

Basics of Bass Management

An Essential Technology Unknown to Many Professionals

As a general rule, bass-management should be used in any professional recording studio that is creating content (stereo or surround) for direct consumer consumption (music, broadcast, radio, DVD etc.) and that is why it is incorporated into all Blue Sky monitoring systems.

Bass management (which is used in 90%+ of all home theatre systems and most premium car audio systems) uses filters to extract low frequency information from the main channels and then reroutes that information, along with the LFE Channel in a 5.1 system, to a mono subwoofer (multiple SUBs can be used for higher SPL, or to improve frequency response over a wider area). The advantages are overwhelming and include smaller main speakers that are easier to place, better LF response, reduced inter-modulation distortion and more repeatable LF response from room to room (small or large).