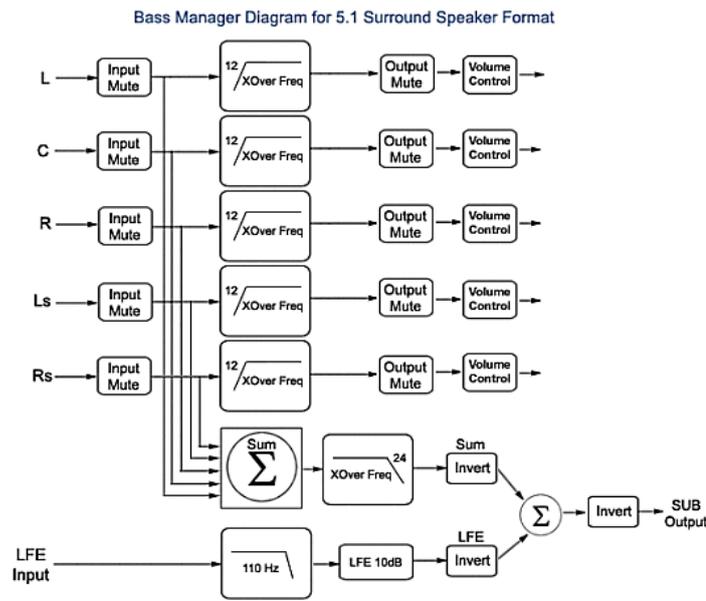


Bass Management

(C) Angelo Farina, 2006, University of Parma, ITALY

Bass Management is a multichannel VST plugin which emulates the bass management processing performed by most home-theater receivers/amplifiers.

In practice, the processing network is as follows:



The user chooses the cutoff frequency for crossover, and has the possibility to switch on the +10dB boost of the LFE channel, as specified in DOLBY AC3 encoding.

It must be remembered that the output channel n. 4, named Sub, has not to be confused with the input channel n. 4, named LFE. The latter is the feed for the subwoofer, and contains all the low—frequency content of all the 6 input channels.

Instead, LFE contains loud effects (usually, but not always, at low frequency) and is different from the other 5 channels as it represents signals which are scaled down by 10 dB (and hence, being the full scale level higher, it can contain very loud effects without incurring in digital clipping).

The following picture shows the user's interface of Bass Management:

