

# HME 43-K

Bedienungsanleitung  
Instructions for use  
Notice d'emploi  
Istruzioni per l'uso  
Instrucciones para el uso  
Gebruiksaanwijzing

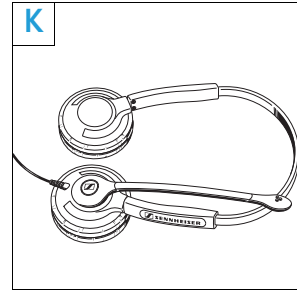
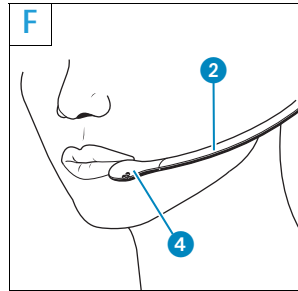
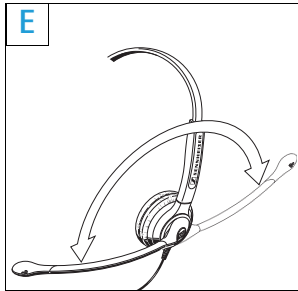
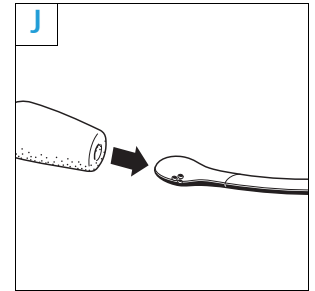
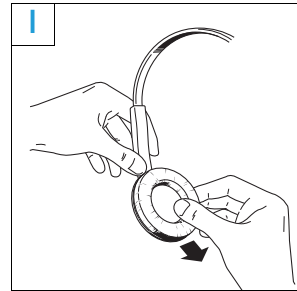
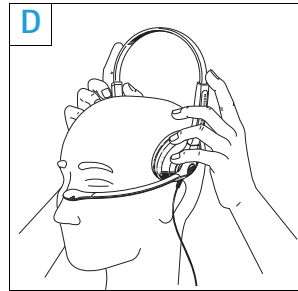
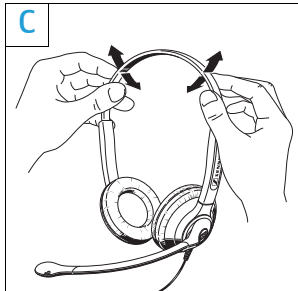
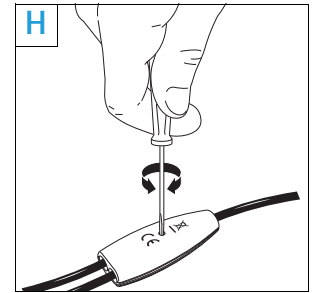
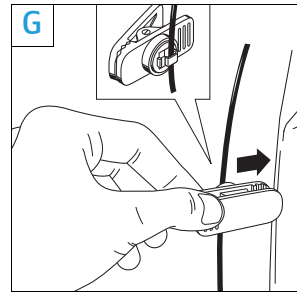
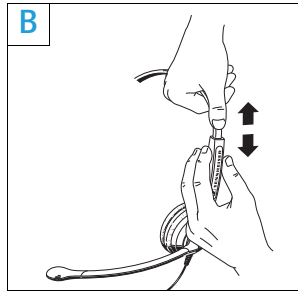
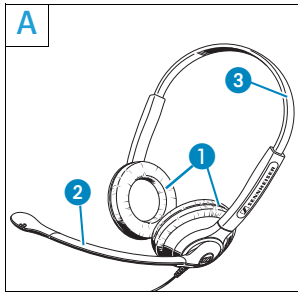


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# The HME 43-K headset

The HME 43-K is a closed pilot's headset with a noise-compensating microphone, designed for use in jet aircraft.

The HME 43-K features an ultra-lightweight design with excellent ergonomic properties, replaceable leatherette earpads and a double-sided, adjustable padded headband. The leatherette earpads are extremely comfortable.

The HME 43-K headset has two separate connectors – one for the microphone and one for the headphones. The microphone can be worn on either the left or right-hand side and ensures excellent speech transmission.

## Delivery includes

Delivery of the HME 43-K includes:

- A 1 Headset with earcups ①, microphone boom ② and headband ③
  - 1 Cable clip
  - 1 Carrying bag
  - 2 Foam earpads
  - 1 Wind screen

# Safety instructions

- Please read these instructions carefully and completely before using the headset.
- Make these instructions easily accessible to all users at all times. Always include these instructions when passing the headset on to third parties.
- Never repair or attempt to repair a defective headset yourself. Contact your local Sennheiser agent or the Sennheiser Service Department.
- Protect the headset from humidity and dust.

## Intended use of the headset

Intended use includes:

- having read these instructions especially the chapter "Safety instructions".
- using the headset in jet aircraft and within the operating conditions as described in these instructions.

## Improper use

Improper use means use of the headset other than as described in these instructions or when you use it under operating conditions which differ from those described in these instructions.

# Putting the headset into operation

## Connecting the headset

Connect the 1/4" (6.35 mm) stereo jack plug (PJ 055) for the headphones and the PJ 068 jack plug (5.25 mm) for the microphone to the corresponding jack sockets of your intercom.

## Wearing the headset

The letters refer to the diagrams on the cover page.

- B** Adjust the length of the headband to fit your head size or shape. The earpads should exert a slight pressure on the ears.
- C** Holding the headset with two hands, carefully bend the headband to adjust it to a snug but comfortable fit.
- D** Put the headset on.
- E** Turn the microphone boom towards the mouth.
- F** Bend the flexible microphone boom **2** so that the microphone **4** is placed at the corner of the mouth. Maintain a distance of approx. 1 cm between microphone and mouth.
- G** Affix the headset cable to the clothing by means of the supplied cable clip. Attach the cable clip so that you can move your head freely.

## Adjusting the volume

Adjust the volume directly on the intercom.

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**ATTENTION!** High volume!



This headset is capable of producing high sound pressure levels. Higher volumes or longer durations can damage your hearing!

Set the volume to a medium level. Make sure that you can hear critical sounds such as warning alarms.

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## Adjusting the microphone sensitivity

- H** The microphone sensitivity has been factory pre-set. If necessary, you can change the microphone sensitivity by turning a small screwdriver in the direction of the arrow.

# Care and maintenance

## Cleaning the headset

Use a soft, slightly damp cloth to clean the headset from time to time. If necessary, the headset can be cleaned with soapy water (use a mild cleanser such as a detergent).

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**ATTENTION!** Water can damage the electronics of the unit!



Water entering the housing of the headset can cause a short-circuit and damage the electronics.

Only use a slightly damp cloth to clean the headset. Do not use any solvents or cleansing agents.

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## Replacing the earpads

For reasons of hygiene, the earpads should be replaced from time to time.

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

## Replacing the wind screen

If the wind screen shows signs of wear such as tears or holes, replace the wind screen.

- J Pull the wind screen from the microphone. Gently slide on the new wind screen and ensure that it fits securely over the microphone.

## Storage and transportation

- K Turn the microphone into the position shown on the diagram. Rotate the earcups by 90°. Use the supplied carrying bag for storage and transportation.

## If problems occur ...

Problem	Possible cause	Possible solution
You cannot communicate via the intercom.	The microphone connection has been pulled out.	Check if the microphone jack plug is connected correctly.
	The microphone sensitivity is adjusted too low.	Increase the microphone sensitivity (see "Adjusting the microphone sensitivity" on page 4).



# Accessories

Cable clip	Cat. No. 091551
Leatherette ear pads	Cat. No. 091532
Foam ear pads	Cat. No. 091529
Wind screen	Cat. No. 091540
Carrying bag	Cat. No. 092818

## Specifications

### General data

Model	HME 43-K
Connection cable	single-sided round cable, length 1.85 m
Connectors	1/4" (6.35 mm) stereo jack plug (PJ 055) for headphones, wired mono PJ 068 jack plug (5.25 mm) for microphone
Weight without cable	approx. 95 g
Storage temperature	-55° C to +70° C
Operating temperature	-5° C to +45° C

## Headphones

Transducer principle	dynamic
Frequency response	200 Hz to 6,000 Hz
Sound pressure level	101 dB SPL at 1 kHz/ 1 mW 103 dB SPL at 1 kHz/ 1 V
Ear coupling	supra-aural, closed
THD	< 1 % at 110 dB SPL/1 kHz
Contact pressure	approx. 1.5 N
Nominal impedance	600 $\Omega$
Size of earcups	$\varnothing$ 51 mm

## Microphone

Transducer principle	pre-polarized condenser, noise compensating
Frequency response	400 Hz to 4,500 Hz
Output voltage	170 mV/Pa; adjustable from 40 to 500 mV/Pa
Supply voltage	8 to 16 V DC
Current consumption	typ. 10 mA at 8 V

# Manufacturer Declarations

## Warranty regulations

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-authorized 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 ([www.sennheiser.com](http://www.sennheiser.com)). 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.



## CE Declaration of Conformity

This equipment is in compliance with the essential requirements and other relevant provisions of Directive 89/336/EC. The declaration is available on the internet site at [www.sennheiser.com](http://www.sennheiser.com).

Before putting the device into operation, please observe the respective country-specific regulations!