

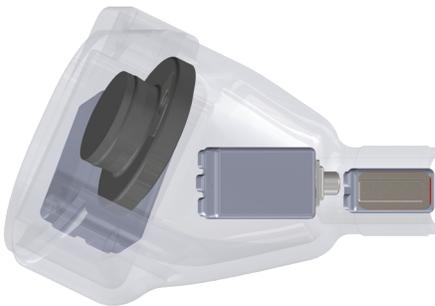


Tubeless In-ear Audio.

An industry first technology featuring a tubeless system with the all-new tia drivers.

The tia™ driver

The tia driver is an open balanced armature speaker design that brings new meaning to resolution and transparency. Opening a balanced armature unleashes the sound potential of the driver and like most hi-fi speaker designs, produces the sound with the direct-radiating, fully unobstructed diaphragm. This eliminates a lot of the vibrations and resonances that are inherent in conventional, closed balanced armature driver designs. With this new method of producing and delivering sound to the ear, conventional sound tubes and dampers are no longer necessary.



The tia™ single bore design

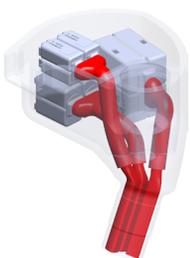
The single-bore design is a huge leap in eliminating unwanted tube resonance. The large bore itself serves as a sound-shaping chamber and aids the tia high driver in delivering a linear and coherent frequency response. Because of the extremely short sound path of the tia high driver, we've achieved a remarkable high-frequency extension and smoothness. The large single bore also helps prevent clogging of the tip and obstruction of sound.

The tia™ acoustic chambers

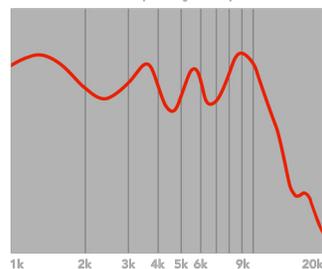
The acoustic chambers contained in the shell further shape the sound of the tia drivers. The chambers not only optimize the drivers performance by giving them their own space, but also tune the drivers without introducing unwanted resonances. The chambers are perfectly matched to each driver like a studio control room is tuned to a pair of speakers.



Conventional IEMs



Driver Frequency Response

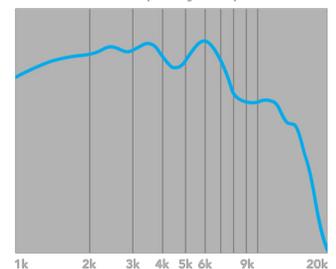


Because of the length of most tubes used in earphone designs, sound that travels through them creates a lot of resonances and distortion, adding unnatural tones to the music. The resonances, which create peaks and valleys, produce a very uneven frequency response.

IEMs with tia™



Driver Frequency Response



By eliminating tubes and sound altering dampers, the sound produced by the tia drivers is able to disperse freely and effortlessly, and travel to the ear in a more natural way. Sound produced in this manner has a larger depth and soundstage than the conventional system. The absence of sound restricting tubes yields an incredibly smooth and musical frequency response.