

FIOB00, d:fine™ omni headset mic, single-ear



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Watch YouTube video: tips & tricks on how to work with the d:fine™

- Pristine audio quality
- Easy single-ear or dual-ear mounting
- Minimal visual impact
- Adapts to all pro wireless systems

The DPA d:fine™ headset microphone has the leading position when it comes to headworn microphones by combining absolute pristine audio quality with unique and simple mechanical solutions along side an extensive accessory line.

The d:fine™ has been ergonomically designed to fit easily and seamlessly. It will adjust to fit any ear size and head shape while mounting on either the left or right side of the head.

The d:fine™ omni is sensitive to sound from all directions making the positioning of the headset less critical and can be done by untrained personnel. It is truly a plug-and-play solution for any situation.

Staying true to the DPA legacy, the d:fine™ offers accurate, natural voice intelligibility along with its very high SPL capabilities one can both speak and sing with no hint of distortion. This is where DPA d:fine™ is head and shoulders above its competition.

The omni microphone is generally not sensitive to wind, breathing or handling noise. Nevertheless, intensive protection against pop/wind noise is integrated in the microphone and windscreens are included. Also included is a capsule protection cap, a cable clip which anchors the cable to your clothing and a color coded cable clip offering easy recognition of a specific headset among many.

A service connector splits the cable from the microphone boom and allows for quick exchange of cable lengths/colors/connectors and is valuable for servicing if a cable is damaged.

Available in black, beige, brown, and lime green, the DPA d:fine™ is delivered in a neat, professional roadworthy box with room for accessories like transmitters, batteries and more.

The DPA accessory line includes windscreens, power supplies and adapters or cables with fixed connectors (MicroDot, 3-pin Lemo, TA4F mini XLR, Mini-jack).

What is in the box
Microphone (boom, ear-hook, cable)
Make-up and moisture filter (DUA0523) pre-mounted on the mic
Five identification rings and one make-up cover (DUA0585)
Three windscreens (DUA0531)

d:fine™ is also available in a directional version

For more information please visit:
www.dpamicrophones.com

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Directional characteristics:

Omnidirectional

Principle of operation:

Pressure

Cartridge type:

Pre-polarized condenser

Frequency range:

20 Hz - 20 kHz

Frequency range, ± 2 dB:

20 Hz - 20 kHz with 3 dB soft boost at 8 - 15 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 μ Pa (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 ohm. From DAD6001-BC: 100 ohm.

Cable drive capability:

Up to 300 m (984 ft) with DAD6001-BC XLR adapter

Output balance principle:

Signal balanced with DAD6001-BC XLR adapter

Common Mode Rejection Ratio (CMRR):

> 60 dB from 50 Hz to 15 kHz with DAD6001-BC 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 DAD6001-BC XLR adapter.

Current consumption:

Typ. 1.5 mA (microphone). 3.5 mA with DAD6001-BC XLR adapter.

Connector:

MicroDot

Color:

Black, beige, brown, lime

Weight:

Microphone boom: 0.8 g (0.03 oz); earhook: 1.1 g (0.04 oz); cable: 6.6 g (0.23 oz). Total: 8.5 g (0.30 oz).

Microphone head size (h x w x d):

9.5 x 5.3 x 2.9 mm (0.37 x 0.21 x 0.11 in)

Capsule diameter:

5.4 mm (0.2 in)

Cable length:

1.3 m (4.3 ft)

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 DAD6001-BC XLR adapter)

Electro Magnetic Compatibility (EMC):

Fully compatible

Temperature range:

-40 °C to 45 °C (-40 °F to 113 °F)

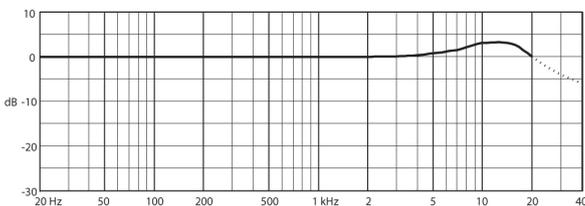
Relative Humidity (RH):

Up to 90%

Diagrams

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Frequency response of the omnidirectional DPA d:fine headset microphone



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