

Reference Series

Isolated Symmetrical AC Power Conditioner

...the ultimate expression in AC power filtering

MODELS:

RI-1210 (10 AMP)

RI-1220 (20 AMP)



Isolated Symmetrical AC Power technology provides transparent, ultra-low noise power for the audiophile/video enthusiast.

FEATURES:

- Isolated Symmetrical AC Power technology greatly reduces common mode and transverse line noise, typically up to 24 dB per total system. All symmetrical (balanced) AC receptacles are individually ground fault (GFCI) protected to ensure safe operation.
- Includes four sets of isolated, positive contact "Super Spec" AC receptacles with additional filtering for digital components.
- Handles 20 Amps continuous power (RI-1220) or 10 Amps continuous power (RI-1210)
- The toroidal transformer is the finest available, yielding extremely low magnetic field leakage. Additionally, ultra-low-noise DC tolerant technology ensures quiet operation regardless of the load.
- A precision high inrush magnetic circuit breaker/power switch provides maximum protection, while maintaining the lowest possible contact resistance.



Rear View of RI-1220

DESCRIPTION

The **RI-1210** and **RI-1220 Isolated Symmetrical AC Power Conditioners** are no-compromise, no-expense-spared designs, with painstaking attention paid to the ultimate sonic and visual impact of every component within them. The Reference Series is the flagship Balanced Power line of Furman Sound, a more than 25-year-old company that pioneered development of AC power products for the most demanding professional audio and video applications.

In the home theater/audiophile domain, the need for clean, low-distortion AC power is nothing new. But the RI-1210 and RI-1220's technology and unique implementation are.

Many designs in today's market employ simple modified RFI filters; cheap, inadequate AC outlets; high-resistance thermal circuit breakers; and poorly designed ferrite beads. All these components are capable of marginally protecting valuable equipment and reducing some forms of noise. Unfortunately, these can *and frequently do* add ground noise; create AC distortions such as ringing and phase lags; and raise the AC impedance to an unacceptable level.

Others employ more sophisticated means of electronically turning AC power to DC, then synthesizing a clean AC signal from there. Though this method has its merits for very low current demands, it is highly inefficient, can contain nonlinear distortions, and at minimum does nothing towards the grave problem of ground contamination via digital noise, ground loops and power supply "backwash" from your AC power source.

Enter the REFERENCE SERIES RI-1210 & RI-1220

With the REFERENCE SERIES exclusive Isolated Symmetrical Power, video monitors, preamps, compact-disc transports, multi-channel processors, DAC's and turntables are fed ultra-low-noise isolated Balanced Power. This provides two benefits: Not only does it ensure pure, low noise power from your home's AC supply, but it *balances* it so that noise can neither penetrate nor radiate from your components' AC cables. In addition, our Symmetrical power features *total isolation* from the AC supply it feeds. This effectively breaks hum-inducing ground loops between your sensitive audio/video equipment, numerous home appliances and other distortion generating electrical equipment without compromising electrical safety.

When employing Furman's Reference Series Symmetrical power conditioning, you will immediately notice far clearer, stunningly focused sound and visual images from your system. Video presentation will be crisp and colors true. Sonic transients will be startlingly fast with bass fundamentals that shake foundations with their weight and visceral impact. Mid and high frequencies will bloom with sweet, non-glaring ease and imaging will improve dramatically, all the while remaining true to your system's inherent virtues.

RI UNIT SPECIFICATIONS

Current Rating: *RI-1210: 10 Amps Continuous, RI-1220: 20 Amps Continuous*

Outlets: *6 (Symmetrical Balanced - Isolated)
4 (Symmetrical Balanced - Isolated with additional filtering for digital components)*

Voltage Spike Protection: *400 Volts peak @ 6500 Amps maximum surge current pulse*

Noise Attenuation: *Transverse Mode - Greater than 60dB., 1-200 MHz.*

Dimensions: *RI-1210: 3.5" H x 17.25" W x 17" D,
RI-1220: 5.25" H x 17.25" W x 17" D*

Weight: *RI-1210: 43 lbs., RI-1220: 71 lbs.*