

Introducing the new

d:fine™ 88 & 66 Headset Mics

The versatile d:fine™ Headsets are now available with the legendary 4088 directional and 4066 omnidirectional capsules. Both headsets are made for the stage and with the d:fine 88 featuring high isolation from background noise and the d:fine 66 allowing for high frequency response modifications we have a headset that suits all your needs.



Features

- Pristine audio quality
- Minimal visual impact
- Dual-ear mounting for active situations
- Adapts to all pro wireless systems

d:fine™ Headset Microphones

Directional characteristics:

Omnidirectional or Directional

Principle of operation:

Omni: Pressure – Cardioid: Pressure gradient

Cartridge type:

Pre-polarized condenser

Frequency range:

20 Hz - 20 kHz

Frequency range, ± 2 dB:

Omni: Soft boost grid: 20 Hz – 20 kHz, 3 dB soft boost at 8 – 20 kHz. Optional High boost grid: 20 Hz – 20 kHz, 10 dB boost at 12 kHz.
 Cardioid: (Near field 2-3 cm (0.8-1.2 in))
 100 Hz - 20 kHz with 3 dB soft boost at 8 - 20 kHz

Sensitivity, nominal, ± 3 dB at 1 kHz:

6 mV/Pa; -44 dB re. 1 V/Pa

Equivalent noise level, A-weighted:

Typ. 26 dB(A) re. 20 µPa (max. 28 dB(A))

Equivalent noise level, ITU-R BS.468-4:

Typ. 38 dB (max. 40 dB)

S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL):

Typ. 68 dB(A)

Total Harmonic Distortion (THD):

< 1 % up to 123 dB SPL peak; < 1 % up to 120 dB SPL RMS sine

Dynamic range:

Typ. 97 dB

Max. SPL, peak before clipping:

144 dB

Output impedance:

From MicroDot: 30 - 40 Ω. From XLR adapter: 100 Ω.

Cable drive capability:

Up to 300 m (984 ft) XLR adapter

Output balance principle:

Signal balanced XLR adapter

Common Mode Rejection Ratio (CMRR):

> 60 dB from 50 Hz to 15 kHz with XLR adapter

Power supply (for full performance):

Min. 5 V to max. 50 V through DPA adapter for wireless systems. 48 V phantom power ± 4 V with XLR adapter.

Current consumption:

Typ. 1.5 mA (microphone). 3.5 mA with XLR adapter.

Connector:

MicroDot

Weight:

Single Ear: Microphone boom: 1 g (0.035 oz). Earhook: 1 g (0.035 oz). Cable: 8 g (0.28 oz). Total: 10 g (0.35 oz)
 Dual Ear: Microphone boom: 1 g (0.035 oz). Earhook: 3 g (0.1 oz). Cable: 8 g (0.28 oz). Total: 12 g (0.42 oz)''

Microphone housing size:

Length: 10 mm (0.4 in), Diameter: 5 mm (0.2 in)

Capsule diameter: 5.4 mm (0.2 in)

Boom length (omni): 90 and 110 mm (3.5 and 4.3 in)

Boom length (directional): 100 and 120 mm (3.9 and 4.7 in)

Cable length: 1.25 m (4.1 ft)

Earhook and mic boom color:

Black, beige, brown

Cable color:

Black, beige, brown

Cable diameter:

1.6 mm (0.06 in)

Polarity:

+V at MicroDot pin for positive sound pressure (and pin 2 on XLR adapter)

Electro Magnetic Compatibility (EMC):

Fully compatible

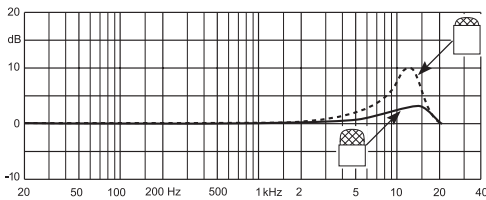
Temperature range:

-40 °C to 45 °C (-40 °F to 113 °F)

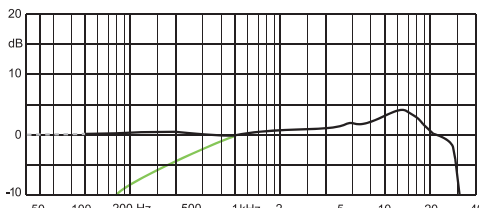
Relative Humidity (RH):

Up to 90%

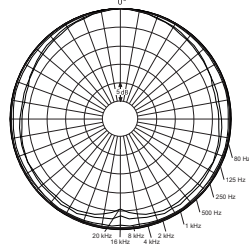
Frequency Response (omnidirectional)



Frequency Response (directional)



Polar Pattern (omnidirectional)



Polar Pattern (directional)

