

VTC Digital Signal Processor Settings

Processor Model	DLMS4080
Speaker Models	EL210/ELS212
Revision Date	8-May

Bi-Amp Full Range	EL210	
	Low	Hi
Output Gain	Minus 2.5 dB	Plus 2.5 dB
Delay and Polarity		
Output Delay	0.0ms	.312ms
Polarity	Normal	Normal
Crossover		
HP Resp. Shape	LR 24	BUT 18
HP Frequency	45 Hz	950 Hz
LP Resp. Shape	LR 24	-
LP Frequency	1000 Hz	-
EQ		
Output EQ1 Type	PEQ	PEQ
Output EQ1 frequency	60 Hz	1000 Hz
Output EQ1 +/-	Plus 4.5 dB	Minus 8 dB
Output EQ1 Bandwidth	0.25 oct/Q=5.7	0.35 oct/Q=4.1
Output EQ2 Type	PEQ	PEQ
Output EQ2 frequency	267 Hz	1603 Hz
Output EQ2 +/-	Minus 4.5 dB	Minus 12.75 dB
Output EQ2 Bandwidth	0.5 oct/Q=2.8	0.8 oct/Q=1.7
Output EQ3 Type	PEQ	PEQ
Output EQ3 frequency	341 Hz	4000 Hz
Output EQ3 +/-	Minus 5 dB	Minus 13 dB
Output EQ3 Bandwidth	0.75 oct/Q=1.9	0.7 oct/Q=2
Output EQ4 Type	PEQ	PEQ
Output EQ4 frequency	649 Hz	6490 Hz
Output EQ4 +/-	Minus 11 dB	Minus 4.75 dB
Output EQ4 Bandwidth	0.45 oct/Q=3.2	0.15 oct/Q=9.6
Output EQ5 Type	PEQ	PEQ
Output EQ5 frequency	784 Hz	14000 Hz
Output EQ5 +/-	Plus 6 dB	Plus 8 dB
Output EQ5 Bandwidth	0.2 oct/Q=7.2	0.30 oct/Q=4.8
Output Limiter		
Threshold	Minus 2.5dBu	Plus 3dBu
Attack	4.0ms	.3ms
Release	8X	16X

Bi-Amp With Sub	EL210	
	Low	Hi
Output Gain	Minus 2.5 dB	Plus 1.5 dB
Delay and Polarity		
Output Delay	5.5ms	5.812ms
Polarity	Normal	Normal
Crossover		
HP Resp. Shape	LR 24	BUT 18
HP Frequency	100 Hz	950 Hz
LP Resp. Shape	LR 24	-
LP Frequency	1000 Hz	-
EQ		
Output EQ1 Type	PEQ	PEQ
Output EQ1 frequency	-	1000 Hz
Output EQ1 +/-	-	Minus 8 dB
Output EQ1 Bandwidth	-	0.35 oct/Q=4.1
Output EQ2 Type	PEQ	PEQ
Output EQ2 frequency	267 Hz	1603 Hz
Output EQ2 +/-	Minus 4.5 dB	Minus 12.75 dB
Output EQ2 Bandwidth	0.5 oct/Q=2.8	0.8 oct/Q=1.7
Output EQ3 Type	PEQ	PEQ
Output EQ3 frequency	341 Hz	4000 Hz
Output EQ3 +/-	Minus 5 dB	Minus 13 dB
Output EQ3 Bandwidth	0.75 oct/Q=1.9	0.7 oct/Q=2
Output EQ4 Type	PEQ	PEQ
Output EQ4 frequency	649 Hz	6490 Hz
Output EQ4 +/-	Minus 11 dB	Minus 4.75 dB
Output EQ4 Bandwidth	0.45 oct/Q=3.2	0.15 oct/Q=9.6
Output EQ5 Type	PEQ	PEQ
Output EQ5 frequency	784 Hz	14000 Hz
Output EQ5 +/-	Plus 6 dB	Plus 8 dB
Output EQ5 Bandwidth	0.2 oct/Q=7.2	0.30 oct/Q=4.8
Output Limiter		
Threshold	Plus 4.5dBu	Plus 3dBu
Attack	2.0ms	.3ms
Release	16X	16X

Crossover For Sub	ELS212
	Low
Output Gain	Plus 1.5 dB
Delay and Polarity	
Output Delay	0.0ms
Polarity	Normal
Crossover	
HP Resp. Shape	LR 24
HP Frequency	30 Hz
LP Resp. Shape	LR 24
LP Frequency	90 Hz
EQ	
Output EQ1 Type	PEQ
Output EQ1 frequency	47 Hz
Output EQ1 +/-	Plus 3 dB
Output EQ1 Bandwidth	0.21 oct/Q=6.8
Output EQ2 Type	-
Output EQ2 frequency	-
Output EQ2 +/-	-
Output EQ2 Bandwidth	-
Output EQ3 Type	-
Output EQ3 frequency	-
Output EQ3 +/-	-
Output EQ3 Bandwidth	-
Output EQ4 Type	-
Output EQ4 frequency	-
Output EQ4 +/-	-
Output EQ4 Bandwidth	-
Output EQ5 Type	-
Output EQ5 frequency	-
Output EQ5 +/-	-
Output EQ5 Bandwidth	-
Output Limiter	
Threshold	Minus 1dBu
Attack	4.0ms
Release	8X