

e 604

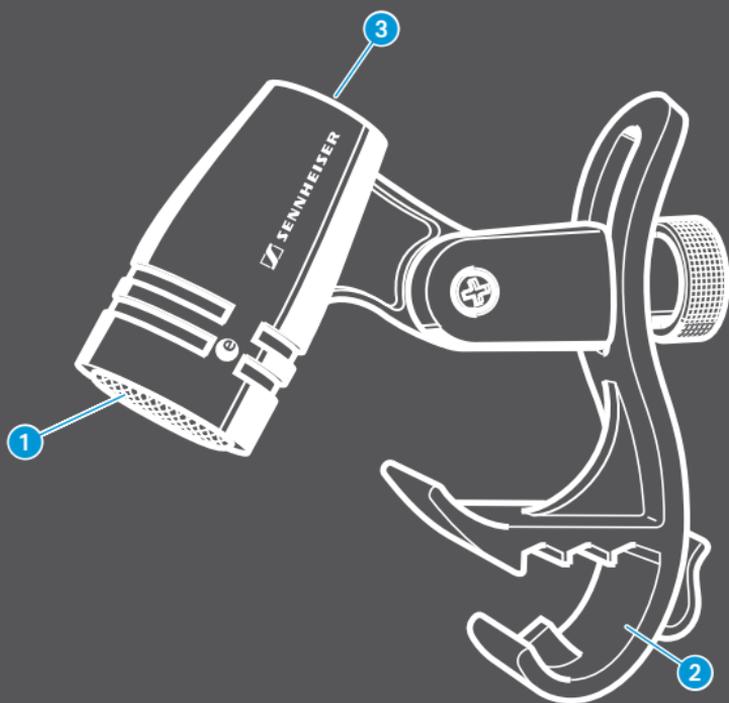


Instruction manual

evolution
Stage Microphones

 **SENNHEISER**
The Pursuit of Perfect Sound

A



B

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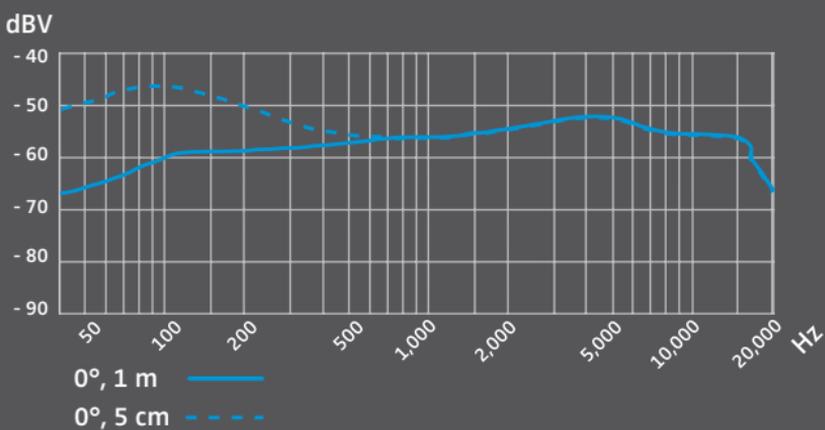
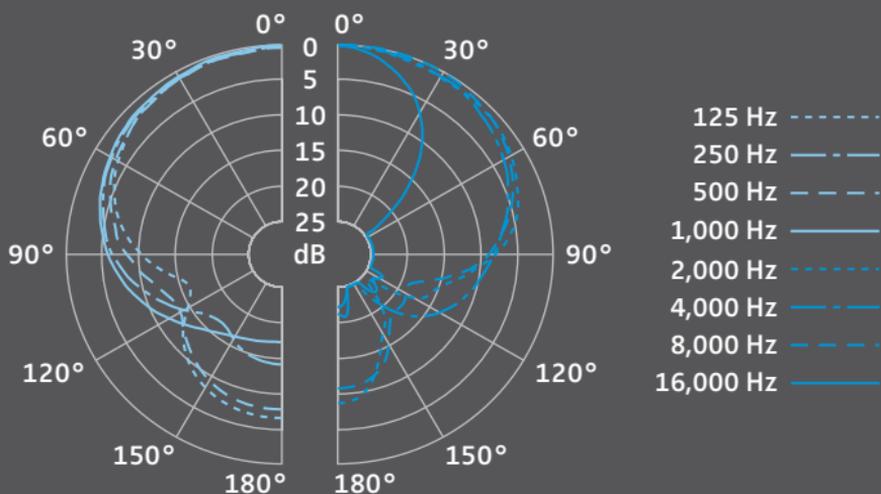
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Important safety information

- 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 604

A clip-on classic with character

Character instead of mainstream. Close to the attack, robust, easy to handle: the e 604 has long been a classic on the rims of tom-toms and snares the world over. Thanks to the practical clip-on microphone clamp, the microphone can be mounted in seconds and positioned however you choose.

Lightly emphasized in the upper mids and highs, the e 604 provides a forceful sound, open and clear in the lows. The snare receives a warm to dynamic presence; woodwind instruments also receive a marked spaciousness. This is no surprise since the sound design is based on the legendary MD 421 microphone.

Features

- Compact dynamic microphone
- Handles extreme sound pressure levels (over 160 dB) without distortion
- Impact-resistant fiberglass reinforced housing
- Extremely simple handling and flexible positioning
- Low sensitivity to handling noise
- Very low inherent self-noise
- Humbucking coil
- Integral stand mount

Package contents

- 1 microphone e 604
- 1 MZH 604 microphone clamp
- 1 pouch
- 1 instruction manual

Product overview A*

- 1 Sound inlet basket
- 2 Microphone clamp
- 3 XLR-3 connector

* Diagrams can be found on the cover pages.

Using the microphone

Positioning the microphone on a drum B

- ▶ Use the microphone clamp ② to attach the e 604 to the rim of the drum.

Pos.	Resulting sound	Commentary
B.1	<ul style="list-style-type: none">• More fundamental• Little overtones	Position on the drum: 3 to 5 cm above the drumskin
B.2	<ul style="list-style-type: none">• Less fundamental• Many overtones	The fundamental to overtones ratio can be adjusted by changing the angle of the microphone. The most balanced results are obtained at an angle of 30 to 60°.
B.3		Use of a second 604 for picking up the bottom of the drumskin and the snares. NB: The lower microphone must be phase-reversed to avoid phase-cancellation effects due to the second microphone being on the other side of the drumskin.

Positioning the monitor loudspeakers

- ▶ To prevent feedback and crosstalk, position your monitor loudspeakers in the angle area of the highest cancellation of the microphone (approx. 135°).

Cleaning and maintaining the e 604

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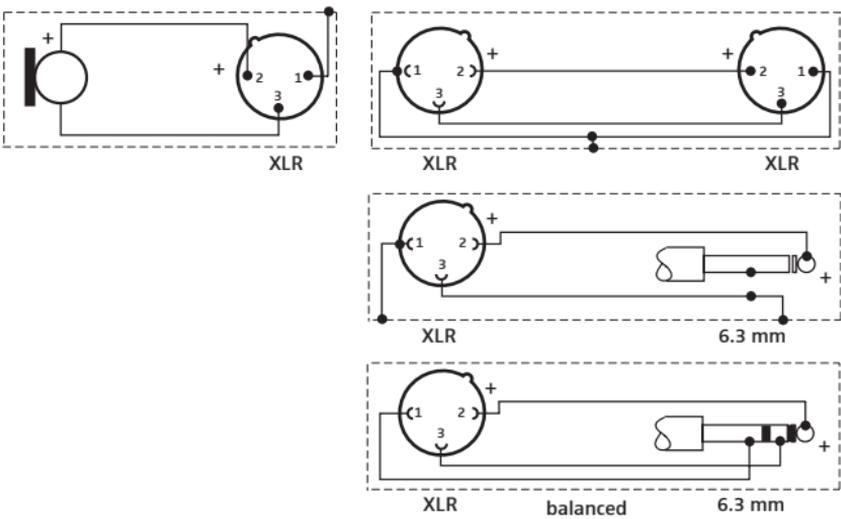
- ▶ Only use a soft, slightly damp cloth to clean the product.

Specifications

Transducer principle	dynamic
Frequency response	40 ... 18,000 Hz
Pick-up pattern	cardioid
Sensitivity (free field, no load at 1 kHz)	1,8 mV/Pa
Nominal impedance (at 1 kHz)	350 Ω
Min. terminating impedance	1 kΩ
Connector	XLR-3
Dimensions	∅ 33 x L 59 mm
Weight	60 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 (2004/108/CE)

The declaration is available at www.sennheiser.com.

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