

DPA
MICROPHONES



6066 CORE Subminiature Headset

Introduction

6066 CORE Subminiature Headset Microphones provide a natural and open sound. Ultra-lightweight and adjustable, these headset mics ensure a secure and comfortable fit in live performance environments. To ensure optimal performance, please follow the simple instructions in this manual.

The 6066 sports a completely redesigned, lightweight, one-size-fits-all headset. It uses 3-point ear grips with spring mechanisms that attach over the ears, grip below the ears and press gently inwards behind the ears for added security and comfort. A 2-way adjustable boom system (length and height) with an anti-rotate mechanism makes this new headset very easy to fit. A new 90° cable management system safeguards the cable and directs it down the wearer's back, where it can't be seen.

The 6066 CORE Subminiature Headset is IP58 certified. This durability is achieved through a number of defense mechanisms. Water-repellant nano-coating of the cover and housing, hermetic sealing of the sensitive amplifier at the core of the microphone and dual gold plating of the diaphragm ensure maximum stability and performance under the toughest environmental conditions.

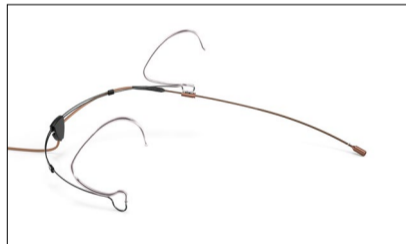
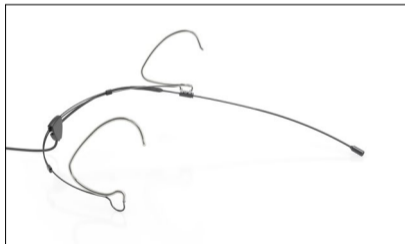
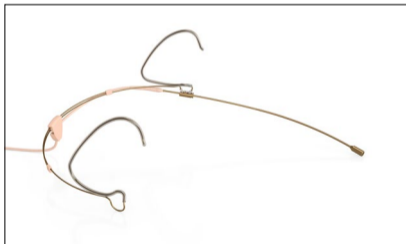


IP 58
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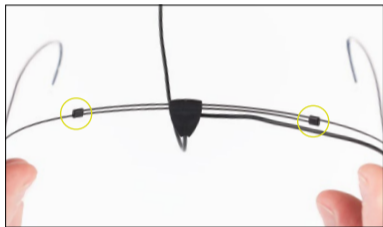
core
by DPA

Advanced mechanical construction

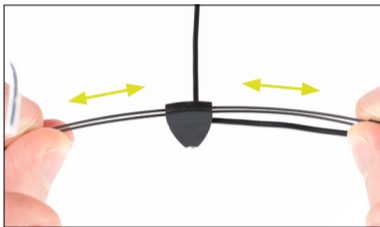
The new one-size-fits-all headset is the most advanced construction on the market. It ensures comfort, even during long-term wear, but does so without sacrificing security. Its form grips gently and snugly around the head and is easily adjustable. The spring mechanisms that grip around the ears are gentle, yet firm enough to feel secure during a performance. The headset can also be customized on site to suit individual performers for a perfect fit.



Adjusting frame size

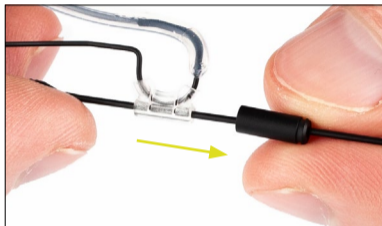


The frame is one-size-fits-all with a simple adjustment mechanism for quick and easy resizing. Move the 'frame guides' to adjust the size.



Moving the guides towards each other will enlarge the frame and moving them away from each other will make it smaller.

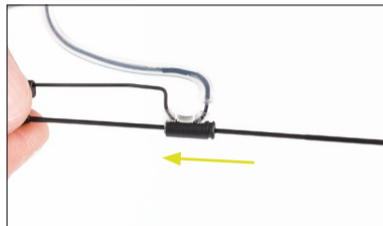
Adjusting boom length



Release the sliding lock by gently pulling it away from the ear grip. There is a recess for your fingernail to help you get a grip on the lock.

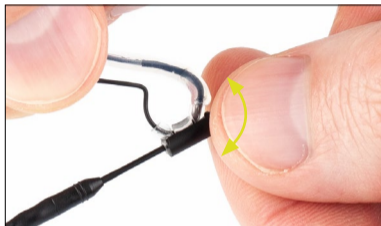
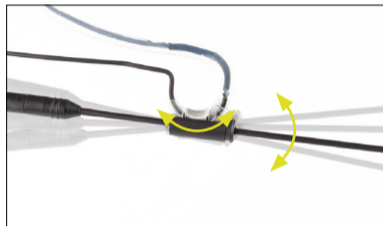


Gently pull (to shorten) or push (to lengthen) the boom pole to the desired position.



Move the sliding lock back on the ear grip to secure the desired position. The boom is now locked firmly in position.

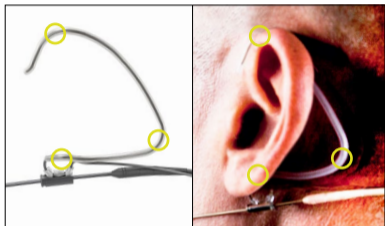
Adjusting boom height



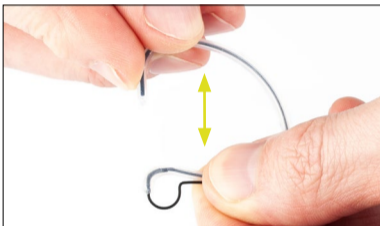
The boom pole can be pivoted up and down at a fixed point below the ear (without bending the boom).

While holding the frame in one hand, gently move the boom pole up or down with your other hand.

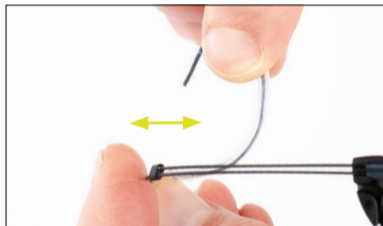
Adjusting ear grips



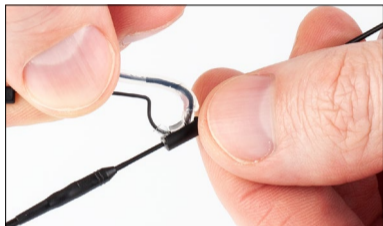
This headset relies on a 3-point ear gripping system – adding a support area behind the ear pressing gently inward.



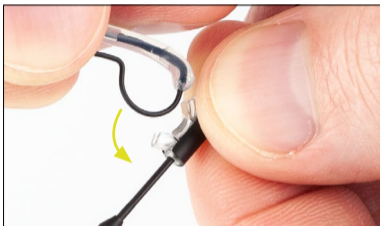
To adjust the ear grips further, press and gently bend them.



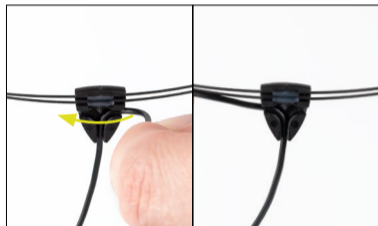
Flip boom (left to right side)



Detach the boom pole from the ear grip by gently pulling the boom down

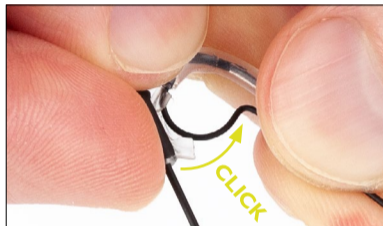


(starting at the back and tipping forward).

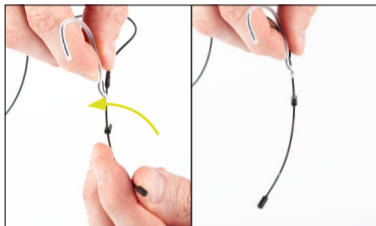


Move the cable to the other side of the cable guide.

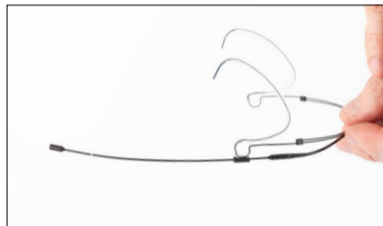
Flip boom



Move the boom pole to the other side and reattach it by gently pushing up (starting at the back and tipping forward) until it clicks onto the ear grip.



Release the sliding lock and turn the boom pole 180° (so it bends inwards towards the face) by twisting it near the ear grip. Please note that the boom is

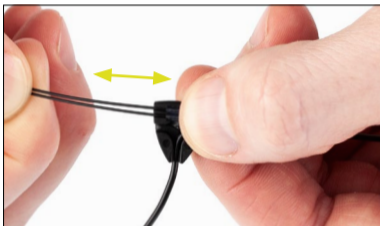


oval and can only be locked in two positions – left- or right-angled. Move the sliding lock back on the ear grip.

90° Cable management system



The cable guide can be used to move the cable out of sight (for instance, hidden from the main camera).



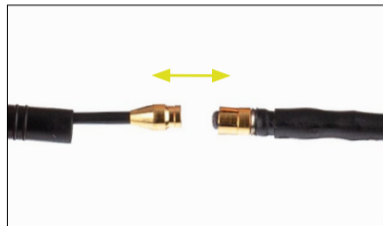
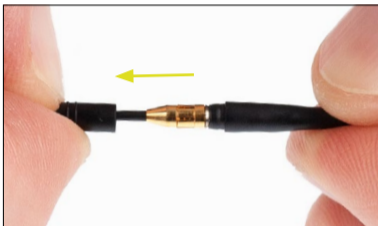
The cable guide can be moved from left to right on the frame



– just make sure the cable isn't pulled too tight when you slide the guide.

Disconnecting the service connector

For service purposes only!

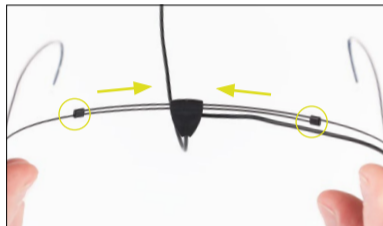


For service purposes (replacing boom or cable) disconnect the cable from the boom at the service connector.

First remove the protective cover and

– then firmly pull the metal parts from each other at the seam.

Placement of microphone



We suggest that you expand the frame and then place it on your head before adjusting it to the correct size.



The microphone capsule is correctly positioned when it sits close to (but not touching) your face, at the corner of your smile.

DUA9531-B



DUA9531-F



(3 pcs. of relevant color included)



DUA9501 (included)

The enclosed windscreens offer additional protection against wind and pop noise. Gently place the windscreen over the microphone head.

Specifications

Directional pattern

Omnidirectional

Cartridge type

Pre-polarized condenser

Frequency response

20 Hz - 20 kHz

Sensitivity, nominal ± 2.4 dB at 1 kHz

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

Equivalent noise level, A-weighted

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

Distortion, THD < 1%

125 dB SPL RMS, 128 dB SPL peak

Max. SPL, THD 10%

144 dB

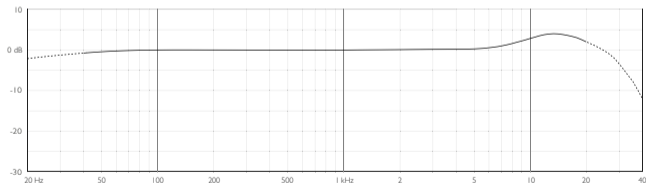
Connector

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

Color

Black, beige or brown

Frequency response

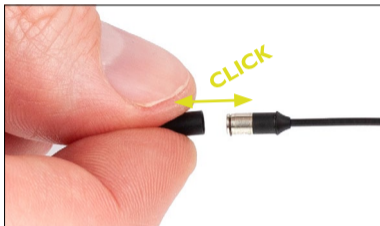


Typical frequency response of a 6066

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.



The orange, protective cap shields the mic head when putting on make-up, hairspray, etc. Remove this cap before use.

The cable is usually longer than required. Make sure that excessive cable is wound up in soft figure-of-eight loops (preferably 6-8 cm (2.5-3 in) diameter) and avoid kinks in the cable.

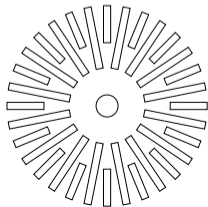
Use organic oil (e.g. olive oil) or lukewarm distilled water to remove residue from tape, glue or makeup on the cable. Do not bend the cable or rub it harshly, it may stress the inner cores of the cable and cause them to break over time.

The headset microphone is resistant to high levels of humidity and water. For optimal 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 only be done 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





Warranty

Headset 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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