



HME 27 / HMD 27 Series ATC Headsets

Confidence where sound matters

Designed for demanding air traffic controllers and C3 users, the Sennheiser HME/HMD 27 Series headsets bring high quality sound to the control room with an exceptional degree of comfort. Its lightweight design succeeds in providing high passive attenuation while remaining comfortable over long hours of use. A noise-cancelling microphone enhances voice intelligibility - even in noisy environments, for confident, clear communication and closed ear cups increase listening accuracy.

Sennheiser's unique, split two-piece headband alleviates pressure on the top of the head for first class comfort and users can choose left or right boom microphone positioning. Sennheiser ActiveGard® technology protects users' hearing against acoustic injury caused by a sudden sound burst on the line, with no risk of communication drop-out.

BENEFITS AND FEATURES

- **Sennheiser Voice Clarity** for accurate communication, provides a natural listening experience
- **Excellent speech transmission** Noise-cancelling microphone reduces ambient noise to improve intelligibility and reduce "call-back/read-back" events
- **Two channel stereo mode** possible to use one channel for radio communications and one for telephone communications on dual sided headset
- **Sound protection** from acoustic injury caused by sudden sound bursts on the line with Sennheiser ActiveGard® technology
- **Single-sided listening** with flip away ear cup on dual sided headset
- **Flexible microphone boom** - can be worn on either left or right-hand side
- **Superb wearing comfort** with patented two-piece automatic headband and soft circumaural ear pads
- **Choice of PTT switches** for personal preference
- **Cable and connector** A wide range of cables and connectors for customization





HME 27 / HMD 27 Series ATC Headsets

Technical Data

Product	HME 27 ATC/C3 300 ohm	HMD 27 ATC/C3 w. Std Boom	HMD 27 ATC/C3 w. 5 ohm Mic	HMD 27 ATC/C3 5 ohm w/o AG	HMD 27 ATC/C3 w/o AG	HME 27 S ATC/C3
Art. No.	507276	507277	507278	508325	508326	508327
EAN No.	40 44155 23758 0	40 44155 23759 7	40 44155 23760 3	40 44155 24100 6	40 44155 24101 3	40 44155 24102 0
UPC No.	6 15104 31481 8	6 15104 31482 5	6 15104 31483 2	6 15104 31823 6	6 15104 31824 3	6 15104 31825 0

Headphones

Sound pressure level:

dB SPL @ 1 KHz, 0.5 V	94 +/- 3	94 +/- 3	94 +/- 3	94 +/- 3	94 +/- 3	94 +/- 3
dB SPL @ 1 KHz, 1 mW	95 +/- 3	95 +/- 3	95 +/- 3	95 +/- 3	95 +/- 3	95 +/- 3
dB SPL @ 1 KHz, 1V	100 +/- 3	100 +/- 3	100 +/- 3	100 +/- 3	100 +/- 3	100 +/- 3
Max SPL* [dB]	122 ActiveGard off 110 ActiveGard on	122 ActiveGard off 110 ActiveGard on	122 ActiveGard off 110 ActiveGard on	122	122	122 ActiveGard off 110 ActiveGard on
THD, total harmonic distortion at 100 dB SPL at 1 kHz	< 1 %	< 1 %	< 1 %	< 1 %	< 1 %	< 1 %
Frequency response	8-18,000 Hz	8-18,000 Hz	8-18,000 Hz	8-18,000 Hz	8-18,000 Hz	8-18,000 Hz
Impedance	300 Ω	300 Ω	300 Ω	300 Ω	300 Ω	300 Ω

* Limited by ActiveGard®

Microphone

Microphone type	Electret	Dynamic	Dynamic	Dynamic	Dynamic	Electret
Sensitivity / Output voltage	Adjustable 17 – 100 mV/Pa. Preset = 80 mV/Pa +0/-2 dB, equals 800 mV +0/-2 dB @ 114 dB SPL	0.5 mV/Pa @ 1 kHz	0.12 mV/Pa @ 1 kHz	0.12 mV/Pa @ 1 kHz	0.5 mV/Pa @ 1 kHz	Adjustable 17 – 100 mV/Pa. Preset = 80 mV/Pa +0/-2 dB, equals 800 mV +0/-2 dB @ 114 dB SPL
Pick-up pattern	Figure-of-eight	Cardioid	Cardioid	Cardioid	Cardioid	Figure-of-eight
Supply voltage	8-16 VDC	N/A	N/A	N/A	N/A	8-16 VDC
Frequency response	100–6,000 Hz	100–12,000 Hz	100–12,000 Hz	100–12,000 Hz	100–12,000 Hz	100-6,000 Hz
Impedance	N/A	200 Ω	5 Ω	5 Ω	200 Ω	N/A
Recommended load impedance	150–2,200 Ω	N/A	N/A	N/A	N/A	150–2,200 Ω



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Wearing style	Headband, double-sided	Headband, double-sided	Headband, double-sided	Headband, double-sided	Headband, double-sided	Headband, single-sided
Contact pressure	3.3 N	3.3 N	3.3 N	3.3 N	3.3 N	3.0 N
Ear coupling	Closed, circumaural (around-the-ear)	Closed, circumaural (around-the-ear)	Closed, circumaural (around-the-ear)	Closed, circumaural (around-the-ear)	Closed, circumaural (around-the-ear)	Closed, circumaural (around-the-ear)
Weight of headset	240 g / 8.47 oz	240 g / 8.47 oz	240 g / 8.47 oz	240 g / 8.47 oz	240 g / 8.47 oz	170 g / 6.00 oz
Storage temperature	-55 °C to +70 °C -67 °F to +158 °F	-55 °C to +70 °C -67 °F to +158 °F	-55 °C to +70 °C -67 °F to +158 °F	-55 °C to +70 °C -67 °F to +158 °F	-55 °C to +70 °C -67 °F to +158 °F	-55 °C to +70 °C -67 °F to +158 °F
Operating temperature	-10 °C to +55 °C +14 °F to +131 °F	-10 °C to +55 °C +14 °F to +131 °F	-10 °C to +55 °C +14 °F to +131 °F	-10 °C to +55 °C +14 °F to +131 °F	-10 °C to +55 °C +14 °F to +131 °F	-10 °C to +55 °C +14 °F to +131 °F
Warranty	2 years	2 years	2 years	2 years	2 years	2 years

Packaging

Dimension of product packaging (W x H x D)	200x180x84 mm 7.87x7.09x3.31 in	200x180x84 mm 7.87x7.09x3.31 in	200x180x84 mm 7.87x7.09x3.31 in	200x180x84 mm 7.87x7.09x3.31 in	200x180x84 mm 7.87x7.09x3.31 in	200x180x84 mm 7.87x7.09x3.31 in
Package weight (incl. complete product and packaging)	338 g / 11.9 oz	338 g / 11.9 oz	338 g / 11.9 oz	338 g / 11.9 oz	338 g / 11.9 oz	261 g / 9.2 oz
Units in distributor master carton	12	12	12	12	12	12
Master carton weight incl. products	4.79 kg / 10.56 lbs	4.79 kg / 10.56 lbs	4.79 kg / 10.56 lbs	4.79 kg / 10.56 lbs	4.79 kg / 10.56 lbs	3.86 kg / 8.51 lbs
Dimension of master carton (W x H x D)	560x380x210 mm 22.05 x 14.96 x 8.27 in	560x380x210 mm 22.05 x 14.96 x 8.27 in	560x380x210 mm 22.05 x 14.96 x 8.27 in	560x380x210 mm 22.05 x 14.96 x 8.27 in	560x380x210 mm 22.05 x 14.96 x 8.27 in	560x380x210 mm 22.05 x 14.96 x 8.27 in
Unit pack/end user	1	1	1	1	1	1

Content of delivery

Box content	<ul style="list-style-type: none"> - Headset - Cable clip - Windscreen - Safety guide - Quick guide
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Accessories*

Product name	Product description	Art. No	EAN No.	UPC No.
BKE 46	Windscreen, 100 pcs	578855	40 44155 23781 8	6 15104 31504 4
BKE 46	Windscreen packed	515297	40 44155 01524 9	6 15104 12340 3
HZC 08	Cable clip, black	525787	40 44155 03178 2	6 15104 14651 8
HMD 25	Leatherette ear pads – Padded Ear pads, 2 pcs	075527	40 06087 75527 3	6 15104 75527 7
HZH 46	Hygiene pads	502194	40 44155 02467 8	6 15104 13674 8
HMS 26-2	Headband padding, 2 pcs	550262	40 44155 08518 1	6 15104 24120 6
HPH 03	Leatherette side support cover, 5 pcs	508313	40 44155 24048 1	6 15104 31771 0
Carry Case 05	Headset storage & protection	507235	40 44155 22336 1	6 15104 30060 6

Note: Padded leatherette ear pads available on request

* Only use accessories supplied or recommended by Sennheiser