



SF-16M Matrix Amplifier

A Powerful Tool For Your AV Arsenal

Why settle for less than the best in whole-house audio? We designed the SonaFlex series from the ground up to provide lush musicality in every zone, using elements of classic amplifier and power supply design with a new digital twist. The SonaFlex dual toroidal power plant and flexible power rail allow exceptional dynamic response, and keep distortion out of your music. Music lovers need innovative, convenient options as well, so we incorporated matrixed inputs, stereo or mono, and our exclusive FlexPort inputs, so everyone in the house can easily enjoy local sources like iPods, AppleTV, or even microphones and mixers for commercial installations.



Flexible Input Options

Up to four FlexPort audio transmitters can be connected, via Cat-5, to each SF-16M to provide easy access for local sources. Module options include digital PCM, analog RCA, balanced line/mic, and XLR inputs, accommodating anything from pro audio mixers to Apple TV media players. FlexPort modules include an illuminated button that may be used to trigger audio override at all pre-selected SF-16M outputs.



DIGITAL PCM AUDIO

Digital audio is converted to analog for use with the SonaFlex system, and local analog audio is available on the FlexPort transmitter for use with local TV output or other sound systems. Ideal for AppleTV, Blu-ray players, etc.



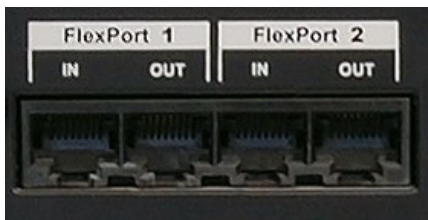
STEREO ANALOG AUDIO

Analog audio inputs are ideal for MP3 players, smart phones, tablets, laptops, and other analog sources. The convenient override button offers a simple user interface that can be used alone or in addition to an automation system.

FlexPort™ Inputs

Cat 5/6/7 inputs on the SF-16M allow up to four remote audio sources to be selected to play on some or all outputs.

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Pro Audio FlexPort Transmitters



BALANCED AUDIO

Microphones with push to talk buttons can be connected to this FlexPort module via a 4-pin terminal block. Use either the mic button or the FlexPort Override button.



XLR and 1/4" TRS

A combo jack for either XLR or TRS connections accommodates pro audio sources like microphones and mixers. The rear panel has a mic gain pot and settings for phantom power.

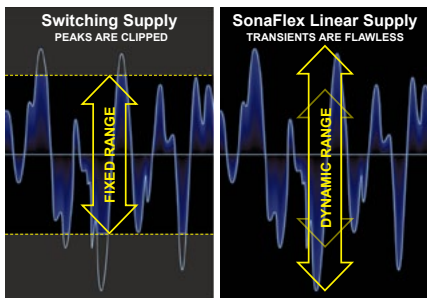
Pure, Stable and Reliable Power

Using Class-D digital amplification, the SF-16M produces a conservatively rated 45 watts per channel (all channels driven) or 60 watts (8 channels driven) at 8 Ohms and is stable to 4 Ohms. It is so rock solid that even a dead short to the outputs simply shuts off the amplifier stage until the short is corrected and then comes back on without a power cycle.

Dynamic Range Extends Response

Competing Class-D products use switching power supplies, which are efficient, but have a serious flaw: they can't manage large transient peaks, resulting in audio distortion. The SF-16M hybrid linear supply has the headroom to respond to musical dynamics with extra power, because its analog design allows its floating voltage rail to accommodate quick transient peaks in the music, instead of clipping, like a switching supply does. The result is vibrant, accurate sound reproduction that your clients will enjoy and value.

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