Yorkville Sound/VTC Pro Audio

VTC EL208t Digital Signal Processor Settings

Processor Model	**DLMS4080**
Speaker Models	**EL208t**
Revision Date	**10/20/10**

Processor file name: **EL208FR**

Program only for use with VTC power amplifiers or power amplifiers with a gain of 32dB.

Conditions For Use

Set-up for 2 EL208t

VTC Power Amplifier Configuration:

LOs: 1 per amplifier channel, amp in 2 channel mode.
HIs: 1 per amplifier channel, amp in 2 channel mode.

Set all power amplifier gains to maximum.

Enable the amplifier limiter on the LO and HI amplifiers.

Please do not substitute another model of amplifier or the processor output channel limiter and gain values will be incorrect and may damage the loudspeaker drivers.

To substitute a power amplifier the processor output channel gain, and limiter threshold must change.

Do not Y-cord sum 2 outputs of your processor into one amplifier. The result may damage the loudspeaker drivers

The DLMS4080 output channel limiters are present to protect the loudspeaker drivers.
The DLMS4080 input channel limiters should be set-up as the performance limiters.

Digital Processor Output Channel Settings

Bi-Amp With Sub	**EL208t**	
Power Amplifier	**V44**	**V42**
Amplifier Gain	**32dB**	**32dB**
Output	**LO**	**HI**
Output Gain	Minus 3.0 dB	Minus 2.75 dB
Delay and Polarity		
Output Delay	0.0 ms	0.260 ms
Polarity	Normal	Normal
Crossover		
Output Low Shape	Linkwitz	Linkwitz
Slope	36dB/Oct	48dB/Oct
Low Corner Frequency	60 Hz	760 Hz
Output Hi Shape	Linkwitz	-
Slope	48dB/Oct	-
Hi Corner Frequency	1020 Hz	-
EQ		
Output EQ1 Type	Hi-Shelf	Lo-Shelf
Output EQ1 frequency	260 Hz	7500 Hz
Output EQ1 +/-	Minus 9.0 dB	Minus 7.0 dB
Output EQ1 Bandwidth	1.13 oct/Q=1.244	1.13 oct/Q=1.244
Output EQ2 Type	PEQ	PEQ
Output EQ2 frequency	900 Hz	3400 Hz
Output EQ2 +/-	Plus 2.0 dB	Minus 6.0 dB
Output EQ2 Bandwidth	0.23 oct/Q=6.265	0.53 oct/Q=2.706
Output EQ3 Type	PEQ	PEQ
Output EQ3 frequency	-	1500 Hz
Output EQ3 +/-	-	Minus 3.0 dB
Output EQ3 Bandwidth	-	0.16 oct/Q=9.012
Output EQ4 Type	PEQ	PEQ
Output EQ4 frequency	-	880 Hz
Output EQ4 +/-	-	Minus 2.0 dB
Output EQ4 Bandwidth	-	0.11 oct/Q=13.112
Output EQ5 Type	PEQ	PEQ
Output EQ5 frequency	-	-
Output EQ5 +/-	-	-
Output EQ5 Bandwidth	-	-
Output Limiter		
Threshold	Minus 4.0dBu	Minus 4.0dBu
Attack	4.0ms	0.3ms
Release	8X	16X