HeaDSPeaker Head-Tracker head phones present the worlds first delay-free head-tracking DSP-technology for delivering real 5.1 channel Headphone auralization by using Digital Signal Processing. Without head-tracking, it is not possible to achieve "real" surround sound with headphones. The existing head-tracking technologies for multichannel sound have cost thousands of euros in the past, and they have suffered lag when reacting to head-movement. Now the reality of actual headphone surround is finally within everyone's reach.

HeaDSPeaker takes advantage of the human auditory system and head-movement, which are the most important factors and cues in directional hearing. The auralization process of HeaDSPeaker will perform dynamic Head-Related Transfer Functions (HRTFs). With HeaDSPeaker you actually will hear if the sound is coming from the front or back, and the sound stays where it should even when you move your head. This way the spatial separation is superb relative to the static headphone surround algorithms previously presented. HeaDSPeaker has also great level of individual adjustments and even very large pool of interchangeable HRTFs to ensure optimal directional hearing cues for every person.

HeaDSPeaker phones will work with real 5.1 PCM input via USB as well as with 5-channel surround encoded analog formats from 3.5mm stereo jack. The device is optimal for HTPC based home theater systems and gaming, or even watching movies with 5.1 sounds on portable computers. HeaDSPeaker also contains microphone, which will extend it's use for great online gaming experience.

www.dspeaker.com