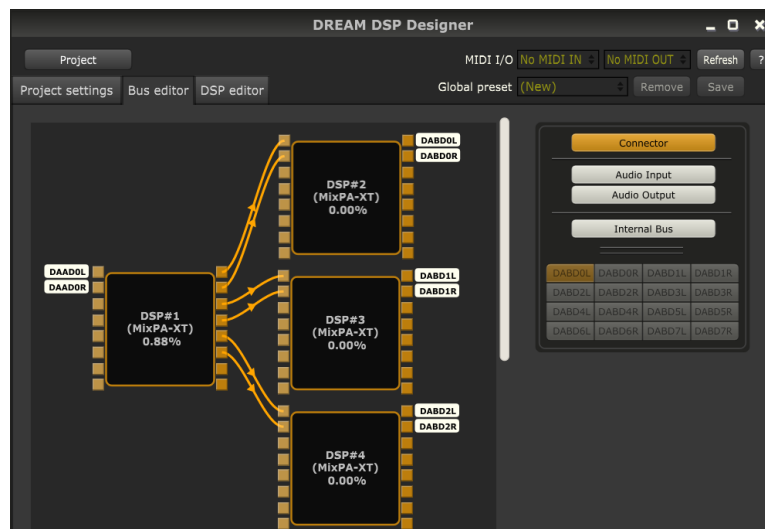# Using Dream DSP Designer for Loudspeaker applications

Dream DSP Designer© software is an user-friendly GUI (graphic user interface) which allows designing high quality configurable sound systems, used in loudspeakers (e.g. Crossovers) and other Pro-Audio products. The user can use a multiple combination of processes (filters, dynamics, delays etc.), the software automatically generates ready-to-use firmware form this design. This allows optimized time-to-market product design.

How to make a crossover product without effort?

The SAM5504B / SAM5704B include four highly optimized 24bit DSP engines with embedded RAM. Each DSP has 8 input and 8 output channels. Each input and output of each DSP could be interconnected or routed to an audio Input/Output.

By double-clicking a DSP you can enter into the DSP module edition. Several processes could be picked and placed wherever in a process chain within a DSP by a drag and drop from the process list. Processes could be placed in any order.