



SPEECHLINE WIRED MICROPHONES

**Because every word counts.**

**SENNHEISER**

# SpeechLine Wired Microphones

## Because every word counts.

Great for both meetings and presentations, the SpeechLine Wired microphone series has been developed specially to deal with the spoken word and to guarantee top-class speech intelligibility.

SpeechLine Wired installation microphones provide versatile solutions for a variety of audio situations, and can be integrated seamlessly into any environment where the spoken word counts.



### Award winning design

Stylish, discreet design that fits seamlessly into any room



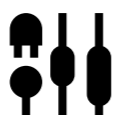
### Simple integration

Compatibility with all DSP systems; seamless integration into existing AV environments



### Optimised for speech

Clear sound and amazing quality, for any speech application and in any situation



### Versatile setup

The series' modular principle allows you to adapt your solutions flexibly for any number of different requirements

## Typical applications



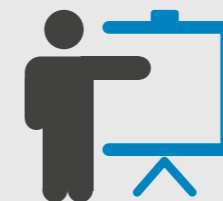
### Lectern

Trusted by world leaders for their reliable operation and absolute speech intelligibility, the SpeechLine Wired microphones help you deliver the perfect speech at the lectern.



### Remote Conferencing

Remote conferencing requires more than just a microphone. It requires an audio solution that fits seamlessly into any meeting environment. The SpeechLine Wired microphones meet the highest audio quality and interoperability required for remote conferencing.



### Presentation

The SpeechLine Wired microphones with their dynamic audio range and a variety of gooseneck options, give you added flexibility during presentations - so you can focus on delivering the presentation and not worry about the technology.

## Boundary microphones



### MEB 102 / MEB 102-L

The MEB 102 (-L) boundary installation microphone is suitable for straightforward installation on tables or in ceiling elements (L variant = two-colour LED ring). Available in black and white.



### MEB 104 / MEB 104-L

The MEB 104 (-L) boundary installation microphone is suitable for straightforward installation on tables or in ceiling elements (L variant = two-colour LED ring). Available in black and white.



### MEB 114

Thanks to its sturdy housing and high-quality microphone capsule, the MEB 114 guarantees optimum speech intelligibility. Available in black and white.



### MEB 114-S

With the same characteristics of MEB 114, the MEB 114-S variant features two-colour LED ring for status display. Available in black and white.



## Gooseneck microphones



### ME 34, ME 35, ME 36

The ME 34 (cardioid) and ME 35 (super cardioid) condenser microphone heads are incredibly versatile capsules with great acoustic performance. The ME 36 (super-cardioid/interference tube) mini shotgun microphone offers outstanding background noise suppression. Available in black and white.



### MZH 30xx SERIES

The matt-black-painted goosenecks are suitable for use with ME 34, ME 35 and ME 36. They are available in the lengths 15, 40, 60 and 70 cm and optionally integrated light ring. The "xx" denotes the length (in cm) of the gooseneck microphone.



### MEG 14-40(-L), MEG 14-40-L-II

The MEG 14-40 is a flexible, 40 cm gooseneck microphone with an XLR-3 connection and built-in Sennheiser KE10 cardioid microphone capsule. The L variants feature an LED ring that indicates when the user has permission to speak.

## Table stands



### MAT 133 B / MAT 133-S B

The MAT 133 is a sturdy, discreet table stand. The MAT 133-S B features a user-friendly microphone button with a two-colour status display that provides quick visual feedback on whether the microphone is active or muted.



### MAT 153-S + MEG 14-40-L-II

The MAT-153-S has a user-friendly microphone button with a two-colour status display that provides quick visual feedback. Combining it with a MEG 14-40-L-II makes installation easier than ever. Thanks to phantom power, the gooseneck/table stand pair can be connected using a single microphone cable. No further complicated cabling is required to activate the LED ring.



### MZS 31, MZT 30, MZT 30-L

The MZS 31 is an elastic fixed-installation shock mount for goosenecks that reduces the transmission of vibration noise through tables and lecterns. The MZT 30 and MZT-L table installation sockets are compatible with Sennheiser MZH goosenecks.

## Microphone activation



### MAS 1

The MAS 1 is a robust microphone button with an intuitive pictogram. Available in black and white.



### MAS 133

The MAS 133 is an XLR inline switch box for simple microphone control and status indication and can also be used without a DSP system. Connected between the microphone and the mixing desk, it supplies power to the MAS 1 microphone button.

## Ceiling Microphones



### MZC 30 + MZH 30

The ceiling microphone option 1 comprises the MZH 30 suspension in combination with the MZC 30 connection cable with a special coaxial connector for aligning the ME 34 microphone head.



### MZH 3015 / ME 36

The ceiling microphone option 2 comprises the MZH 3015 gooseneck in combination with the ME 36 microphone head, which guarantees excellent transmission quality even in acoustically challenging rooms. Available in black and white.

## Floor stands and Microphone



### MZFS 60 / MZFS 80 / SKP 300 G4

The MZFS 60 (60 cm height) or MZFS 80 (80 cm height) are the perfect floor stand for wireless speech microphones. The stands can be combined with the MZH goosenecks and ME microphone heads and converted to wireless operation using a SKP plug-on transmitter.



### MZH 3072 / ME 36

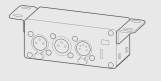
In applications of standing spokesperson, the ME 36 microphone head guarantees excellent acoustic performance, even when speaking into it from a greater distance.

## Speechline wired microphones



Specification	MEB 114	MEB 114-S	MAS 1
Colour			LED light ring:red / green
Connector	tiny XLR-3Pin assignment	Terminal block 5-pin	XLR-5M out Pin assignment
Current consumption	1.5 mA	5.3 mA	LED ring: 3 mA
Dimensions	85 x 100 x 25 mm (W x D x H)	85 x 100 x 25 mm (W x D x H)	H: 81 mm (8 mm above surface) Ø: 28.5 mm
Dynamic range	111 dB(A)	111 dB(A)	
Equivalent noise level	29 dB(A)	29 dB(A)	
Equivalent noise level weighted as per CCIR 468-3	39 dB (CCIR)	39 dB (CCIR)	
Frequency response	40 Hz – 20 kHz	40 Hz – 20 kHz	
Phantom powering	P 24 - P 48	P 24 - P 48	12 V (1.5 mA max.)
Pick-up pattern	cardioid	cardioid	
Sensitivity	10 mV / Pa	10 mV / Pa	
Transducer principle	pre-polarized condenser microphone	pre-polarized condenser microphone	
Weight	291 g	291 g (w/o cable)	60 g

## Speechline wired microphones



Specification	MEB 102	MEB 104-L	MAS 133
Connector	Terminal block 5-pin		Mic in: XLR-3F Mic out: XLR-3M Pin assignment: 1 = gnd, 2 = +, 3 = - Switch in: XLR-5F Connector: 1 = gnd, 2 = Switch, 3 = LED red -, 4 = LED green -, 5 = LEDs +12 V out
Current consumption			4.5 mA
Dimensions	H : 83 mm (12 mm above surface) Ø : 28.5 mm	H : 90 mm (19 mm above surface) Ø : 28.5 mm	14.4 x 7.63 x 3.15 cm (W x D x H)
Dynamic range	104 dB(A)	97 dB(A)	
Equivalent noise level	21 dB(A)	28 dB(A)	
Equivalent noise level weighted as per CCIR 468-3	31 dB (CCIR)	38 dB (CCIR)	
Frequency response	40 Hz – 20 kHz	40 Hz – 20 kHz	
Phantom powering	P 24 - P 48	P 24 - P 48	P 48
Pick-up pattern	omni-directional	cardioid	
Sensitivity	16 mV / Pa	14 mV / Pa	
Transducer principle	pre-polarized condenser microphone	pre-polarized condenser microphone	
Weight	58 g	60 g	212 g
Operating temperature			-10 °C - +50 °C
Output voltage			High level: > 2.4 V Low level: < 0.4 V



## IS microphones



Specification	ME 34	ME 35	ME 36
Current consumption	250 µA	250 µA	250 µA
Dimensions	ø 12 x L 18 mm	ø 12 x L 18 mm	Ø 8.2 x L 96 mm
Equivalent noise level	26 dB(A)	26 dB(A)	23 dB(A)
Equivalent noise level weighted as per CCIR 468-3	37 dB	37 dB	34 dB(A)
Frequency response (microphone)	40 Hz - 20 kHz	50 Hz - 20 kHz	40 Hz - 20 kHz
Impedance	50 Ω	50 Ω	50 Ω
Maximum sound pressure level (passive)	130 dB SPL	130 dB SPL	130 dB SPL
Min. terminating impedance	1 kΩ	1 kΩ	1 kΩ
Phantom powering	P12 - P48	P12 - P48	P12 - P48
Pick-up pattern	cardoid	super-cardioid	super-cardioid / lobar
Transducer principle (Microphone)	pre-polarised condenser microphone	pre-polarised condenser microphone	pre-polarised condenser microphone
Weight	approx. 9 g	approx. 9 g	approx. 17 g

## IS microphones



Specification	MEG 14-40	MAT 133•MAT 133-S	MAT 153-S
Connector	XLR 3M	XLR-3F, Pin assignment: 1 = Ground 2 = Positive (+) 3 = Negative (-)	XLR-5F, Pin assignment: 1 = gnd    4 = LED (-) 2 = hot (+)    5 = LED (+) 3 = cold (-)
Current consumption	3 mA	1.9 mA	3.7 mA
Dimensions	L 450 mm	120 x 170 x 43 mm (W x D x H)	120 x 170 x 43 mm (W x D x H)
Equivalent noise level	26 dB(A)		
Equivalent noise level weighted as per CCIR 468-3	37 dB		
Frequency response (microphone)	50Hz - 20 kHz		
Impedance	< 100 Ω		
Maximum sound pressure level (passive)	130 dB(SPL)		
Phantom powering	P 12 - P 28	P 24 - P 48	P 24 - P 48
Pick-up pattern	cardioid		
Power supply	P 12 - P 48		
Transducer principle (Microphone)	pre-polarised condenser microphone		
Weight	147 g	1.21 kg	1.21 kg

