

# HEAVY DUTY

Miniature Omnidirectional Microphones

## A hardworking lavalier for broadcast

Heavy-duty lavaliers are ideal for broadcast when maximum sound and security is required but the size of the mic is less important. Perfect for demanding ENG/EFP situations or in the studio, the 4660 Series consists of durable mics with sound quality of the highest caliber.

[dpamicrophones.com/4660](http://dpamicrophones.com/4660)



- ✓ The most rugged and reliable version of DPA miniatures
- ✓ Stainless steel housing and heavy-duty strain relief
- ✓ Thick 2.2 mm (0.09 in) cable withstands twists and bends
- ✓ Exceptional audio quality ensures high speech intelligibility
- ✓ Resistant to moisture, extreme temperature changes and humidity
- ✓ Modular adapter system fits most professional wireless systems



### 4660 Heavy Duty Miniature Omnidirectional Microphone

Normal SPL



A very flexible and durable miniature microphone, the 4660 exhibits an accurate omnidirectional pattern and therefore does not need to be aimed directly at the sound source to achieve quality pickup. It is especially suited for capturing speech in all of its nuances and handles sound pressure levels up to 134 dB. Choose this mic for interview situations in the field or the studio.

### 4661 Heavy Duty Miniature Omnidirectional Microphone

Loud SPL



Acoustically identical to the 4660, this mic is sensitivity adjusted to cope with higher sound pressure levels, which typically occur when you are close to a sound source or when the microphone must record high-intensity content. The 4661 can handle sound pressure levels up to 144 dB and is therefore perfect for recording louder sound effects.

### 4671 Heavy Duty Miniature Omnidirectional Microphone

Normal SPL, Presence Boost



The 4671 is a fantastic lavalier mic, which features a presence boost of 5 dB at 4 to 6 kHz, which is optimized for chest placement and thereby maximizes speech intelligibility.

Because of its special optimization for speech, this mic is appropriate for ENG news crews as it incorporates both the mid-range presence boost as well as a low cut at 100 Hz. This fits exactly with the adjustments a sound engineer would set on an audio mixer, making the sound ready for the transmitter or camera input.



## Accessories

A range of useful accessories, including, grids, mesh, windscreens, MicroDot extension cables and clips are optional items for the microphones in the 4660 Series.



### Soft Boost Grid (DUA6001)

Introduces a 3 dB boost around 8 - 20 kHz  
(for 4660 & 4661)



### High Boost Grid (DUA6002)

Introduces a 10 dB boost around 12 kHz.  
(for 4660 & 4661)



### Miniature Mesh (DUA0572)

Reduces slight wind noise or pop noise and gives a high-frequency boost that is strongest on axis. (for 4671 only)



### MicroDot Extension Cable (CM2218B00)



### Clip (SCM0020-B)



### Black Foam Windscreen (DUA0560)



### Beige Foam Windscreen (DUA0567)



### Fur Windscreen (DUA0571)

(for 4671 only)



## Adapter system gives you flexibility

DPA's adapters for wireless systems give you flexible, simple and affordable possibilities. You are no longer bound to only one wireless system.

As circumstances change, you can just switch your adapter, instead of incurring the cost of a completely new microphone. When you make the switch, you won't hear any loss or change in sound quality from the mic as the adapters are tailored to suit specific transmitter types.

DPA's miniature mics work with all leading wireless mic solutions, such as Lectrosonics, Sennheiser, Shure, Sony, Wisycom and many more. DPA's ingenious adapter system is one of a kind in the industry. It protects your investment in fantastic sound for years to come.

Should you prefer to have your mic hardwired to a specific connector type, DPA offers pre-terminated types for the most popular wireless systems.





## Specifications 4660

### Directional characteristics:

Omnidirectional

### Principle of operation:

Pressure

### Cartridge type:

Pre-polarized condenser

### Frequency response:

20 Hz - 20 kHz

### Effective frequency range, $\pm 2$ dB:

Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz.

High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz

### Sensitivity, nominal, $\pm 3$ dB at 1 kHz:

20 mV/Pa; -34 dB re. 1 V/Pa

### Equivalent noise level, A-weighted:

Typ. 23 dB(A) re. 20  $\mu$ Pa (max. 26 dB(A))

### Distortion, THD < 1%:

126 dB SPL RMS, 129 dB SPL peak

### Dynamic range:

Typ. 106 dB

### Max. SPL, THD 10%:

134 dB SPL peak

### Rated output impedance:

From MicroDot: 30 - 40  $\Omega$ . From DAD6001: 100  $\Omega$

### Power supply (for full performance):

Min. 5 V to max. 50 V through DPA adapter for wireless systems or 48 V phantom power  $\pm 4$  V with DAD6001-BC XLR adapter

### Connector:

MicroDot

### Temperature range:

-40°C to 45°C (-40°F to 113°F)

### Weight:

13 g (0.46 oz) incl. cable and MicroDot connector

### Microphone dimensions:

$\varnothing$ : 5.4 mm (0.21 in)

L: 17 mm (0.67 in)

### Cable dimensions:

$\varnothing$ : 2.2 mm (0.09 in)

L: 1.8 m (6 ft)

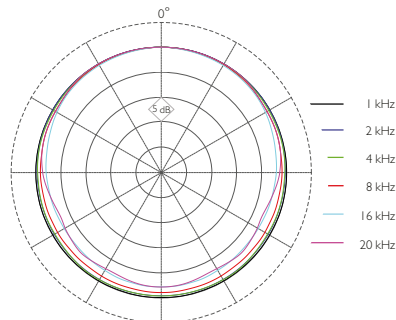
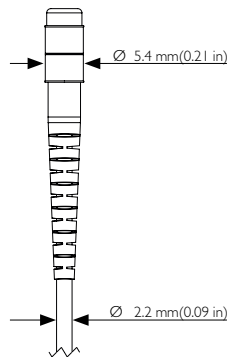
### Color:

Black or beige

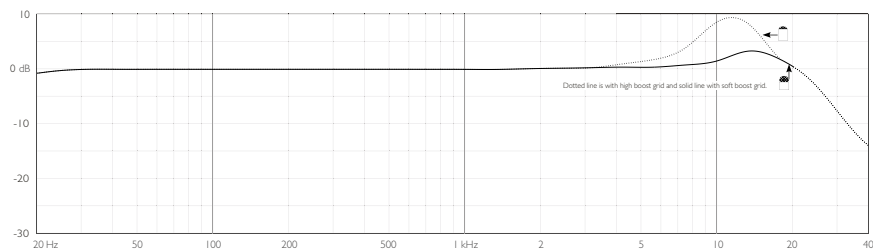
Product ID:

Black: 4660-OC-H-B00

Beige: 4660-OC-H-F00



Typical directional characteristics of a 4660 Heavy Duty



Typical on and off-axis response of a 4660/61 Heavy Duty

## Specifications 4661

### Directional characteristics:

Omnidirectional

### Principle of operation:

Pressure

### Cartridge type:

Pre-polarized condenser

### Frequency response:

20 Hz - 20 kHz

### Effective frequency range, $\pm 2$ dB:

Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz.

High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz

### Sensitivity, nominal, $\pm 3$ dB at 1 kHz:

6 mV/Pa; -44 dB re. 1 V/Pa

### Equivalent noise level, A-weighted:

Typ. 26 dB(A) re. 20  $\mu$ Pa (max. 28 dB(A))

### Distortion, THD < 1%:

134 dB SPL RMS, 137 dB SPL peak

### Dynamic range:

Typ. 111 dB

### Max. SPL, THD 10%:

144 dB SPL peak

### Rated output impedance:

From MicroDot: 30 - 40  $\Omega$ . From DAD6001: 100  $\Omega$

### Power supply (for full performance):

Min. 5 V to max. 50 V through DPA adapter for wireless systems or 48 V phantom power  $\pm 4$  V with DAD6001-BC XLR adapter

### Connector:

MicroDot

### Temperature range:

-40°C to 45°C (-40°F to 113°F)

### Weight:

13 g (0.46 oz) incl. cable and MicroDot connector

### Microphone dimensions:

$\varnothing$ : 5.4 mm (0.21 in)

L: 17 mm (0.67 in)

### Cable dimensions:

$\varnothing$ : 2.2 mm (0.09 in)

L: 1.8 m (6 ft)

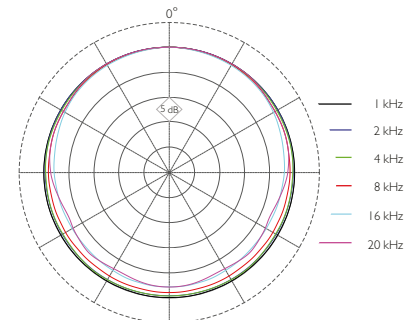
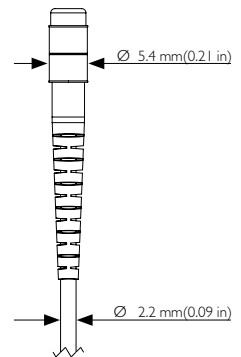
### Color:

Black or beige

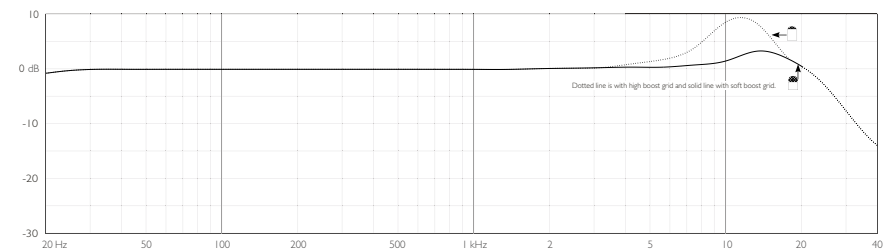
Product ID:

Black: 4661-OC-H-B00

Beige: 4661-OC-H-F00



Typical directional characteristics of a 4661 Heavy Duty



Typical on and off-axis response of a 4660/61 Heavy Duty

# Specifications 4671

Product ID:

Black: 4671-OC-H-B00

## Directional characteristics:

Omnidirectional

## Principle of operation:

Pressure

## Cartridge type:

Pre-polarized condenser

## Frequency response:

20 Hz - 20 kHz

## Effective frequency range, $\pm 2$ dB:

100 Hz - 15 kHz with typ. 5 dB soft boost at 4 - 6 kHz

## Sensitivity, nominal, $\pm 3$ dB at 1 kHz:

6 mV/Pa; -44 dB re. 1 V/Pa

## Equivalent noise level, A-weighted:

Typ. 26 dB(A) re. 20  $\mu$ Pa (max. 28 dB(A))

## Distortion, THD < 1%:

134 dB SPL RMS, 137 dB SPL peak

## Dynamic range:

Typ. 111 dB

## Max. SPL, THD 10%:

144 dB SPL peak

## Rated output impedance:

From MicroDot: 30 - 40  $\Omega$ . From DAD6001: 100  $\Omega$

## Power supply (for full performance):

Min. 5 V to max. 50 V through DPA adapter for wireless systems or 48 V phantom power  $\pm 4$  V with DAD6001-BC XLR adapter

## Connector:

MicroDot

## Temperature range:

-40°C to 45°C (-40°F to 113°F)

## Weight:

14 g (0.49 oz) incl. cable and MicroDot connector

## Microphone dimensions:

$\varnothing$ : 5.4 mm (0.21 in)

L: 17 mm (0.67 in)

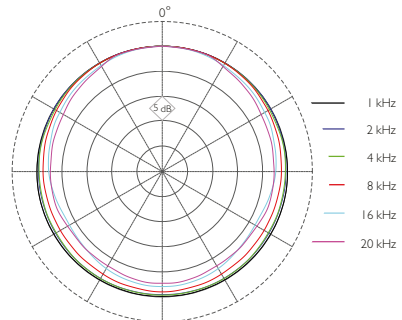
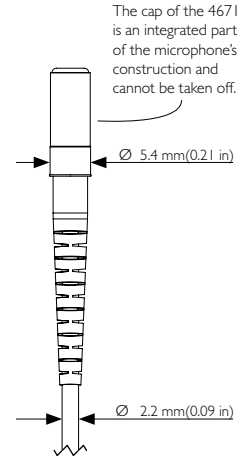
## Cable dimensions:

$\varnothing$ : 2.2 mm (0.09 in)

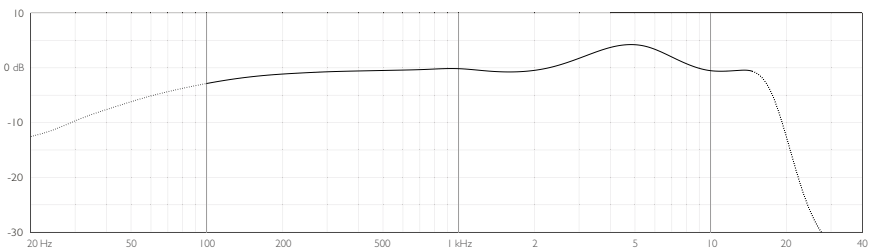
L: 1.8 m (6 ft)

## Color:

Black



Typical directional characteristics of a 4671 Heavy Duty



Typical on and off-axis response of a 4671 Heavy Duty