



e 901

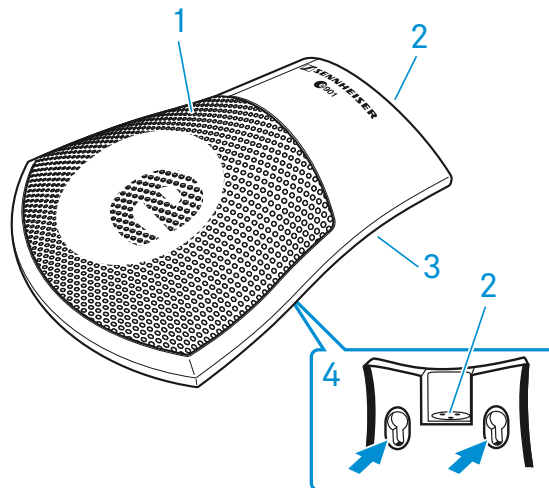
Instruction manual



Delivery includes

- e 901
- pouch
- quick guide
- safety guide

Product overview

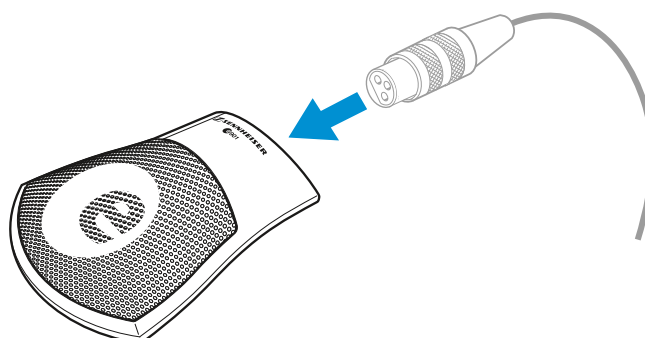


1. Sound inlet basket
2. XLR-3 connector
3. Rubber damping plate
4. Mounting slots

Installation

Connecting the microphone

- ▷ Connect the XLR-3 socket of the microphone cable (optional accessories) to the XLR-3 socket of the microphone.



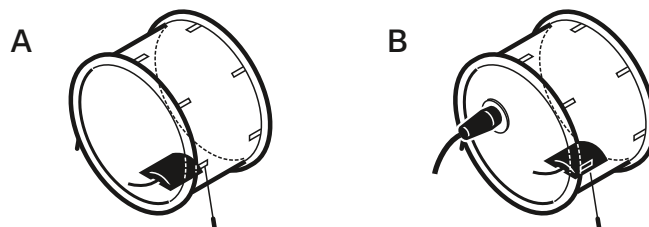


Operation

Positioning the microphone in a drum

- ▷ Place the e 901 in the drum. Position the microphone so that its sound inlet basket is directed upwards.
- ▷ It is vital to observe the following notes:

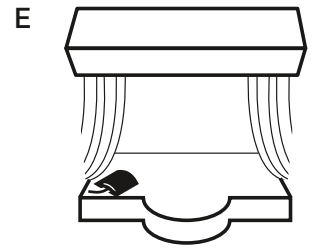
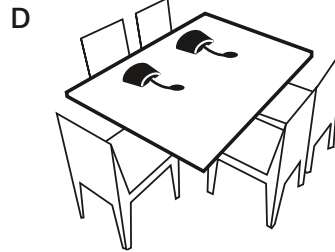
Position	Resulting sound	Commentary
A	Much resonance Much attack Less attack: Turn the microphone away from where the beater strikes.	Position the microphone at the bottom of the kick drum, approx. 10–20 cm from the batter head.
B	The e 901 is used for picking up the attack, the e 902 for picking up the fundamental.	Combined with an e 902 positioned at the resonant head. 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 microphone on sound-reflecting surfaces

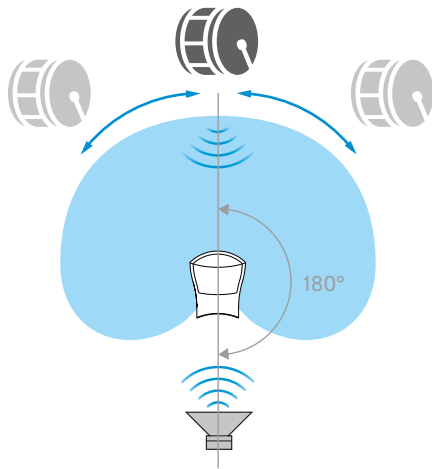
- ▷ Place the e 901 on the desired sound-reflecting surface. Position the microphone so that its sound inlet basket is directed towards the sound source.
- ▷ It is vital to observe the following notes:

Position	Resulting sound	Commentary
C	Less room resonance portions or comb filter elements Improved speech intelligibility Greater gain reserves in contrast to free-standing microphones	Lying on the altar or lectern. Unobtrusive due to flat design. No microphones in the field of vision.
D	Less room resonance in contrast to free-standing microphones	Lying on the conference table, directed towards the conference participants. Microphone must not be covered by papers, folders or similar objects.
E	Less room resonance in contrast to free-standing microphones Improved speech intelligibility	Lying at the edge of the stage and directed towards the stage. As spot microphone of the PA system or for monitoring purposes in the theater cloakrooms. Excellent rejection of rumble noise; if necessary, place the microphone on a soft pad (e.g. mousepad). If necessary, combine with overhead microphones (e.g. Sennheiser ME 36 with MZH 30B & MZC 30).



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. 180°).





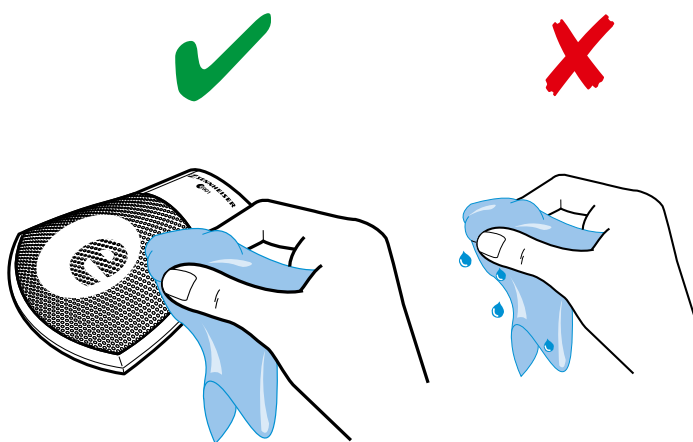
Cleaning and maintaining the e 901

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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- ▷ Disconnect the products from the power supply system and remove rechargeable batteries and batteries before you begin cleaning.
 - ▷ Clean all products only with a soft, dry cloth.

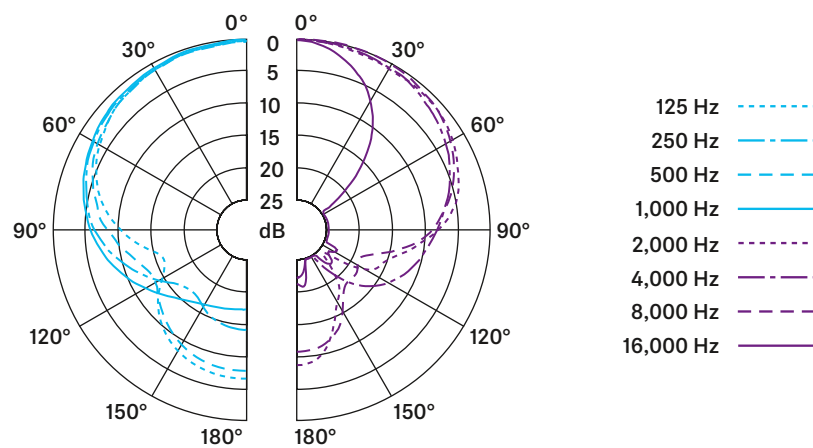




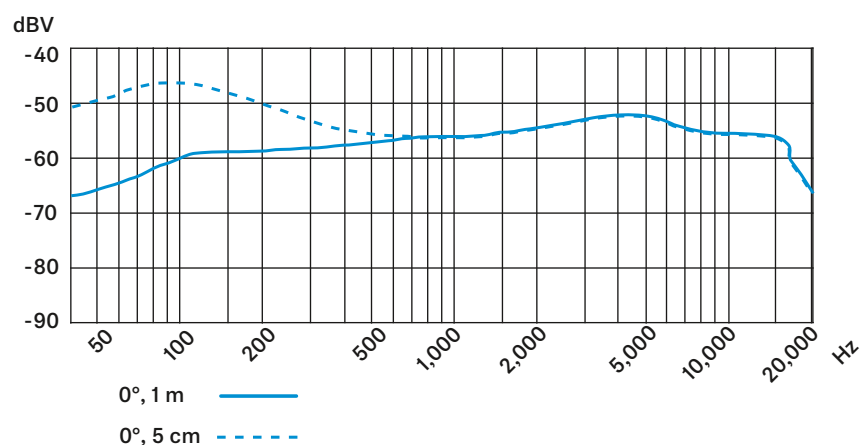
Specifications

Transducer principle	pre-polarised condenser microphone
Frequency response	20 - 20,000 Hz
Pick-up pattern	half-cardioid
Sensitivity (free field, no load)	0.5 mV/Pa
Nominal impedance (at 1 kHz)	< 100 Ω
Min. terminating impedance	1 k Ω
Max. sound pressure level (at 1 kHz)	154 dB
Phantom powering	48 V
Connector	XLR-3
Dimensions	126.5 x 105 x 26.5 mm
Weight	550 g

Polar pattern



Frequency response





The diagram illustrates three balanced connection methods:

- XLR to XLR:** Two XLR connectors are shown. The first XLR has pins 1, 2, and 3. The second XLR also has pins 1, 2, and 3. The connections are: Pin 1 to Pin 1, Pin 2 to Pin 2, and Pin 3 to Pin 3. A ground connection is shown between the two XLRs.
- XLR to 1/4 inch TRS:** An XLR connector is connected to a 1/4 inch TRS connector. The connections are: Pin 1 to Tip, Pin 2 to Ring, and Pin 3 to Sleeve. A ground connection is shown between the XLR and the TRS connector.
- XLR to 6.3 mm:** An XLR connector is connected to a 6.3 mm connector. The connections are: Pin 1 to Tip, Pin 2 to Ring, and Pin 3 to Sleeve. A ground connection is shown between the XLR and the 6.3 mm connector.

BALANCED

- Primary application
- Secondary application

SENNHEISER