



CAPTURE YOUR WORLD IN 3D AUDIO

Sennheiser's AMBEO SMART HEADSET brings binaural sound recording to the consumer market

Wedemark/Lisbon, April 21, 2017 – Sennheiser has created the world's first intuitive, compact and mobile binaural recording headset. First showcased at the CES 2017, the AMBEO SMART HEADSET is a ground-breaking headset that captures immersive 3D audio with mobile device simplicity. The binaural audio recordings created with the AMBEO SMART HEADSET deliver a stunning 3D experience – placing the listener inside the soundscape and playing back the direction of sounds and natural spatial characteristics of a location.

Sennheiser has once again partnered with the award-winning manufacturer of professional audio devices Apogee, an industry leader at the forefront of digital audio recording, for the creation of this breakthrough product. The AMBEO SMART HEADSET's incredibly detailed and realistic recording is achieved via two omni-directional microphones integrated in the ear pieces that work alongside a premium A/D converter, mic preamp and SoftLimit from Apogee. The two microphones capture the subtle differences in timing, volume and timbre that occur as sounds from different directions reach each ear. When played back on headphones, the result is a truly stunning lifelike audio experience in picture-perfect fidelity. It places the listener in the exact, original sound field, so whether you capture a rainforest or a buzzing city, listening to the binaural recording will make you feel like you are there.



With the AMBEO SMART HEADSET, Sennheiser has created the world's first intuitive, compact and mobile binaural recording headset.

“With this new headset you can use your iOS device's camera to record, experience and relive the same balance of three dimensional sound and 180° visual perspective that we as human

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beings are accustomed to in our perception of the world,” explains Dr. Andreas Sennheiser, co-CEO Sennheiser. “Sound is crucial to how we understand the space around us, and the AMBEO SMART HEADSET lets you record this sense of depth, detail and realism.” Daniel Sennheiser, co-CEO Sennheiser, adds: “Together the AMBEO SMART HEADSET and your mobile device can become powerful creative tools for capturing your world in an entirely new way.”

“The first time you put on headphones and hear a video made with the AMBEO SMART HEADSET you will be amazed,” says Betty Bennett, Apogee co-founder and CEO. “It adds an entirely new dimension to watching videos and memories captured on your iPhone,” she continues. “The AMBEO SMART HEADSET is truly special because it offers the best of what Sennheiser and Apogee have achieved together making products for audio recording professionals in an effortless and transformative product everyone will love.”

Seamless mobile device integration

The AMBEO SMART HEADSET enables consumers to precisely record in 3D directly onto Apple iOS devices featuring a Lightning connector. The easy-to-use product creates immersive binaural audio that matches the high-quality video that is now available on mobile devices. It also complements the convenience and simplicity of the mobile device experience, with intuitive handling that makes the spontaneous capture of brilliant three-dimensional sound as easy as shooting a high-definition video.

Recording via the AMBEO SMART HEADSET is made simple by seamlessly complementing the standard iOS camera app, letting you record and store binaural audio along with the video. Once captured, the 3D sound files can be enjoyed through any pair of stereo headphones.

The AMBEO SMART HEADSET features an integrated premium Apogee A/D Converter built into the remote control.



To translate every dynamic detail with clarity and accuracy into digital information the AMBEO SMART HEADSET uses a premium Apogee analog to digital converter, mic preamp and



SoftLimit. Apogee's SoftLimit is a unique technology that automatically optimizes recording levels so you do not have to worry about distortion. All of this skillfully captured sound is delivered through the Lightning port of your iOS device as pristine digital audio and back to your ears through high-quality Apogee digital to analog conversion. The headset also offers everyday versatility thanks to a built-in microphone for telephone calls and voice control.

At launch the AMBEO SMART HEADSET will be available for Apple iOS devices featuring a Lightning connector. A version for Android devices is planned for release later this year.

Transparent Hearing functionality

The AMBEO SMART HEADSET also offers Transparent Hearing, an important safety feature that lets you hear what is going on around you while using the headset. The Transparent Hearing feature can be conveniently adjusted using the headset's 3-step rocker switch.

The earphones also deliver excellent linear sound attenuation, limiting external noise and offering the same effect as with high-quality earplugs. For the ultimate in comfort and sound quality, the optimized earhook design minimizes structure-borne noise, while ensuring an excellent secure fit for incredible sound and comfort on the move.

Binaural audio for the next generation

Sennheiser and Georg Neumann have been setting the standard for binaural recording technology since 1974 with the development of the MKE 2002 "Kopf Stereo Mikrofon". This leadership continued in 1992 with the pioneering KU 100, Dummy Head. Today, with the AMBEO SMART HEADSET, Sennheiser has reimagined binaural audio for a new generation, letting consumers embrace the creative possibilities of this exciting technology with mobile device simplicity.

About AMBEO

Early in 2016, audio specialist Sennheiser unveiled a strategic focus on 3D immersive audio, developing groundbreaking technology under its AMBEO® trademark that promises the ultimate in audio capture and reproduction. 3D audio is the new frontier of excellence, set to transform the listening experience for users across a broad range of applications, from virtual reality to audio recording and broadcasting. The AMBEO SMART HEADSET will be the audio specialist's first AMBEO consumer product.

**About Apogee**

In the company's 30-year history, Apogee Electronics has won a total of 19 TEC Awards for their innovative products and been recognized as industry leaders in digital audio technology within the recording community. Apogee products like Symphony I/O, Ensemble, Quartet, Duet, ONE, JAM and MiC have been instrumental in creating countless GRAMMY® and OSCAR® winning recordings by the world's most successful music artists. For more information, please visit www.apogeedigital.com

About Sennheiser

Audio specialist Sennheiser is one of the world's leading manufacturers of headphones, microphones and wireless transmission systems. Based in Wedemark near Hanover, Germany, Sennheiser operates its own production facilities in Germany, Ireland and the USA and is active in more than 50 countries. With 19 sales subsidiaries and long-established trading partners, the company supplies innovative products and cutting-edge audio solutions that are optimally tailored to its customers' needs. Sennheiser is a family owned company that was founded in 1945 and which today has 2,750 employees around the world that share a passion for audio technology. Since 2013, Sennheiser has been managed by Daniel Sennheiser and Dr. Andreas Sennheiser, the third generation of the family to run the company. In 2015, the Sennheiser Group had sales totalling €682 million. www.sennheiser.com

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