



TYPE MK2
BASS

QUICKSTART



THANK YOU

Dear valued customer,

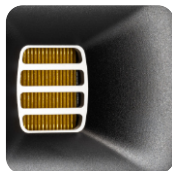
Thank you for choosing HEDD Audio and our very adaptable TYPE MK2 monitors. You have purchased premium active analogue speakers that utilize a sophisticated DSP to offer unique features for your ultimate experience.

All our TYPE MK2 and BASS speakers offer two very distinct modes that we aptly call CoP™ (Closed or Ported). By adjusting the DSP settings, it is possible to maximize the physical conditions of the cabinet, either with open or sealed bass reflex tubes.

Our speakers also integrate our HEDD Lineariser™ high-resolution zero-phase filter to enhance clarity and imaging precision, regardless of the audio chain.

We have incorporated many more features and customisation options to adapt to your needs at home or in a professional studio. Get started with this guide and read the full manual online.

Handmade in Germany, we take pride and great care in the build and performance. As a customer, we invite you to register your product to secure your limited 5-year warranty!



Air Motion Transformer

Handmade in Berlin using high quality components, the HEDD Air Motion Transformer is the result of decades of design, testing, and listening to deliver a precise and wonderfully open sound. Thanks to ultra-high frequency extension and remarkable transient response, natural sound reproduction is not compromised in any way.



CoP: Closed or Ported

This HEDD innovation was designed to enhance the accuracy of our AMT driver and allows all MK2 monitors to act as either a closed or ported cabinet with the use of a POM plug. These two monitoring systems give you different advantages depending on your space or needs: ported (open) lets you feel the music with more bass response while closed increases bass precision, texture resolution, and transient response.



HEDD Lineariser®

The heart of the MK2 range's DSP, the HEDD Lineariser is a high-resolution, zero-phase filter designed to automatically eliminate time delays in order to improve resolution, separation, and imaging accuracy. Ideal for engineering and producing setups.



Group Delay Compensation

To achieve true sound integration and system-wide phase linearity between the MK2 monitors and BASS subwoofers, we created a tool that compensates for the longer group delay of the subwoofers. This removes standard problems such as smearing and disorientation that are often inherent in the use of traditional subwoofers.



Designed and made in Berlin

All HEDD products are designed and assembled in Berlin by talented engineers and craftspeople who draw from a rich history in audio reproduction to create products tuned to the key of you.

QUICKSTART

Updating the Firmware

01

It is always recommended to install the latest firmware update. Though no update ever changes the sound, we do constantly work on improvements in user experience. Please visit hedd.link/access to download the HEDD Access Tool and follow the steps.

Placing the Monitors Correctly

02

In general, we advise placing near-field monitors at 1m - 2m listening distance and a 60° angle. The acoustical center of our speakers is our AMT Tweeter and the AMT should be placed at ear height. Please ensure at least 20-50 centimetres distance to walls.

Connecting the Speakers and Adjusting the Volume

03

The TYPE MK2 and BASS speakers support analogue balanced 3-pin XLR inputs and a digital AES3/EBU signal. The digital signal offers the maximum capable dynamic range. However, the analogue XLR input is equipped with state-of-the-art A/D and D/A conversion with excellent transparency, provides better resolution at reduced volume and has the greatest compatibility. Choose whichever performs best in your setup, yet both options are suited for achieving reference sound quality.

The volume knob on the control board is digital. We recommend setting your speaker to +12dB to ensure full resolution.

When using a BASS, connect the BASS to the interface or pre-amp and use the XLR outputs to the monitors. Matching the volume of the satellites with the subwoofer is dependent on the room, but we recommend starting from here:

Recommended Monitor Volume Setting	BASS 08	BASS 12
TYPE 05 MK2	+3 dB	+6 dB
TYPE 07 MK2	+3 dB	+6 dB
TYPE 20 MK2	-3 dB	0 dB
TYPE 30 MK2	-3 dB	0 dB

Standby

04

When not receiving any signal, the speakers will go into standby after an inactivity of 30 minutes when using the analogue input only. A white LED will confirm the status. Waking up from the energy-saving state can take up to 15 seconds. The function can be deactivated via the HEDD Access tool. The standby function is not available for digital inputs.

The Right Choice: Closed or Ported

05

All TYPE MK2 and BASS speakers include physical plugs to seal the cabinets. Doing so will change the performance of the speaker. View the instructions on the back to switch between Modes. It is important to adjust the DSP setting on the control board accordingly to equalise the performance of either mode. We highly recommend experimenting with both modes and finding the advantages for your individual workflow, setup and room influence. In general, the differences can be described as follows:

Ported mode delivers impactful bass, enhancing physicality and voluminosity. It also increases headroom and maximizes loudness.

Closed mode helps to uncover superior micro-details and increases precision, transient response, and texture quality.

There's more!

06

If you follow the steps above, you are set to go! However, there are more settings to adapt the monitors to your needs.

Depending on the use case, deactivating the HEDD Lineariser™, extending the low-frequency extension, adjusting shelving filters or correcting desk reflections should be considered. You can read up on the remaining features in the full manual, available here: hedd.link/manual

Should you have unanswered questions, you can always reach out to us by sending an email to support@hedd.audio.

Enjoy!

CLOSED or PORTED

Switching Between CoP Modes

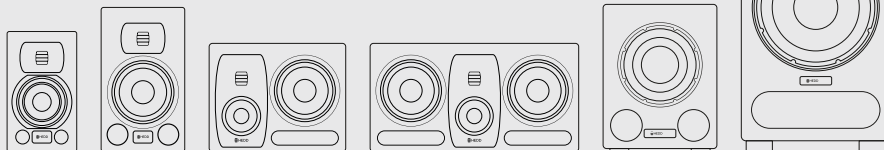
By default, the HEDD speakers are 'ported'. This means that the bass port is open. To switch to 'closed' mode, insert the included HEDD plugs with the help of the HEDD screw to close the ports. Push the plugs deep into the bass ports. **Make sure that the screws are facing outwards** and that you can still reach the screws comfortably with your fingers to pull them out. Once inserted, feel free to unwind and remove the screws.

Switch the knob on the back panel of your monitors to Closed mode. Please note that the headroom in Closed mode is limited compared to Ported mode. We highly recommend lowering the volume before switching.

To switch back to Ported mode, stop the audio playback, wind the screw back into the plug, gently pull the plug back out again and change the rotary switch on the back panel to Ported.

01

02



Heinz Electrodynamic Designs (HEDD A) is a Berlin-based creator of cutting-edge loudspeaker and headphone solutions. Founded in 2015 by physicist Klaus Heinz and his son, musicologist Dr. Frederik Knop, HEDD products include studio monitors, subwoofers, and main speakers – as well as the signature HEDDphone®. Producers, sound

engineers, recording artists, and high-end enthusiasts worldwide seek out HEDD for music production, mastering, and home HiFi. HEDD's mission has been to build products aiming for complete accuracy and outstanding signal fidelity that can accommodate a diverse range of sounds and an eclectic spectrum of musical tastes.



HEDD stands behind their innovation. That's why we offer an extended 5-year warranty, a testament to the quality of our products. The warranty includes the drivers and all mechanical parts for any defect that occurs during intended use. Any parts that are prone to wear and tear can be replaced and ordered from HEDD or any licensed reseller. Please note that to get your five (5) years extended warranty, you need to head over to hedd.link/registration and register your product – or scan the QR code to the right.

