



Amazing sound. Clean design. Who says broadcasters can't have it both ways?

d:fine™ In-Ear Broadcast Headset Mics

The days of broadcast hosts fiddling with two parallel systems – one for the mic and one for in-ear communication – are over. Our new d:fine™ In-Ear Broadcast Headset Microphone is the first broadcast solution that gives you uncompromising mic performance and convenient in-ear communication. All in one simple solution..

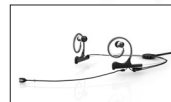
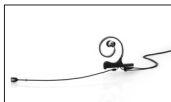
We conceived it for broadcast professionals who insist on superior voice reproduction. We designed it for simple setup and wiring. What's in it for you? Crystal-clear communication from producer to host. Daylong user comfort. And viewers who can hear your host's message, no matter what the venue.



Patent pending

Available combinations

- Single-Ear Mount, Single In-Ear Driver
- Dual-Ear Mount, Single In-Ear Driver
- Dual-Ear Mount, Dual In-Ear Drivers



Features

- Mic and in-ear monitor integrated in one unique solution
- Easy to mount with minimum cable clutter
- Minimalist design, outstanding comfort
- DPA's industry-leading microphone capsule technology and sound quality

d:fine™ In-Ear Broadcast Headset Microphones

Specifications

d:fine™ Omnidirectional Headset Microphones

Directional characteristics

Omnidirectional

Principle of operation

Pressure

Frequency range, ± 2 dB

d:fine omnidirectional

20 Hz - 20 kHz with 3 dB soft boost at 8 - 15 kHz

4065, 4066, 4067 and d:fine 66

20 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. 28 dB(A) re. 20 µPa (max. 28 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

Power supply (for full performance)

Min. 5 V - max. 50 V through DPA adapter for

wireless systems. 48 V phantom power: ± 4 V

with DAD600 I-BC XLR adapter

Current consumption

Typ. 1.5 mA (microphone)

3.5 mA with DAD600 I-BC XLR adapter

Connector

MicroDot

Color (microphone, cable and earhook)

Black, beige, brown

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)

Cable length

1.3 m (4.3 ft)

Specifications, In-Ear Drivers

Type:

Dynamic earplug

Connector

3.5 mm stereo Mini-Jack.

Single In-Ear

Signal at Mini-Jack Tip

Dual In-Ear

Signal at Mini-Jack Tip (Left – mic boom side)

and Ring (Right)

Sensitivity

107 dB/V

Nominal impedance

18 Ω

2 sizes Ear-pads are included

Specifications

d:fine™ Directional Headset Microphone

Directional characteristics

Cardioid

Principle of operation

Pressure gradient

Frequency range, ± 2 dB,

Near field 2-3 cm (0.8-1.2 in)

d:fine directional

100 Hz - 20 kHz with 3 dB soft boost at 8 - 20 kHz

4088 and d:fine 88

100 Hz - 20 kHz with 4-6 dB soft boost at 15 kHz

Sensitivity, nominal, ± 3 dB at 1 kHz

Typ. 28 dB(A) re. 20 µPa (max. 30 dB(A))

Equivalent noise level, A-weighted

< 1 % up to 120 dB SPL peak

< 1 % up to 120 dB SPL RMS sine

Dynamic range

Typ. 95 dB

Max. SPL, peak before clipping

144 dB

Power supply (for full performance)

Min. 5 V - max. 50 V through DPA adapter for

wireless systems. 48 V phantom power: ± 4 V

with DAD600 I-BC XLR adapter

Current consumption

Typ. 1.5 mA (microphone)

3.5 mA with DAD600 I-BC XLR adapter

Connector

MicroDot

Color (microphone, cable and earhook)

Black, beige, brown

Cable length

1.3 m (4.3 ft)

Specifications, In-Ear Drivers

Type:

Dynamic earplug

Connector

3.5 mm stereo Mini-Jack.

Single In-Ear

Signal at Mini-Jack Tip

Dual In-Ear

Signal at Mini-Jack Tip (Left – mic boom side)

and Ring (Right)

Sensitivity

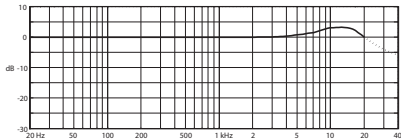
107 dB/V

Nominal impedance

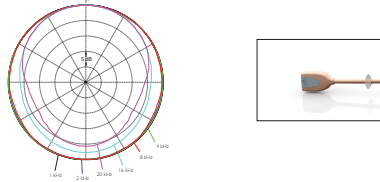
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2 sizes Ear-pads are included

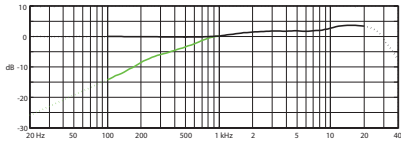
Frequency Response of d:fine™ Omnidirectional



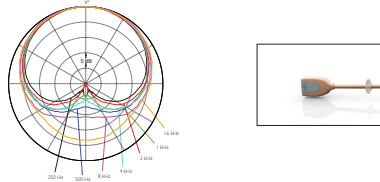
Polar Pattern of d:fine™ Omnidirectional



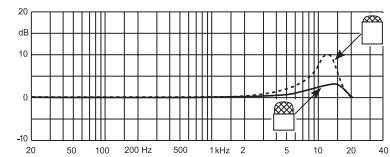
Frequency Response of d:fine™ Directional



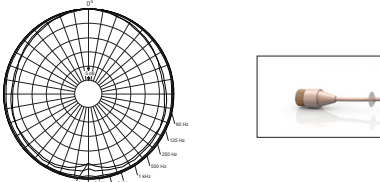
Polar Pattern d:fine™ Directional



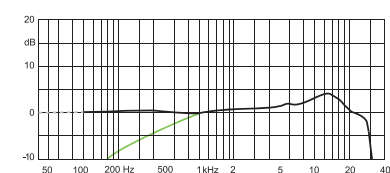
Frequency Response (d:fine™ 66)



Polar Pattern (d:fine™ 66)



Frequency Response (d:fine™ 88)



Polar Pattern (d:fine™ 88)

