

## Review: HEDD Type 07

HEDD's Type 07 Nearfield Studio Monitor is said to have an outstanding sound quality and future-proof connectivity options. Are these the right speakers for modern studios?



### Key features:

- Active nearfield studio monitor
- 2-way system with bassports
- HEDD AMT tweeter
- 7" UHC woofer
- Power: 2x 100Watt
- Shelving-EQ for high- and low-frequencies
- Frequency response: 38Hz-50kHz
- SPL max.: 107dB
- HEDD Bridge connectivity options

**A new star in the loud-speaker sky: The Type 07 offers an assertive, high-resolution sound for a fair price.**

value refers to the frequency points 20kHz (high shelf) and 50Hz (low shelf). The woofer has a 7" caliber. The diaphragm, as said, is made of a honeycomb-sandwich material, that is stiffened with a specific resin. This is the reason, HEDD is calling this design a UHC woofer. For the high frequency range, one couldn't expect anything else, the speaker is equipped with an Air Motion Transformer plus waveguide. The manufacturer claims a frequency response from 38Hz to 50kHz, and a SPL of 107dB max.

### Type 07

**Manufacturer:** HEDD  
**Web:** www.hedd.audio  
**Where to buy:** Dealers  
**Price per piece:** 649€

- ▲ Excellent build quality
- ▲ Detailed high end
- ▲ Voluminous bass
- ▲ Wide frequency response
- ▲ Clear, dynamic overall sound
- ▲ Room-equalizer
- ▲ Bridge-slot

**Build quality:** ■■■■■■  
**Handling:** ■■■■■■  
**Price-perf.:** ■■■■■■

**Rating:** ■■■■■■

The Berlin based manufacturer HEDD was founded only a year ago. It is the brainchild of Klaus Heinz, a name that might ring a bell among technically interested producers. Around 1990 and out of his excitement for both, physics and music, he engineered the first Air Motion Transformer for a series product. Compared with other concepts, this speaker design has a much better diaphragm- to air velocity ratio, resulting in an exemplary accurate, vivid and high resolution sound. In 1999, Mr. Heinz founded the company ADAM Audio and introduced the X-Art-Tweeter with AMT technology to the pro audio world, a kind of signature design for the company until today. For his newest designs, however, the Air Motion Transformer was revised once more.

Because of the very stiff honeycomb-sandwich diaphragm, the woofers seem like a step upward in quality as well. Amplifiers are coming from the well-known manufacturer ICEpower. Another feature, that seems quite futuristic, is the possibility to equip the speakers with optional extension cards. Each card provides a specific digital protocol to use directly with the monitor.

### Repertoire:

The HEDD product portfolio contains three active speakers, the 2-way

nearfield monitors Type 05 and Type 07 as well as the 3-way midfield system Type 30. For this review, the focus was put on the Type 07. The monitor has a matt black, robust cabinet. The dimensions are 37x22x30 centimeters, they weigh 10 kilos per unit. On the front and below the chassis, there are two bass-ports. In between those, there is a small plate containing the companies logo and three LED's. They show when the speaker is ready to work, when the limiter circuit is active, and when a digital source is synced to it. On the back panel, you will find a gain potentiometer (-30dB to +6dB) as well as two trim-potentiometers for room adjustments. The speaker has a main power switch and is electrically connected via a rubber connector. Audiosignals can be routed to the speakers directly through XLR- or RCA connectors. The demo unit was not equipped with a HEDD Bridge module. The first cards will be available at the beginning of 2017, meaning that there will be AES/EBU, Dante and Ravenna / AES 67 support. There are plans for USB2 and Bluetooth interfaces as well.

### Technical aspects:

The Type 07 uses two amplifiers with 100W each. The equalizer contains two shelving filters. The high-frequency band works from 2kHz on, the bass-eq from 200Hz. They can be decreased and increased in a range of 4dB. This

### High-End:

Soundwise, the Type 07 got us excited from the very first moment. The AMT tweeter reproduces audio signals in a clean and high resolution manner. There is no harshness or coloring effects whatsoever. The woofer impressed through it's enormous pressure, even sub-bass material can be evaluated well. The over all sound seems coherent and full of details. Dynamics and depth are also exemplary. Noise is a foreign word for this new speaker design. When the monitors aren't busy playing music, they are quiet as a whisper.

### Resume:

With the Type 07, HEDD is introducing a real precision tool for music production. These monitors sound even and very nuanced. Small clicks, mixing errors and comparable problems are exposed very clearly. Despite it's analytical capabilities, they are a joy to listen to as well. Thanks to the richness of transients and the deep low-end, they make working on song ideas a lot of fun. To conclude things: the Type 07s are highly recommended, as main monitors in smaller to medium sized music studios, as playback systems in editing- and post-production-suites or in the field of broadcast. ■

**Author:** Henning Schonvogel  
*Translated from the German original version*