Rega's Bass Resonance Technology

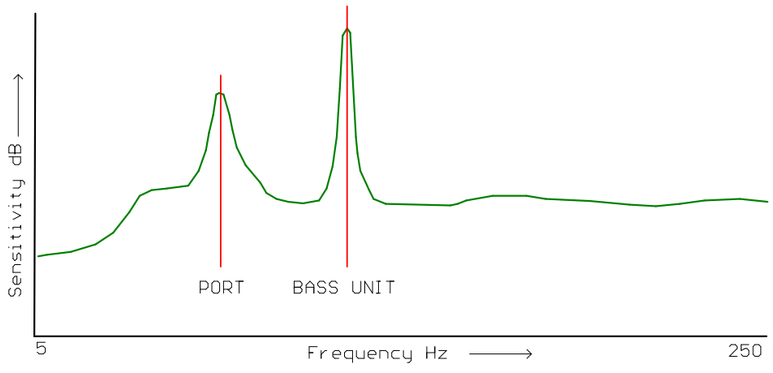

FIGURE 1

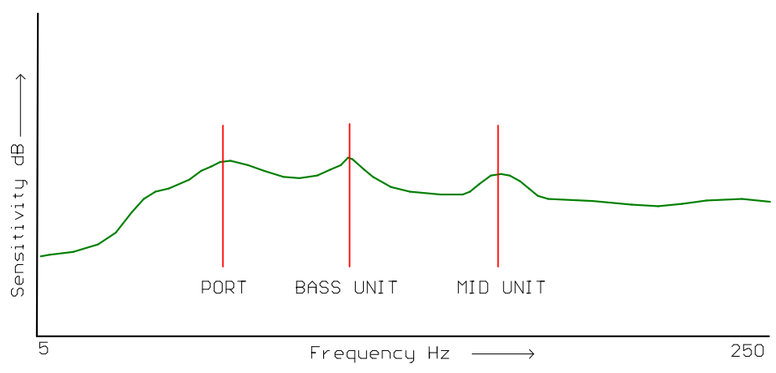

FIGURE 2

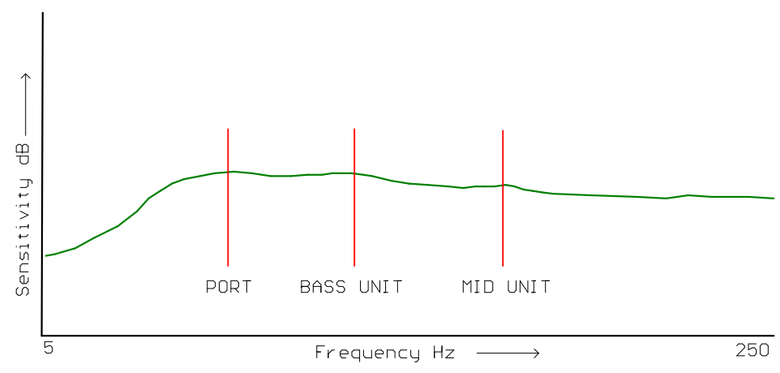

FIGURE 3

When music is played into a loudspeaker certain bass frequencies generate a higher output level, these are shown in figure 1 and are called resonances. However, if two or more different bass drivers are used to produce the bass these resonances will start to cancel each other out as shown in Figure 2. This happens because each resonance loses output to one of the others. If resonant frequencies are chosen correctly the resonance in a room can be half that of a conventional loudspeaker. Rega's two and half way system is designed to give a full natural bass response. Making our own drive units and connecting them in parallel not only enables Rega to design a system that minimize resonances (Figure 3), but the Low Frequency crossover has also been simplified, using only one inductor. This helps with amplifier loading and distortion. These ideas result in a design which has an uncompromised bass response, with great dynamic timing and depth.