

# HMD 26-II

## Dynamic Broadcast Headset.

### FEATURES

- Lightweight with extra soft cushions for excellent wearing comfort
- Headphone with very accurate sound reproduction for professional applications
- Microphone for audio transmission in highest broadcast quality
- Microphone can either be worn right or left hand side
- ActiveGard™ (on/off switch) for protected hearing
- 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

The HMD 26-II applies to the requirements of demanding broadcast applications. The dynamic microphone has been re-engineered and features excellent acoustic performance, great suppression of surrounding noise with a sophisticated answer for 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 with very good passive noise attenuation. They are equipped with ActiveGard™. This limiter can be activated or deactivated.

Also available:  
The HMD 26-II-S,  
a single-sided variant  
of the HMD 26-II.



### 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 ActiveGard™ limiter technology protects hearing from volume peaks above 105 dB. 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 outstanding wearing comfort even during long production days. Following the modular concept, ear cushions and paddings can be replaced easily. The modular set-up of the 26-II family permits different variants of cables and connectors. Corresponding cable-II family is copper material reinforced with Kevlar® for highest durability. The special shape with short coiled part absorbs structure born noise coming from cable perfectly.

### TECHNICAL DATA

#### HEADPHONES

Transducer principle .....	dynamic, closed
Ear coupling .....	supra-aural
Frequency response.....	20...18,000 Hz
Impedance.....	50 Ω mono / 100 Ω stereo / .....600 Ω HMD 26-II-600
Characteristic SPL.....	105 dB SPL at 1 kHz, 1 mW .....107 dB SPL at 1 kHz, 1 V
Maximum SPL .....	ActiveGard™ switched on: .....105 dB SPL at 1 kHz .....ActiveGard™ switched off: .....127 dB SPL at 1 kHz, 200 mW
Passive noise attenuation .....	approx. 18 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

Continued on page 2

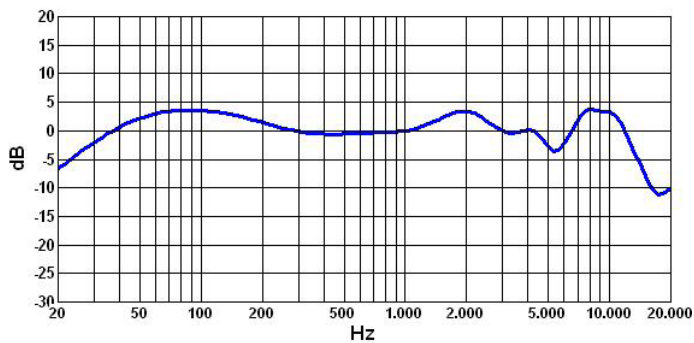
# HMD 26-II Dynamic Broadcast Headset.

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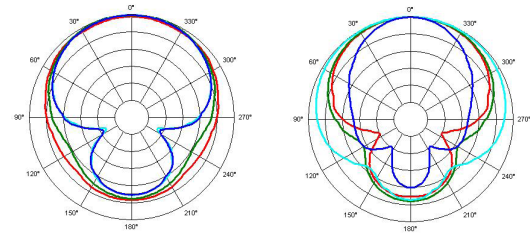
### GENERAL DATA

Ambient temperature (operation) ..... -15°C to +55°C  
Ambient temperature (storage) ..... -55°C to +70°C  
Weight w/o cable ..... approx. 200g

## FREQUENCY RESPONSE



## POLAR PATTERN



## PRODUCT VARIANTS

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

## CABLES

- 505797 cable II-8, copper cable reinforced with Kevlar® with short coiled part for minimum structure born noise, unterminated ends
- 505782 cable II-X3K1, copper cable reinforced with Kevlar® with short coiled part for minimum structure born noise, XLR-3 connector and 6,3 mm (1/4") jack plug
- 505783 cable II-X3K1-P48, copper cable reinforced with Kevlar® short coiled part for minimum structure born noise, XLR-3 connector and 6,3 mm (1/4") jack plug and phantom powering 48V
- 505784 cable II-X4F, copper cable with short coiled part for minimum structure born noise, XLR 4 female connector
- 505785 cable II-X5, copper cable reinforced with Kevlar® with short coiled part for minimum structure born noise, XLR 5 connector
- 502360 cable-7, steel cable straight with open ends, suitable for assembly of up to 2 connectors
- 502470 cable-B-7, steel cable straight with unterminated ends, suitable for assembly of up to 2 connectors, including battery pack and control unit for NoiseGard™ powering

## RECOMMENDED ACCESSORIES

- Cable clip HZC 11
- Ear pads leatherette
- Ear pads velours
- 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