



6060/6I CORE Subminiature Lavalier



Introduction

6060 CORE Subminiature Microphones are just 3 mm (0.12 in) in size but pack the audio power of our larger, award-winning DPA mics. What they lack in size, they more than make up for in clarity, consistency and durability – three qualities that really matter. By shrinking CORE by DPA technology, we ensure you don't have to compromise on sound to focus on aesthetics.



6060 Normal SPL

Especially suited for capturing speech in all of its nuances, the 6060 is particularly useful as a chest-worn lavalier or for capturing more subtle voices. This mic is optimized for applications where the sound source is more remote or damped and you need to have a good balance of signal versus noise.

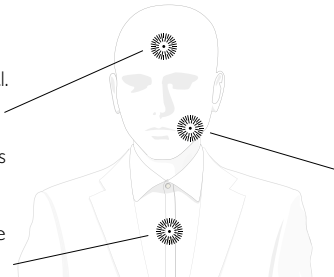
6061 Loud SPL

One of the best subminiatures for use on very loud sound sources, such as some human voices. The 6061 works well for hidden applications and is most often used to capture the voice when the mic is mounted on the forehead of a theater performer.

Placement

Forehead placement is optimal. When mounted here, very little or no EQ is necessary and the most natural pick up is achieved.

When placed on the chest, we suggest you attenuate at 800 Hz due to the acoustical build-up at this frequency. Please note that the chin shadows for the higher frequencies, but a boost will help increase the speech intelligibility.



When placing a mic close to the sound source (the mouth) you will obtain the highest sound pressure levels (SPL) and thus the best signal to noise ratio. The SPL at “the corner of your smile” is approximately 10 dB higher compared to a chest position.

For more info on the proper placement of microphones, please visit our Microphone University.

dpa[microphones.com/speech](https://www.dpamicrophones.com/speech)



Optional accessories

To avoid noise caused by wind, an optional windscreen is available. This will reduce noise by 15-20 dB depending on the wind speed. The windscreen is also helpful when the talent uses the microphone as a lavalier and breathes heavily through the nose.

Wind screens

DUA953 I-B

DUA953 I-F



Make-up cover

DUA950 I



Extra grids

DUA9301-B

DUA9301-F

DUA9301-C

DUA9301-W



Paintable Subminiature Cap

DUA9302

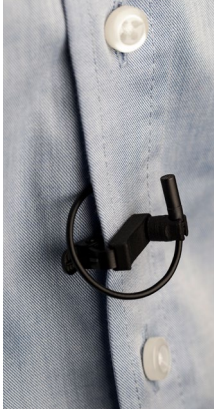


8-way Clips for 6060 Series

SCM0030-B or W



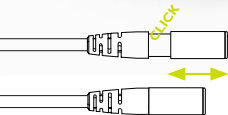
SCM0034-B



General maintenance



The grid protects the tiny 3 mm capsule. The tiny grid holes add to the mics' resilience to water and sweat.



The mic cap can easily be removed for cleaning by pulling it gently. When you reattach it, you will feel and hear a "click" when the cap is secured.

Use organic oil (e.g. olive oil) or lukewarm distilled water to remove residue from tape, glue or makeup on the cable. Do not bend the cable or rub it harshly, it may stress the inner cores of the cable and cause them to break over time.

The microphone is resistant to high levels of humidity and water. For optimum performance the microphone capsule should be kept dry. Keep the microphone away from exposure to cleaning fluids and do not use spray or fluids containing chemicals that could remove static electricity on or close to the microphone. This could cause permanent damage.

Rinsing the microphone capsule must be done only with demineralized water. The microphone must be left to air dry afterwards.

Please refer to our instructions and videos explaining the cleaning process.

dpamicrophones.com/wash-miniature

Specifications

Directional pattern

Omnidirectional

Cartridge type

Pre-polarized condenser

Frequency response

20 Hz - 20 kHz

Sensitivity, nominal ± 2.4 dB at 1 kHz

6060: 20 mV/Pa; -34 dB re. 1 V/Pa

6061: 6 mV/Pa; -44 dB re. 1 V/Pa

Equivalent noise level, A-weighted

6060: Typ. 24 dB(A) re. 20 μ Pa (max. 26 dB(A))

6061: Typ. 26 dB(A) re. 20 μ Pa (max. 28 dB(A))

Distortion, THD < 1%

6060: 123 dB SPL RMS, 126 dB SPL peak

6061: 125 dB SPL RMS, 128 dB SPL peak

Max. SPL, THD 10%

6060: 134 dB SPL peak

6061: 144 dB SPL peak

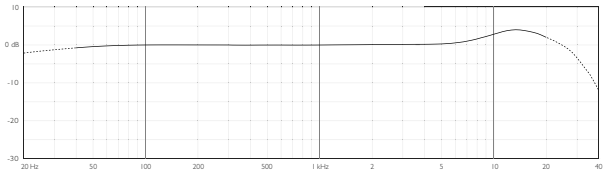
Connector

MicroDot, TA4F Mini-XLR, 3-pin LEMO,
Mini-Jack

Color

Black, beige, brown and white

Frequency response



Typical frequency response.



Warranty

Miniature Microphones are covered by a two-year limited warranty.

Service & repair

If you are not satisfied with the characteristics exhibited by this product, please contact your nearest DPA Microphones representative for support.

CE marking

This product conforms to all relevant directives approved by the European Commission.

Product features and specifications are subject to change without notice.



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