



HME 46-II and HMD 46-II Series ATC Headsets

Trusted sound, next generation comfort and durability

The HME 46-II and HMD 46-II Series of very lightweight, extremely comfortable headsets are designed specifically for all air traffic control communication and C3 (Command, Control & Communications) applications. Based on the tried and tested 46 Series, the headsets no longer have to conform to the requirements of aircraft cockpit grade headband caliper pressure. This means the Mk II headsets have a more comfortable, lower caliper pressure. A flip-away noise cancelling microphone delivers perfect speech transmission by filtering out ambient noise to ensure effective communication. In terms of comfort, the series' patented two-piece headband and soft ear pads give a personalized fit that reduces wearing fatigue. A wide choice of wearing styles, microphone variants and comfort accessories, cater for all user preferences. 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.

FEATURES & BENEFITS

- **Sennheiser Voice Clarity** for accurate communication, provides excellent voice transmission and reception
- **Perfect speech transmission** Noise-cancelling microphone filters out ambient noise for optimum speech clarity to reduce "call-back/read-back" events
- **Fits every application** with a choice of electret/dynamic microphone, and single sided or dual sided earcup model
- **Two channel stereo application** for multi channel communications
- **Sound protection** from acoustic injury caused by sudden sound bursts on the line with Sennheiser ActiveGard® technology
- **Single-sided listening** is available either the single sided HME 46-3s-II model or with a flip away ear cup on the dual sided HME 46-3-II model
- **Easy to change cables** can be simply replaced
- **Superb wearing comfort** with patented two-piece split headband and soft ear pads
- **Choice of PTT switches** for personal preference
- **Cable and connectors** A wide range of cables and connectors for customization





HME 46-II and HMD 46-II Series ATC Headsets

Technical Data

Product	HMD 46-3-II	HMD 46-31-II	HME 46-3-II	HME 46-31-II	HME 46-3S-II
Art. No.	507248	507249	507250	507251	507252
EAN No.	40 44155 22401 6	40 44155 22402 3	40 44155 22403 0	40 44155 22404 7	40 44155 22405 4
UPC No.	6 15104 30125 2	6 15104 30126 9	6 15104 30127 6	6 15104 30128 3	6 15104 30129 0

Headphones

Sound pressure level:

dB SPL @ 1 KHz, 0.5 V	94	97	94	97	94
dB SPL @ 1 KHz, 1 mW	95	95	95	95	95
dB SPL @ 1 KHz, 1V	86	103	86	103	86
Max SPL* [dB]	105	110	105	110	105
THD, total harmonic distortion at 95 dB SPL at 1 kHz	< 1 %	< 1 %	< 1 %	< 1 %	< 1% at 98 dB SPL
Frequency response	20–14,000 Hz	20–14,000 Hz	20–14,000 Hz	20–14,000 Hz	20–14,000 Hz
Impedance	300 Ω	300 Ω	300 Ω	300 Ω	300 Ω

* Limited by ActiveGard®

Microphone

Microphone type	Dynamic, BMD-46-413	Dynamic, BMD-46-413	Electret, BKE 46	Electret, BKE 46	Electret, BKE 46
Sensitivity	-66 dB re 1V, +/- 3 dB	-66 dB re 1V, +/- 3 dB	-22 dB re 1V, +/- 1 dB	-22 dB re 1V, +/- 1 dB	-22 dB re 1V, +/- 1 dB
Pick-up pattern	Noise-cancelling, uni-directional	Noise-cancelling, uni-directional	Noise-cancelling, bi-directional	Noise-cancelling, bi-directional	Noise-cancelling, bi-directional
Supply voltage	N/A	N/A	8–16 VDC	8–16 VDC	8–16 VDC
Frequency response	100–12,000 Hz	100–12,000 Hz	100–15,000 Hz	100–15,000 Hz	100–15,000 Hz
Output voltage	0.5 mV/Pa	0.5 mV/Pa	Adjustable: 17 – 100 mV/Pa Factory preset: 80 mV/Pa, +0/-2 dB, equivalent to 800 mV at 114 dB SPL	Adjustable: 17 – 100 mV/Pa Factory preset: 80 mV/Pa, +0/-2 dB, equivalent to 800 mV at 114 dB SPL	Adjustable: 17 – 100 mV/Pa Factory preset: 80 mV/Pa, +0/-2 dB, equivalent to 800 mV at 114 dB SPL
Impedance	200 Ω	200 Ω	N/A	N/A	N/A
Recommended load resistance	N/A	N/A	150–2,200 Ω	150–2,200 Ω	150–2,200 Ω

General Data

Wearing style	Headband, double-sided	Headband, double-sided	Headband, double-sided	Headband, double-sided	Headband, single-sided
Contact pressure	2.7 N	2.7 N	2.7 N	2.7 N	3.7 N
Ear coupling	Supra-aural (On Ear)	Supra-aural (On Ear)	Supra-aural (On Ear)	Supra-aural (On Ear)	Supra-aural (On Ear)
Weight of headset	150 g / 5.29 oz	150 g / 5.29 oz	150 g / 5.29 oz	150 g / 5.29 oz	110 g / 3.88 oz
Storage temperature	-55 °C – +70 °C	-55 °C – +70 °C	-55 °C – +70 °C	-55 °C – +70 °C	-55 °C – +70 °C
Operating temperature	-15 °C – +55 °C	-15 °C – +55 °C	-15 °C – +55 °C	-15 °C – +55 °C	-15 °C – +55 °C
Warranty	2 years	2 years	2 years	2 years	2 years



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Technical Data

Packaging	HMD 46-3-II	HMD 46-31-II	HME 46-3-II	HME 46-31-II	HME 46-3S-II
Dimension of product packaging (W x H x D)	185 x 80 x 205 mm 7.28 x 3.15 x 8.07 in	185 x 80 x 205 mm 7.28 x 3.15 x 8.07 in	185 x 80 x 205 mm 7.28 x 3.15 x 8.07 in	185 x 80 x 205 mm 7.28 x 3.15 x 8.07 in	185 x 80 x 205 mm 7.28 x 3.15 x 8.07 in
Package weight (incl. complete product and packaging)	249 g / 8.78 oz	249 g / 8.78 oz	263 g / 9.28 oz	261 g / 9.21 oz	219 g / 7.72 oz
Units in distributor master carton	10	10	10	10	10
Master carton weight incl. products	3.46 kg / 7.63 lbs	3.46 kg / 7.63 lbs	3.61 kg / 7.96 lbs	3.59 kg / 7.91 lbs	3.12 kg / 6.99 lbs
Dimension of master carton (W x H x D)	386 x 428 x 232 mm 15.20 x 16.85 x 9.13 in	386 x 428 x 232 mm 15.20 x 16.85 x 9.13 in	386 x 428 x 232 mm 15.20 x 16.85 x 9.13 in	386 x 428 x 232 mm 15.20 x 16.85 x 9.13 in	386 x 428 x 232 mm 15.20 x 16.85 x 9.13 in
Unit pack/end user	1	1	1	1	1

Content of delivery

Box content	<ul style="list-style-type: none">- Headset- Cable clip- Wind and pop screen- 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
HME/HMEC 46	Ear pads, 1 pcs	515295	40 44155 01523 2	6 15104 12339 7
HME/HMEC 46	Ear pads, 100 pcs	515296	40 44155 01525 6	6 15104 12342 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	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