SENNHEISER

HME 43-3
HME 43-3S

Instruction manual

Safety instructions

- Please read this instruction manual carefully and completely before using the headset.
- Make this instruction manual easily accessible to all users at all times.
- Always include this instruction manual when passing the headset on to third parties.
- The headset is capable of producing sound pressure levels exceeding 85 dB(A). In many countries 85 dB(A) is the maximum legally permissible level for continuous noise exposure during the working day. Exposure to sounds of higher volume levels or for longer durations can permanently damage your hearing!
- Never repair or attempt to repair a defective headset yourself. Contact your Sennheiser agent or the Sennheiser Service Department.
- Only replace those parts of the headset whose replacement is described in this manual. All other parts of the headset must be replaced by your Sennheiser agent.
- Protect the headset from wetness. Use only a slightly damp cloth to clean the headset. For information on how to clean the headset, contact your Sennheiser agent.

Intended use of the headset

Intended use includes:

- having read this instruction manual especially the chapter “Safety instructions”.
- using the headset within the operating conditions as described in this instruction manual.

Improper use means using the headset other than as described in this instruction manual, or under operating conditions which differ from those described herein.

The HME 43-3/HME 43-3S headset

The HME 43-3/HME 46-3S headset features dynamic headphones. The noise-compensating microphone ensures excellent speech transmission even in noisy environments. Designed for air traffic control and other communication purposes.

Features:

- Extremely lightweight
- Extremely comfortable to wear due to the patented two-piece automatic headband and soft earpads
- ActiveGard™ safeguards you from the effects of an acoustic burst
- Flexible microphone boom, can be worn on either left or right-hand side
- Noise-compensating microphone ensures excellent speech transmission

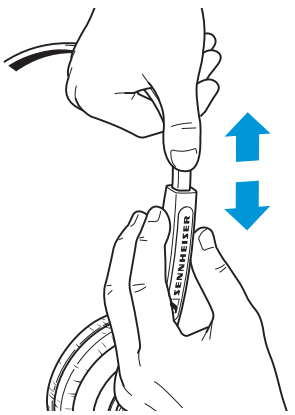
Delivery includes

1 HME 43-3/HME 43-3S headset
1 cable clip
1 carry bag
2 foam earpads HME 43-3
1 foam earpad HME 43-3S
1 wind and pop screen
1 instruction manual

Operation

Wearing the headset

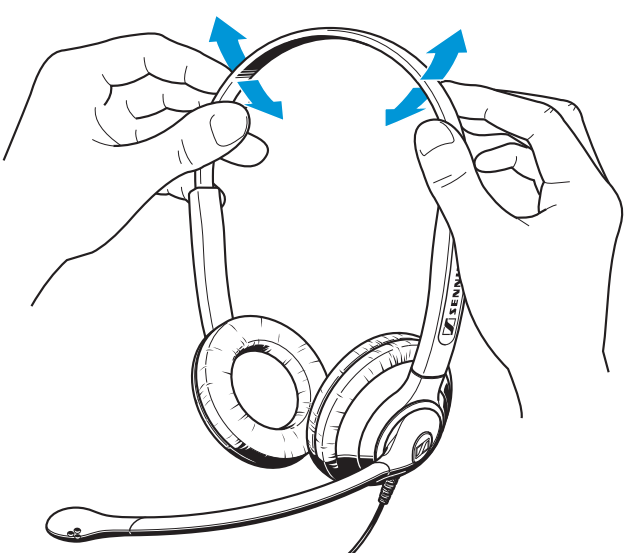
- Adjust the length of the headband to fit your head size or shape.



Note:

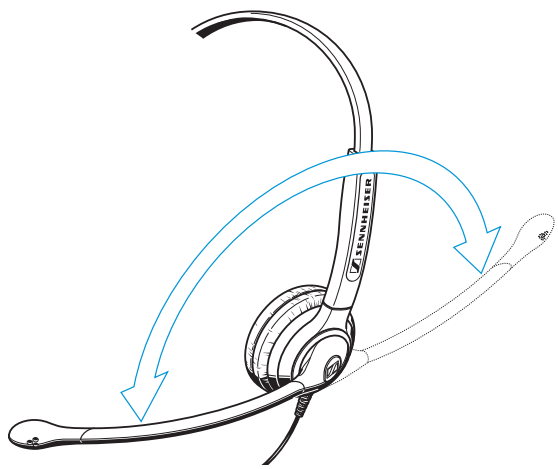
The earpads should exert a slight pressure on the ears.

- Holding the headset with two hands, carefully bend the headband to adjust it to a snug but comfortable fit.



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.

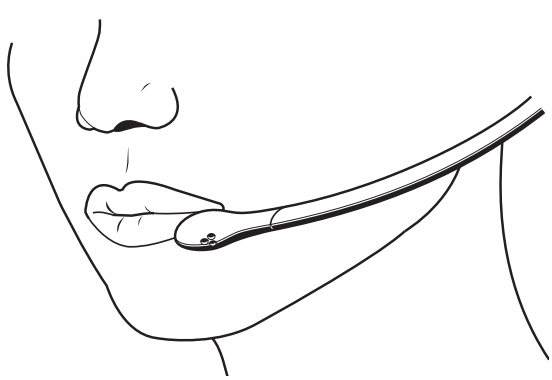


Positioning the microphone

- Bend the flexible microphone boom so that the microphone is placed at the corner of the mouth.

  ### Note:

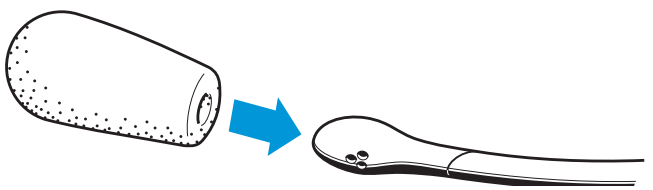
  Maintain a distance of approx. 2 cm between microphone and mouth.



Replacing the wind screen

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

- Pull the wind screen from the microphone.
- Gently slide-on the new wind screen.



Notes:

- In order to avoid pop noise, always use the microphone with the supplied wind and pop screen!
- Ensure that the wind screen fits securely over the microphone.

Adjusting the volume directly on the audio system

- Connect the headset to the corresponding sockets of your audio system. Adjust the volume directly on the audio system.

CAUTION! Hearing damage due to high volumes!

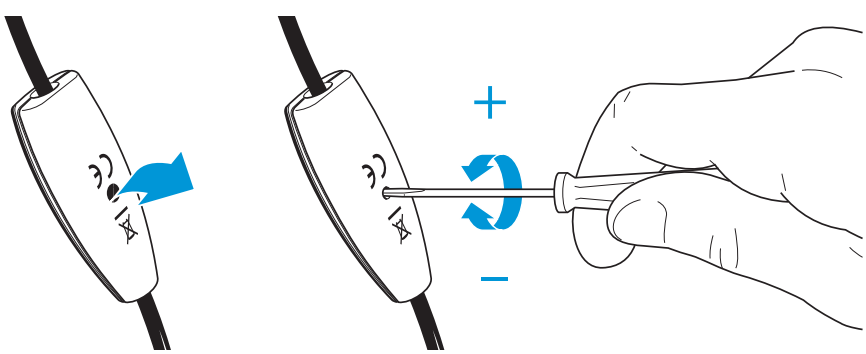
This headset is capable of producing high sound pressure levels. Higher volumes or longer durations can damage your hearing!

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

Adjusting the microphone sensitivity

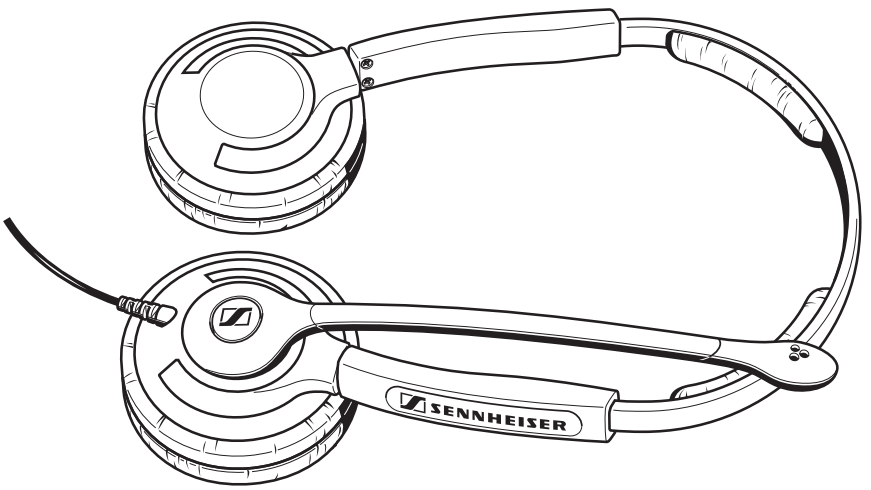
The microphone sensitivity has been factory pre-set to 300 mV/Pa.

- Remove the sticker as shown in the diagram.
- Change the microphone sensitivity by turning a screwdriver in the direction of the arrow.



Storage and transportation

- Turn the microphone into the position shown in the diagram. Rotate the earcups by 90°.



- Use the supplied carrying bag for storage and transportation.

Care and maintenance

Cleaning the headset

Use a soft, slightly damp cloth to clean the headset from time to time. If the headset is very dirty, use a cloth dampened with mild, soapy water.

CAUTION! Danger of short-circuit due to the ingress of water!

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

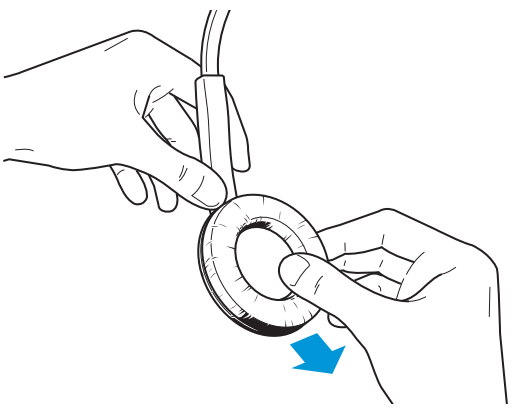
- Use only a slightly damp cloth to clean the headset. Do not use any solvents or cleansing agents.

Replacing the earpads

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

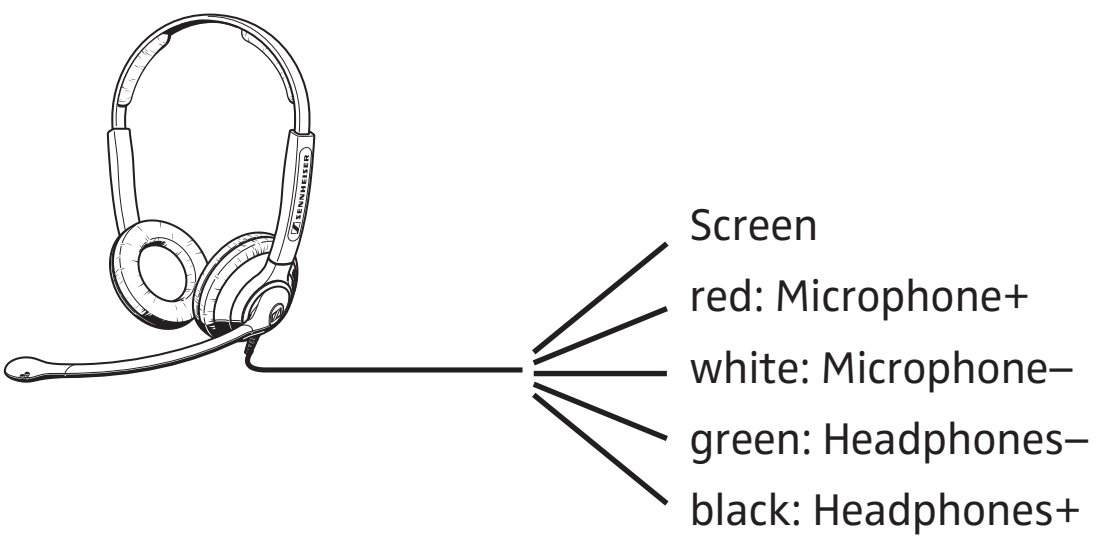
CAUTION! If you pull too sharply, or jerk them, you may damage the new earpads.

- 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.



Cable assignment

Headset connector



Product variants

Variant (Cat. No.)	Description	Single-sided round cable
HME 43-3 502148	Headset with condenser mic	with open ends, length 1.90 m
HME 43-3S 502593	Single-sided headset with condenser mic	with open ends, length 1.90 m

Accessories

Cable clip	Cat. No. 091551
Leatherette earpads	Cat. No. 091532
Foam earpads	Cat. No. 091529
Wind screen	Cat. No. 091540
Carry bag	Cat. No. 517619
Headband padding (1 pair)	Cat. No. 529726
Temple support (HME 43-3S only)	Cat. No. 532729

Specifications

General data

Model	HME 43-3	HME 43-3S
Connection cable	single-sided round cable, length 1.90 m	
Weight without cable	approx. 95 g	
Operating temperature	–5 °C to +45 °C	
Storage temperature	–55 °C to +70 °C	

Headphones

Transducer principle	dynamic	
Frequency response	100 Hz to 6,000 Hz	
Sound pressure level		
at 1 kHz/1 mW	94 dB SPL	103 dB SPL
at 1 kHz/1 V	102 dB SPL	107 dB SPL
Max. SPL (ActiveGard™)		
at 1 kHz	116 dB SPL	110 dB SPL
Ear coupling	supra-aural, closed	
THD		
at 1 kHz	< 1% at 105 dB SPL	< 1% at 102 dB SPL
Contact pressure	approx. 1.5 N	
Nominal impedance	150 Ω mono	300 Ω mono
Size of earcups	∅ 51 mm	

Microphone

Model	BKE 43
Transducer principle	pre-polarized condenser, noise compensating
Frequency response	400 Hz to 4,500 Hz
Output voltage	300 mV/Pa at a distance of approx. 2 cm (1") between microphone and mouth (factory pre-set); adjustable from 40 to 500 mV/Pa
Supply voltage	8 to 16 V DC
Terminating impedance	150 to 2,200 Ω

SENNHEISER

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