



HME 27 | HMD 27 | HMDC 27

Professional broadcasting headset series



The new HME / HMD / HMDC 27 series invites the Broadcast Commentators and Audio Engineers to experience the highest level of wearing comfort. The headsets have a closed and circumaural earcup design to provide a high passive attenuation but nevertheless unusually lightweight and comfortable over long working hours. Soft circumaural earpads ensure a comfortable fit.

The headsets are similar to the HMS 26 series equipped with the automatically opening two-piece headband, hence no pressure on the sensitive fontanelle. For those users who still prefer a conventional headband, a wide headband padding is included that converts the two-piece headband into a compact single piece.

The top-of-the-line model is the HMDC 27, which features NoiseGard™ (active noise reduction) to perform well in very loud environments. By actively reducing the noise level by additional 15dB this headset increases intelligibility while at the same time protecting the user's hearing and avoiding stress and fatigue due to noise. NoiseGard™ does not require the usual batteries but is conveniently powered via the microphone power supply from the broadcast desk or intercom system. (Phantom powered P48).

FEATURES

- Highest wearing comfort due to the lightweight circumaural design and the splitted headband (no pressure on the sensitive fontanelle)
- Accurate and linear sound reproduction for very demanding monitoring
- HMD 27/HMDC 27: dynamic Microphone, which stands out due to a strong and powerful sound pattern for an audio transmission in highest broadcast quality even in noisy environments
- HME 27: pre-polarized condenser microphone with cardioid directivity for a precise audio reproduction and higher intelligibility in highest broadcast quality even in noisy environments
- ActiveGard© (on/off switch) for protected hearing against noise peaks > 110 dB
- Modular concept of different cables and boom arms to offer highest flexibility
- cable of the cable 26-II series are compatible
- Swiveling ear cap for single sided listening
- Microphone can be worn either on right or left hand side
- wide headband padding is included that converts the two-piece headband into a compact single piece

DELIVERY INCLUDES

- HME 27/HMD 27 without a cable or HMDC 27 including the II-X3K1 cable
- large headband padding
- cable clip
- windshield
- quick guide
- safety guide

PRODUCT VARIANTS

HME 27	Art. no. 506899
HMD 27	Art. no. 506902
HMDC 27	Art. no. 506978



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SPECIFICATIONS

Headphones:	HME 27	HMD 27	HMDC 27
Transducer principle	dynamic, closed	dynamic, closed	dynamic, closed
Ear coupling	circumaural	circumaural	circumaural
Frequency response	8 Hz to 18 kHz	8 Hz to 18 kHz	8 Hz to 18 kHz
Impedance	64 Ω	64 Ω	600 Ω (ANR switched on) 200 Ω (ANR switched off)
Load capacity	500 mW	500 mW	500 mW
Sensitivity	112 dB SPL/1 V rms/1 kHz (ActiveGard™ switched off)	112 dB SPL/1 V rms/1 kHz (ActiveGard™ switched off)	112 dB SPL/1 V rms/1 kHz (ANR switched on, ActiveGard™ switched off) 107 dB SPL/1 V rms/1 kHz (ANR switched off, ActiveGard™ switched on/ off)
Maximum SPL	ActiveGard™ switched off: 128 dB SPL @ 1 kHz ActiveGard™ switched on: 110 dB SPL @ 1 kHz	ActiveGard™ switched off: 128 dB SPL @ 1 kHz ActiveGard™ switched on: 110 dB SPL @ 1 kHz	115 dB SPL @ 1 kHz (ActiveGard™ switched off, ANR switched on) 128 dB SPL @ 1 kHz (ActiveGard™ switched off, ANR switched off) 110 dB SPL @ 1 kHz (ActiveGard™ switched on, ANR switched on/off)
Ambient noise reduction	Max. 32 dB	Max. 32 dB	Max. 32 dB (passive, ANR switched off) Additional max. 15 dB (ANR switched on)
Total harmonic distortion (THD)	< 0.1% @ 1 kHz, 100 dB SPL	< 0.1% @ 1 kHz, 100 dB SPL	< 0.1% @ 1 kHz, 100 dB SPL
Supply voltage	-	-	Phantom powering P12–P48, 12 V to 48 V, \leq 10 mA
Contact pressure	approx. 3.3 N	approx. 3.3 N	approx. 3.3 N
Ambient temperature	Operation: -15° C to +55° C Storage: -55° C to +70° C	Operation: -15° C to +55° C Storage: -55° C to +70° C	Operation: -15° C to +55° C Storage: -55° C to +70° C
Weight without cable	approx. 240 g	approx. 240 g	approx. 240 g
Microphones:	BKE 10-4	BMD 434	BMD 434
Transducer principle	pre-polarized condenser microphone	dynamic	dynamic
Pick-up pattern	Cardioid	Hyper-cardioid	Hyper-cardioid
Frequency response	40 Hz to 20 kHz	40 Hz to 18 kHz	40 Hz to 18 kHz
Sensitivity	16 mV/Pa @ 1 kHz	0.5 mV/Pa @ 1 kHz	0.5 mV/Pa @ 1 kHz
Impedance	-	300 ohms	300 ohms
Maximum SPL	150 dB SPL, 1 kHz, 0.5% THD	-	-
Connection type	Phantom powering P48	-	-
Power supply	12 V to 48 V	-	-