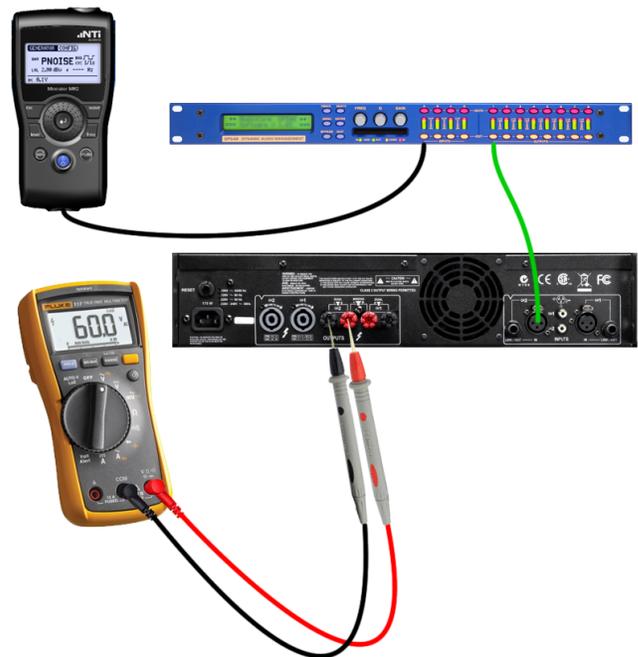


STEPS FOR CONFIGURING LIMITER SETTINGS

- First setup the system gain structure as required.
- Disconnect all loudspeakers from the amplifier! Do not connect any loudspeakers while setting limiters. This step is very important since there will be high-level signals sent through the system and damage to the loudspeakers will occur.
- Connect the RMS Volt meter to the speaker output terminals of the amplifier.
- Send pink noise through the system.
- Using the chart and formula below, raise the pink noise level until the meter measures RMS voltage just above the recommended value, approximately 2-3Volts.
- Reduce the threshold of the limiter until the RMS voltage measured is at or just below the recommended value.
- If the limiter supports attack/release values, use the table below to set them accordingly.

$$\text{SQRT}(\text{WATTS} * \text{IMPEDANCE}) * 0.707$$

Accelerated Life Rating (WATTS)	Impedance	Set Limit Threshold to (Vrms)	Impedance	Set Limit Threshold to (Vrms)
100	8	20	4	14
150	8	24	4	17
175	8	26	4	19
200	8	28	4	20
250	8	32	4	22
300	8	35	4	24
350	8	37	4	26
400	8	40	4	28
450	8	42	4	30
500	8	45	4	32
600	8	49	4	35
750	8	55	4	39
800	8	57	4	40
900	8	60	4	42
1000	8	63	4	45
1100	8	66	4	47
1200	8	69	4	49
1500	8	77	4	55
1800	8	85	4	60
2000	8	89	4	63



WARNING!!! Amplifier connections produce high-voltages. Electrical shock or damage to the product can occur if handled improperly.

Attack/Release Example:

If the HPF is 50Hz, use a release of 256ms

If the LPF is 2000Hz, use an attack of 0.5ms

Attack (ms)	LPF or HPF	Release (ms)
45	31	720
16	63	256
8	125	128
4	250	64
2	500	32
1	1000	16
0.5	2000	8
0.3	22000	4