



# MKE 1

Model: MKE 1-4  
MKE 1-4-1  
MKE 1-4-2  
MKE 1-4-3  
MKE 1-4-M  
MKE 1-5  
MKE 1-5-3  
MKE 1-ew  
MKE 1-ew-3

Instruction manual



**SENNHEISER**

## Important safety instructions

1. Read these safety instructions and the instruction manual of the product.
2. Keep these safety instructions and the instruction manual of the product. Always include all instructions when passing the product on to third parties.
3. Only use attachments, accessories and spare parts specified by the manufacturer.
4. Caution: The protective basket and pop shield must be completely dry when you mount them on the microphone. Moisture can cause malfunctions or damage to the capsule
5. Connect the microphone only to microphone inputs and supply units that provide 48V phantom powering in accordance with IEC 61938.
6. Do not attempt to open the product housing on your own. The warranty is voided for products opened by the customer.
7. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, liquid has been spilled or objects have fallen into the product, when the product has been exposed to rain or moisture, does not operate normally, or has been dropped.
8. Use the product only under the conditions of use listed in the specifications.
9. Let the product come to ambient temperature before switching it on.
10. Do not operate the product if it was damaged during transportation.
11. Always run cables so that no one can trip over them.
12. Keep the product and its connections away from liquids and electrically conductive objects that are not necessary for operating the product.
13. Do not use any solvents or aggressive cleaning agents to clean the product.
14. Caution: Very high signal levels can damage your hearing and your loudspeakers. Reduce the volume on the connected audio devices before switching on the product; this will also help prevent acoustic feedback.

## Intended use

The MKE 1 is a high-quality, sub-miniature, sweatresistant clip-on condenser microphone. It features excellent sound quality and rugged design. The frequency response curve has been optimized for stage, studio and reporting applications (ENG). The MKE 1 is fitted with a very thin (only 1 mm) yet extremely rugged cable, making this microphone an ideal partner for all live sound applications.

## Delivery includes

- MKE 1 microphone
- MZC 1-1 frequency response cap, small
- MZC 1-2 frequency response cap, large
- 3 make-up protectors
- Instruction manual
- MKE 1-4, MKE 1-4-1, MKE 1-5, MKE 1-ew: MZ 1

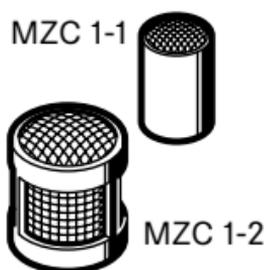
## Putting into operation

### Treble boost

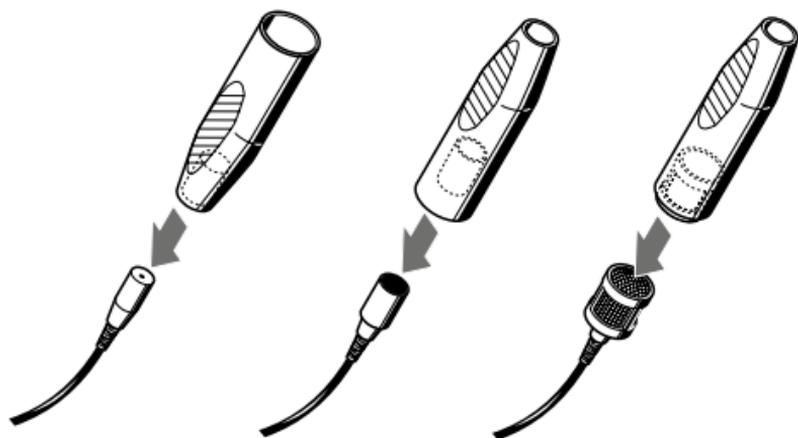
Your microphone is supplied with two different frequency response caps. These caps allow you to adjust the treble response of the microphone (see page 13).

In addition, the large frequency response cap attenuates wind noise by approx. 15 dB and provides an extended protection against the ingress of moisture.

- ▷ Slip the cap of your choice onto the microphone until it locks into place.



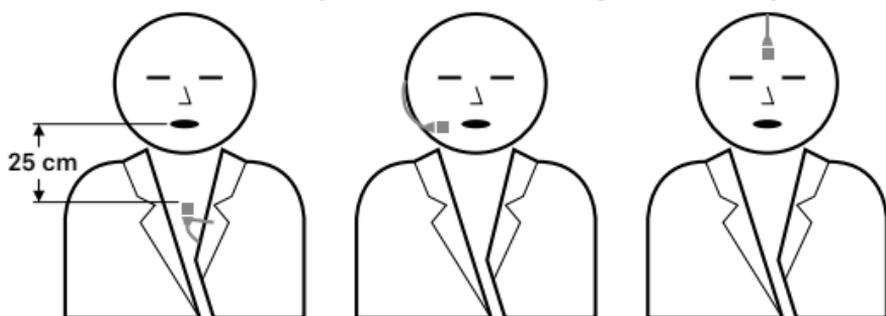
## Make-up protection



- ▷ When putting on make-up or hair spray, protect the MKE 1 by slipping the make-up protector onto the microphone (with or without frequency response cap).
- ▷ Only remove the make-up protector after makeup has been completed.

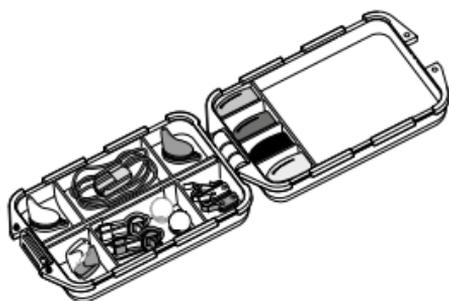
## Attachment of the microphone

Depending on the area of application, you can attach the MKE 1 in different ways to either clothing or the body.



To do so, use the optional MZ 1 accessory kit (Art. no. 504060), that offers multiple and secure attachment possibilities.

The clips, holders and mounts are suitable for almost any wearing situation and ensure optimum sound quality.

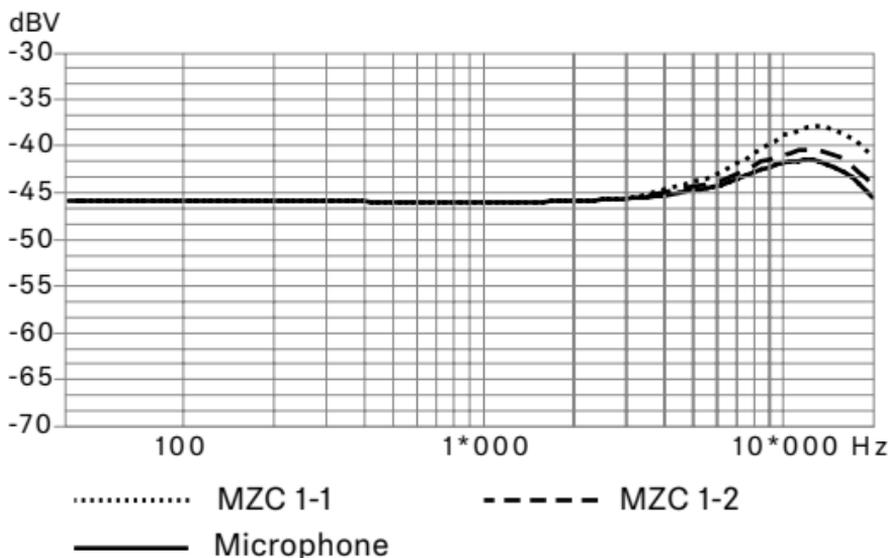


## Specifications

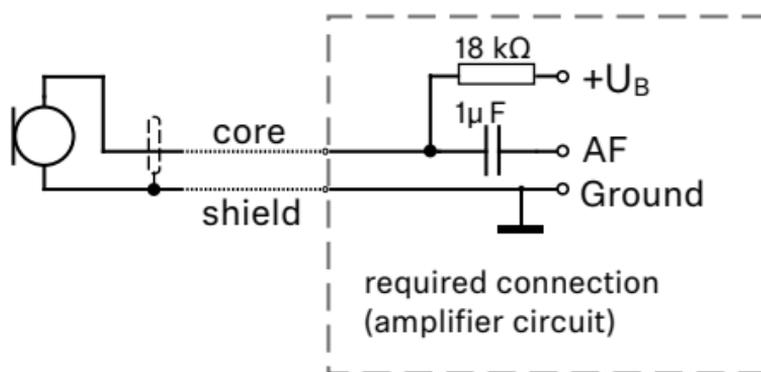
Pick-up pattern	Omni-directional
Frequency range	20 – 20,000 Hz, $\pm$ 2.5 dB
Free-field open-circuit sensitivity (1 kHz)	5 mV/Pa, $\pm$ 2.5 dB
Rated impedance	1000 $\Omega$
Min. terminating impedance	4.7 k $\Omega$
Equivalent noise level	
A-weighted	27 dB
CCIR-weighted	39 dB
Sound pressure level limit	142 dB
Cable length	1.6 m
Diameter of the microphone	3.3 mm
Weight (w/o connector and cable)	0.1 g

MKE 1	Color	Connector
-4	black	3-Pin
-4-1	white	3-Pin
-4-2	brown	3-Pin
-4-3	beige	3-Pin
-4-M	almond white	3-Pin
-5	black	open-ended cable
-5-3	beige	open-ended cable
-ew	black	3,5 mm Jack plug
-ew-3	beige	3,5 mm Jack plug

## Frequency response



## Pin assignment with open-ended cable



## Manufacturer declarations

### Warranty

Sennheiser electronic GmbH & Co. KG gives a warranty of 24 months on these products.

For the current warranty conditions, please visit our website at [www.sennheiser.com](http://www.sennheiser.com) or contact your Sennheiser partner.

In the US please contact:

Sennheiser Electronic Corporation

1 Enterprise Drive, Old Lyme, CT 06371

[www.sennheiser.com](http://www.sennheiser.com)

## In compliance with the following requirements

EU: • WEEE Directive (2012/19/EU)

UK: • WEEE Regulations (2013)



### Notes on disposal

The symbol of the crossed-out wheeled bin on the product, the battery/rechargeable battery (if applicable) and/or the packaging indicates that these products must not be disposed of with normal household waste, but must be disposed of separately at the end of their operational lifetime. For packaging disposal, please observe the legal regulations on waste segregation applicable in your country.

Further information on the recycling of these products can be obtained from your municipal administration, from the municipal collection points, or from your Sennheiser partner.

The separate collection of waste electrical and electronic equipment, batteries/rechargeable batteries (if applicable) and packagings is used to promote the reuse and recycling and to prevent negative effects caused by e.g. potentially hazardous substances contained in these products. Here-with you make an important contribution to the protection of the environment and public health.

### UK Declaration of conformity

- RoHS Regulations (2012)
- EMC Regulations (2016)

### EU Declaration of conformity

- RoHS Directive (2011/65/EU)
- EMC Directive (2014/30/EU)

The full text of the EU declaration of conformity is available at the following internet address:

[www.sennheiser.com/download](http://www.sennheiser.com/download)

## Compliance

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Europe



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UK



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China



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Vietnam

Kể từ ngày 1 tháng 12 năm 2012, các sản phẩm được sản xuất bởi Sennheiser tuân thủ Thông tư 30/2011/TT-BCT quy định về giới hạn cho phép đối với một số chất độc hại trong các sản phẩm điện và điện tử.

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