The Free Space binaural microphone is the most affordable, high-quality binaural microphone on the market.

Each FS series microphone comes with two prosthetic ears with Primo EM172 microphone capsules embedded inside to capture sound just as we would naturally hear it and enable you to pinpoint the sound location in space.

The Free Space has a very warm and solid response in low to mid-range frequencies bringing out the punch as well as providing low-end support for bass-heavy sounds.

The frequency response of the EM172 capsules rolls off slightly above 10kHz making them excellent for recording instruments with loud high frequencies; e.g. drum cymbals or strummed acoustic guitars. It also prevents any harsh effects sometimes associated with binaural recordings using smaller capsules.

The Free Space delivers portable, professional quality binaural in the palm of your hand.

SeeSense are able to provide full technical assistance and back up for this microphone.

Contact SeeSense for further details and for accessory options.

FREE SPACE BINAURAL MICROPHONE

Specifications:

- True binaural capture from omnidirectional patterned capsules
- Realistic human ear pinnae for life-like attenuation and amplification from all directions
- Low susceptibility to RFI
- 108dB wide dynamic range
- High sensitivity and ultra low noise
- Compact design - ideal for field recording
- Rugged aluminum chassis
- Performs well over a wide range of temperature and humidity conditions
- 3.5mm stereo TRS output jack
- 20cm M2M 3.5mm stereo TRS cable included
- Bass roll-off switch beginning at 160 Hz (applies to 1/8" TRS output only)
- Includes easily exchangeable 9V batteries
- Comes standard with a removable 5/8" microphone stand adaptor
- 1/4"-20 female tripod or hot-shoe adaptor mount

Applications Include:

- Full 360° professional audio
 - Perfect for 360 VR and 180 VR
- Filmmaking for spacial relevance & acoustic immersion
- Video applications with professional audio experience
- Complex audio environments
- Natural history filmmaking, etc



Other 3DIO microphones include:

- Free Space XLR
- Free Space Pro II
- Omni
- Omni Pro

Rev: 1.013.0518 E&OE

Specifications:

Directional Pattern	Omnidirectional
Frequency Range	100 Hz - 10kHz
Sensitivity	-28±3dB at 1kHz (0dB=1V/Pa) RI=3.9KΩ, Vcc=5V
Signal / Noise Ratio	80 dB at 1kHz
Max. SPL, peak before clipping	122 dB SPL (Typ.) at 1kHz Distortion level 3% max
Output Impedance	2.4k Ω ± 30% at 1kHz (RL=3.9k Ω)
Microphone	Matched Primo EM172 hi-sensitivity capsules. 10mm Diameter
Output	3.5mm Stereo jack (mic level output)
Operating Voltage	5V (3V~10V)
Power	9V alkaline battery

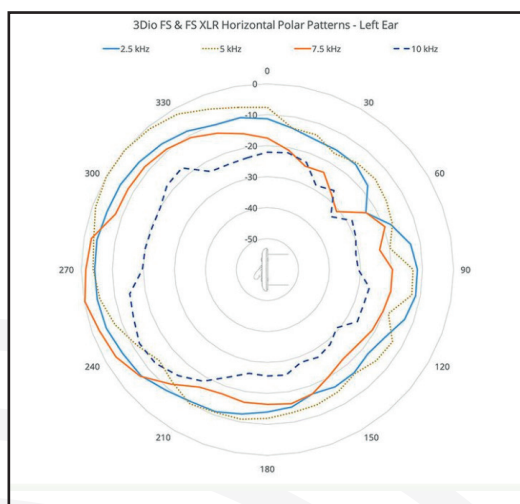
Specifications: Continued

Body Material	Aluminium
Ears	Polyurethane
Mounting	Removeable 5/8" Microphone stand adapter OR 1/4"-20 female thread
Dimensions	190 x 110 x 110mm (WxHxD)
Weight	680 grammes
Working Temp.	0 ~ 50° C

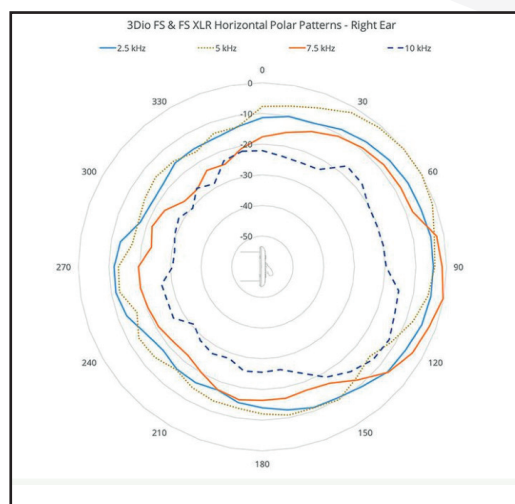
Accessories

- Professional Wind Muffs
- Windy Space Ear Muffs
- Camera and Audio Recorder Hardware Mounting Bracket
- Grip Handle

If you have a specific requirement please contact SeeSense for advice.



Microphone Horizontal
Polar Pattern
LEFT EAR RIGHT EAR



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