

Broadcast

**HMD 26-II**  
**HMDC 26-II**  
**HME 26-II**  
**HD 26 PRO**



Instruction manual

# Important safety instructions

- Please read this instruction manual carefully and completely before using the product.
- Make this instruction manual easily accessible to all users at all times.
- Always include this instruction manual when passing the product on to third parties.
- The product 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 product yourself. Contact your Sennheiser partner or the Sennheiser Service Department.
- Only replace those parts of the product whose replacement is described in this instruction manual. Only use attachments, accessories or spare parts specified by Sennheiser. All other parts of the product must be replaced by your Sennheiser agent.
- Protect the product from humidity. Use only a dry cloth to clean the product. For information on how to clean the headset, contact your Sennheiser partner.

### Intended use

Intended use includes :

- having read and this instruction manual, especially the chapter "Important safety instructions".
- using the product within the operating conditions and limitations described in this instruction manual.

### Improper use

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

## The 26-II headset series and the HD 26 PRO headphones

The HMD 26-II/HME 26-II/HMDC 26-II headsets and the HD 26 PRO headphones feature dynamic, closed headphones. The noise-compensating microphone of the HMD 26-II and HMDC 26-II ensures excellent speech transmission even in noisy environments.

The headsets have been designed for broadcast use, e.g. for outdoor broadcast or broadcast van applications. The HMDC 26-II features NoiseGard™ professional active noise compensation. The HME 26-II is available with an omni-directional or a cardioid microphone, making it suitable for either outdoor or studio use.

### Features

- Lightweight
- Extremely comfortable to wear, even for extended listening, due to the patented two-piece automatic headband and soft ear pads
- ActiveGard™ (switchable) safeguards you from volume peaks above 105 db (HME 26-II/HMD 26-II/HD 26 PRO)
- NoiseGard™ professional active noise compensation reduces ambient noise by up to 18 db (HMDC 26-II)
- “Flip-away” headphone allows single-sided listening

- Detailed, linear sound reproduction for demanding applications
- Flexible microphone boom, can be worn on either left or right-hand side
- Noise-compensating dynamic microphone ensures excellent speech transmission (HMD 26-II/HMDC 26-II)
- Omni-directional condenser microphone with extremely linear frequency response (HME 26-II)
- Single-sided cable, easy to replace

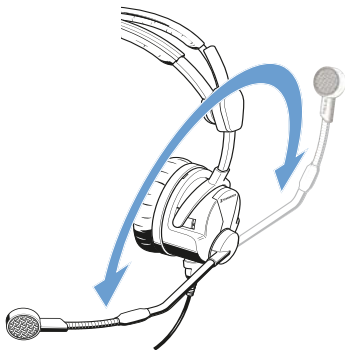
## Package contents

- 1 HMD 26-II / HME 26-II / HMDC 26-II / HD 26 PRO
- 1 cable clip
- 1 wind and pop screen (except HD 26 PRO)
- 1 headband padding, large
- 1 instruction manual

# Operation

## Turning the microphone boom

The microphone boom can be rotated, allowing the microphone to be worn on the left or right-hand side of the head.



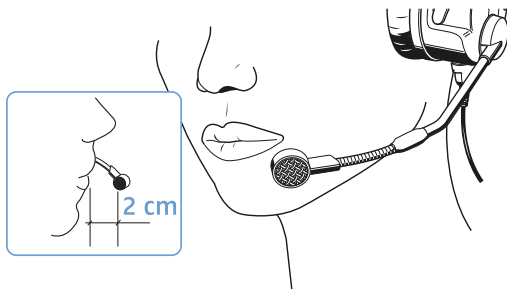
## Putting on the headset

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 2 cm between microphone and mouth. Always use the supplied wind and pop screen.



**i** Do not position the microphone directly in front of your mouth as it will pick up your breathing and plosive noises from your mouth. In addition, moisture can adversely affect the sound and performance of your microphone.

When attaching the sound inlet basket, make sure that it locks into place with an audible click.

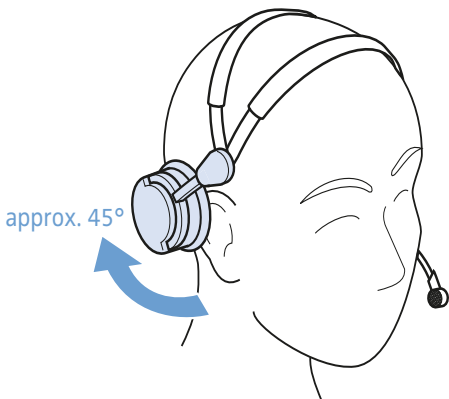


Make sure not to cover the sound inlet.



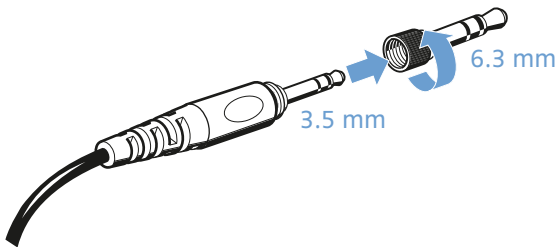
### Flipping away one ear cup

The headset's "flip-away" ear cup can be flipped backwards by approx. 45°, allowing for singled-sided listening.



### Connecting the HD 26 PRO headphones to the audio system

- ▶ If necessary, screw the screw-on adapter for 1/4" (6.3 mm) jack plug onto the 3.5 mm jack plug.





### Adjusting the volume 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!

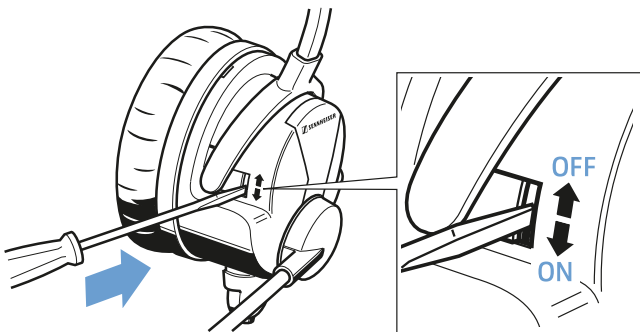
- ▶ Set the volume to a medium level. Make sure that you can hear critical environmental sounds.
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### Switching ActiveGard™ on and off (HME 26-II/HMD 26-II/HD 26 PRO)

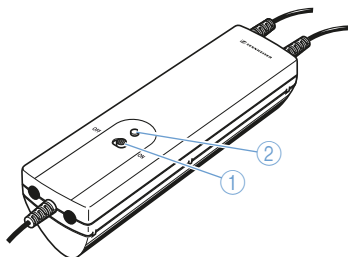
ActiveGard™ safeguards your ears from volume peaks above 105 db, which can be transmitted via the audio system or radio equipment.

- ▶ Slide the switch for the ActiveGard™ function to the desired position by using a pointed object:

Position	Function
up	ActiveGard™ is switched off (factory default setting).
down	ActiveGard™ is switched on.



### Control unit for HMDC 26-II in conjunction with cable -B-7



- ① NoiseGard™ ON/OFF switch
- ② LED

### Switching NoiseGard™ on and off (HMDC 26-II)

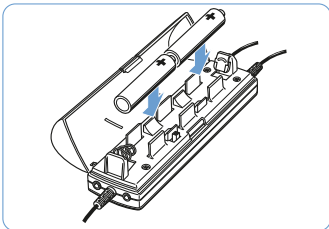
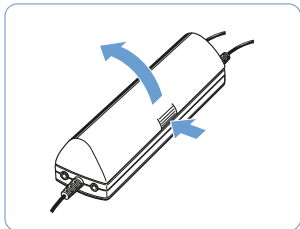
The NoiseGard™ ON/OFF switch ① allows you to switch the NoiseGard™ active noise compensation on or off. With NoiseGard™ switched off, the headset can be used as a conventional headset.

- ▶ Set the NoiseGard™ ON/OFF switch ① to the desired position:

Position	Function
ON	NoiseGard™ is switched on. The LED ② lights up, indicating the battery charge status.
OFF	NoiseGard™ is switched off. The LED ② is off.

### Powering NoiseGard™ via two (rechargeable) batteries

- ▶ Insert two 1.5 V AA alkaline batteries (IEC LR 6) or two 1.2 V AA rechargeable batteries (IEC LR 6). Observe correct polarity when inserting the batteries.



The operating time with batteries/rechargeable batteries is approx. 60 hours. With NoiseGard™ switched on, the LED ② provides information on the remaining battery/rechargeable battery capacity:

LED ②	Meaning
lights up yellow	The battery capacity is sufficient.
lights up red	The batteries are flat. Replace the batteries.

# Care and maintenance

## Cleaning and maintaining the headset

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### CAUTION

#### Liquids can damage the product!

Liquids entering the product can short-circuit the electronics or damage the mechanics. Solvents or cleansing agents can damage the surface of the product.

▶ Keep all liquids far away from the product.

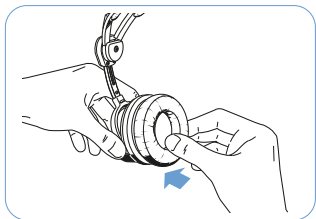
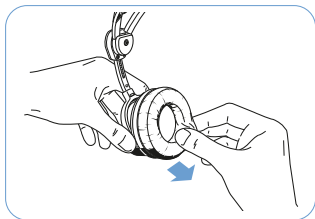
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▶ Only use a soft, dry cloth to clean the product.

### Replacing the ear pads

For reasons of hygiene, you should replace the ear pads annually.

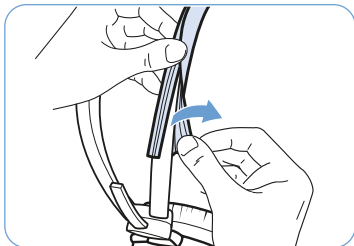
- ▶ Grasp the edge of the ear pad and pull sharply.
- ▶ Attach the new ear pad to the ear cup by pressing firmly around the ear pad until you hear all 12 latches lock into place.



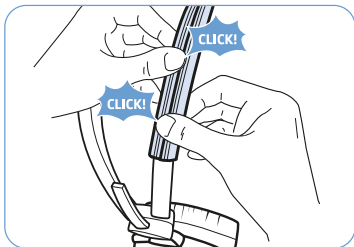
## Replacing the headband paddings

For reasons of hygiene, you should replace the headband paddings at least once annually.

- ▶ Pull the Ziploc type fastening strips of the old headband paddings apart.



- ▶ Put the new headband paddings around the headbands.
- ▶ Attach the new headband paddings by joining the fastenings strips.  
The tongue and groove of the fastening strips click into place.



### Cleaning the sound inlet basket

- ▶ Carefully pull the sound inlet basket from the capsule.
- ▶ Moisten a small brush (bristle brush or toothbrush) with isopropyl alcohol.
- ▶ Carefully brush off the sound inlet basket.
- ▶ Allow the sound inlet basket to air dry for approx. 1 hour so that the remaining isopropyl alcohol can evaporate.



- ▶ Reattach the sound inlet basket to the capsule so that it locks into place with an audible click.



When attaching the sound inlet basket, make sure not to cover the sound inlet.



# Specifications

## HMD 26-II-600/-600S/-100

### Headphones

Transducer principle	dynamic, closed
Ear coupling	supra-aural
Frequency response	20 to 18,000 Hz
Impedance	HMD 26-II-600: 300 $\Omega$ mono/600 $\Omega$ stereo HMD 26-II-600S: 600 $\Omega$ mono HMD 26-II-100: 50 $\Omega$ mono/100 $\Omega$ stereo
Characteristic SPL	ActiveGard™ switched on: 105 dB SPL at 1 kHz, 1 mW ActiveGard™ switched off: HMD 26-II-600/-600S: 107 dB SPL at 1 kHz, 1 V HMD 26-II-100: 115 dB SPL at 1 kHz, 1 V
Max. SPL	ActiveGard™ switched on: 105 dB SPL at 1 kHz ActiveGard™ switched off: HMD 26-II-600/-600S: 127 dB SPL at 1 kHz, 200 mW HMD 26-II-100: 128 dB SPL at 1 kHz, 200 mW
THD	< 0,5% at 1 kHz
Contact pressure	HMD 26-II-600/-100: approx. 3.9 N HMD 26-II-600S: approx. 4.0 N

### Microphone

Type	BMD 424
Transducer principle	dynamic, noise-compensating, hyper-cardioid
Frequency response	40 to 16,000 Hz
Output voltage	0.4 mV/Pa at 1 kHz
Impedance	300 $\Omega$
General data	
Temperature range	operation: -15 °C to 55 °C storage: -55 °C to 70 °C
Weight without cable	HMD 26-II-600/-100: approx. 200 g HMD 26-II-600S: approx. 130 g



### HMDC 26-II-600

#### Headphones

Transducer principle	dynamic, closed
Ear coupling	supra-aural
Frequency response	20 to 18,000 Hz
Impedance	600 $\Omega$ mono/1200 $\Omega$ stereo
Characteristic SPL	ActiveGard™ switched on: 108 dB SPL at 1 kHz, 1 mW ActiveGard™ switched off: 110 dB SPL at 1 kHz, 1 V
Max. SPL	120 dB SPL at 1 kHz
Active noise compensation	$\geq 18$ dB (100 to 300 Hz)
Attenuation (active/passive)	15 to 30 dB
THD	$< 0.5\%$ at 1 kHz
Contact pressure	approx. 3.9 N

#### Microphone

Type	BMD 424
Transducer principle	dynamic, noise-compensating, hyper-cardioid
Frequency response	40 to 16,000 Hz
Output voltage	0.4 mV/Pa at 1 kHz
Impedance	300 $\Omega$

#### General data

Temperature range	operation: $-15$ °C to $55$ °C storage: $-55$ °C to $70$ °C
Weight without cable	approx. 210 g
Power supply for Noise-Gard™	2x 1.5 V AA alkaline battery (IEC LR 6) or 2x 1.2 V AA rechargeable battery (IEC LR 6), operating time approx. 60 h

### HME 26-II-600/-100

#### Headphones

Transducer principle	dynamic, closed
Ear coupling	supra-aural
Frequency response	20 to 18,000 Hz
Impedance	HME 26-II-600: 300 $\Omega$ mono/600 $\Omega$ stereo HME 26-II-100: 50 $\Omega$ mono/100 $\Omega$ stereo
Characteristic SPL	ActiveGard™ switched on: 105 dB SPL at 1 kHz, 1 mW ActiveGard™ switched off: HME 26-II-600: 107 dB SPL at 1 kHz, 1 V HME 26-II-100: 115 dB SPL at 1 kHz, 1 V
Max. SPL	ActiveGard™ switched on: 105 dB SPL at 1 kHz ActiveGard™ switched off: HME 26-II-600: 127 dB SPL at 1 kHz, 200 mW HME 26-II-100: 128 dB SPL at 1 kHz, 200 mW
THD	< 0.5% at 1 kHz
Contact pressure	approx. 3.9 N

#### Microphone

Type	BKE 4-2
Transducer principle	pre-polarized condenser microphone, omni-directional
Frequency response	40 to 20,000 Hz
Output voltage	4 mV/Pa $\pm$ 2.5 dB
Max. SPL	150 dB at 1 kHz, 0.5 % THD
Terminating impedance	min. 4.7 k $\Omega$
Supply voltage	5 to 15 V DC
Temperature range	operation: -15 °C to 55 °C storage: -55 °C to 70 °C
Weight without cable	approx. 200 g

### HME 26-II-600(4)/-100(4)

#### Headphones

Transducer principle	dynamic, closed
Ear coupling	supra-aural
Frequency response	20 to 18,000 Hz
Impedance	HME 26-II-600(4): 300 $\Omega$ mono/600 $\Omega$ stereo HME 26-II-100(4): 50 $\Omega$ mono/100 $\Omega$ stereo
Characteristic SPL	ActiveGard™ switched on: 105 dB SPL at 1 kHz, 1 mW ActiveGard™ switched off: HME 26-II-600(4): 107 dB SPL at 1 kHz, 1 V HME 26-II-100(4): 115 dB SPL at 1 kHz, 1 V
Max. SPL	ActiveGard™ switched on: 105 dB SPL at 1 kHz ActiveGard™ switched off: HME 26-II-600(4): 127 dB SPL at 1 kHz, 200 mW HME 26-II-100(4): 128 dB SPL at 1 kHz, 200 mW
THD	< 0.5% at 1 kHz
Contact pressure	approx. 3.9 N

#### Microphone

Type	BKE 4-4
Transducer principle	pre-polarized condenser microphone, cardioid
Frequency response	40 to 20,000 Hz
Output voltage	4 mV/Pa $\pm$ 2.5 dB
Max. SPL	150 dB at 1 kHz, 0.5 % THD
Terminating impedance	min. 4.7 k $\Omega$
Supply voltage	5 to 15 V DC

#### General data

Temperature range	operation: -15 °C to 55 °C storage: -55 °C to 70 °C
Weight without cable	approx. 200 g

### HD 26 PRO

#### Headphones

Transducer principle	dynamic, closed
Ear coupling	supra-aural
Frequency response	20 to 18,000 Hz
Impedance	100 $\Omega$ stereo
Characteristic SPL	ActiveGard™ switched on: 105 dB SPL at 1 kHz, 1 mW ActiveGard™ switched off: 115 dB SPL at 1 kHz, 1 V
Max. SPL	ActiveGard™ switched on: 105 dB SPL at 1 kHz ActiveGard™ switched off: 128 dB SPL at 1 kHz, 200 mW
THD	< 0.5% at 1 kHz
Contact pressure	approx. 3.9 N
<b>General data</b>	
Temperature range	operation: -15 °C to 55 °C storage: -55 °C to 70 °C
Weight without cable	approx. 180 g

# Manufacturer Declarations

## Warranty

Sennheiser electronic GmbH & Co. KG gives a warranty of 24 months on this product.

For the current warranty conditions, please visit our website at [www.sennheiser-aviation.com](http://www.sennheiser-aviation.com) or [www.sennheiser.com](http://www.sennheiser.com) or contact your Sennheiser partner.

### FOR AUSTRALIA ONLY

Sennheiser goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to other rights or remedies under law. Nothing in this warranty excludes, limits or modifies any liability of Sennheiser which is imposed by law, or limits or modifies any remedy available to the consumer which is granted by law.

To make a claim under this warranty, contact

Sennheiser Australia Pty Ltd, Unit 3, 31 Gibbes Street  
Chatswood NSW 2067, AUSTRALIA.

Phone: (02) 9910 6700, email: [service@sennheiser.com.au](mailto:service@sennheiser.com.au).

All expenses of claiming the warranty will be borne by the person making the claim.



The Sennheiser International Warranty is provided by Sennheiser Australia Pty Ltd (ABN 68 165 388 312), Unit 3, 31 Gibbes Street Chatswood NSW 2067 Australia.

### CE Declaration of Conformity

- RoHS Directive (2011/65/EU)
- EMC Directive (2004/108/EC)

The declaration is available at [www.sennheiser.com](http://www.sennheiser.com).

### In compliance with

Europe	 EMC EN 55103-1/-2
China	

### Trademarks

Sennheiser and NoiseGard™ professional are registered trademarks of Sennheiser electronic GmbH & Co. KG.

Other product and company names mentioned in this instruction manual may be the trademarks or registered trademarks of their respective owners.

### FCC User Information

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device of the FCC Rules, pursuant to part 15 of the FCC Rules and ICES 003 of Industry

Canada. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Changes or modifications made to this equipment not expressly approved by Sennheiser electronic Corp. may void FCC authorization to operate this equipment.



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