e 906

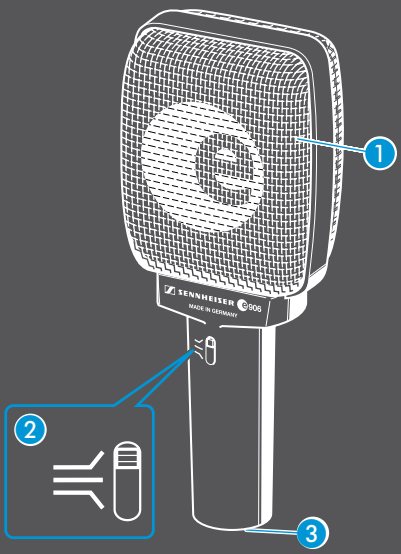


Instruction manual

evolution
Stage Microphones

SENNHEISER
The Pursuit of Perfect Sound

A

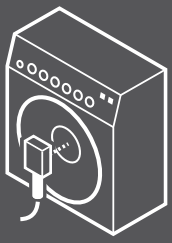


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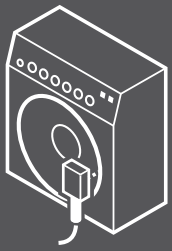
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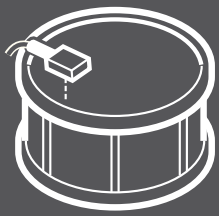
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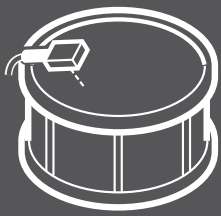
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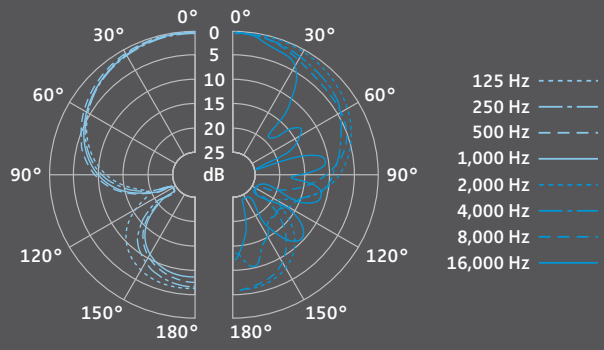
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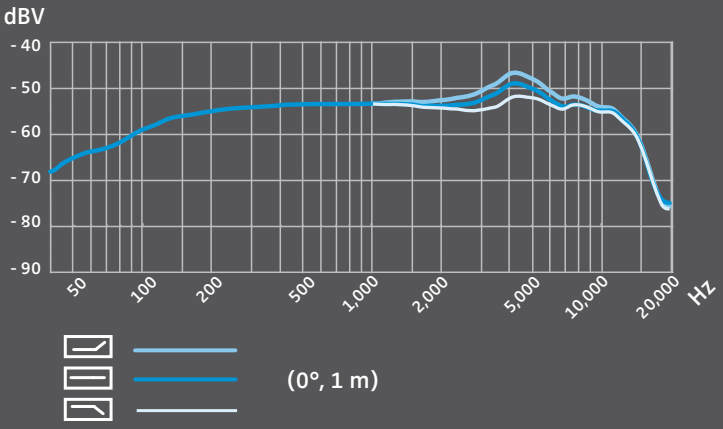


5



C


0°
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60°
90°
120°
150°
180°
0
5
10
15
20
25
dB
125 Hz
250 Hz
500 Hz
1,000 Hz
2,000 Hz
4,000 Hz
8,000 Hz
16,000 Hz


dBV
- 40
- 50
- 60
- 70
- 80
- 90
50
100
200
500
1,000
2,000
5,000
10,000
20,000
Hz
(0°, 1 m)

Important safety information

- 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.

Before operation

- Never open the housing of the product. If products are opened by customers in breach of this instruction, the warranty becomes null and void.
- Only use attachments, accessories or spare parts specified by Sennheiser.

During operation

- Liquids entering the product can short-circuit the electronics or damage the mechanics. Keep all liquids away from the product.
- Solvents or cleansing agents can damage the surface of the product. Only use a soft, slightly damp cloth to clean the product.
- Do not expose the product to extreme temperatures.

After operation

- Handle the product with care and store it in a clean, dust-free environment.

Intended use

Intended use includes:

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

''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 e 906

A more direct sound – more directly from the amp.

The e 906 captures the guitar sound just as you want it to be: from clean to distorted, from gentle to aggressive. It provides a high-resolution, natural sound without unwanted coloration. The transient response of the e 906 convinces in every style: it even transmits riffs with an extremely hard punch directly and straightforward.

The microphone features a switchable presence filter with three sound characteristic options: one to boost the presence range, one for "normal" presence and one to attenuate the presence range.

Thanks to its flat shape, the e 906 can be positioned in front of the amp hanging from its cable – completely without a stand. Not to mention its distinctly rugged design.

Features

- dynamic microphone
- extraordinarily lively, full sound
- extremely fast transient response
- switchable presence filter with three sound characteristic options (boosted presence range, normal, attenuated presence range)
- perfect shape for the pick-up of guitar amps
- shock-mounted capsule
- humbucking coil
- rugged metal housing

Delivery includes

1 e 906 microphone
1 microphone clamp MZQ 100
1 pouch
1 instruction manual

Product overview A*

1. sound inlet basket
2. 3-position slide switch for adjusting the presence filter
3. XLR-3 connector

* Diagrams can be found on the cover pages.

Using the microphone

Positioning the microphone an a guitar amp B

Pos.	Resulting sound	Commentary
B.1	• many trebles • aggressive sound	microphone directed towards the dome of the loudspeaker
B.2	• less trebles • more lower mids • smoother sound • balanced, natural sound	good starting position: • microphone directed towards the middle between dome and edge of the loudspeaker • If necessary, turn the microphone by approx. 30° towards the edge.
B.3	• less trebles • more lower mids • smoother sound	microphone directed towards the edge of the loudspeaker

Positioning the microphone on a drum B

Pos.	Resulting sound	Commentary
B.4	• more fundamental tone • little overtones	position on the drum: • 3–5 cm above the batter head • directed towards the center of the batter head The fundamental tone to overtones ratio can be adjusted via the angle. The most balanced results are obtained at an angle of 30–60°.
B.5	• less fundamental tone • many overtones	

Positioning the monitor loudspeakers B

▶ To prevent feedback and crosstalk, postion your monitor loudspeakers in the angle area of the highest cancellation of the microphone (approx. 120°).

Adapting the sound characteristics

The e 906 features a switchable presence filter which allows to adapt the microphone to the different sound requirements and styles (see also the frequency response curve D).

- Use a pointed tool such as a small screwdriver to move the 3-position slide switch 2 to the desired position.

Pos.	Setting	Suitability
	boosted presence range	e.g. for aggressive metal rhythm guitars
	normal presence range	e.g. for classic rock
	attenuated presence range	e.g. for warm and smooth jazz and blues sounds

The mid frequency of the presence filter is 4.2 kHz.

Cleaning and maintaining the e 906

Caution **Liquids can damage the electronics of the product!**

Liquids entering the housing of the product can cause a short-circuit and damage the electronics.

- Keep all liquids away from the product.
- Do not use any solvents or cleansing agents.

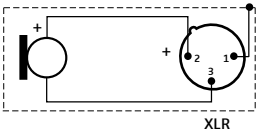
- Only use a soft, slightly damp cloth to clean the product.

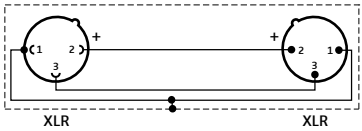
Specifications

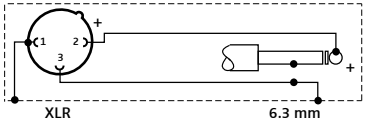
Transducer principle	dynamic
Frequency response	40 ... 18,000 Hz
Pick-up pattern	super-cardioid
Sensitivity (free field, no load at 1 kHz)	2.2 mV/Pa
Nominal impedance (at 1 kHz)	350 Ω
Min. terminating impedance	1 kΩ
Connector	XLR-3
Dimensions	55 mm x 34 mm x 134 mm
Weight	140 g

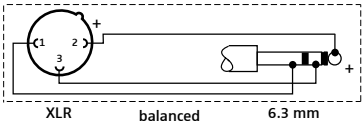
The polar diagram and the frequency response curve C can be found on the cover pages.

Connector assignment









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.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.

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.

In compliance with the following requirements

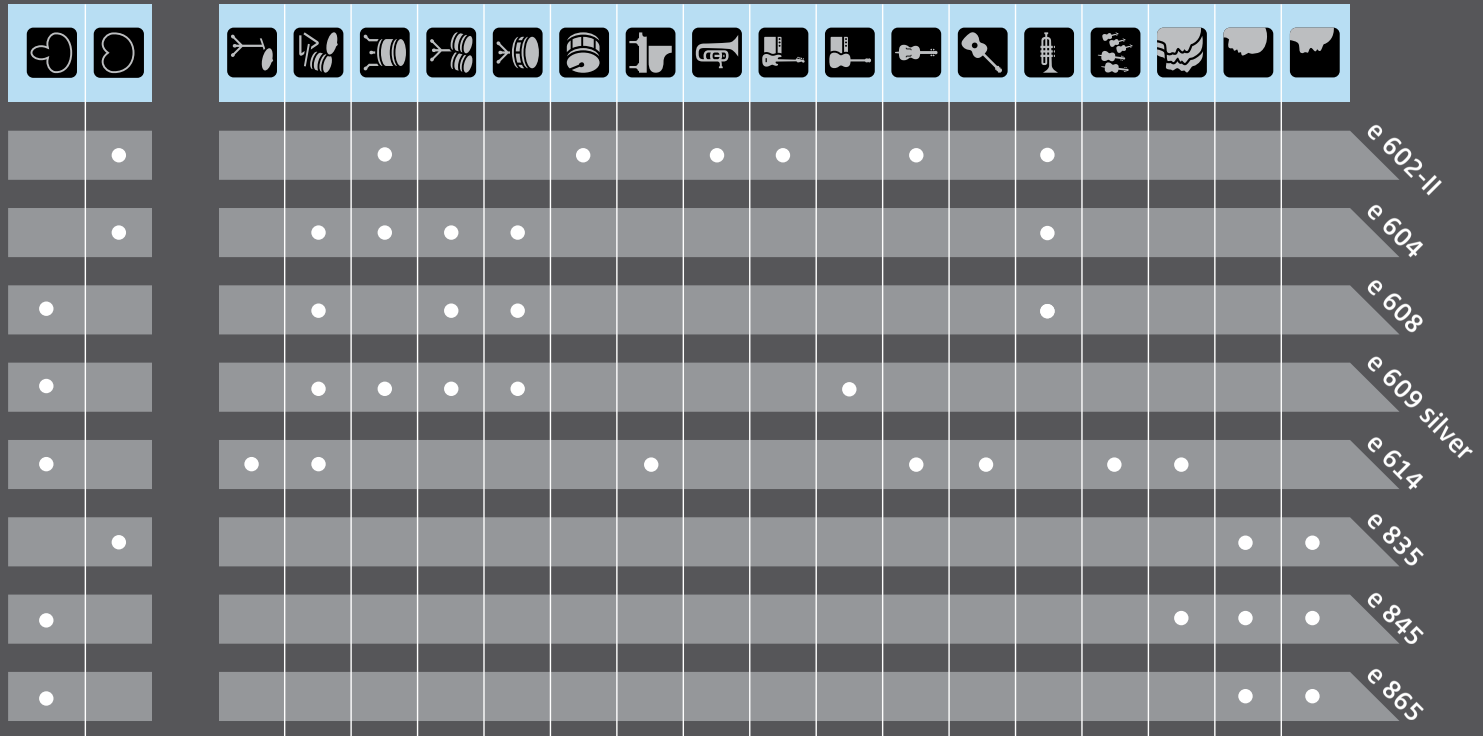
- WEEE Directive (2012/19/EU)

Please dispose of this product at the end of its operational lifetime by taking it to your local collection point or recycling center for such equipment.

CE Declaration of Conformity

- RoHS Directive (2011/65/EU)
- EMC Directive (2014/30/EU)

The declaration is available at www.sennheiser.com.


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e 604
e 608
e 609 silver
e 614
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SENNHEISER

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