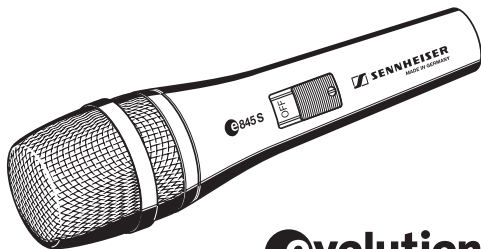
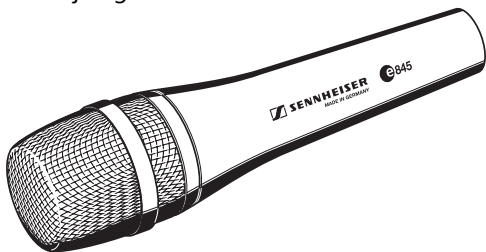


**e845****e845 S**

Bedienungsanleitung  
Instructions for use  
Notice d'emploi  
Istruzioni per l'uso  
Instrucciones para el uso  
Gebruiksaanwijzing

**evolution**

## ☎845 / ☎845 S

The ☎845 is a high-performance lead vocal microphone, specially designed for rough stage use. Due to its extended high-frequency response and super-cardioid pick-up pattern, the ☎845 ensures vocal projection through high on-stage sound levels.

The microphone has a smooth, warm tonal response and full dynamic range. The presence boost ensures vocal clarity and projection.

The balanced frequency response maintains signal quality when moving on and off axis during performance. The minimal proximity effect provides for consistently clear bass-end performance when singing closer to, or further from the microphone, providing greater on-stage freedom.

The super-cardioid pick-up pattern provides excellent feedback rejection. The rugged metal construction and internal damping isolates handling noise.

The ☎845 S variant features a silent ON/OFF switch.

## Features

- Rugged all metal body
- Full dynamic range and smooth frequency response for excellent signal quality
- Excellent feedback rejection
- Very good suppression of handling noise
- Humbucking coil

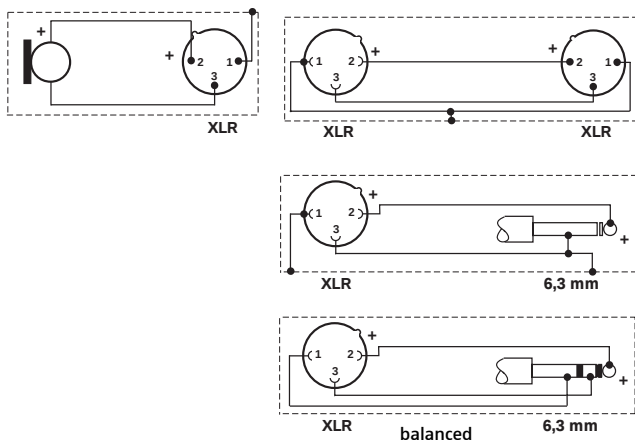
## Delivery includes

- **€845** microphone
- MZQ 800 microphone clamp
- Pouch
- Instructions for use
- Warranty Certificate

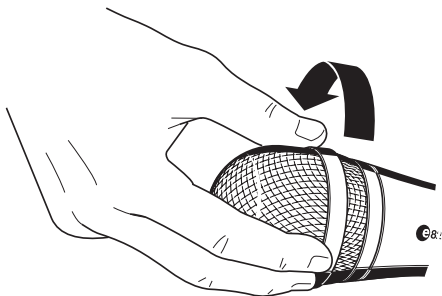
## ON/OFF switch (**€845 S** only)

Use the screw to lock the switch in the ON position. With the switch set in the ON position, gently turn the screw head 90° to lock the switch in position.

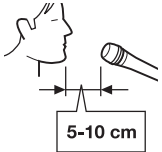
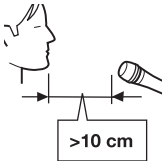
## Pin assignment of XLR-3 connector



## Removing the sound inlet basket



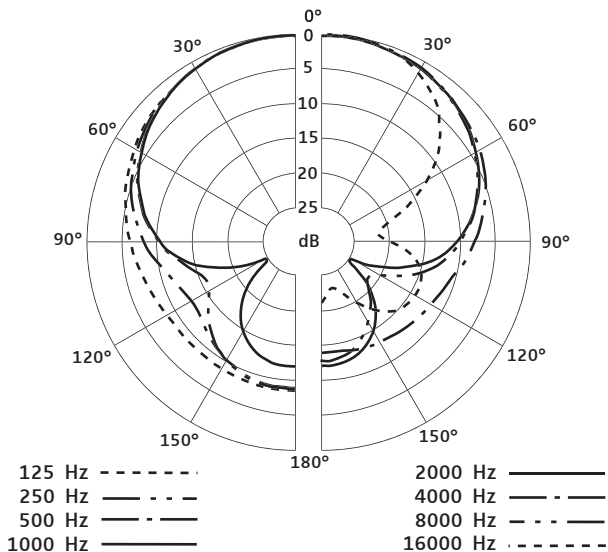
## Positioning the microphone

| Position                                                                         | Resulting sound                                                                                            | Commentary                                           |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
|  | High proximity effect<br>(much bass/<br>fundamental)<br><br>Powerful, direct sound                         | Very little crosstalk<br>from other sound<br>sources |
|  | Less proximity effect<br>(less bass/<br>fundamental)<br><br>Some room ambience,<br>natural, balanced sound | More crosstalk from<br>other sound sources           |
|  | Very little proximity<br>effect (little bass/<br>fundamental)<br><br>More room ambience,<br>indirect sound | Much crosstalk from<br>other sound sources           |

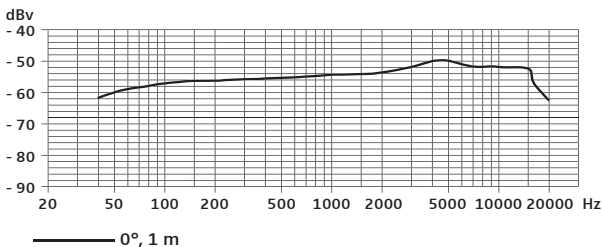
If sibilance or “popping” occurs, position the microphone not directly in front of the mouth but slightly to the side. In order to prevent feedback, position monitor loudspeakers so that they are located in the angle area of the highest cancellation of the microphone.

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.  $120^\circ$ ; see polar diagram).

## Polar diagram



## Frequency response curve



## Specifications

|                                               |                  |
|-----------------------------------------------|------------------|
| Transducer principle                          | dynamic          |
| Frequency response                            | 40.....16,000 Hz |
| Pick-up pattern                               | super-cardioid   |
| Sensitivity<br>(free field, no load at 1 kHz) | 1.8 mV/Pa        |
| Nominal impedance                             | 350 $\Omega$     |
| Min. terminating impedance                    | 1 k $\Omega$     |
| Connector                                     | XLR-3            |
| Weight                                        | 330 g            |
| Dimensions                                    | Ø 46 x L 185 mm  |

# Overview of microphone applications

| Variant \ Application        | e602-II | e604 | e606 | e608 | e614 | e815 | e825 | e835 | e840 | e845 | e865 |
|------------------------------|---------|------|------|------|------|------|------|------|------|------|------|
| Vocals                       |         |      |      |      |      | x    | x    | x    | x    | x    | x    |
| Choirs                       |         |      |      |      | x    |      |      |      |      |      |      |
| Studio, acoustic instruments |         |      |      |      | x    |      |      |      |      |      |      |
| Orchestra                    |         |      |      |      | x    |      |      |      |      |      |      |
| Brass / Saxophone            | x       | x    |      | x    |      |      |      |      |      |      |      |
| Acoustic guitar              |         |      |      |      | x    |      |      |      |      |      |      |
| Acoustic bass                |         |      |      |      | x    |      |      |      |      |      |      |
| Guitar amplifiers            |         |      | x    |      |      |      |      |      |      |      |      |
| Bass amplifiers              | x       |      |      |      |      |      |      |      |      |      |      |
| Leslie                       | x       | x    | x    |      |      |      |      |      |      |      |      |
| Piano, grand piano           |         |      |      |      | x    |      |      |      |      |      |      |
| Kick drums                   | x       |      |      |      |      |      |      |      |      |      |      |
| Snare drums                  |         | x    | x    | x    |      |      |      |      |      |      |      |
| Rack toms                    |         | x    | x    | x    |      |      |      |      |      |      |      |
| Floor toms                   | x       | x    | x    |      |      |      |      |      |      |      |      |
| Congas                       |         | x    | x    | x    |      |      |      |      |      |      |      |
| Cymbals                      |         |      |      |      | x    |      |      |      |      |      |      |
| Percussion                   |         | x    | x    | x    | x    |      |      |      |      |      |      |
| Overheads                    |         |      |      |      | x    |      |      |      |      |      |      |

## Manufacturer declarations

### Warranty

2 years

### Approval



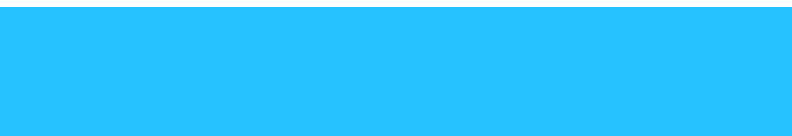
Sennheiser electronic GmbH & Co. KG declare that this device is in compliance with the applicable CE standards and regulations.

### WEEE Declaration



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





Sennheiser electronic GmbH & Co. KG  
30900 Wedemark, Germany  
Phone +49 (5130) 600 0  
Fax +49 (5130) 600 300  
[www.sennheiser.com](http://www.sennheiser.com)

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