

SENNHEISER

Cardioid Dynamic Microphone

From a bang to a
whisper - controlled response
means superior reproduction.

MD 421



Hum compensation against inductive fields

Pipe for bass pre-emphasis

Heavy duty plastic

Adjustment for inside damping

Capsule mounting

Acoustical horn

Outside damping

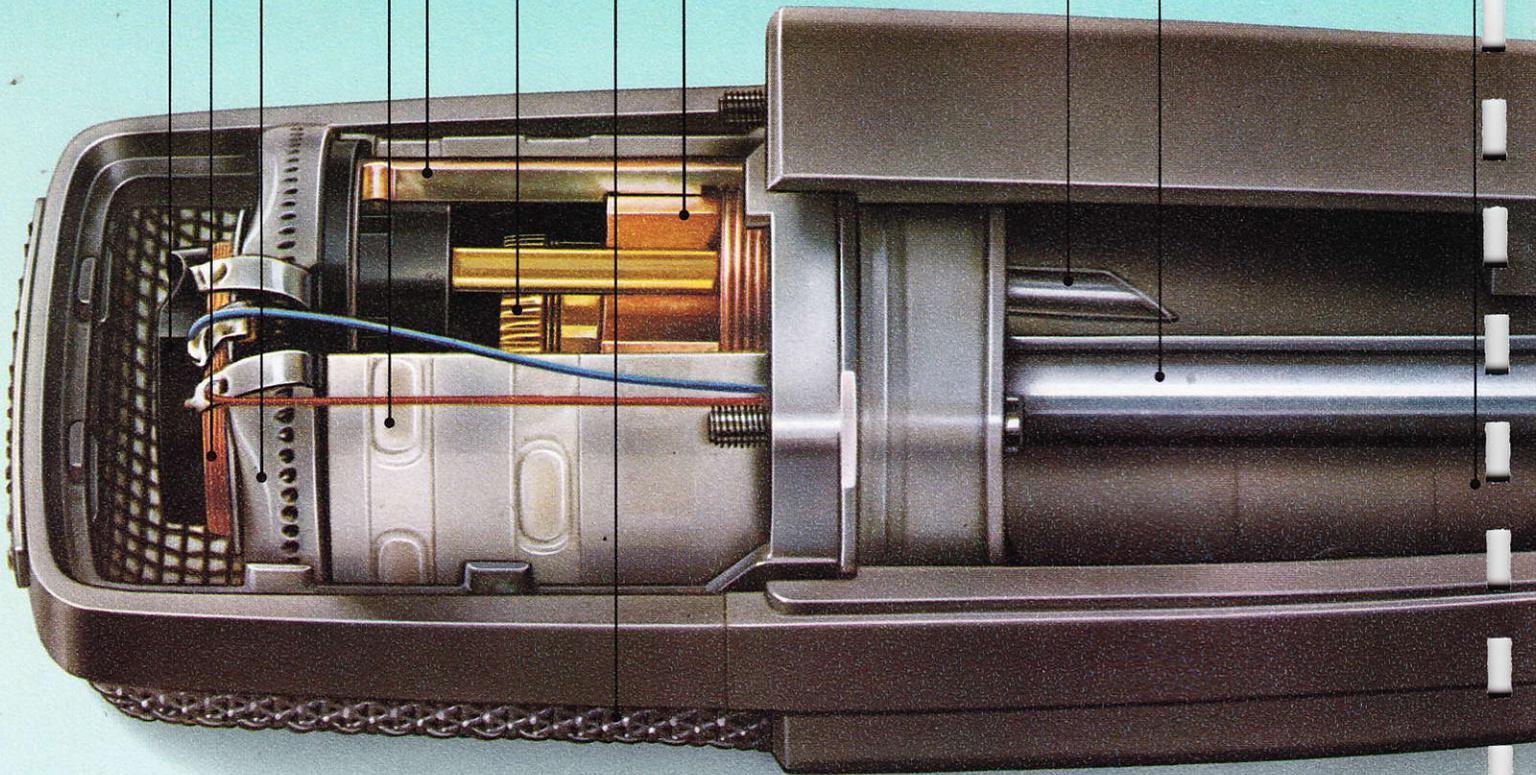
Sound inlet made of stainless steel

Resonator

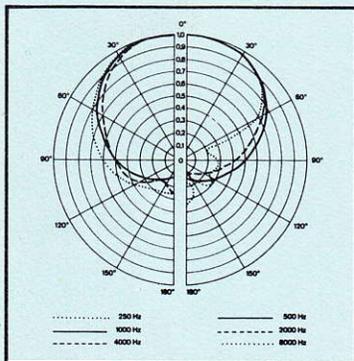
Dust protection

Cap

Base with magnet



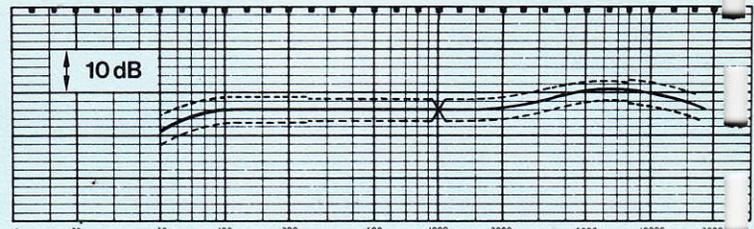
MD 42I: Superb Directionality and Freedom from Overload



This is the microphone for today. Today's world of rock concerts at over 130 dB... studio recording sessions in close proximity to all types of instruments... disco

deejay applications... and location field recording - like jetports - with even higher levels. No other microphone is this immune to overload, yet so precise over such a wide range of frequencies.

Ruggedly constructed to precision standards, the MD 42I withstands hard use with Sennheiser's legendary reliability. Its pressure-gradient dynamic transducer provides faultless performance both in the protected confines of the studio, and in the often-hostile environment outdoors. Its controlled, wide-frequency response is de-



Standard Frequency Response with tolerance limits. The original frequency response curve, measured from 40 to 17 000 Hz, is included with each microphone of this type.

signed with an intentional sensitivity increase in the upper range, for improved definition. And for low frequency control the MD 42I incorporates a five-step adjustable bass attenuator to tailor response for optimum performance under varying con-

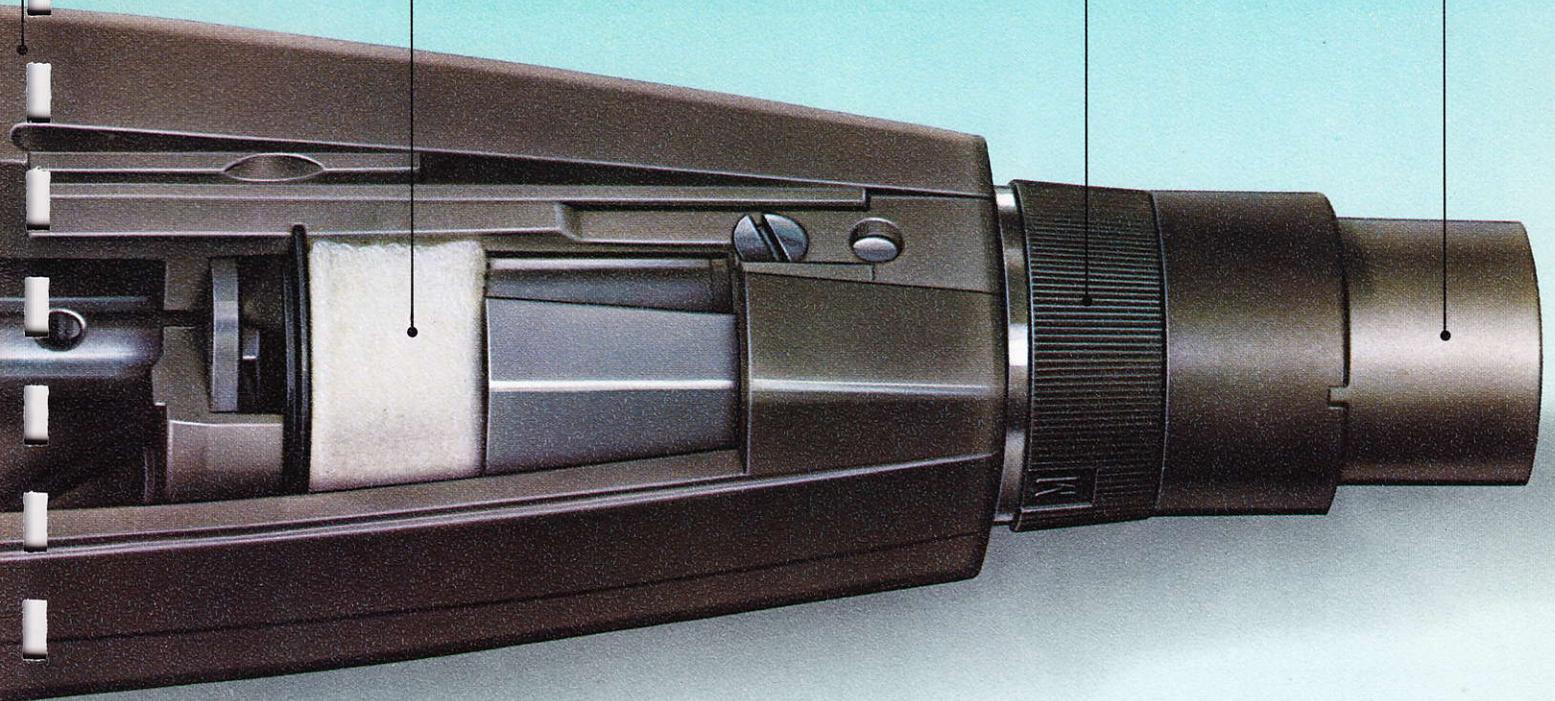
ditions. Unique among dynamic microphones, the MD 42I is highly resistant to interference from stray magnetic fields, and provides the low handling-noise and freedom from feedback that all Sennheiser microphones are famous for.

Housing made of Delrin

Backside damping

Bass control

Cannon plug



Overload to more than 175 dB - from 30 to 17,000 Hz!

Model MD 421 U 4

A balanced, low impedance unit which may also be used with high impedance inputs with optional high impedance cable MC 57. It is equipped with a 5-step bass attenuator, XLR connector and stand adapter. The housing is high-impact, scratch-resistant ABS material with a black, non-glare finish.

Technical Data

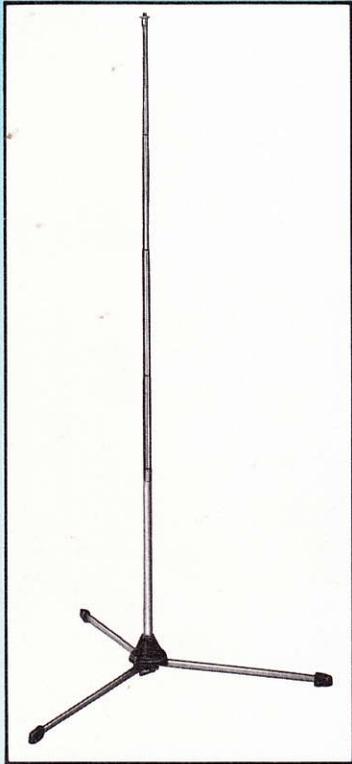
	MD 421 N (Art.-Nr. 0342)	MD 421-2 (Art.-Nr. 0331)	MD 421-U-4 (Art.-Nr. 0984)
Frequency response	30 . . . 17 000 Hz	30 . . . 17 000 Hz	30 . . . 17 000 Hz
Acoustical mode of operation	pressure gradient transducer	pressure gradient transducer	pressure gradient transducer
Directional characteristic	cardioid	cardioid	cardioid
Rejection at 180° and 1000 Hz	18 dB - 2 dB	18 dB - 2 dB	18 dB - 2 dB
Open circuit output level at 1000 Hz ref. 1 V/10 µbar	-54 dB ± 3 dB	-54 dB ± 3 dB	-54 dB ± 3 dB
Impedance (1 kHz)	200 Ω	200 Ω	200 Ω
Bass attenuator switch	5 steps	none	5 steps
Output plug	T 3262 000	T 3081 006	XLR-3
Cable connector	T 3261 001	T 3080 002	switchcraft A 3 F
Connections	1 + 3: signal	1 + 2: signal	2 + 3: signal
	2 + case: ground	3 + case: ground	1 + case: ground
Insensitivity to magnetic fields at 50 Hz	≤ 5 µV/5 µ Tesla	≤ 5 µV/5 µ Tesla	≤ 5 µV/5 µ Tesla
Dimensions in mm	203 x 46 x 49	191 x 46 x 49	215 x 46 x 49
Weight	530 g	500 g	530 g

We reserve the right to alter specifications, in particular with regard to technical improvements.

MD 42I Precision Accessories For perfection with convenience.

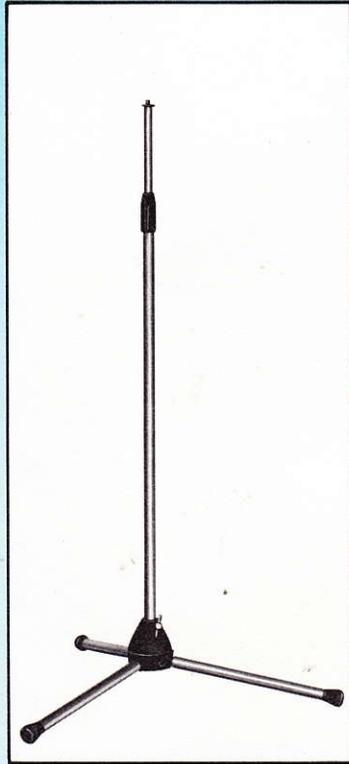
MZS 142 Lightweight Floor Stand

Telescoping, collapsible unit with water-proof transit cover. Extends to 54" (138 cm), closes to 16" (41 cm).



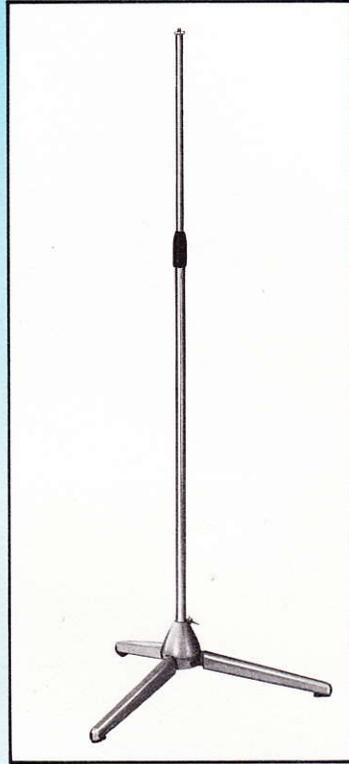
MZS 144 Floor Stand

Adjustable between 33" (84 cm) and 62" (158 cm). Rubber-tipped legs are detachable.



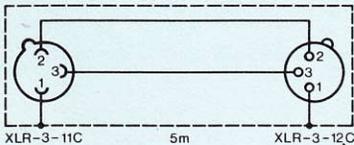
MZS 210 DeLuxe Floor Stand

Heavy-duty unit with anti-vibration mounts concealed in legs. Adjustable between 33" (84 cm) and 62" (158 cm). Legs fold together for transit.



MZS 211 Boom Arm

Fits stands 142, 144 and 210. Fully adjustable for length to a maximum of 33" (84 cm) and to all angles.



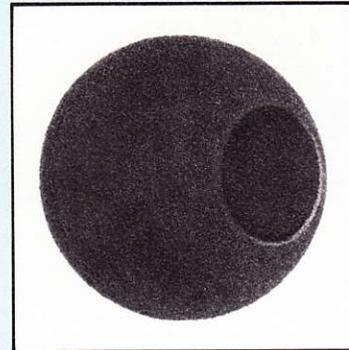
MC 22 Cable

Heavy duty, neoprene coated, two-conductor shielded cable with standard XLR connector at both ends.



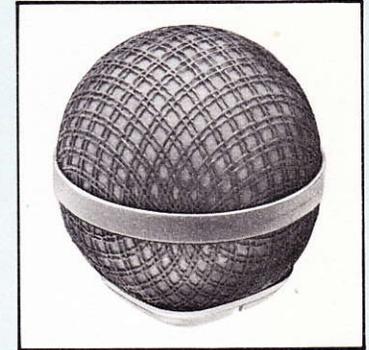
MZT 421 Desk Stand

Heavy, diecast stand assures stability. Measures 5" x 4 1/2" x 1" (127 x 112 x 22 mm).



MZW 421 Windscreen and Pop Filter

Flexible windscreen made from open-cell sponge. Measures 3" (80 mm) diameter.



MZW 22 Windscreen and Pop Filter

Fibreglass-reinforced polyester for superior wind-noise reduction. Measures 3" (80 mm) diameter.

 **SENNHEISER**

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