



4560 CORE Binaural Headset Microphone

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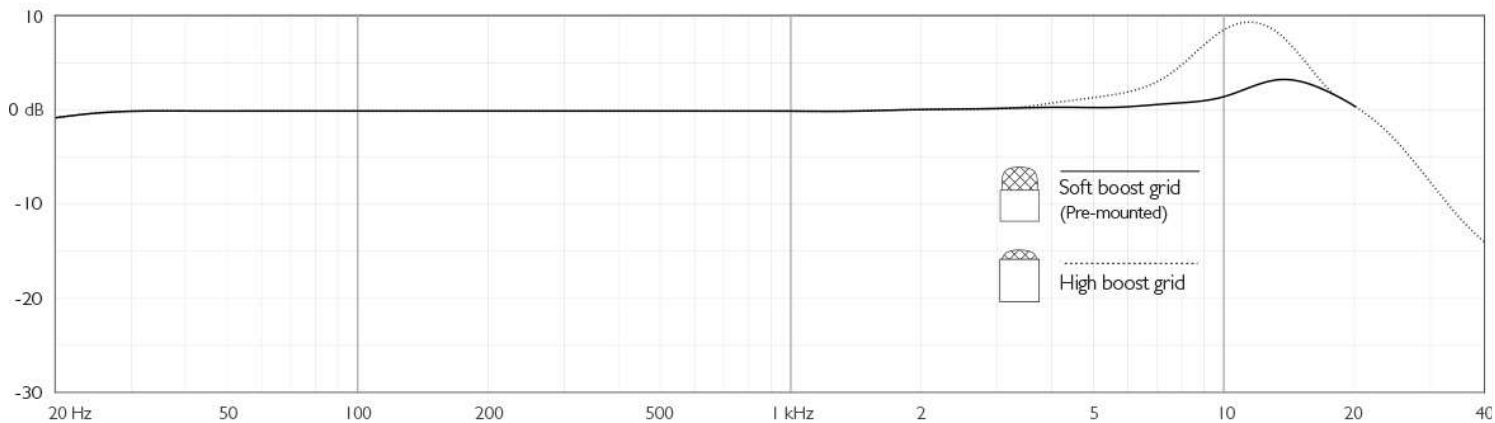
Directional pattern	Omnidirectional
Principle of operation	Pressure
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz

Effective 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, nominal, ± 3 dB at 1 kHz	20 mV/Pa; -34 dB re. 1 V/Pa
Equivalent noise level, A-weighted	Typ. 23 dB(A) re. 20 μ Pa (max. 26 dB(A))
Equivalent noise level, ITU-R BS.468-4	Typ. 35 dB (max. 38 dB)
Distortion, THD < 1% - Legacy	120 dB SPL RMS, 123 dB SPL peak
Distortion, THD < 1% - CORE	126 dB SPL RMS, 129 dB SPL peak
Dynamic range - Legacy	Typ. 100 dB
Dynamic range - CORE	Typ. 106 dB
Max. SPL, THD 10%	134 dB SPL peak
Rated output impedance	30 - 40 Ω
Cable drive capability	Up to 300 m (984 ft) with DAD6001-BC XLR Adapter
Power supply (for full performance)	For wireless systems: Min. 5 V - max. 10 V through DPA adapter With DAD6001-BC: P48 (Phantom Power). Will work from 12 V
Current consumption	Typ. 1.5 mA (microphone). 3.5 mA with DAD6001-BC XLR Adapter
Connector	MicroDot, TA4F Mini-XLR, 3-pin LEMO, Mini-Jack
Color	Black
Weight	7.5 g (0.26 oz) incl. Cable and MicroDot connector
Microphone diameter	5.4 mm (0.21 in)
Microphone length	12.7 mm (0.5 in)
Cable length	1.8 m (5.9 ft)
Polarity	Positively increasing sound pressure produces positive going voltage on MicroDot pin

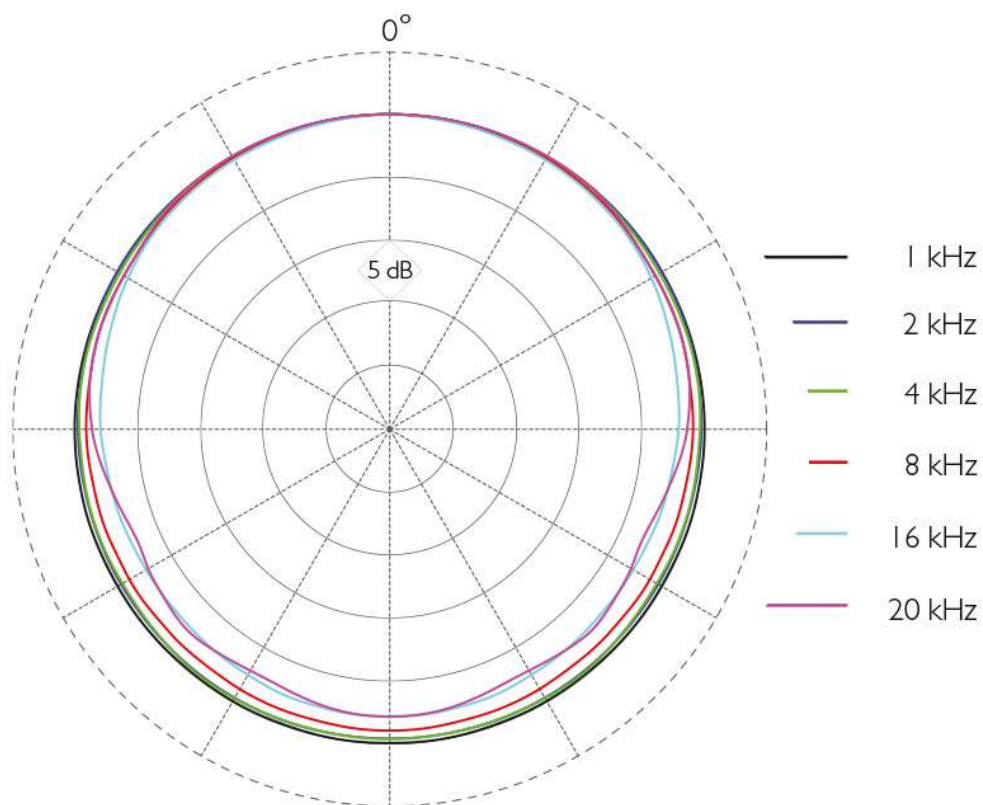
Temperature range -40°C to 45°C (-40°F to 113°F)

Relative humidity (RH) Up to 90%

Sensitivity selection tolerance (at 1 kHz) ±1.5 dB



Typical response of a 4560 Binaural Headset Microphone



Typical directional characteristics of a 4560 Binaural Headset Microphone