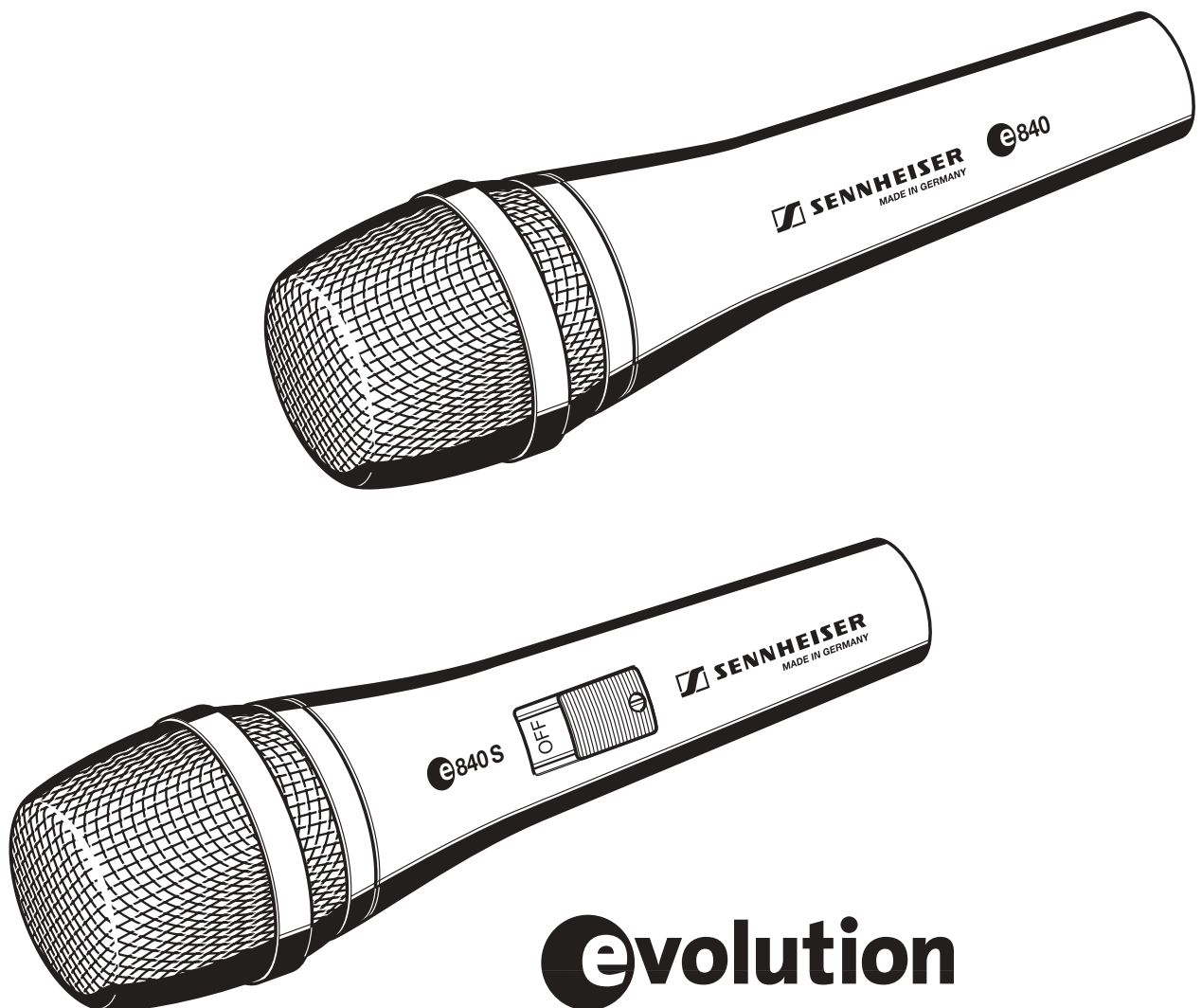


 e840

 e840 S

## Instructions for use



 evolution

Deutsch

English

Français

Italian

Español

Nederlands

## ☉840 / ☉840 S

The ☉840 has been engineered for the vocalist that needs the vocals to cut through the band. Due to its excellent acoustic properties, the ☉840 delivers a high signal output to cut through high on-stage sound levels with ease. A gentle presence boost to even tonal response 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.

The cardioid pick-up pattern provides excellent feedback rejection and good isolation from incidental rear noise. The rugged metal construction and internal damping isolates handling noise.

The ☉840 S variant features a silent ON/OFF switch.

## Features

- Rugged metal body
- Shock-mounted capsule
- Frequency-independent directivity
- Exceptional feedback rejection
- Excellent vocal projection
- Humbucking coil

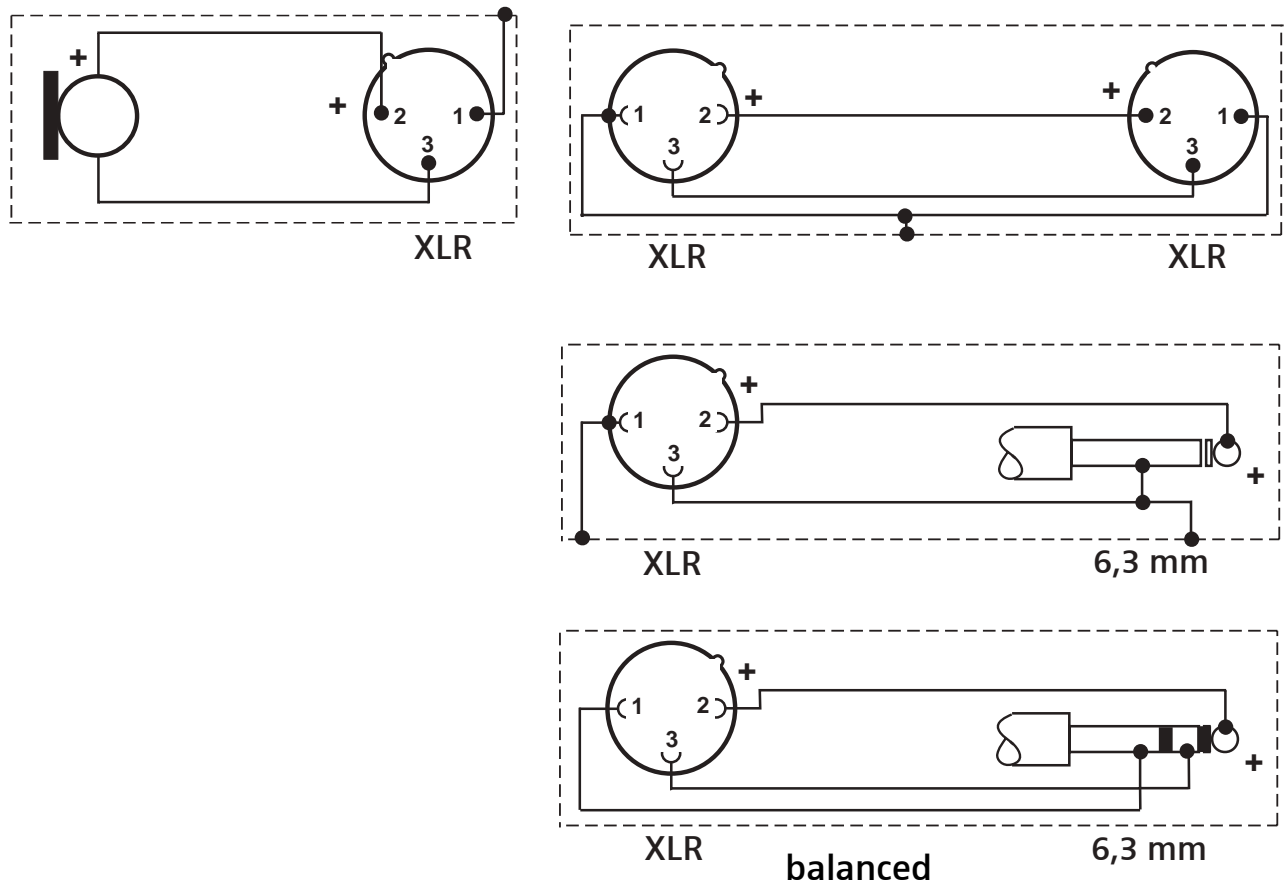
## Delivery includes

- 840 / 840 S microphone
- MZQ 800 microphone clamp
- Pouch
- Instructions for use
- Warranty Certificate

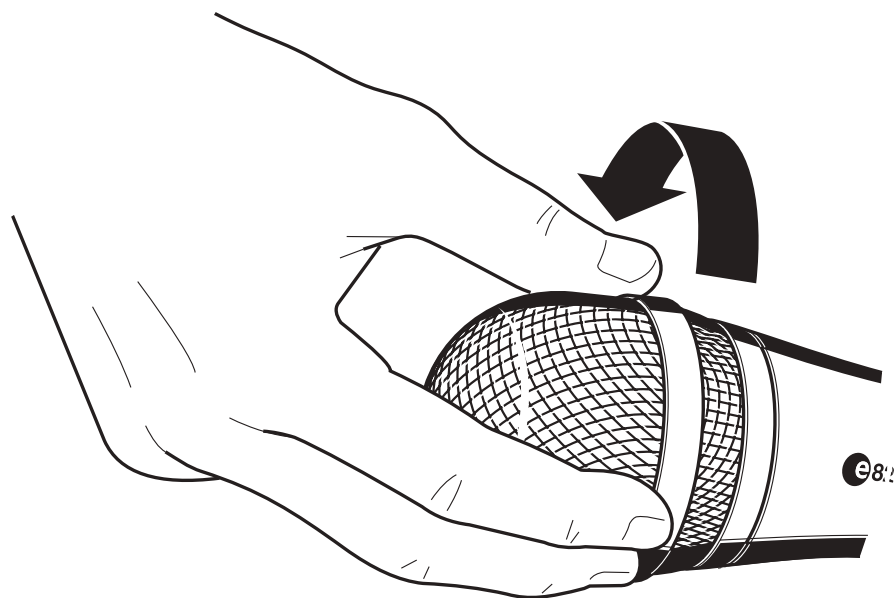
## ON/OFF switch (840 S only)

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.

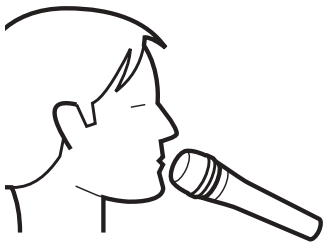
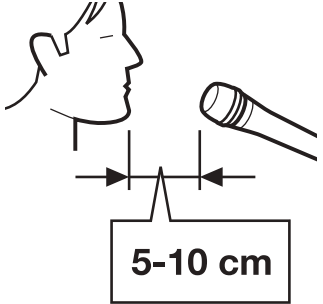
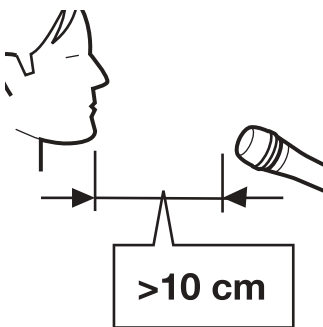
# Pin assignment of XLR-3 connector



# Removing the sound inlet basket



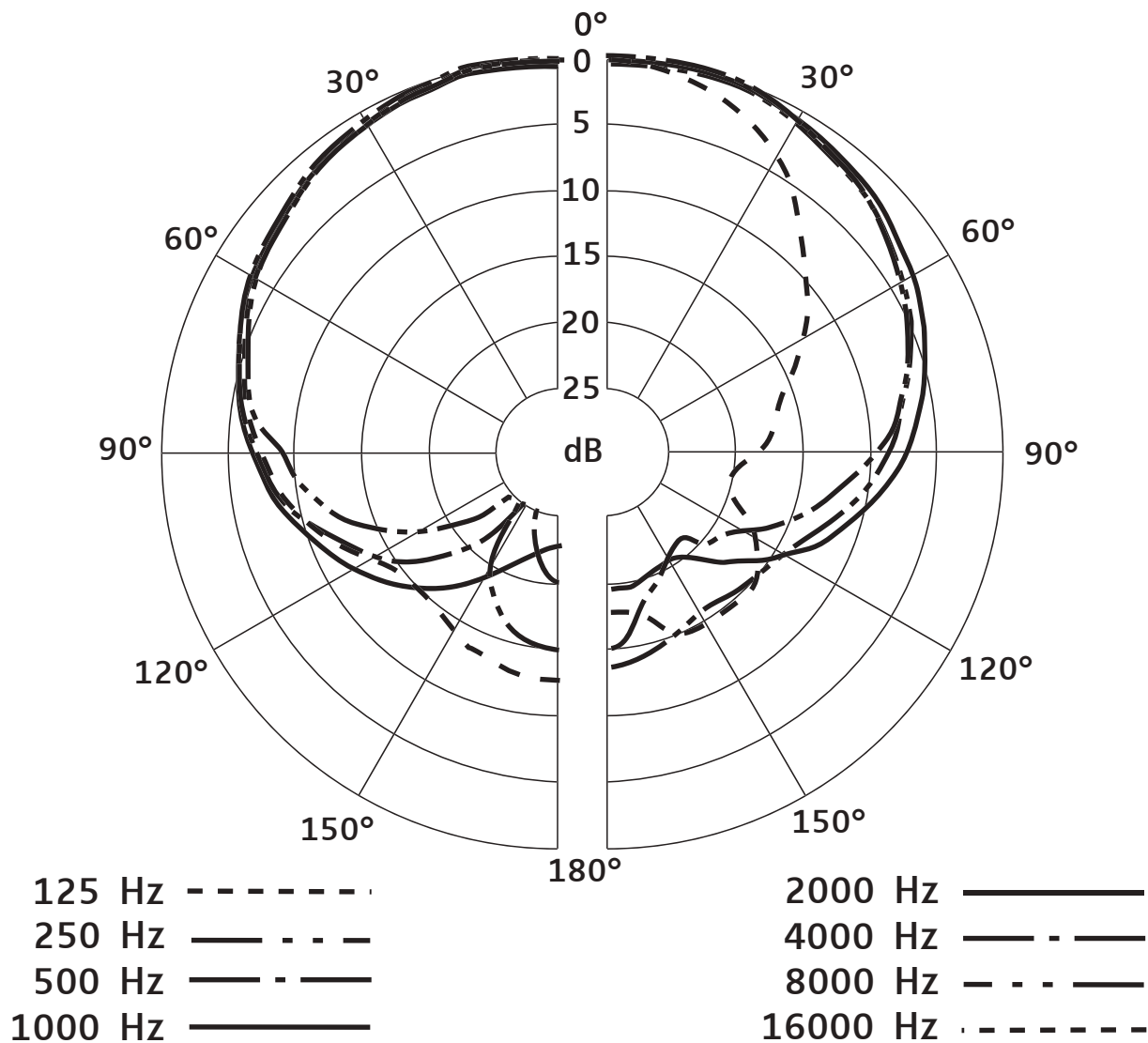
# Positioning the microphone

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

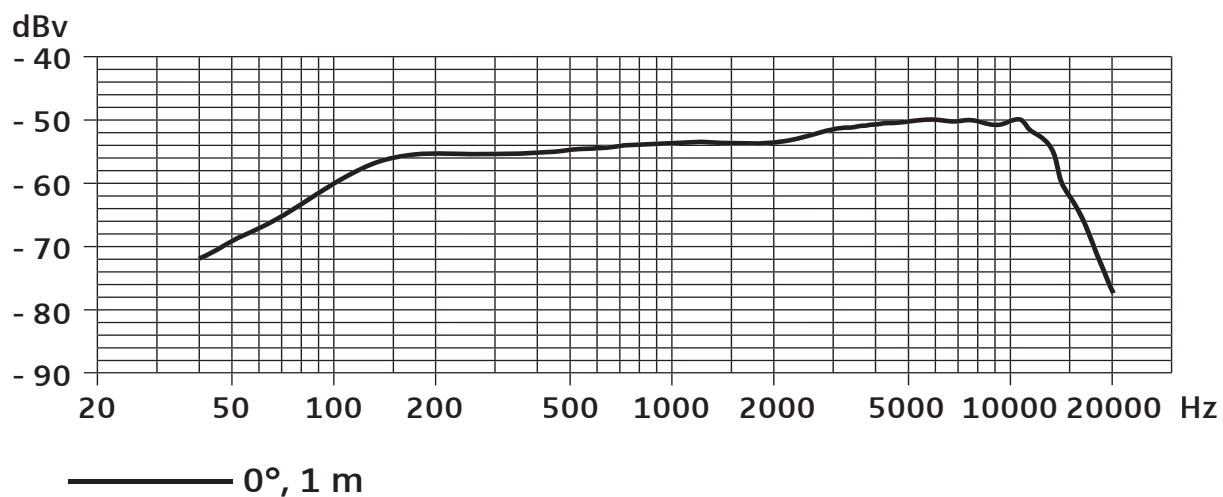
If sibilance or “popping” occurs, position the microphone not directly in front of the mouth but slightly to the side. In order to prevent feedback, position monitor loudspeakers so that they are located in the angle area of the highest cancellation of the microphone.

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. 150°; see polar diagram).

# Polar diagram



# Frequency response curve



## Specifications

Transducer principle	dynamic
Frequency response	40.....18,000 Hz
Pick-up pattern	cardioid
Sensitivity (free field, no load at 1 kHz)	2 mV/Pa $\pm$ 3 dB
Nominal impedance	350 $\Omega$
Min. terminating impedance	1 k $\Omega$
Connector	XLR-3
Weight	330 g
Dimensions	$\emptyset$ 47 x L 181 mm



# Overview of microphone applications

Application	Variant										
	e602	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

## Approval



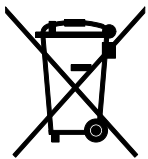
Sennheiser electronic GmbH & Co. KG declare that this device is in compliance with the applicable CE standards and regulations.

## Batteries or rechargeable batteries



Please dispose of batteries or rechargeable batteries as special waste or return them to your specialist dealer.

## 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.





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Printed in Germany

Publ. 01/06

511659/A02