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.

- 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

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

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.
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:dictate™ 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:dictate™ 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. 5V to max. 50V 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%

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Typical directional characteristics of a d:scree™ SC4098 Supercardioid Microphone measured at 20 cm (8 in)

<table>
<thead>
<tr>
<th>Connector</th>
<th>Color</th>
<th>Length of a d:scree™ SC4098 Supercardioid Microphone</th>
</tr>
</thead>
<tbody>
<tr>
<td>MicroDot</td>
<td>Black</td>
<td>✓ 16 cm (6 in) ✓ 28 cm (11 in) ✓ 43 cm (17 in) ✓ 77 cm (30 in) ✓ 122 cm (48 in)</td>
</tr>
<tr>
<td>MicroDot</td>
<td>White</td>
<td>✓ 20 cm (8 in) ✓ 32 cm (13 in) ✓ 47 cm (18 in) ✓ 77 cm (30 in) ✓ 122 cm (48 in)</td>
</tr>
<tr>
<td>XLR-3M</td>
<td>Black</td>
<td>✓ 16 cm (6 in) ✓ 28 cm (11 in) ✓ 43 cm (17 in) ✓ 77 cm (30 in) ✓ 122 cm (48 in)</td>
</tr>
<tr>
<td>XLR-3M</td>
<td>White</td>
<td>✓ 20 cm (8 in) ✓ 32 cm (13 in) ✓ 47 cm (18 in) ✓ 77 cm (30 in) ✓ 122 cm (48 in)</td>
</tr>
</tbody>
</table>

Length includes connector and foam windscreen. Other configurations can be custom ordered.
d:icate™
4018F Supercardioid Microphone

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%

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

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

<table>
<thead>
<tr>
<th>Connector</th>
<th>Color</th>
<th>Length of d:icate™ 4018F Supercardioid Microphone</th>
</tr>
</thead>
<tbody>
<tr>
<td>XLR</td>
<td>Matte black</td>
<td>✓</td>
</tr>
</tbody>
</table>

Length includes connector and MMC4018 capsule. Other configurations can be custom ordered.
Bodyworn solutions are ideal for speakers who place importance on superior voice reproduction, comfort and easy setup. d:fi ne™ 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:fi ne™ Headset Microphone range.

d:fi ne™
Headset Microphones

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™
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:screet™
4080 Lavalier 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.

4011F  Cardioid 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.

The d:screet™ Neckalce 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.

4061 Neckalce Microphone
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 dscreet™ and ddicate™ 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 dscreet™ and ddicate™ Microphones.

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