

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. 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 or cardioid condenser microphone with extremely linear frequency response (HME 26-II)
- Single-sided cable, easy to replace

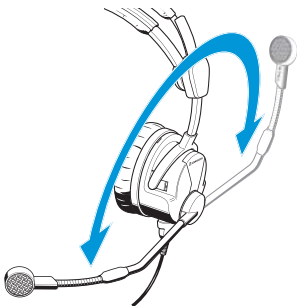
## Package contents

- 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.



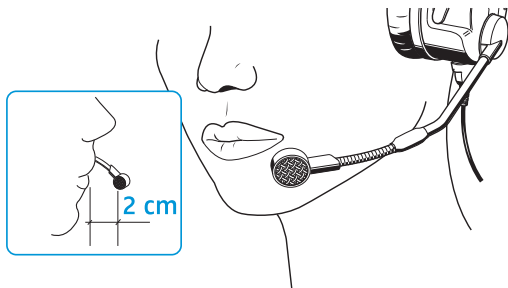
## Putting on the headset

When putting on the headset, the patented two-piece head-band 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.



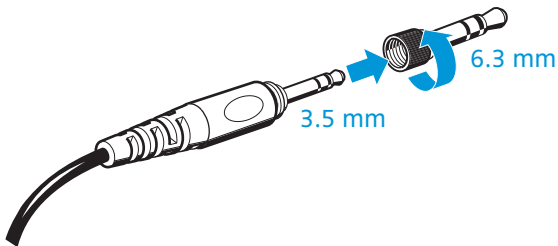
### Flipping away one ear cup

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 ¼" (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!

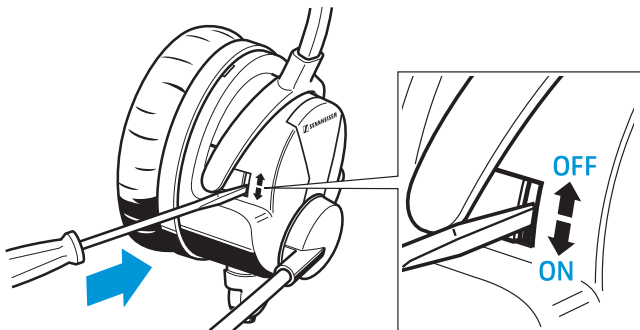
- ▶ Set the volume to a medium level. Make sure that you can hear critical environmental sounds.
-

### Switching ActiveGard on and off (HME 26-II/HMD 26-II/HD 26 PRO)

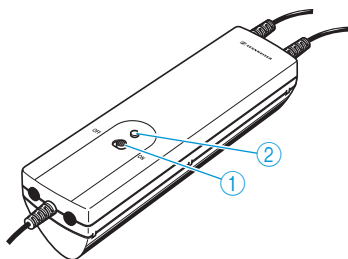
ActiveGard™ safeguards your ears from volume peaks above 105 dB, which can be transmitted via the audio system or radio equipment.

- ▶ 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)

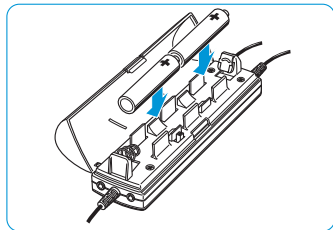
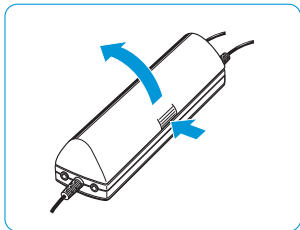
The NoiseGard ON/OFF switch ① allows you to switch the NoiseGard active noise compensation on or off. With NoiseGard switched off, the headset can be used as a conventional headset.

- ▶ 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

### CAUTION

#### Liquids can damage the product!

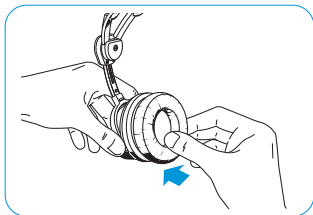
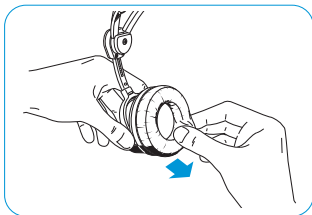
Liquids entering the product can short-circuit the electronics or damage the mechanics. Solvents or cleansing agents can damage the surface of the product.

- ▶ Keep all liquids far away from the product.
- ▶ 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.

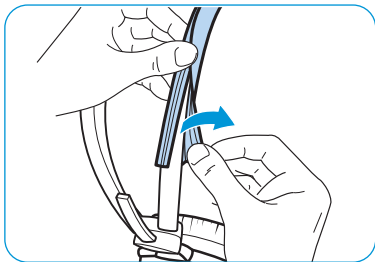
- ▶ Grasp the edge of the ear pad and pull sharply.
- ▶ Attach the new ear pad to the ear cup by pressing firmly around the ear pad until you hear all 12 latches lock into place.



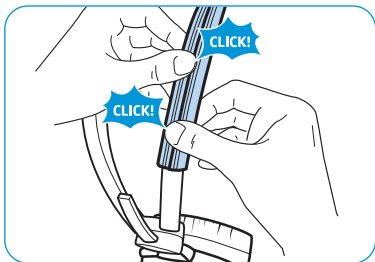
### Replacing the headband paddings

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.



## Accessories and spare parts

By changing the cable, you can simply retrofit your headset (see "Product variants" on page 17).

### Accessories

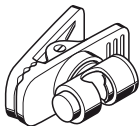
- Cable -6 Cat. No. 500836
- Cable -7 Cat. No. 502360
- Cable II-8 Cat. No. 505797
- Cable -B-7 (HMDC 26-II) Cat. No. 502470
- Cable -H-6 Cat. No. 502533
- Cable II-X4F Cat. No. 505784
- Cable II-X5 Cat. No. 505785
- Cable II-X3K1 Cat. No. 505782
- Cable II-X3K1-P48 (HME 26-II) Cat. No. 505783
- Cable -H-X4F Cat. No. 502457
- Cable -H-X5 Cat. No. 502458
- Cable -H-X3K1 Cat. No. 502456
- Hygiene pads HZH 26, white, 200 pairs Cat. No. 502595
- Hygiene pads HZH 26, black, 200 pairs Cat. No. 504062



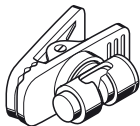
### Spare parts

- Ear pads, leatherette, 1 pair
- Ear pads, leatherette, 100 pairs
- Ear pads, velour, 1 pair (not suitable for the HMDC 26-II)
- Headband padding, large
- Headband paddings, small, 1 pair
- Wind screen for BMD 424, small
- Wind screen for BMD 424, large
- Wind screen for BKE 4-2
- Wind screen for BKE 4-4, small
- Wind screen for BKE 4-4, large
- Carry bag
- Cable clip HZC 8 for round cables
- Cable clip HZC 9 for cable -B-7
- Cable clip HZC 11 for all twin cables -II
- Screw-on adapter for 1/4" (6.3 mm) jack plug
- Headphone cable 26 PRO

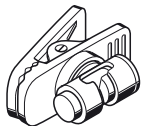
### Cable clip



HZC 8  
(for round cables)



HZC 9  
(for cable -B-7)



HZC 11  
(for all twin cables -II)

## Product variants

Model	Cat. No.	Part Number	Description	Cable, length 1.5 m
HD 26 PRO	505691	026-60-999-09C	Without microphone	Copper cable with 3.5 mm jack plug and screw-on adapter for ¼" (6.3 mm) jack plug
HMD 26-II-600*	505773	026-EA	600 Ω per system, dynamic mic	–
HMD 26-II-600-X3K1	505776	026-EA-999-0E3C	600 Ω per system, dynamic mic	Copper cable with XLR-3 connector and ¼" (6.3 mm) jack plug
HMD 26-II-600-8	505774	026-EA-999-0C3C	600 Ω per system, dynamic mic	Copper cable with open ends
HMD 26-II-600S*	505775	026-FA	600 Ω, single-sided, dynamic mic	–
HMD 26-II-100*	505771	026-AA	100 Ω per system, dynamic mic	–
HMD 26-II-100-8	505772	026-AA-999-0C3C	100 Ω per system, dynamic mic	Copper cable with open ends
HMDC 26-II-600**	505777	026-DA	NoiseGuard, 1200 Ω stereo per system, dynamic mic	–
HME 26-II-100*	505779	026-B5	100 Ω per system, condenser mic, omni-directional	–
HME 26-II-100(4)-P48***	505778	026-3C	100 Ω per system, condenser mic, cardioid	–
HME 26-II-600*	505781	026-G5	600 Ω per system, condenser mic, omni-directional	–
HME 26-II-600(4)*	505780	026-GC	600 Ω per system, condenser mic, cardioid	–

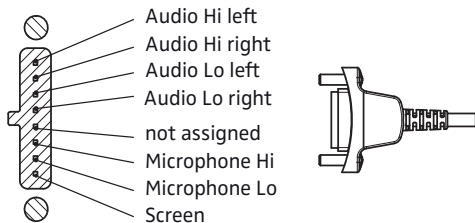
\* The headsets can be combined with all cables (see page 15).

\*\* The headset must be used with the cable -B-7 (see page 15).

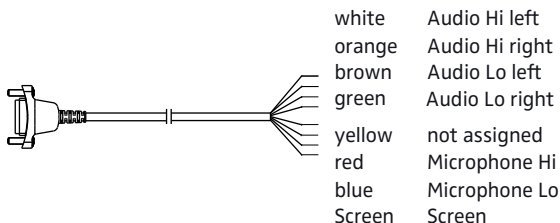
\*\*\* The headset must be used with the cable -II-X3K1 (see page 15).

## Cable and connector assignment

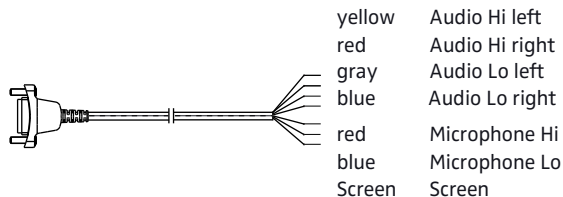
### Headset connector



### Cable -6 (HMD 26-II/HME 26-II)

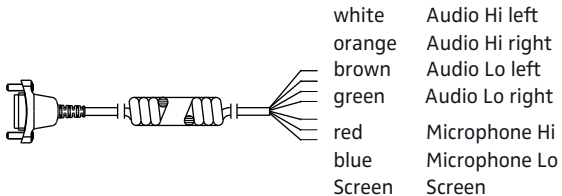


### Cable -7\*/II-8 (HMD 26-II/HME 26-II)

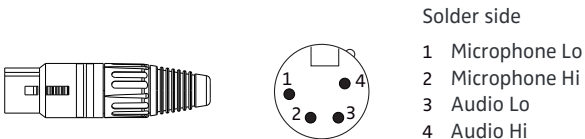


\* steel wire cable

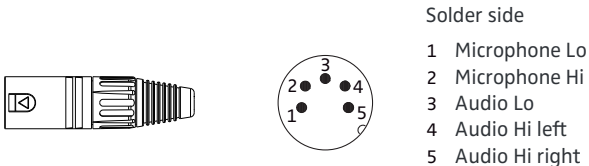
### Cable -H-6 (HMD 26-II/HME 26-II)



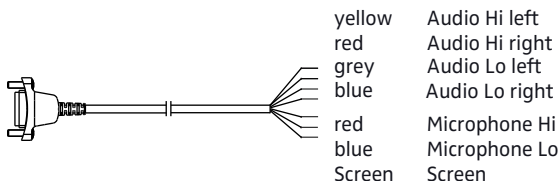
### Cable II-X4F/cable -H-X4F (HMD 26-II/HME 26-II)



### Cable II-X5/cable -H-X5 (HMD 26-II/HME 26-II)



## Cable -B-7 (steel wire cable, HMDC 26-II, battery-powered control unit)



## Cable II-X3K1/cable -H-X3K1 (HMD 26-II/HME 26-II)

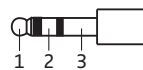
### XLR-3 connector



Solder side

- 1 Screen
- 2 Microphone Hi
- 3 Microphone Lo

### ¼" (6.3 mm) jack plug



Solder side

- 1 Audio Hi left
- 2 Audio Hi right
- 3 Audio Lo

## Cable II-X3K1-P48 (HME 26-II)

Together with the cable II-X3K1-P48, the HME 26-II is designed for P48 phantom powering as per DIN 45596.

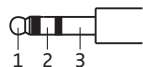
### XLR-3 connector



Solder side

- 1 Ground/screen
- 2 Microphone Hi/48 VDC
- 3 Microphone Lo/48 VDC

### ¼" (6.3 mm) jack plug



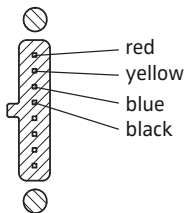
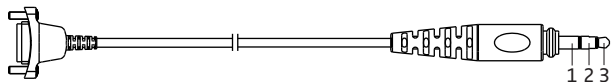
Solder side

- 1 Audio Hi left
- 2 Audio Hi right
- 3 Audio Lo

## Headphone cable 26 PRO/headphone connector

Headphone connector

3.5 mm jack plug



- |   |            |                |
|---|------------|----------------|
| 1 | blue/black | Ground         |
| 2 | yellow     | Audio Hi right |
| 3 | red        | Audio Hi left  |

# 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	105 dB SPL at 1 kHz, 1 mW 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 $\Omega$
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	108 dB SPL at 1 kHz, 1 mW 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 NoiseGard	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	105 dB SPL at 1 kHz, 1 mW 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. 205 g

### HME 26-II-600(4)/-100(4)-P48\*

#### 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)-P48: 50 $\Omega$ mono/100 $\Omega$ stereo
Characteristic SPL	105 dB SPL at 1 kHz, 1 mW HME 26-II-600(4): 107 dB SPL at 1 kHz, 1 V HME 26-II-100(4)-P48: 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)-P48: 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
Temperature range	operation: -15°C to 55°C storage: -55°C to 70°C
Weight without cable	approx. 205 g

\* The HME 26-II-100(4)-P48 is only available with P48 phantom power.

### 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	105 dB SPL at 1 kHz, 1 mW 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 2 years 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.

## CE Declaration of Conformity

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

## China RoHS

部件名称 Parts	有毒有害物质或元素						
	铅 Pb	汞 Hg	镉 Cd	六价铬 Cr <sup>6+</sup>	多溴联苯 PBB	多溴二苯醚 PBDE	环境友好的用 途期间 EFUP
金属部件 Metal Parts	x	o	o	o	o	o	15
电路模块 Circuit Modules	x	o	o	o	o	o	15
电缆及电缆 组件 Cables & Cable Assemblies	x	o	o	o	o	o	15
电路开关 Circuit Breakers	x	o	o	o	o	o	15
电池 Battery	x	o	o	o	o	o	5

o : 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

x : 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。



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