



AMBEO SMART HEADSET

Capture
your world
in 3D video
sound.



SENNHEISER



Sennheiser has created the world's first intuitive, compact and mobile binaural recording headset, the AMBEO SMART HEADSET. The headset integrates two microphones into the earpieces, using the anatomy of your ears to accurately capture the sounds in your surrounding environment.

It uses proprietary Apogee technology and integrates seamlessly with Apple iOS devices. The 3D recordings can be enjoyed through any pair of stereo headphones and make you feel like you are actually there listening live.

- High-quality headset for immersive 3D recording
- Two built-in microphones achieve detailed sound for a spatial 3D sound experience
- 3D recordings reproducible with any other headphones
- Transparent Hearing feature that lets you hear what is going on around you while listening to music
- Active noise cancellation for maximum isolation from the environment
- High-quality headphones with signature Sennheiser sound
- Apogee's proprietary Soft Limit and mic preamp plus precisely tuned A/D and D/A conversion
- Special ear hook design for low structure-borne noise and comfort fit
- Remote control features rocker switch for Situational Awareness control and customizable Smart Slider, which allows features to be activated with a single switching operation (in app)
- LED indicating streaming, clipping, and gain setting
- Easy management of music and calls
- Additional microphone for telephone calls
- App to allow firmware updates and configurations:
 - Choose the level of Transparent Hearing you need and enable ANC
 - Recording level
 - Graphic equalizer
 - Smart Slider: programmable quick access for your most important functions
 - Voice prompt control
- Integrates seamlessly with iOS devices
- Apple MFi-certified Lightning connector
- Two-year warranty

SPECSHEET

AMBEO SMART HEADSET

Technical Data

Country-variant	West	Asia
EAN	4044155209624	4044155218626
UPC	615104273542	615104287778
Art. No.	506912	507411

3D Recording Microphones

Transducer principle	Pre-polarized condenser microphone
Pick-up pattern	Omnidirectional
Frequency response	30 - 20,000 Hz
Sound pressure level (SPL)	low gain: 122 dB, high gain: 106 dB
Gain	low: -17 dB, high: 0 dB

Headphones

Ear coupling	Ear canal
Transducer principle	Dynamic
Frequency response	15 - 22,000 Hz
Sound pressure level (SPL)	112 dB (1 kHz/0 dBFS)
THD - total harmonic distortion (1 kHz, 100 dB SPL)	<0.5%

Telephony Microphone

Pick-up pattern	Omnidirectional
Microphone sensitivity	-44 dB V/Pa

Converter

Sampling rates	44,1 / 48 kHz (stereo)
Bitrate	24 Bit

General Data

Connectivity	Apple MFi certified Lightning connector
Powering	Powered by iOS device
Cable length	1.35 m
Weight	33 g
Storage temperature	-20 °C to +70 °C
Operating temperature	-10 °C to +50 °C