

ALF120 Amplification - DSP Requirements



The ALF120 is a highly sensitive passive discreet subwoofer, suitable for in-wall, ceiling or joinery installation. Due to the Distributed Transmission Line design and nature of the installation, the ALF120 requires DSP amplification to both protect the device from damage when overdriven, but to also allow for correct and accurate integration to the rest of the system.

If DSP settings are not used, you run the risk of permanent damage to the device, as well as impacting loudspeaker performance characteristics.

This document outlines the required DSP settings to ensure correct and safe performance of the loudspeaker device.

Maximum Peak Input Voltage

17.5V

Bandpass Filter/Crossover

Filter	Frequency	Filter Type	Filter Slope
High Pass	24Hz	Linkwitz-Riley	48dB/Octave
Low Pass	135Hz	Linkwitz-Riley	48dB/Octave

Parametric EQ

Filter	Frequency	Gain	Q
PEQ1	175Hz	-10dB	10.0
PEQ2	120Hz	-8dB	10.0
PEQ3	54Hz	-2dB	3.5

Warranty is void if DSP settings are not used with an amplifier set in accordance to these guidelines