

e 914

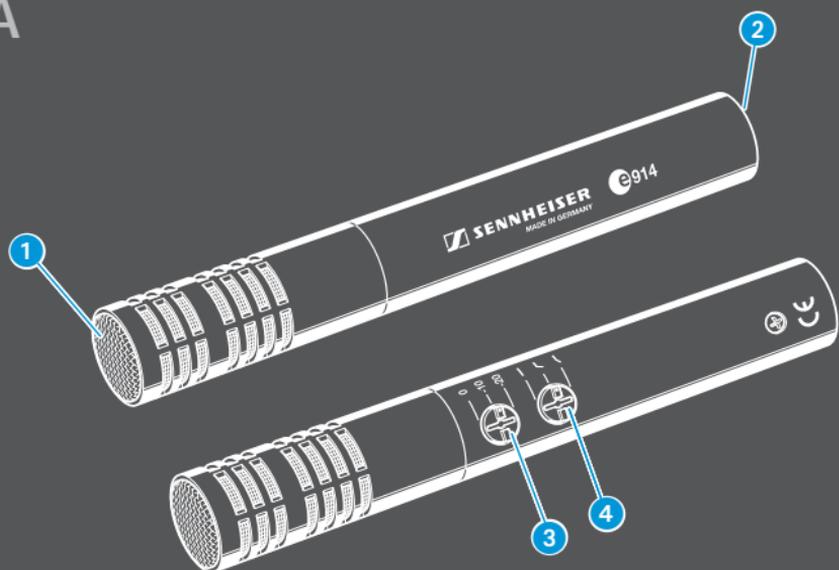


Insruction manual

evolution
Stage Microphones

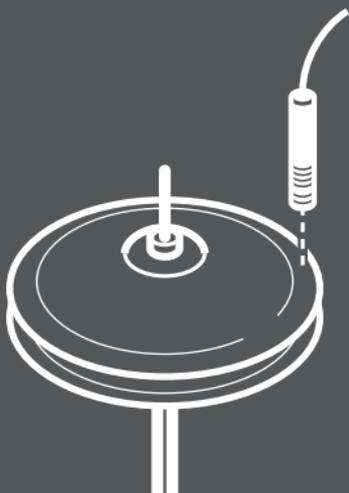
SENNHEISER
The Pursuit of Perfect Sound

A



B

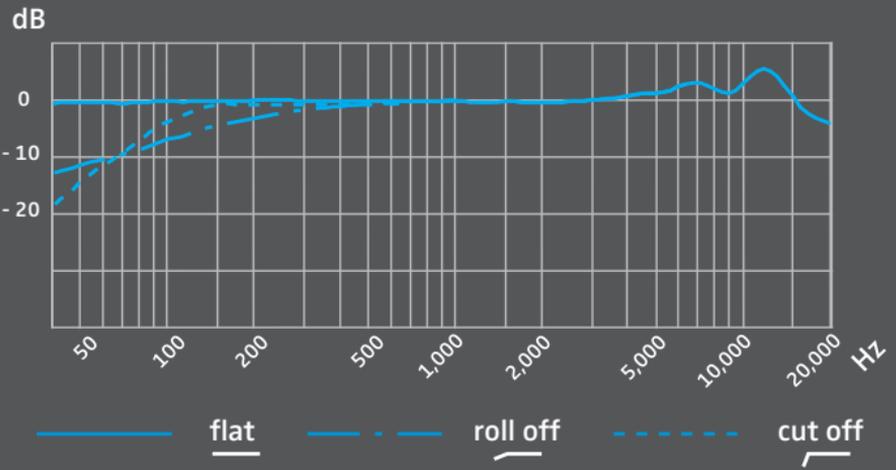
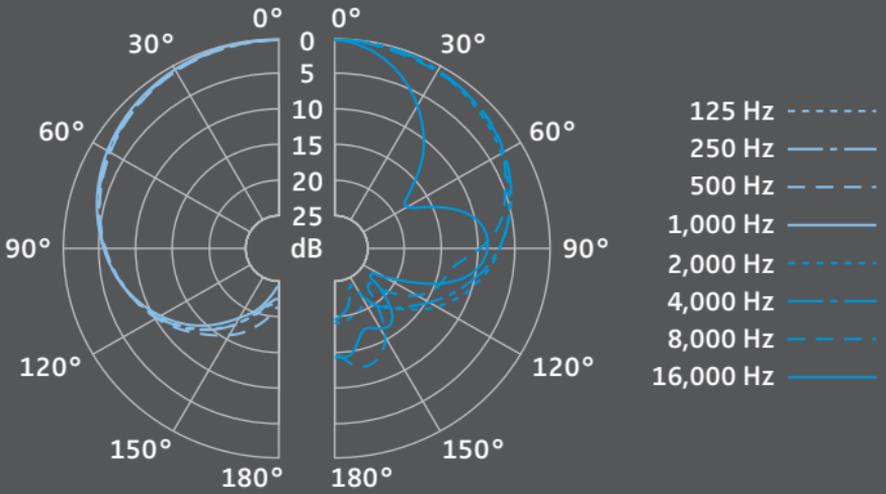
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C



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 914

The cardioid e 914 is a pre-polarised condenser microphone designed for demanding applications which require a wide frequency response, high sound pressure level, fast transient response and a compact design. With its frequency response of 20 Hz to 20 kHz, the e 914 is able to capture the full sound of the instrument, while its cardioid pick-up pattern isolates the microphone from other on-stage signals.

An excellent microphone for cymbals and hi-hat, the e 914 is also an ideal choice for percussion, woodwind and string instruments. Its excellent acoustic properties also make it a valuable tool for home recording, the project studio and live stereo pair recording.

Features

- Condenser microphone
- Perfect for ambitious live audio recordings
- Excellent dynamics and vibrant sound for a wide variety of instruments
- Processes very high SPLs
- Three-position bass roll-off/cut-off switch
- Three-position pre-attenuation

Package contents

- 1 e 914 microphone
- 1 Pouch
- 1 MZQ 800 microphone clamp
- 1 MZW 64 windshield
- 1 Instructions for use

Note:

The microphone head is not compatible with the K6 powering module.

Product overview A*

- 1 Sound inlet basket
- 2 XLR-3 connector
- 3 Adjusting the sensitivity (A)
- 4 Adjusting the bass filter

* Diagrams can be found on the cover pages.

Sensitivity and bass filter

The e 914 is equipped with a three-position sensitivity switch (3) and a bass filter switch (4).

Adjusting the sensitivity (3)

The microphone sensitivity can remain unchanged (0) or be reduced by 10 dB or 20 dB. The latter is recommended when there is a risk that the microphone or subsequent microphone input is overmodulated, e.g. due to high sound pressure levels from drums, brass instruments, etc.

Note:

We recommend that you mute the corresponding microphone channel on the mixing console before connecting and disconnecting the microphone cable, switching on and off the phantom powering or setting the switches (see figure above).

Adjusting the bass filter (4)

The e 914 has been designed for an extended low-frequency bass response. With certain live or close instrument miking applications, an over-emphasis of the low frequencies can occur. This can be compensated for by the 6 dB/octave roll-off filter. The cut-off filter reduces low-frequency wind noise by 18 dB/octave.

Using the microphone

Positioning the microphone B

Percussion

Pos.	Commentary
B.1	<p>Position the microphone a few centimetres above the outer edge of the hi-hat aiming down. If necessary, remove unwanted low-frequency signal portions by high pass filtering.</p> <p>Attention: When closing the hi-hat, a strong air current is created on the edge. If the microphone is positioned too close to the edge, interfering noise due to the air current can occur.</p>
B.2	<p>Good starting position for live miking applications. If the overhead microphones are only used for picking up the cymbals, unwanted signal portions can be attenuated by high pass filtering</p>

In order to prevent interference due to crosstalk between adjacent sound sources, try to position the microphone so that the interfering sound source is located in the angle area of the highest cancellation of the microphone (approx. 180°, see polar diagram).

Cleaning and maintaining the e 914

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.

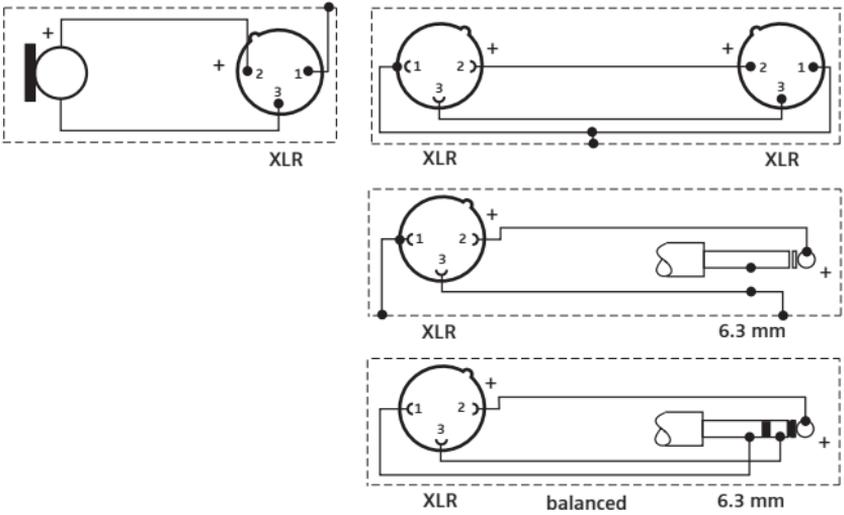
- ▶ Unscrew the sound inlet basket ①.
- ▶ Remove the foam insert from the sound inlet basket ①.
- ▶ Use a slightly damp cloth to clean the sound inlet basket ① from the inside and outside.
- ▶ Reinsert the foam insert into the sound inlet basket ① and replace the sound inlet basket on the microphone and screw it tight.

Specifications

Transducer principle	pre-polarised condenser microphone
Frequency response	20–20,000 Hz
Pick-up pattern	cardioid
Phantom powering	48 V/2.2 mA
Sensitivity (free field, no load at 1 kHz)	7 mV/Pa / -43 dBV; 2,3 mV/Pa / -53dBV * 0,7 mV/Pa / -63 dBV * *with pre-attenuation
Equivalent noise level	
A-weighted (DIN IEC 651)	19 dB
CCIR-weighted (CCIR 468-3)	30 dB
Pre-attenuation	0, -10, -20 dB
Bass filter	linear roll-off 130 Hz, 6 dB/oct. cut-off 85 Hz, 18 dB/oct.
Max. sound pressure level at 1 kHz	137/147/157 dB SPL (depending on pre-attenuation)
Nominal impedance	100 Ω
Min. terminating impedance	1 k Ω
Connector	XLR-3
Dimensions	\emptyset 24 mm, length: 157 mm
Weight	198 g (without clamp and cable)

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)

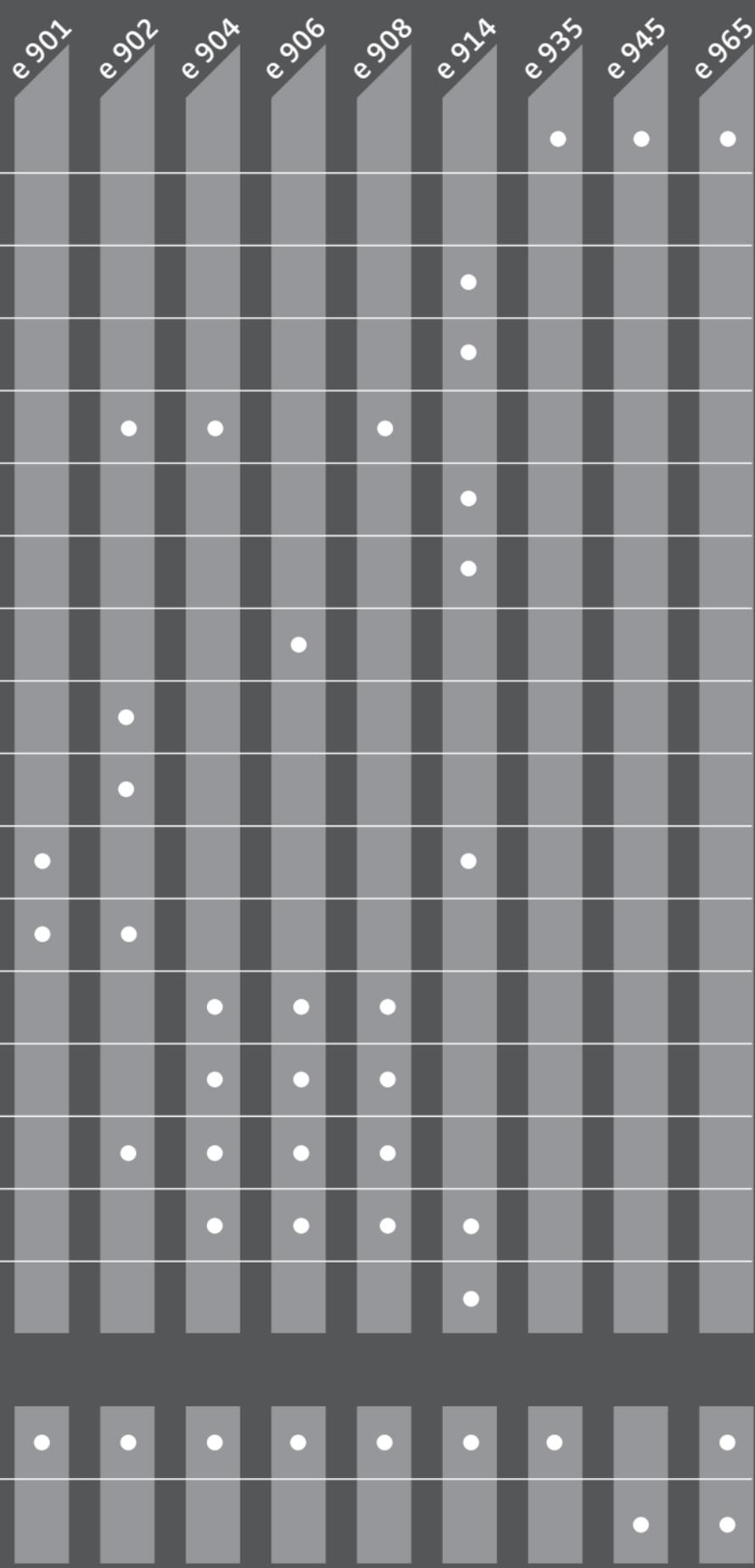


Please dispose of this product at the end of its operational lifetime by taking it to your local collection point or recycling center for such equipment.

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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