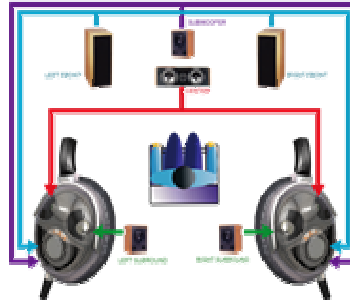


**What is Digital 5.1 Surround Sound and why is it so Important?**

In 1992 Dolby Labs introduced 5.1-channel digital sound. Movie producers were the first to embrace discrete 5.1-channel audio for films, which is the de facto standard for current production and release on DVD. Many earlier movies originally released in Dolby Surround have also been reissued on DVD in 5.1 audio, allowing them to be experienced anew with improvements in soundfield spatiality, directionality, and articulation. The transition to 5.1-channel audio is also well under way for digital TV over broadcast, satellite, and cable, while the multichannel DVD-Audio format gives a similar boost to the enjoyment of music recordings.



**LTB Patented core technologies for 5.1 Headphones:**



I.S.C Stands for Independent Speaker Chambers. Each speaker driver is encased in an individual chamber combining the isolation and resonance path to assure proper channeling of each individual sound characteristic that is targeted from one of each of six sources so the listener can better associate spatial direction.

LTB has developed a Tri-Positional speaker arrangement design intended to allow the proper angular directions required for optimal spatial reproduction of sounds. By following the natural contour of the human auricle (outer ear), TriPos takes advantage of best angle directions sound can enter the ear for truest quality.

SafeBass is a 5.1 channel signal output mixer circuit for multi-port earphones. LTB designed SafeBass into our headphones to adhere to safe listening levels established by Osha standards. Safebass is achieved by a circuit design that converges audio from front right and front left channels to produce Bass tones below 100db.

LTB uses a unique 6 contact mini-din/RCA combination plug and socket. This design enables direct connectivity to quickly interface 6 channels of audio. We imbed this connector along with LTB 5.1 circuitry in a variety of devices and interface modules and can easily offer it to third party OEM products.

