

The logo for DPA Microphones, featuring the letters 'DPA' in a bold, sans-serif font, followed by a circular icon containing a stylized sunburst or microphone grille pattern, and the word 'MICROPHONES' in a smaller font below it.

DPA
MICROPHONES

The background of the page is a dark, monochromatic composition. It features several DPA microphones of various models, including gooseneck and handheld types, arranged in a scattered pattern. Overlaid on this are faint, light-colored technical drawings and diagrams, including a cross-section of a microphone body with dimensions like '369.63' and 'A', and a detailed view of a connector labeled '4018'. The overall aesthetic is professional and technical.

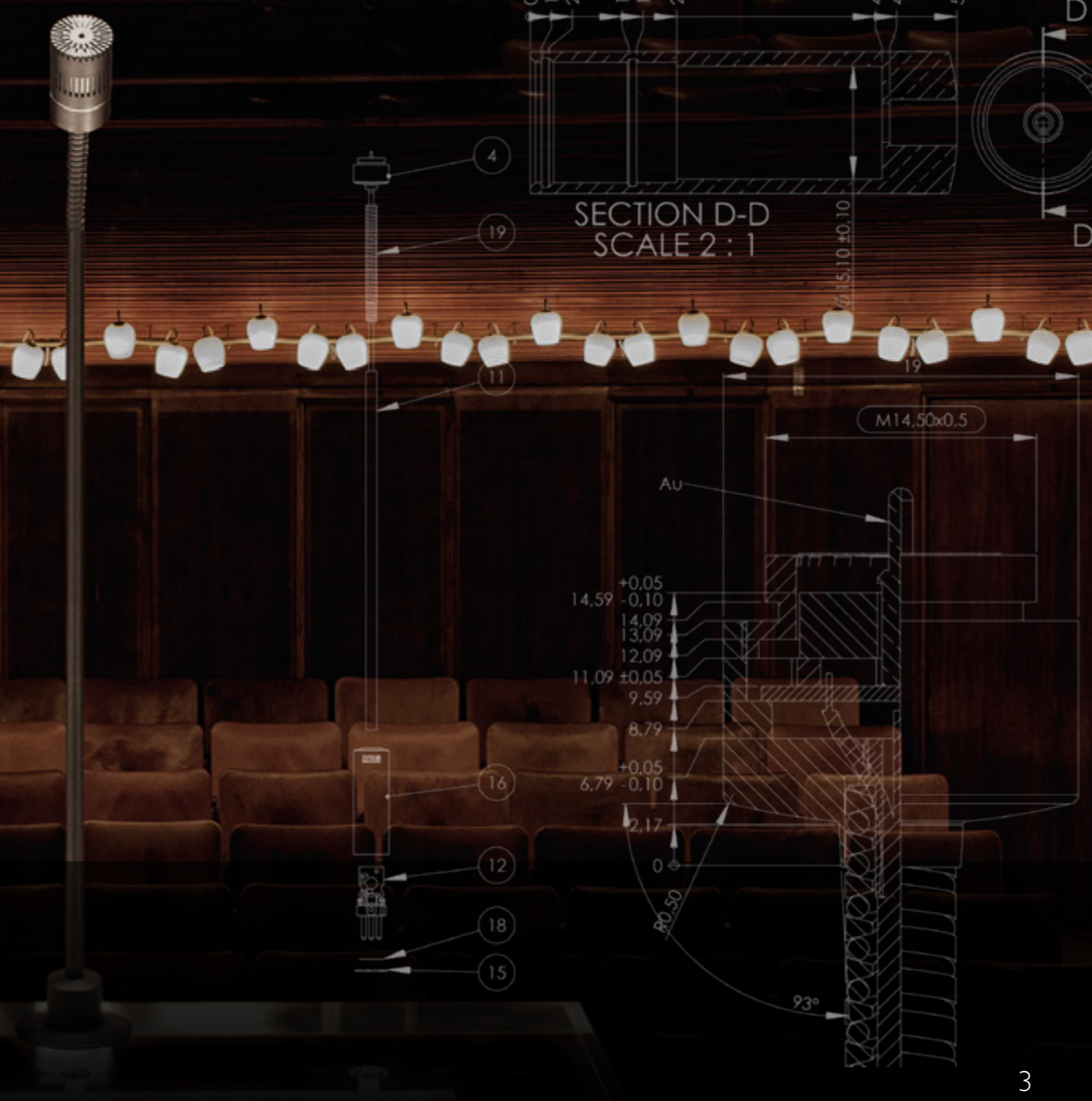
INSTALLATION

GET CLOSER
TO TROUBLE-FREE SOUND

Enabling outstanding sound in acoustically-challenging venues can be very tricky. But choosing the proper microphones makes everything easier. The right mics can minimize potential problems before they pop up and guarantee customer satisfaction after project close. Whatever the setting, DPA supercardioid mics combine controlled directionality with excellent rejection of background noise into an elegant mic solution for even the most difficult space.

By choosing microphones from DPA for your installation project you ensure:

- Maximum speech intelligibility regardless of acoustical environment
- High gain before feedback leading to fewer speaker placement issues
- Rejection of mobile phone interference
- Consistent sound from every microphone, every time





Stress-free solutions for AV consultants

The mic is the important first link in the sound chain and, as always, if you choose the best solutions for your audio system, your end result will sound better. DPA Microphones provides the essential tools needed to overcome the acoustic and design challenges that all AV consultants struggle with. Whether in an auditorium, board room, conference venue, courtroom, house of worship, stand-alone podium or even a theater setting, our condenser microphones secure speech intelligibility. By choosing the right mics and complementing them with the right audio system components, you can ensure that every word said will be heard – throughout the venue. No more struggling with EQ settings to compensate for bad microphone discolorations.

Depending on the surroundings and your specific needs, you can pick between a wide variety of installed mic solutions; including hanging, floor and table-mount solutions.

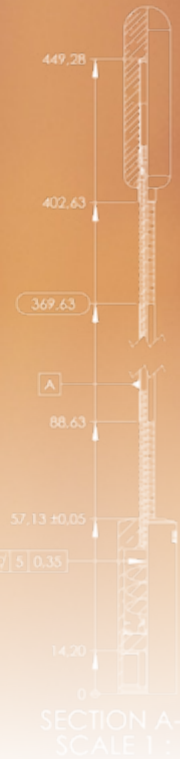
For more information and tips for ensuring the best possible installed sound in your space, visit: dpamicrophones.com/installedsound

d:screet™
SC4098 Supercardioid Microphone



Clean, clear sound is key when a speaker is addressing a crowd. d:screet™ Supercardioid Microphones deliver high intelligibility by combining controlled directionality with rejection of background noise. These microphones are designed around our famous d:screet™ Miniature Microphone Capsules and our innovative interference tube technology.

d:screet™ Supercardioid Microphones offer extraordinarily high speech intelligibility and clarity of voice. They provide linear, natural sound combined with elegant Scandinavian design.



Meeting the requirements of any install project, at any venue

The d:screet™ Supercardioid Microphone is available in many variants to meet your specific needs. It comes in black or white, with either an XLR or a MicroDot termination (for wireless solutions) and in lengths ranging from 16 cm (6 in) to 47 cm (18 in). Longer black variants are available in 77 cm (30 in) and 122 cm (48 in). Custom variants, to meet your exact needs, are also available.

We also provide a wide range of accessories like windscreens, cables, mounts, clips, floor stands and our stylish Table Shock Mount (see page 18).

Go safe, go simple, go wireless

Our d:screet™ Miniature Microphones for installation are available with a MicroDot connector so they are suitable for a wireless setup. No more cables across the stage; simply connect the microphone with a wireless transmitter. Your setup is more flexible than ever.

Our adapter program gives you simple and affordable possibilities. You are no longer bound to one wireless system. As circumstances change, you can just switch your adapter, instead of incurring the cost of a whole new microphone. And when you make the switch, you won't hear any loss or change in sound quality.

The d:screet™ Supercardioid Microphone works with all leading wireless mic solutions, such as Lectrosonics, Sennheiser, Shure, Sony, Wisycom, Zaxcom and many more. DPA Microphones' ingenious adapter system is one of a kind in the industry. It protects your investment in fantastic sound for years to come.



d:dicate™
4018F Supercardioid Microphone



There is no other sound as recognizable as the human voice. And when an entire audience's focus is on that voice, the mic you use has to amplify it clearly, naturally and easily. The d:dicate™ Supercardioid Microphone is the mic on the market with the most natural response to speak. No equalization is needed to remove microphone artifacts and speech intelligibility is straight out of the mic.

The highly directional supercardioid pickup pattern has a smooth and uniform off-axis frequency response. The supercardioid shape is frequency independent, securing an identical sound color around the microphone. The usual rear lobe heard on most supercardioids is minimized on this microphone making it much more isolated without sudden frequency dependent peaks and dips.

A range of solutions to meet any need

The d:dicate™ Supercardioid Microphone is available in many variants to meet your specific needs. It comes in 20 cm (8 in) for hanging solutions, 32 cm (13 in) and 47 cm (18 in) for podium solutions and 77 cm (30 in) and 122 cm (48 in) for floor-stand applications. Custom variants, to meet your exact needs, are also available.

We also provide a wide range of accessories like capsules, windscreens, cables, mounts, clips, floor stands and our stylish Table Shock Mount (see page 18).



Specifications

Directional pattern

Supercardioid

Principle of operation

Pressure gradient

Cartridge type

Pre-polarized condenser

Frequency range

20 Hz - 20 kHz

Frequency range, ±2 dB, 20 cm (8 in) distance

80 Hz – 15 kHz with 3 dB soft boost at 8-15 kHz)

Sensitivity, nominal, ±3 dB at 1 kHz

16 mV/Pa; -36 dB re. 1 V/Pa

Equivalent noise level, A-weighted

Typ. 23 dB(A) re. 20 µPa (max. 26 dB(A))

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

Typ. 35 dB

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

Typ. 71 dB(A)

Total Harmonic Distortion (THD)

< 1% up to 125 dB SPL peak

Dynamic range

Typ. 102 dB

Max. SPL, peak before clipping

135 dB

Output impedance

From MicroDot: 30 - 40 Ω. From DAD6001 adapter or XLR variant: 100 Ω

Cable drive capability

Up to 300 m (984 ft) with DAD6001 adapter or XLR variant

Output balance principle

Signal balanced with DAD6001 XLR Adapter or XLR variant

Common Mode Rejection Ratio (CMRR)

> 60 dB from 50 Hz to 15 kHz with DAD6001 XLR Adapter or XLR variant

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 DPA XLR adapter or XLR variant

Current consumption

Typ. 1.5 mA (microphone), 3.5 mA with DAD6001 XLR adapter or XLR variant

Polarity

+V at MicroDot pin for positive sound pressure

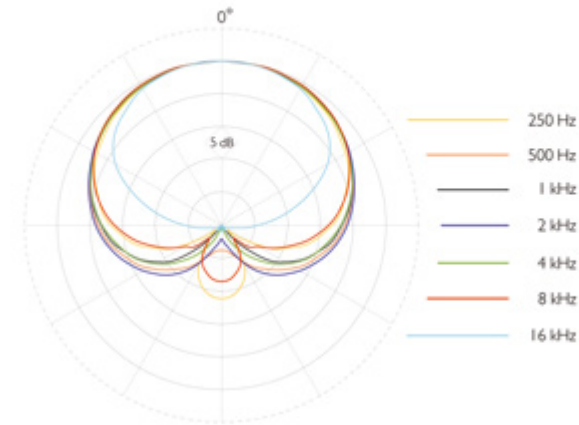
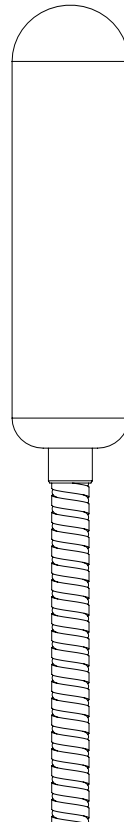
(and pin 2 on DAD6001 XLR Adapter or XLR variant)

Temperature range

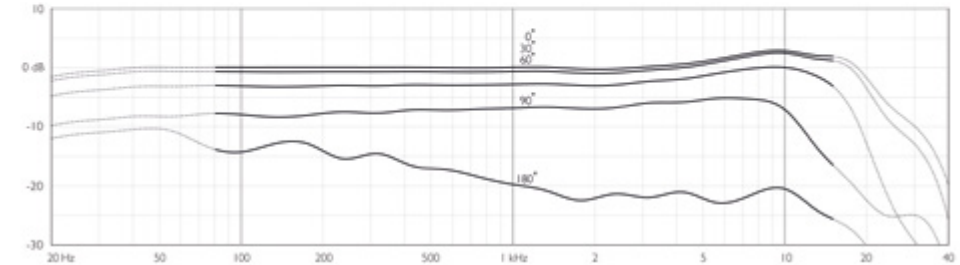
-40 to 45 °C (-40 to 113 °F)

Relative humidity (RH)

Up to 90%



Typical directional characteristics of a d:screet™ SC4098 Supercardioid Microphone



Typical on- and off-axis response of a d:screet™ SC4098 Supercardioid Microphone measured at 20 cm (8 in)

Connector	Color	Length of a d:screet™ SC4098 Supercardioid Microphone				
		16 cm (6 in)	28 cm (11 in)	43 cm (17 in)	77 cm (30 in)	122 cm (48 in)
MicroDot	Black	✓	✓	✓	✓	✓
MicroDot	White	✓	✓	✓		
		20 cm (8 in)	32 cm (13 in)	47 cm (18 in)	77 cm (30 in)	122 cm (48 in)
XLR-3M	Black	✓	✓	✓	✓	✓
XLR-3M	White	✓	✓	✓		

Length includes connector and foam windscreen. Other configurations can be custom ordered.

Specifications

Directional pattern

Supercardioid

Principle of operation

Pressure gradient

Cartridge type

Pre-polarized condenser

Frequency range

20 Hz - 20 kHz

Frequency range, ±2 dB, at 30 cm (12 in) distance

40 Hz - 18 kHz

Sensitivity, nominal, ±2 dB at 1 kHz

12 mV/Pa; -38.4 dB re. 1 V/Pa

Equivalent noise level, A-weighted

Typ. 16 dB(A) re. 20 µPa (max. 19 dB(A))

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

Typ. 23 dB

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

Typ. 78 dB(A)

Total Harmonic Distortion (THD)

< 1% up to 137 dB SPL peak

Dynamic range

Typ. 121 dB

Max. SPL, peak before clipping

142 dB

Output impedance

100 Ω

Cable drive capability

Up to 100 m (328 ft)

Output balance principle

Impedance balancing

Common Mode Rejection Ratio (CMRR)

> 40 dB

Power supply (for full performance)

48 V phantom power ±4 V

Current consumption

3.5 mA

Connector

XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase

Color

Matte black

Polarity

+V at pin 2 for positive sound pressure

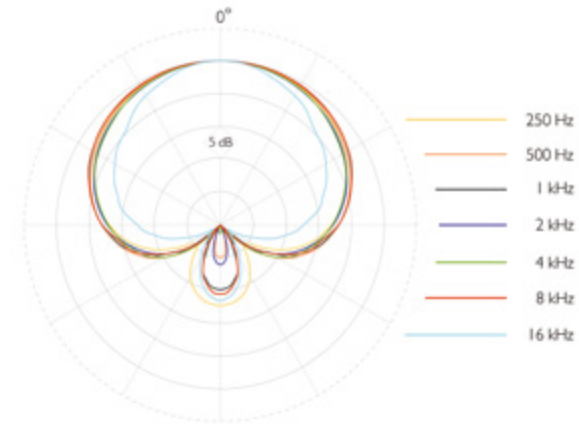
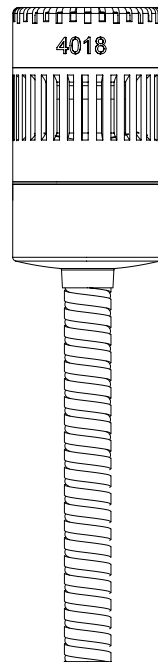
Temperature range

-40 to 45 °C (-40 to 113 °F)

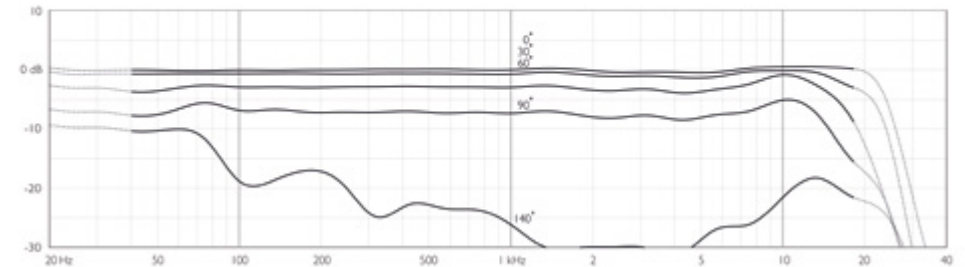
Relative humidity (RH)

Up to 90%

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Typical directional characteristics of a d:dicate™ 4018F Supercardioid Microphone



Typical on- and off-axis response of a d:dicate™ 4018F Supercardioid Microphone measured at 30 cm (12 in)

Connector	Color	Length of a d:dicate™ 4018F Supercardioid Microphone				
		20 cm (8 in)	32 cm (13 in)	47 cm (18 in)	77 cm (30 in)	122 cm (48 in)
XLR	Matte black	✓	✓	✓	✓	✓

Length includes connector and MMC4018 capsule. Other configurations can be custom ordered

d:dicate™
4011F Cardioid Microphone



Similar to the d:dicate™ Supercardioid Microphone, the principal appeal of the d:dicate™ Cardioid Microphone is its directional quality. This first-order cardioid mic has a wider sound pickup pattern compared to the supercardioid variant. Choose the d:dicate™ Cardioid Microphone when you need a microphone to pick up more than one person speaking or for situations when the speaker moves around a lot in front of the microphone.

d:screet™
BLM4060 Boundary Layer Microphone



With a stylish Scandinavian design in stainless steel and black rubber, the d:screet™ Boundary Layer Microphone is an elegant table mic solution for any meeting room or conference application. Its omnidirectional polar pattern picks up speech all around it with excellent intelligibility due to its voice-optimized frequency response.

Users will benefit from the special characteristics of the surrounding sound field on which the mic is mounted: a 6 dB gain of direct sound and only a 3 dB gain of diffuse sound. The sound captured has both greater clarity, especially at high frequencies, and speech intelligibility compared to sound captured above the surface.

d:fine™
Headset Microphones



Bodyworn solutions are ideal for speakers who place importance on superior voice reproduction, comfort and easy setup. d:fine™ Headset Microphones come in omnidirectional and directional variants to meet any need. Omnidirectionals give the most natural voice reproduction in situations where off-axis noise is not a problem, often used in conference settings as well as Houses of Worship. Directionals, for use in acoustically-challenging environments, offer maximum side rejection and excellent sonic focus on the subject. The DPA adapter program also works with our d:fine™ Headset Microphone range.

d:screet™
4080 Lavalier Microphone



Capturing the human voice with an unusually high degree of definition, this directional, chest-placed microphone offers maximum side rejection and excellent sonic focus on the subject. This mic solution is specifically optimized for chest placement and is easy to setup. It is ideal for conference use.

d:screet™
4061 Necklace Microphone



The d:screet™ Necklace Microphone is a quick and easy solution. Featuring the legendary d:screet™ 4061 Omnidirectional Miniature Capsule mounted in a soft rubber necklace, this mic offers fast, repeatable and do-it-yourself mounting. It is a good choice for pastors in Houses of Worship and speakers in conference settings.

Accessories

We also provide a wide range of accessories like windscreens, cables, mounts, clips, floor stands and our stylish Table Shock Mount.

The Table Shock Mount is a fixed microphone mount that offers the best shock rejection available of any integrated podium/table mount. It is optimized for the weight and dimensions of our d:screet™ and d:dicate™ microphones and mic boom poles.

Vertical softness absorbs handling vibration. Horizontal movements are controlled to prevent the podium boom from touching the mount.

The Table Shock Mount is designed to match the sleek Scandinavian look of our d:screet™ and d:dicate™ Microphones.



Read more about our wide range of accessories at dpamicrophones.com

M14,50x0

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TO TROUBLE-FREE SOUND

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