



Model Five

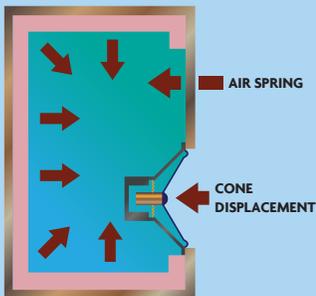
KLH Audio was established in 1957 by Henry Kloss, Malcolm Lowe & Joseph Hofmann. Henry Kloss first made his name as part of Acoustic Research with the introduction of the AR-1 and its patented acoustic suspension system that revolutionized the high-fidelity industry. Henry Kloss later left Acoustic Research to start KLH, and immediately began marketing his own acoustic suspension loudspeaker designs.

The KLH Model Five was first introduced in 1968 and was the answer to AR's popular AR-3 loudspeaker. The Model Five served as the heart and soul of KLH's success in the industry throughout the late 60's & 70's, and was one of the best-selling loudspeakers of its era.

KLH re-introduced the famous Model Five during the spring of 2021. This new three-way loudspeaker features updated cosmetics, as well as all the major advancements in transducer design that have occurred over the last 50 years. But the original acoustic suspension philosophy, cabinet construction and size all remain intact, thus maintaining the performance and appeal the loudspeaker enjoyed when it was first introduced.



Acoustic Suspension

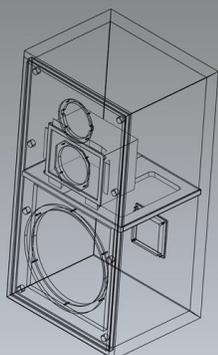


First introduced in 1954, the acoustic suspension principle has long been regarded as the most accurate of all the loudspeaker designs available. Unlike most speaker designs today, the Model Five does not rely on the stiffness of a conventional woofer's mechanical suspension to control the motion of its cone at low frequencies. Instead, it uses the acoustic stiffness of the air trapped within the enclosure to provide the necessary restoring force. This "air spring" is far more linear than the best mechanical speaker suspension and improves the cone's ability to make long excursions in order to accurately reproduce the lowest frequencies without distortion. Acoustic suspension designs are regarded all over the world for their greater accuracy, tighter bass transients and exceptional bass resolution and texture.

Dedicated Midrange Driver

The KLH Model Five is a 3-way design featuring a dedicated midrange driver housed in its own internal enclosure. It's the midrange driver's responsibility to handle the most significant, middle part, of the audio spectrum. This portion of the audio band contains the vocal and musical instrument fundamentals which are most familiar to the human ear; and where accuracy, or inaccuracies, are most easily detected. In a three-way design, having a dedicated midrange means the driver can be optimized for this specific use, since it doesn't have the additional burden of reproducing lower & higher frequencies. This results in truly remarkable clarity of vocals & instruments with less distortion.

Cabinetry



KLH quality cabinetry is immediately evident the first time you see it. The construction quality that first made us famous is still evident today. Meticulously crafted of genuine West African Mahogany veneer - the $\frac{3}{4}$ " cabinet is structurally reinforced (front, back and sides) resulting in an inert, air-tight, speaker enclosure. The midrange is housed in its own sealed enclosure to isolate the midrange from unwanted low-frequencies signals that compromise performance. The low-profile $\frac{3}{8}$ " grille frame is secured using 8 magnets.



Woofer

The 10", high-excursion, woofer is specifically designed to operate in an enclosure based on the acoustic suspension principle. The extremely low resonance of the woofer gives it a very high compliance, perfect for use in a closed box design. Featuring a high current, flat-wire voice-coil, an aluminum flux stabilizing ring to reduce non-linearities in the magnet assembly, and a heavy 6 lb. motor structure, all help to greatly reduce distortion over large cone displacements.



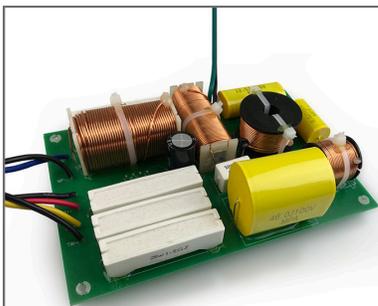
Tweeter

Tweeter technology has come a long since the Model Five was originally introduced in 1968. The lightweight 1" aluminum dome tweeter combines the virtues of accurate frequency response and dispersion characteristics that are smooth and natural.



Input/Attenuator

The Model Five input panel is made from 1/8" aluminum and incorporates a 3-position acoustic balance selector. The acoustics in typical consumer listening rooms can vary widely due to the amount of soft and hard surfaces (such as carpet & furniture) in the listening space. Regardless whether your listening room is too "live" or too "dead," the Model Five gives you the ability to rebalance the loudspeaker so it always sounds its best.



Crossover

The heart of the Model Five design is the high-quality twelve component crossover network. Where the drivers are the orchestra - the crossover is the conductor. It manages the audio signal and directs the proper signal to the correct driver.

The crossover network in the Model Five uses 12dB/octave filters slopes on all drive components. This ensures the best possible summation of drive elements over the crossover band. Subjectively, the Model Five's transition from one drive component to the next is virtually seamless, and the imaging and definition are much improved.



Slant Riser Base

Each Model Five speaker is shipped with a 5° slant riser base made from powder coated 14-gauge steel - resulting in a very solid and non-resonant speaker base. The 5° up angle ensure the sound is directed properly towards the listener when the listener is seated at a typical listening distance.