



The Free Space PRO II binaural microphone ideally suited for professional studio recording and high-end recording binaural capture.

Each FS PRO II microphone comes with two prosthetic ears with DPA 4060 microphone capsules embeded inside to capture sound just as we would naturally hear it and enable you to pinpoint the sound location in space.

The extremely low noise floor of the DPA 4060 capsules results in a very open and dynamic binaural realism, especially during very delicate recordings such as field recording.

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
- 100dB 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 or 2 x 3-pin XLR with balanced output
- 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 battery plus 2 x XLR connectors for phantom power
- 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
- Free Space XLR
- Omni
- Omni Pro

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Specifications:

Directional Pattern	Omnidirectional
Cartridge Type	Pre-polarized condensor
Frequency Range	20 Hz - 20kHz
Frequency range, ± 2 dB	Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz. High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz
Sensitivity	20 mV/Pa; -34 dB re. 1 V/Pa ± 3 dB at 1 kHz
Signal / Noise Ratio	71 dB (A)
Total Harmonic Distortion (THD)	< 1% THD up to 123 dB SPL peak < 1% THD up to 120 dB SPL RMS sine
Dynamic Range	Typ. 100 dB
Max. SPL, peak before clipping	134 dB SPL (Typ.) at 1kHz Distortion level 3% max
Output Impedance	30-40 Ω
Microphone	Matched DPA 4060 hi-sensitivity capsules. 5.4mm Diameter

Specifications: Continued

Output	3.5mm Stereo jack (mic level output) 2 x 3-Pin XLR, Balanced Outputs
Operating Voltage	Min. 5V - max. 50V. 48V phantom power ± 4 V for full performance
Power	9V alkaline battery 2 x 3-pin XLR inputs for phantom power
Body Material	Aluminium
Ears	Silicon
Mounting	Removable 5/8" Microphone stand adapter OR 1/4" -20 female thread
Dimensions	190 x 110 x 110mm (WxHxD)
Weight	755 grammes
Working Temp.	0 ~ 50° C
Relative Humidity	Up to 90%

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.



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