

HMDC 26-II Broadcast Headset with Active Noise Compensation.

FEATURES

- Lightweight with extra soft cushions for excellent wearing comfort
- Headphone with very accurate sound reproduction for professional applications
- Dynamic microphone for audio transmission with highest intelligibility
- Microphone can either be worn right or left hand side
- Active noise reduction NoiseGard™ professional technology (on/off switch) reduces noise continuously
- Reliable performance over long lifetime for safe investments
- Swivelling ear cap for single sided listening
- Modular concept of boom, cable and cushions for highest flexibility
- Peak-Level-Protection eliminates volume peaks above 110 dB

The HMDC 26-II is designed for demanding broadcast applications in noisy production environments. The dynamic microphone with hyper-cardioid pattern has a very linear frequency response and after re-engineering features excellent acoustic performance, great suppression of surrounding noise with a special focus on lowest structure born noise. Microphone boom can be worn on either right or left hand side and short flexible boom part guarantees correct microphone positioning.

The closed, supra-aural headphones have a high maximum SPL and are equipped with NoiseGard™ technology for reducing the ambient noise. This active noise compensation can be switched on or off via control unit in cable B-7.

Additionally the HMDC 26-II incorporates Peak-Level-Protection for protected hearing at any time.



ARCHITECT'S SPECIFICATIONS

A broadcast headset has to be provided with a dynamic hyper-cardioid pattern microphone. The microphone has a shock mounted capsule for absorbing structure born noise. The short flexible part of the boom secures right positioning of microphone. The headphones have a high Maximum Sound Pressure Level. The NoiseGard™ technology achieves a noise reduction up to 90% for clearer communication and less hearing stress in the range of 100 to 300 Hz. Additionally HMDC 26-II-600 is equipped with Peak-Level-Protection which protects hearing from volume peaks above 110 dB at any time. The swivelling ear cap allows listening to the environment whenever needed. The headset is light weighted, provides expandable split headband and extra soft ear cushions and headband paddings for out-standing wearing comfort even during long production days. Following the modular concept, ear cushions and paddings can be replaced easily. This headset needs to be operated with cable B-7.

TECHNICAL DATA

HEADPHONES

Transducer principle	dynamic, closed
Ear coupling	supra-aural
Frequency response.....	20...18,000 Hz
Impedance.....	600 Ω mono / 1200 Ω stereo
Characteristic SPL.....	108 dB SPL at 1 kHz, 1 mW
.....	110 dB SPL at 1 kHz, 1 V
Maximum SPL	120 dB SPL at 1 kHz
Active noise attenuation	≥18 dB (100 to 300 Hz)
Noise attenuation (active + passive)	15-30 dB
Distortion.....	< 0,5% at 1 kHz)
Contact pressure	approx. 3.9 N

MICROPHONE

Type	BMD 424
Transducer principle	dynamic, noise compensating, hyper cardioid
Frequency response.....	40...16,000 Hz
Output voltage	0.4 mV/Pa at 1 kHz
Impedance.....	300 Ω

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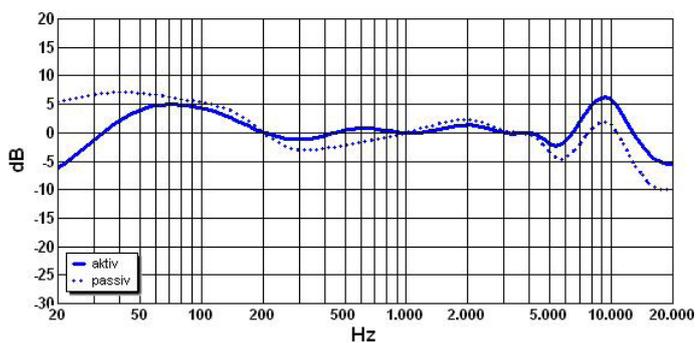
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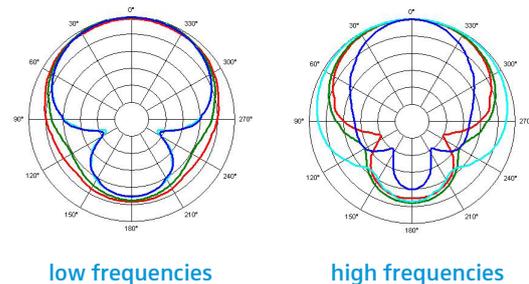
GENERAL DATA

Ambient temperature (operation)-15°C to +55°C
Ambient temperature (storage)-55°C to +70°C
Power supply for NoiseGard™2x1.5 V AA alkaline battery
(IEC LR6) or 2x1.2 V AA
rechargeable battery (IEC LR6),
operating time approx. 60 h
Weight w/o cable.....approx. 210g

FREQUENCY RESPONSE



POLAR PATTERN



PRODUCT VARIANTS

- 505771 HMD 26-II-100 broadcast headset, 100 Ω
- 505772 HMD 26-II-100-8 broadcast headset, 100 Ω impedance, copper cable reinforced with Kevlar® with short coiled part and unterminated ends
- 505773 HMD 26-II-600 broadcast headset, 600 Ω impedance, w/o cable
- 505774 HMD 26-II-600-8 broadcast headset, 600 Ω impedance, copper cable reinforced with Kevlar® with short coiled part and open ends
- 505775 HMD 26-II-600S single sided broadcast headset, 600 Ω impedance, w/o cable
- 505776 HMD 26-II-600-X3K1 broadcast headset, 600 Ω impedance, copper cable reinforced with Kevlar® short coiled part, XLR3 and 6,3mm jack plug
- 505777 HMDC 26-II-600 broadcast headset, 600 Ω impedance, NoiseGard™

CABLES

- 502470 cable-B-7, steel cable straight with open ends, suitable for assembly of up to 2 connectors, including battery pack for NoiseGard™ powering

RECOMMENDED ACCESSORIES

- Cable clip HZC 11
- Ear pads leatherette
- Headband padding small
- Headband padding large
- Wind and pop screen for dynamic microphone BMD 424
- Large wind and pop screen for dynamic microphone BMD 424
- Hygiene covers HZH 26 white, 200 pair (master carton)
- Hygiene covers HZH 26 black, 200 pair (master carton)
- Carrying case, black