



**e 914**

**Instruction manual**



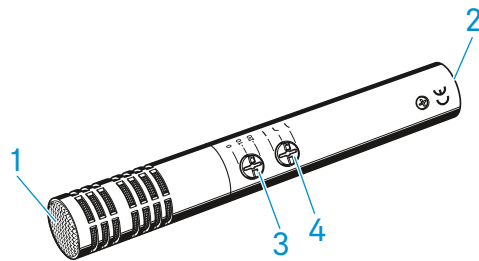
## Delivery includes

- e 914
- MZQ 800 microphone clamp
- MZW 64 windshield
- pouch
- quick guide
- safety guide



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

## Product overview



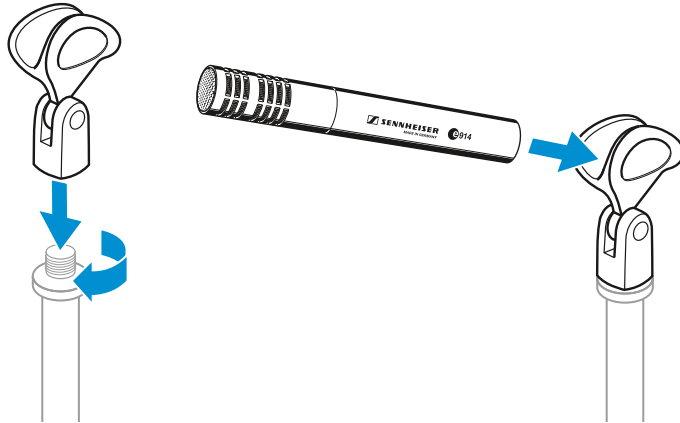
1. Sound inlet basket
2. XLR-3 connector
3. Adjusting the sensitivity
4. Adjusting the bass filter



## Installation

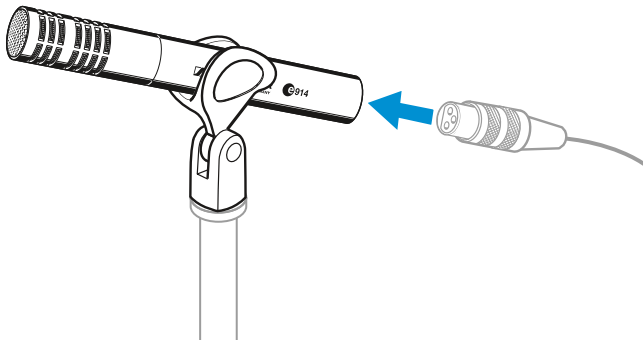
### Attaching the microphone

- ▷ Screw the microphone clamp to a stand.
- ▷ Place the microphone with its back end into the microphone clamp.
- ▷ Orient the microphone together with the microphone clamp.



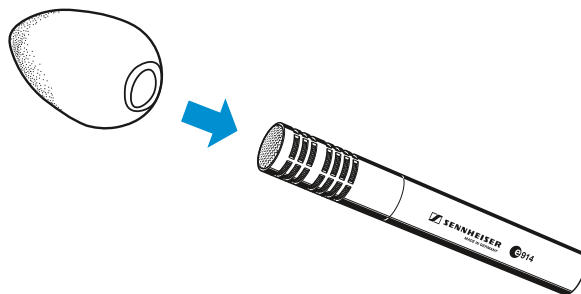
### Connecting the microphone

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



### Using the windshield

- ▷ Place the MZW 64 (optional accessories) windshield over the microphone head.





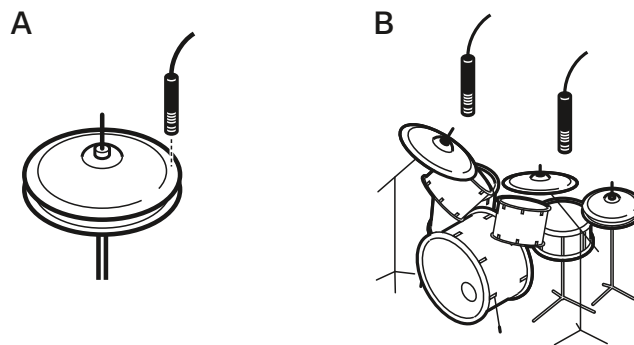
## Operation

### Positioning the microphone: Drums / Percussions

**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.

▷ It is vital to observe the following notes:

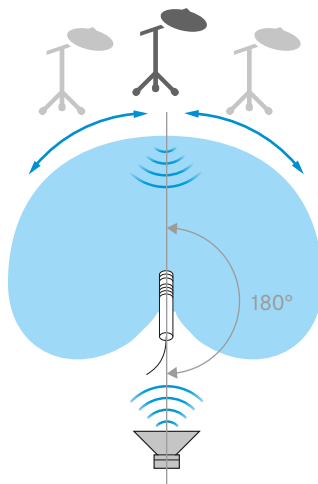
Pos.	Commentary
A	Position the microphone a few centimetres above the outer edge of the hi-hat aiming down. If necessary, remove unwanted low-frequency signal portions by high pass filtering.
B	Good starting position for live miking applications. If the overhead microphones are only used for picking up the cymbals, unwanted signal portions can be attenuated by high pass filtering.



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).

### 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°).





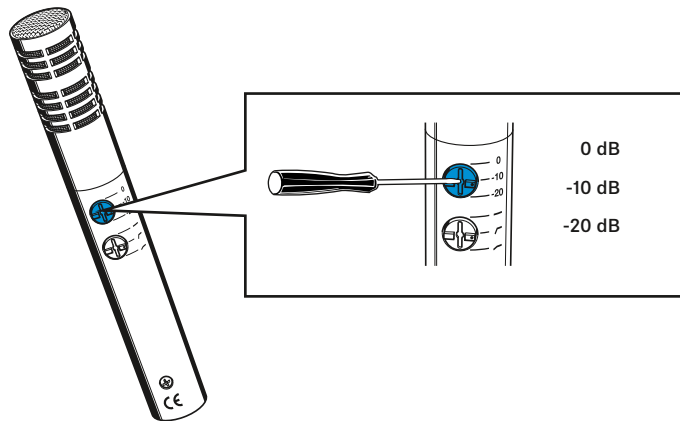
## Sensitivity and bass filter

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

### Adjusting the sensitivity

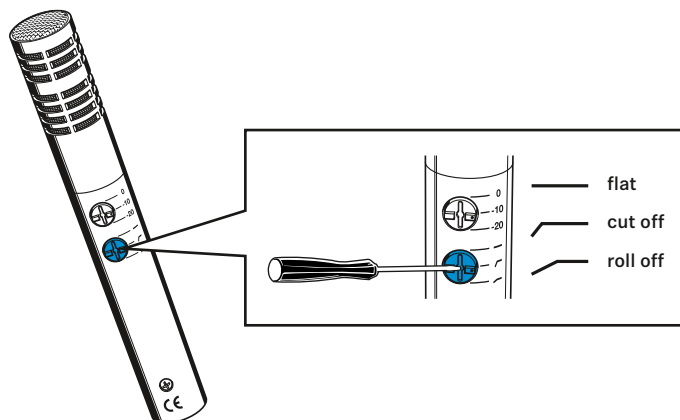
The microphone sensitivity can remain unchanged (0) or be reduced by 10 dB or 20 dB. The latter is recommended when there is a risk that the microphone or subsequent microphone input is overmodulated, e.g. due to high sound pressure levels from drums, brass instruments, etc.

**i** 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

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.





## Cleaning and maintaining the e 914

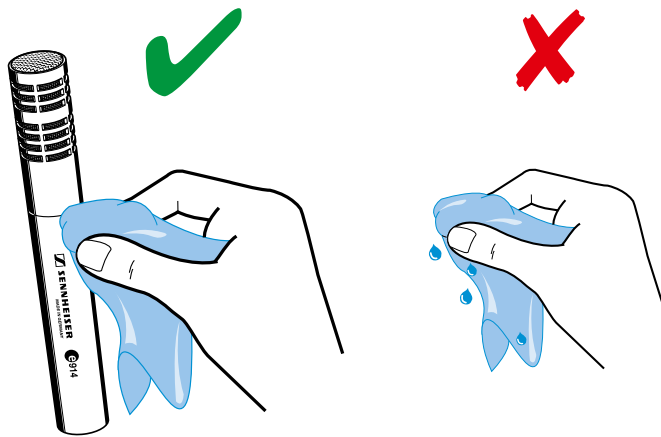
---

### 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.
- 
- ▷ 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.

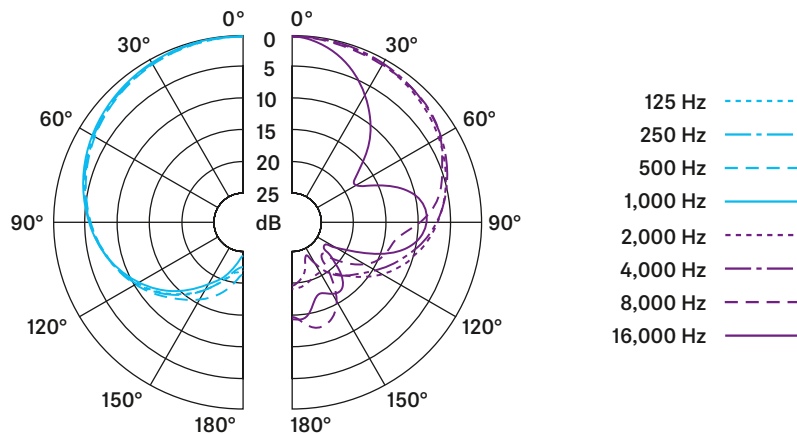




## Specifications

Transducer principle	pre-polarised condenser microphone
Frequency response	20 - 20,000 Hz
Pick-up pattern	cardioid
Sensitivity (free field, no load) with pre-attenuation	7 mV/Pa 2.3 mV/Pa / 0.7 mV/Pa
Nominal impedance (at 1 kHz)	100 $\Omega$
Min. terminating impedance	1 k $\Omega$
Max. sound pressure level (at 1 kHz)	137/147/157 dB SPL (depending on pre-attenuation)
Equivalent noise level	
A-weighted	24 dB
CCIR-weighted	34 dB
Pre-attenuation	0 dB, -10 dB, -20 dB
Bass filter	linear roll-off 130 Hz, 6 dB/oct. cut-off 85 Hz, 18 dB/oct.
Phantom powering	48 V / 2.2 mA
Connector	XLR-3
Dimensions	$\varnothing$ 24 x 157 mm
Weight	198 g

### Polar pattern



### Frequency response

