

lucid acoustics

Care And Maintenance

Your speakers have been designed to give you years of trouble free service with minimal upkeep. Clean and dust them with a damp cloth. Never use chemicals or solvents on the finishes or drivers. This can weaken the glues and finishes. Distortion is the leading cause of driver failure. If your speakers sound like they are distorting, become harsh or fatiguing, you should turn down the volume. When amplifiers are over driven they output distortion which turns into heat in the voice coil. This heat will eventually cause driver failure. Treat your speakers well and they will last for a very long time.

Installation recommendations

Bookshelf and floor standing speakers are designed to sound best when aimed directly at the listener. Do this when ever possible. Try to install them away from side walls, floors and ceilings by at least 24 inches. Also try to bring the front surface of the speakers out from any equipment or cabinets so there are minimal reflections from such items. They will sound best when their sound can travel unobstructed from the face of the speakers to the listener. Subwoofers (Subs) will sound best when placed in corners, on the floor, or near walls. Subwoofers only play low frequency and do not need to be aimed at the listener. Subs can be placed anywhere in the room without much problem. We still recommend placing them toward the front as it will give you the best flexibility when tuning the system.

Tuning

For the best sound quality, we recommend using a subwoofer with our speakers. We recommend setting them up as small speakers in the preamp or home theater processor you have. This will allow you to drive them to very high levels without distortion. The subwoofer will take all the lower frequencies and give the system a full and very large sound. If the subwoofer is placed toward the front of the room you can cross it over anywhere from 80-200hz. If the subwoofer is placed in the back of the room we only recommend crossing it over from 80-100hz. For this reason we recommend placing the Sub toward the front of the room. We recommend starting the Gain knob (volume control) and the crossover knob on the Sub 10 and 12 at the mid-point, and tuning from there. On the Sub 8 we recommend starting the Crossover knob at its lowest setting and tuning from there. Generally the only thing to adjust with our systems is the subwoofer, and getting it to blend properly with the other speakers in the system. When tuning the subwoofer first adjust the Gain level of the sub so it sounds good. From there if the system sounds thin but has adequate deep bass you should turn the crossover frequency up. If the system sounds dull and thuddy, you should turn the crossover frequency down, and possibly the gain down. If you have access to professional measuring equipment we recommend using it. If you don't, we recommend slightly adjusting the system over a few movies or albums. A well tuned system will sound balanced all the time with any source. A badly tuned system will sound great with some sources but badly with others.