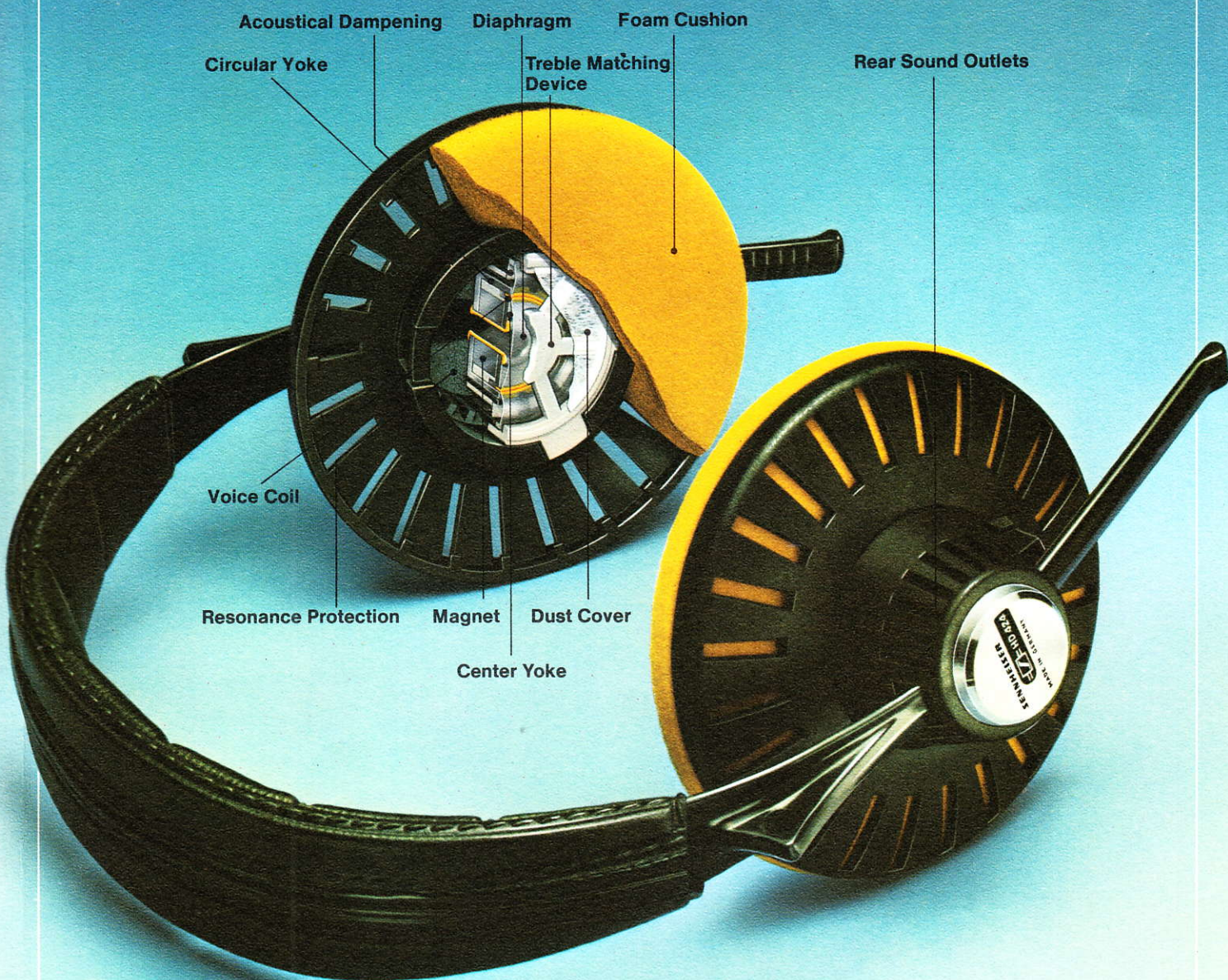








Complete product line with extensive descriptions and technical data. We reserve the right to alter specifications, in particular, with regard to technical improvements.
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micro-revue

8



How to Choose the Best Microphone for my Application

-  very suitable
 suitable
 not recommended
 together with Mikroport

MKH 815 T	MKH 415 T	MKH 435 T	MKH 125 T	MKH 124 T	MKH 816 P 48	MKH 416 P 48	MKH 406 P 48	MKH 126 P 48	MKH 110	MKH 110-1	MKH 105 T
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Areas of application:	Examples for application:	Suitability:										
Cassette Recorders	Radio Recorder											
	Cassette Recorder MONO											
	Cassette Recorder STEREO											
	Small Home Type Recorders											
HiFi Tape Recorders	HiFi Cassette Recorder											
	High Quality Tape Recorders											
	Professional Tape Recorders											
	Sophisticated Home HiFi Systems											
Professional Audio	Sound Systems											
	Studio Installations											
	Radio and TV News											
	Sound Systems for Musicians											
Public Address Systems	Paging Systems											
	Dispatch-control Desk											
	Airports and Railway Stations											
	Department Stores											
Measuring Equipment	Product Testing											
	Quality Control											
	Laboratory Research											
	Industrial Development											
Lecturer and Soloists	Stage											
	Auditoriums											
	Conference Rooms											
	Churches											
Natural Science	Recording of Animals											
	Regional Supervision in Wildlife Sanctuaries											
	Behavioral Research											
Film and Photography	Sound Recordings for Home Movies											
	Sound Track Recordings for Prof. Films											
	Sound Recordings for Slide Shows											

- A 1** My signals are:
a) in the audio range (→ A 4)
b) in the infrasonic range (→ A 2)
c) in the ultrasonic range (→ A 3)

A 2 Please read the article in this Micro-Revue about the special microphones MKH 110 and MKH 110-1. Proceed to → S.

A 3 Ultrasonic microphones are manufactured for industrial users only. OEM customers are invited to send us their requests for information on ultrasonic transducers.

A 4 For acoustical or technical purposes, I would like to do pinpoint measurements in sound fields.

Yes → A 5, No → A 6

A 5 MD 321, then proceed to → S.

A 6 I cannot use microphone cables and therefore need a wireless link.

Yes → Refer to Produkt Group 7,
No → A 7

A 7 I would like to make recordings using the binaural stereo technique.

Yes → MKE 2002, No → A 8

A 8 I prefer:

- a) dynamic microphones (→ D 1)
b) condenser microphones (→ K 1)

D 1 It is possible for me to take advantage of the balanced, low impedance connection system.

Yes → D 3, No → D 2

D 2 I would still like to use the balanced, low impedance technique by means of suitable extension cords and cable transformers.

Yes → D 3, No → D 4

D 3 MD... N, -2 and -U: 430, 408, 418, 21, 413, 416, 421, 214, 211, 441, → D 7.

D 4 Unbalanced or different impedance: MD 402, 412 → D 5.

D 5 I require:

- a) moderate price range for semi-professional purposes (MD 402 LM)
b) hi-fi quality for semi-professional purposes (MD 412 LM)

D 6 Occasionally, I have requirements for wireless microphones.

Yes → D 7, No → D 8

D 7 By means of a suitable connecting cord, all microphones listed under D 3 can be used in conjunction with transmitters SK 1007 or SK 1008. Different cable versions are available. → D 9

D 8 I need the microphone for paging and announcing.

Yes → D 9, No → D 14

D 9 MD 430, 408, 418 → D 10

D 10 My paging/announcing/lecturing microphone should be permanently installed.

Yes → D 12, No → D 11

D 11 I need:

- a) short-length version for assembly on a flexible shaft (MD 430-9)
b) Microphone with switch (MD 430-2-T)

c) Standard model without switch (MD 430-2)

D 12 MD 408, 418 → D 13

D 13 I would also like to use my paging/conference microphone for the reproduction of talkback signals.

Yes → MD 418, No → MD 408

D 14 I need an inconspicuous microphone which guarantees freedom of movement, without having to revert to a wireless microphone.

Yes → MD 214, No → D 15

D 15 I am looking for a performer's microphone, mainly for vocals.

Yes → D 16, No → D 21

D 16 MD 413, 416 → D 17

D 17 My requirements include maximum obtainable suppression of handling noise.

Yes → D 18, No → D 19.

D 18 MD 416 → D 20

D 19 MD 413 → D 20

D 20 For music recording purposes, I need a studio microphone exceeding the usual performance characteristics of microphones for vocalists.

Yes → D 23, No → D 16

D 21 I have decided on dynamic studio microphones.

Yes → D 23, No → D 22

D 22 You have arrived at a dead end, please reconsider your requirements. → A 8

D 23 MD... N, -2, -U: 21, 421, 211, 441 → D 24

D 24 Prevention of acoustical feedback, high ambient noise conditions or use for stereo recordings require a directional microphone.

Yes → D 27, No → D 25

D 25 MD 21, 211 → D 26

D 26 I need:

- a) a very rugged microphone also suitable for correspondents and interviewers. (MD 21)
b) a small stylish microphone especially suitable for entertainers. (MD 211)

D 27 MD 421, 441 → D 28

D 28 Aside from offering a number of selectable frequency responses, the microphone should feature minimized handling noises.

Yes → MD 441 N, -U
No → MD 421 N, -U-4

K 1 I require:

- a) a semi-professional microphone (→ K 2)
b) a professional microphone (→ K 9)

K 2 I am looking for a low impedance model with professional remote powering.

Yes → K 6, No → K 3

K 3 MKE 201, 401, 801 → K 4

K 4 Prevention of acoustical feedback, high ambient noise conditions or use for stereo recordings call for a directional microphone.

Yes → K 5, No → MKE 201

K 5 For distant sound sources, e.g. bird watching, I need an extremely unidirectional microphone.

Yes → MKE 801, No → MKE 401

K 6 MKE 202, 402, 802 → K 7

K 7 Prevention of acoustical feedback, high ambient noise conditions or use for stereo recordings call for a directional microphone.

Yes → K 8, No → MKE 202

K 8 For distant sound sources, e.g. bird watching, I need an extremely unidirectional microphone.

Yes → MKE 802, No → MKE 402

K 9 I am using AB powering because of the more simple battery operation.

Yes → K 17, No → K 10

K 10 I have decided to use 48 V phantom powering.

Yes → K 12, No → K 11

K 11 Please contact us for information on alternate choices of powering.

K 12 MKH... P 48: 106, 406, 416, 126, 816 → K 13

K 13 I need an inconspicuous microphone which guarantees freedom of movement, without having to revert to a wireless microphone.

Yes → MKH 126 P 48, No → K 14

K 14 Prevention of acoustical feedback, high ambient noise conditions or use for stereo recordings call for a directional microphone.

Yes → K 15, No → MKH 106 P 48

K 15 MKH... P 48: 406, 416, 816 → K 16

K 16 My requirements call for:

- a) Hand-held or desk microphone (MKH 406 P 48)
b) A highly directional microphone which is also suitable for soloists and interviews (MKH 416 P 48)
c) A shotgun microphone for distant sound sources (MKH 816 P 48)

K 17 MKH... T: 105, 435, 415, 125, 815 → K 18

K 18 I need an inconspicuous microphone which guarantees freedom of movement without having to revert to a wireless microphone.

Yes → MKH 125 T, No → K 19

K 19 Prevention of acoustical feedback, high ambient noise conditions or application for stereo recordings call for the use of a directional microphone.

Yes → K 20, No → MKH 105 T

K 20 MKH... T: 435, 415, 815 → K 21

K 21 My requirements call for:

- a) Hand-held or desk microphone (MKH 435 T)
b) A highly directional microphone which is also suitable for soloists and interviews (MKH 415 T)
c) A shotgun microphone for distant sound sources (MKH 815 T).

S We trust you were successful in choosing the best suited microphone with the help of our program. Nevertheless, should you have additional questions, please contact us directly or any Sennheiser dealer.