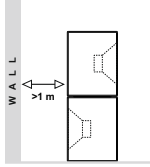


Cardioid subwoofer arrays can be used to direct the output of an array of subwoofers in order to limit excessive amounts of bass in undesired locations. Cardioid arrays can be used to keep bass off of a stage, stop destructive reflections, or just keep the bass aimed toward the intended audience and not the surrounding area.

Two, or more, MOKA subwoofers can be arranged and configured to produce a cardioid radiation pattern very simply without complex calculations or processing settings required. The processing necessary for cardioid operation is already programmed into each MOKA subwoofer's DSP.

On each subwoofer facing forward (towards the audience), the standard "xxxxxxxxxxx" Preset should be selected and on each unit facing backwards (away from the audience), the cardioid "xxxxxxxxxxx CD" Preset should be used. **The facing backwards subwoofers must always be the passive units.**



Minimum distance from the wall

For optimal cardioid configuration, position the subwoofer array at least 1 meter away from the wall. If this minimum distance cannot be maintained, use the standard Preset, face all subwoofers forward and place them as close to the wall as possible .

Application Examples:

SPL mappings were simulated with NEXT-proaudio AST (Acoustical Simulation Tool) modeling software

