NEW

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

www.dpamicrophones.com/dfine

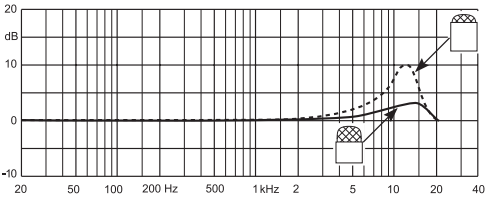
Specifications

d:fine™ Headset Microphones

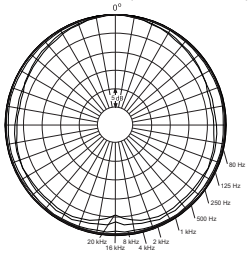
Directional characteristics:
Omnidirectional or Directional
Principle of operation:
Omni: Pressure – Cardioid: Pressure gradient
Cartridge type:
Pre-polarized condenser
Frequency range:
20 Hz - 20 kHz
Frequency range, ± 2 dB:
Omni: Soft boost grid: 20 Hz – 20 kHz, 3 dB soft boost at 8 – 20 kHz. Optional 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%

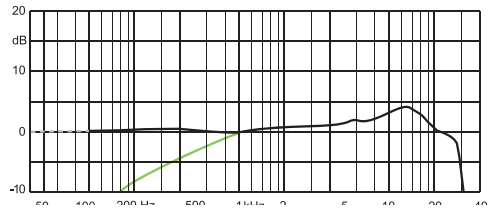
Frequency Response (omnidirectional)



Polar Pattern (omnidirectional)



Frequency Response (directional)



Polar Pattern (directional)