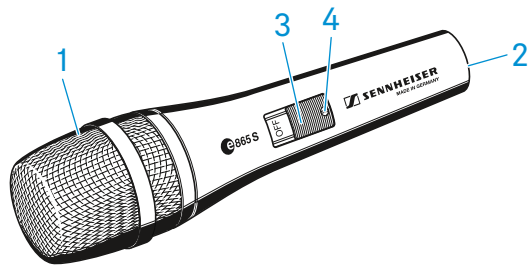# e 865/e 865 S

Instruction manual

Delivery includes

- e 865 / e 865 S
- MZQ 800 microphone clamp
- pouch
- quick guide
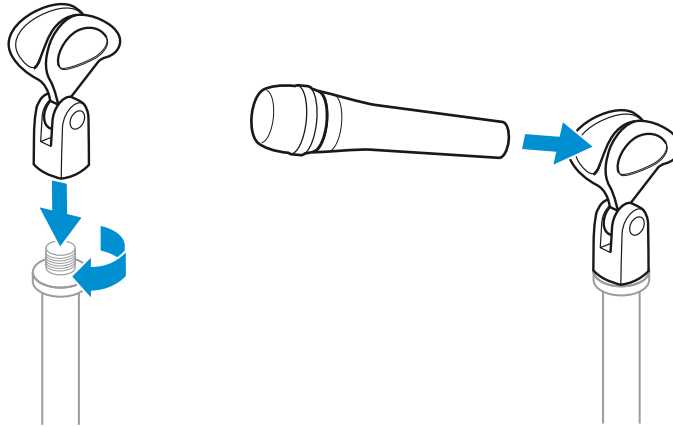- safety guide

Product overview

1. Sound inlet basket
2. XLR-3 connector
3. On/off switch (e 865 S only)
4. Screw (e 865 S only)

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.

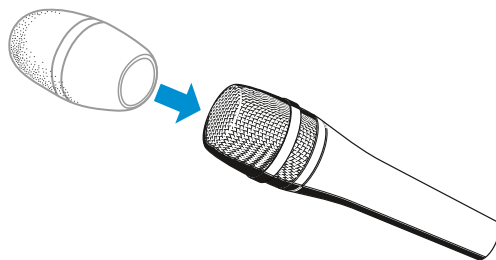## Connecting the microphone

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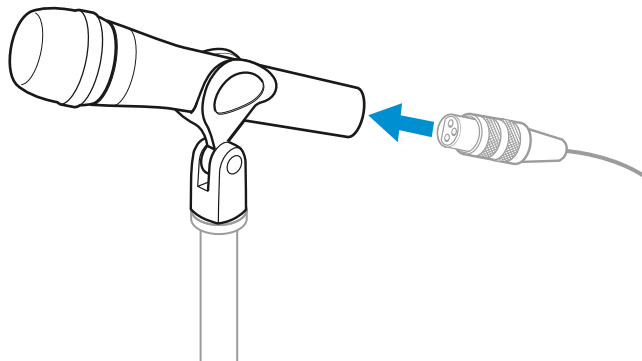
Using the windshield

▷ Place the MZW 4032 (optional accessories) windshield over the microphone head.
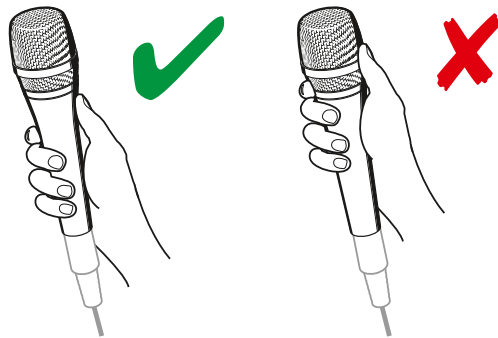
Operation

Holding the microphone

If you cover the microphone head during transmission, this will change the pick-up pattern of the microphone and consequently the sound.

▷ Only hold the microphone by its body.

Positioning the microphone

▷ It is vital to observe the following notes:

Position	Resulting sound	Commentary
A	High proximity effect (large bass boost) Powerful, direct sound	Very little crosstalk from other sound sources
B	Less proximity effect (less bass boost) Some room ambience, natural, balanced sound	More crosstalk from other sound sources
C	Very little proximity effect (minimal bass boost) More room ambience, indirect sound	Higher crosstalk from other sound sources

A   B   C

5-10 cm   >10 cm
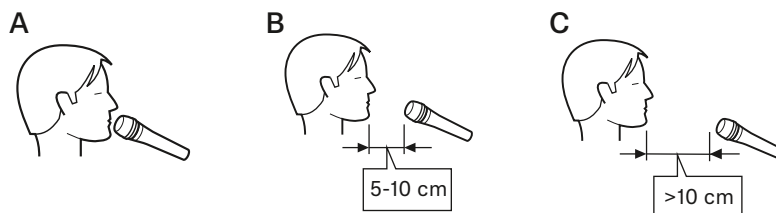
If sibilance occurs:

▷ Position the microphone slightly to the side and not directly in front of the mouth.

Positioning the monitor loudspeakers

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

135°
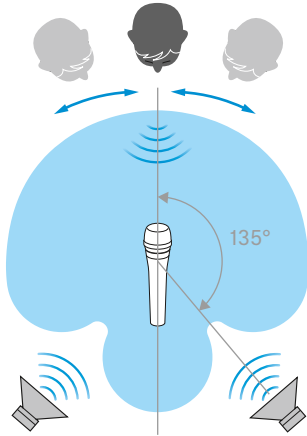
Switching the e 865 S on/off

▷ Use the on/off switch to switch the the e 865 S on or off.

▷ If necessary, use the screw to lock the on/off switch in the „on" position.

ON   OFF

always

ON   ON

Cleaning and maintaining the e 865 / e 865 S

CAUTION

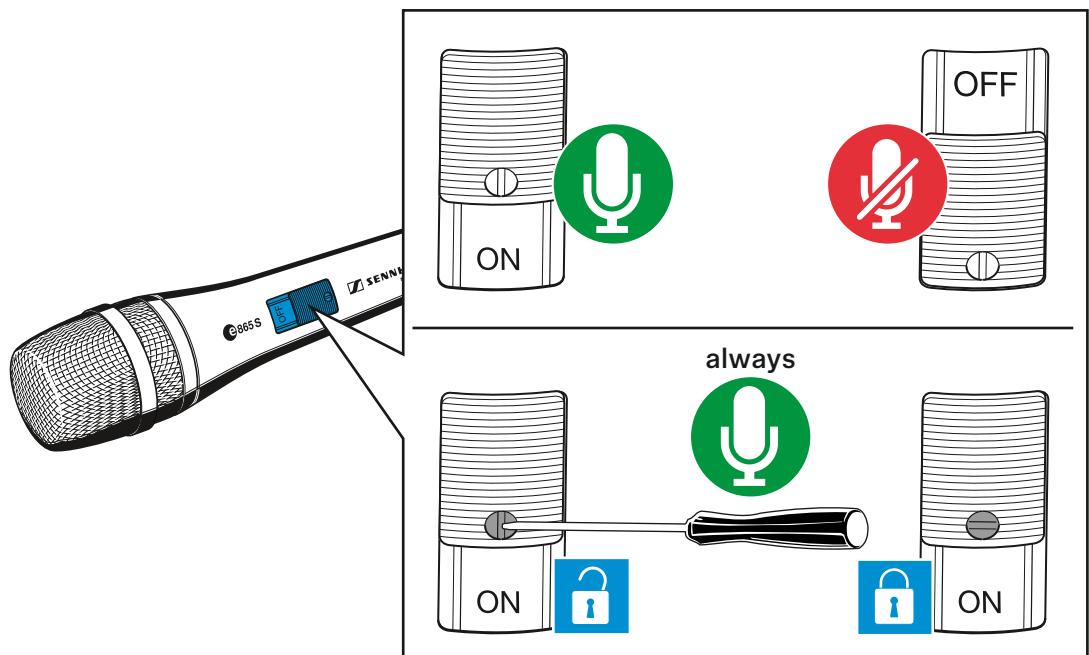LIQUIDS CAN DAMAGE THE ELECTRONICS OF THE PRODUCT!

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.

Cleaning the sound inlet basket of the microphone module

▷ Unscrew the sound inlet basket.

▷ Remove the foam insert from the sound inlet basket.

▷ Use a slightly damp cloth to clean the sound inlet basket from the inside and ouside.

▷ If necessary, clean the foam insert with a mild detergent or replace the foam insert.

▷ Dry the foam insert.

▷ Reinsert the foam insert.

▷ Replace the sound inlet basket on the microphone head and screw it tight.
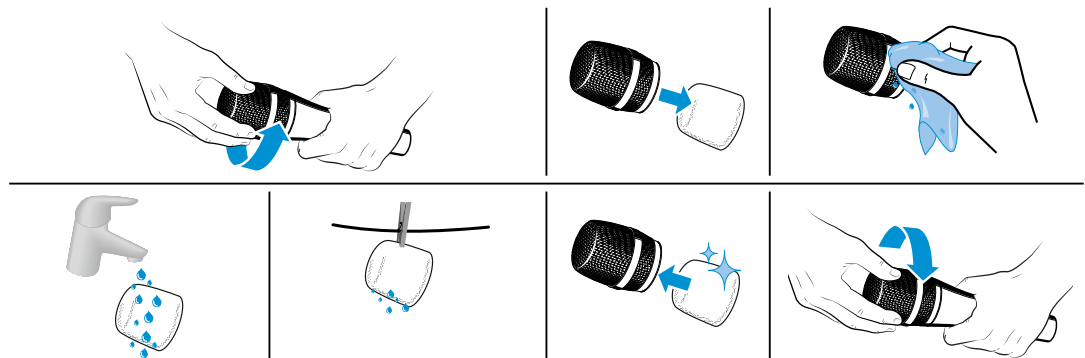
Specifications

Transducer principle	pre-polarized condenser microphone
Frequency response	40 - 20,000 Hz
Pick-up pattern	super-cardioid
Sensitivity (free field, no load)	3 mV/Pa
Nominal impedance (at 1 kHz)	200 Ω (balanced)
Min. terminating impedance	1 kΩ
Max. sound pressure level (at 1 kHz)	150 dB
Phantom powering	12 - 48 V
Connector	XLR-3
Temperature range	0 °C to +40 °C
Dimensions	Ø 47 x 193 mm
Weight	311 g

Polar pattern

125 Hz	
250 Hz	
500 Hz	
1,000 Hz	
2,000 Hz	
4,000 Hz	
8,000 Hz	
16,000 Hz	

Frequency response

0°, 1 m

Connector assignment

XLR — XLR
XLR
BALANCED
XLR — 6.3 mm
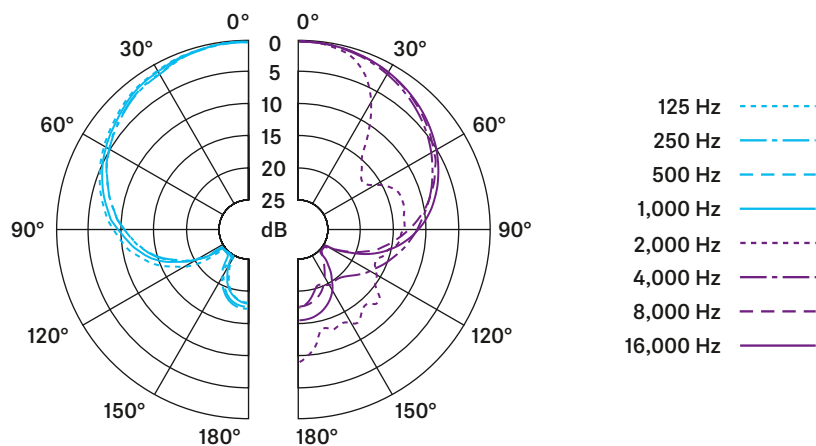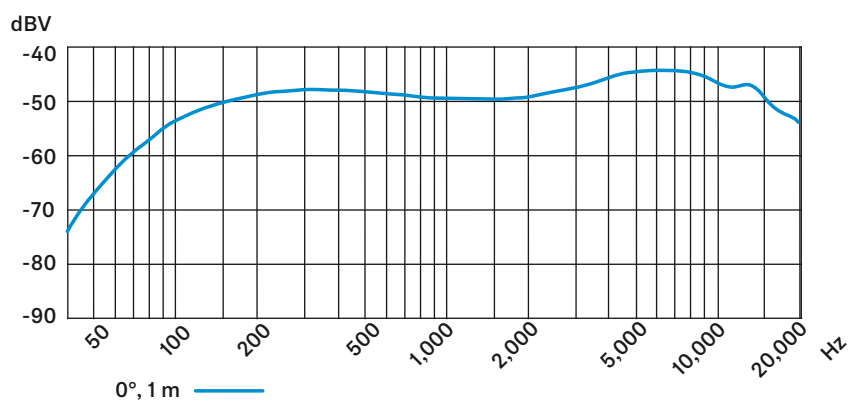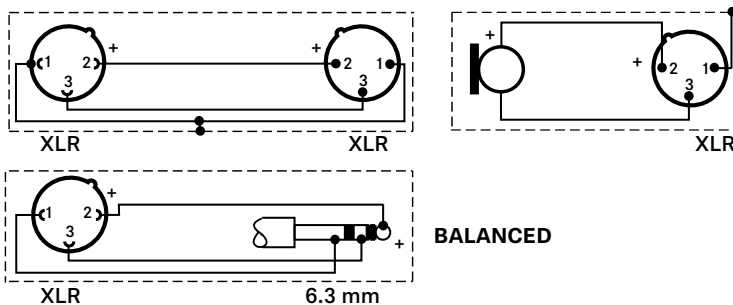
Overview of applications

● Primary application

● Secondary application

Model	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	HP	Mic
e 602 II					●		●		●	●		●(P)			●			●	
e 604					●								●(P)	●	●	●		●	
e 608			●(P)										●	●		●			●
e 609 silver								●(P)					●	●	●	●			●
e 614			●	●		●(P)	●				●					●	●(P)		●
e 835	●(P)	●																●	
e 845	●(P)	●																	●
e 865	●(P)	●																	●
e 901											●	●(P)						●	
e 902									●	●		●(P)		●				●	
e 904					●								●(P)	●	●	●		●	
e 906								●(P)					●	●	●	●		●	
e 908					●(P)								●(P)	●	●	●		●	
e 914			●(P)	●			●(P)	●			●					●	●(P)	●	
e 935	●(P)																	●	
e 945	●(P)																		●
e 965	●(P)	●				●												●	●