

Air Traffic Control

HME 46
HMD 46

Instructions for use



HMD 46 / HME 46

The HMD 46 / HME 46 headset features dynamic, open headphones. The noise-compensating microphone ensures excellent speech transmission even in noisy environments. Designed for air traffic control, intercom systems and other communication purposes.

Features

- Extremely lightweight
- Extremely comfortable to wear due to the patented two-piece automatic headband and soft ear pads
- ActiveGard™ safeguards you from the effects of an acoustic burst
- “Flip-away” headphone allows single-sided listening
- Flexible microphone boom, can be worn on either left or right-hand side
- Noise-compensating microphone ensures excellent speech transmission
- Single-sided cable, easy to exchange
- PTT button integrated in the cable (HMD 46-3PTT-x and HME 46-3PTT-x only)

Note

Store the headset in a dry, dust-free environment.

Delivery includes

- HMD 46 / HME 46 headset
- Cable clip (except HME 46-ATC)
- Wind and pop screen
- Instructions for use

Operation

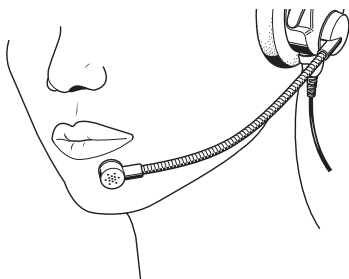
Putting on the headset

When putting on the headset, the patented two-piece headband adjusts automatically.



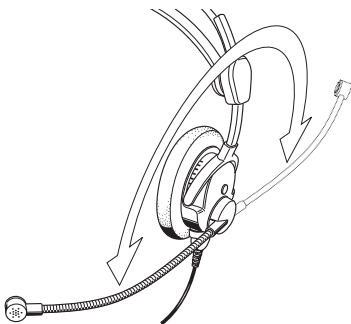
Positioning the microphone

Bend the flexible microphone boom so that the microphone is placed at the corner of the mouth. Maintain a distance of approx. 2 cm between microphone and mouth.



Turning the microphone boom

The microphone boom can be rotated. This allows the headset to be worn with the microphone boom positioned on either the left or right-hand side of the head.



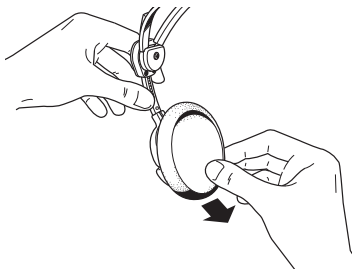
Flipping away one earcup

The headset features a “flip-away” earcup for single-sided listening.



Replacing the ear pads

Grasp the edge of the foam earpad behind the earcup as shown and peel it up and away from the earcup. Slide the new earpad onto the earcup. Repeat for the other earcup.



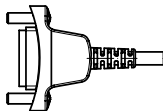
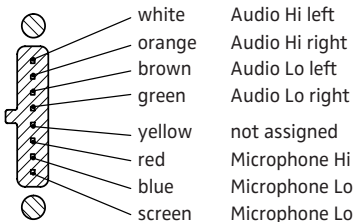
Accessories and spare parts

- Cable -6 Cat. No. 500836
- Cable -PTT-6 Cat. No. 500844
- Cable -PTT-L Cat. No. 500845
- Cable -PTT-LA Cat. No. 502187
- Cable D-3PTT-M Cat. No. 500930
- Cable E-3PTT-M Cat. No. 500931
- Cable clip Cat. No. 044740
- Earpads (1 pair) Cat. No. 515295
- Earpads (100 items) Cat. No. 515296
- Wind and pop screen Cat. No. 515297
- Wind and pop screen (100 items) Cat. No. 515298
- Headband padding (1 pair) Cat. No. 515629

Product variants

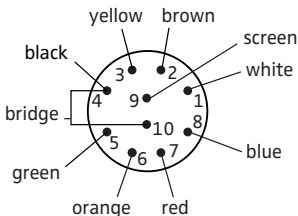
Variant (Cat. No.)	Microphone type	Single-sided round cable
HMD 46-3 (500849)	Dynamic mic	–
HMD 46-3-6 (500466)	Dynamic mic	with open ends, length 1.85 m
HMD 46-3PTT-M (500873)	Dynamic mic	with PTT button and mini DIN plug, length 1.85 m
HME 46-3 (500857)	Condenser mic	–
HME 46-3-6 (500467)	Condenser mic	with open ends, length 1.85 m
HME 46-3PTT-M (500874)	Condenser mic	with PTT button and mini DIN plug, length 1.85 m
HME 46-3PTT-6 (500468)	Condenser mic	with PTT button and open ends, length 1.85 m
HME 46-3PTT-L (500469)	Condenser mic	with LEMO connector FFP.3S.310.CLA.252A, length 1.85 m
HME 46-3PTT-LA (502172)	Condenser mic	with LEMO connector FHG.2B.310.CLAD52Z, length 1.85 m
HME 46-ATC (500851)	Condenser mic	with LEMO connector FFP.3S.310.CLA.252A, length 2 m

Headset connection



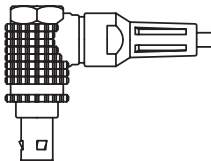
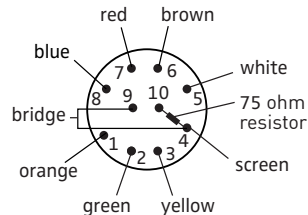
Connector assignment HME 46-3PTT-L

Solder side

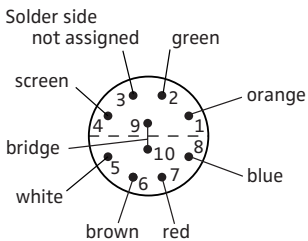


Connector assignment HME 46-3PTT-LA

Solder side



Connector assignment HME 46-ATC



Specifications

HMD 46

Headphones

Transducer principle	dynamic, open
Ear coupling	supra-aural
Frequency response	20–14,000 Hz
Impedance	300 Ω per system
Characteristic SPL	98 dB SPL at 1 kHz, 1 mW 86 dB SPL at 1 kHz, 1 V
THD	< 1 % at 95 dB SPL (300–3,000 Hz)
Contact pressure	approx. 3 N

Microphone

Type	MD 46-413
Transducer principle	dynamic, noise-compensating
Frequency response	100–12,000 Hz
Output voltage	0.5 mV/Pa
Min. terminating impedance	200 Ω

General data

Temperature range	Operation: -15 °C to 55 °C Storage: -55 °C to 70 °C
Weight without cable	150 g

Specifications

HME 46

Headphones

Transducer principle	dynamic, open
Ear coupling	supra-aural
Frequency response	20–14,000 Hz
Impedance	300 Ω per system
Characteristic SPL	98 dB SPL at 1 kHz, 1 mW 86 dB SPL at 1 kHz, 1 V
THD	< 1 % at 95 dB SPL (300–3,000 Hz)
Contact pressure	approx. 3 N

Microphone

Type	MKE 46
Transducer principle	pre-polarized condenser microphone, noise-compensating
Frequency response	350–6,000 Hz
Output voltage	400 mV at 114 dB SPL adjustable from 17–100 mV 40 mV/Pa
Min. terminating impedance	150–2,200 Ω
Supply voltage	8–16 V DC

General data

Temperature range	Operation: –15 °C to 55 °C Storage: –55 °C to 70 °C
Weight without cable	150 g

Warranty

The guarantee period for this Sennheiser product is 24 months from the date of purchase. Excluded are accessory items, rechargeable or disposable batteries that are delivered with the product; due to their characteristics these products have a shorter service life that is principally dependent on the individual frequency of use.


The guarantee period starts from the date of original purchase. For this reason, we recommend that the sales receipt be retained as proof of purchase. Without this proof (which is checked by the responsible Sennheiser service partner) you will not be reimbursed for any repairs that are carried out.

Depending on our choice, guarantee service comprises, free of charge, the removal of material and manufacturing defects through repair or replacement of either individual parts or the entire device. Inappropriate usage (e.g. operating faults, mechanical damages, incorrect operating voltage), wear and tear, force majeure and defects which were known at the time of purchase are excluded from guarantee claims. The guarantee is void if the product is manipulated by non-authorised persons or repair stations.

In the case of a claim under the terms of this guarantee, send the device, including accessories and sales receipt, to the responsible service partner. To minimise the risk of transport damage, we recommend that the original packaging is used. Your legal rights against the seller, resulting from the contract of sale, are not affected by this guarantee. The guarantee can be claimed in all countries outside the U.S. provided that no national law limits our terms of guarantee.

Manufacturer Declarations

Approval

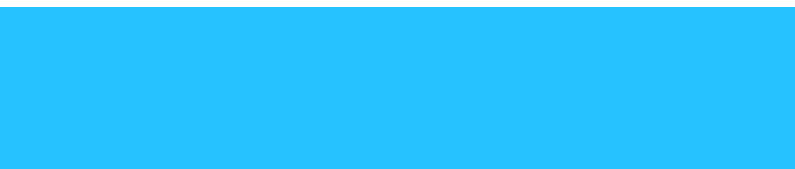
 Sennheiser electronic GmbH & Co. KG declare that this device is in compliance with the applicable CE standards and regulations.

WEEE Declaration



Please dispose of this product by bringing it to your local collection point or recycling centre for such equipment.





Sennheiser electronic GmbH & Co. KG
30900 Wedemark, Germany
Phone +49 (5130) 600 0
Fax +49 (5130) 600 300
www.sennheiser.com