



XMAX11 Amplifier

The only purpose of a home theater amplifier is to provide sufficient gain to achieve the desired sound levels without adding anything else, such as distortion or coloration. For reference-level home theaters, the level is based on what is achieved in commercial theaters. Commercial theaters have standards that are agreed by the industry and the movie producers, directors, the sound guys and the special effects teams. They all know what these levels are and 'design' the sound of the movie with these levels in mind. To replicate the soundtrack of a movie, as the creators intended, requires that reference home theaters can achieve the same levels of power with very low distortion and matching timbre across all channels. The XMAX11 can do this

Power is the most critical part of the design. The amp must be able to power the speakers to the reference levels the creators expect – in the home theater world this is 108dB for the screen speakers and 105dB for the other speakers. With 310 watts for the screen speakers and 135 for the others, these SPL levels are easily achievable without distortion.

Identical timbre and minimum coloration is achieved because each channel of the 11-channel XMAX11 has identical components, capacitors, power supplies, transistors, etc. This ensures that each speaker gets exactly the same sonic signature. This is necessary for a cohesive and immersive experience.

SPECIFICATIONS

| | |
|-----------------------------|---|
| • Number of Output Devices: | 28 Total Devices |
| • Power Bandwidth: | 5Hz - 50KHz +0/-3 dB |
| • Filter Capacitance: | 4 - x 1000µF per screen channel, 2 x 1000µF per other channel |
| • Crosstalk: | >70dB - 20Hz -20KHz |
| • Gain: | 28 dB |
| • Input Impedance: | 100K ohms |
| • Input Sensitivity: | 1.00 Volt |
| • Remote Trigger Voltage: | 8 to 24 Volt DC - 5mA |
| • Dimensions (HxWxD): | 7.25" x 17.1" x 17.6"/18.41cm x 43.43cm x 44.70cm |
| • Weight (lbs./kgs): | 88.1 lbs./39.96 kgs |
| • Power Requirements: | (100-120VAC/60Hz / 220-240VAC/50Hz) 2100 watts maximum |