



Made in the U.S.A.

**FURMAN®**

# DISCRETE SYMMETRICAL AC POWER SOURCE

## MODEL IT-REFERENCE

*the ultimate expression in AC power filtering*

Exclusive Discrete Symmetrical Power® technology provides transparent, ultra-low noise AC power for the discriminating audiophile/video enthusiast.

### FEATURES

- Discrete Symmetrical Power technology greatly reduces common mode and transverse line noise, typically up to 24 dB total system. All symmetrical (balanced) AC receptacles are individually ground fault (GFCI) protected to ensure safe operation.
- Includes four sets of individually isolated, electrostatically shielded, positive contact "Super Spec" AC receptacles. These power banks are provided for equipment consuming moderate power, eliminating digital noise and performance-degrading power supply backwash from neighboring components.
- Handles 20 Amps peak power, 12 Amps continuous power.
- High power components are supplied separately via Furman's Power Correction Circuit, which increases speed, transparency, and visceral impact to your power amplifiers and powered subwoofers. Additionally it provides noise-free protection from damaging transient spikes and surges to all AC outlets.
- The toroid transformer is the finest available, yielding extremely low magnetic field leakage. A rugged, well-shielded enclosure contains the field further, allowing maximum placement flexibility so the IT-REFERENCE may be installed in close proximity to sensitive components.
- A precision high inrush magnetic circuit breaker/power switch provides maximum protection, while maintaining the lowest possible contact resistance.

## IT-REFERENCE Rear View



Made in the U.S.A

### DESCRIPTION

The IT-REFERENCE Discrete Symmetrical AC Power Source is a no-compromise, no-expense-spared design, with painstaking attention paid to the ultimate sonic and visual impact of every component we employ. It is the flagship product for us at Furman, a company that has pioneered the development of AC power products for the most demanding, ultra-low noise professional audio and video applications for over 25 years. In the home theater/audiophile domain, the need for clean, low-distortion AC power is nothing new. But the IT-REFERENCE's technology and its unique implementation are revolutionary. The extreme demands encountered in the professional audio/video arena have required technological developments far in excess of typical home theater/audiophile power conditioner applications. This technology and engineering expertise, combined with critical real-world evaluation, led to the creation of the IT-REFERENCE.

With the IT-REFERENCE's exclusive Discrete Symmetrical Power, video monitors, preamps, compact disc transports, DVD players, multi-channel processors, DAC's, and turntables are fed ultra-low noise balanced power. This provides two benefits: not only does it ensure the lowest noise possible from your home's AC supply, but it also balances the power so that noise can neither penetrate nor radiate from your components' AC cables. Further, our Discrete Symmetrical Power features total isolation between each of four discrete AC banks (two outlets per bank). This positively breaks noise inducing ground loops and power supply backwash between interconnected equipment, without compromising electrical safety. This enables a video monitor to function without AC ground contamination from a compact disc player, or a preamp to function free of performance-degrading digital noise from a DAC.

The IT-REFERENCE also employs our unique Power Correction Circuit. For the first time low-level analog, digital, and video components are not modulated or distorted via the power amplifier's AC demands. Further, the power amplifier sees a highly filtered, extremely low-impedance supply of AC power. The IT-REFERENCE, in fact, has in excess of 8 Amps of current reserve for the

most extreme peak power demands. This ultra-low-impedance AC correction/filter enables power amplifiers and powered subwoofers to reach levels of performance previously unattainable. No longer will your amplifier's performance be at the mercy of your home's incoming AC power, or inferior AC protection/filtering devices. The net effect is as if your power amplifier doubled in power, and improved immeasurably in quality.

When employing the IT-REFERENCE 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.

### IT-REFERENCE SPECIFICATIONS

**AC Current Capacity:** Continuous: 12 Amps. Peak: 20 Amps (maximum combined from all outlets)

**Noise Attenuation:** Transverse mode: >80 dB  
Common mode: >80 dB, 1-200 MHz System  
Noise Reduction: typically >24 dB

**Outlets:** 8 (symmetrical balanced)  
4 (power corrected amplifier circuit)

**Dimensions:** 5.5. H x 16.9. W x 15.9. D

**Weight:** 80 lbs.

**Power Consumption:** 8.5 Watts for display and control circuits independent of actual load

**Optional mounting ears for standard 19in racks available:** Model HRKIT-REF

**Three Year Warranty:** The Furman IT-REFERENCE is protected by a three-year limited warranty covering defects in materials and workmanship.

Furman Sound, Inc. . 1997 South McDowell Blvd. . Petaluma, CA 94954 USA

Phone: (707) 763-1010 . Fax: (707) 763-1310 . E-mail: [info@furmansound.com](mailto:info@furmansound.com) . <http://www.furmansound.com>

01272003-ALLE3000