

# AudioPrism

*High-Performance Audio Products*

## ACFX™ Power-Line Filter

The **AudioPrism ACFX™ Power-Line Filter** improves the performance of high quality audio and video systems by reducing or eliminating the effects of electromagnetic interference (*EMI*) and radio-frequency interference (*RFI*) on AC power supplies. At the same time, it isolates other equipment from the power supply of the amplifier or other device plugged into the filter, which reduces audio modulation distortion (*AMD*) and crosstalk between audio and video components.

Unlike many power line filters which limit current, the high current capacity **ACFX™** allows an amplifier to perform at maximum dynamic range. An audio amplifier plugged into an **ACFX™** has a subjectively cleaner sound than the same amplifier connected directly to unfiltered AC power. Bass definition is improved, midrange sound is clearer, and high frequencies are smoother and less irritating.

All power supplies add noise to AC lines, in the form of distortion generated by diodes alternating at the 60 Hz line frequency. Large filter capacitors used in high-powered amplifiers draw high charging currents, which can produce odd order harmonic distortion. As a result, most "High End" equipment generates more line noise than less costly consumer-grade equipment. Power conditioning through the **ACFX™** eliminates this form of distortion by electrically isolating your amplifier from other components.

Power line filtering improves the sound of all audio components, including amplifiers, preamplifiers and program source devices such as CD and DVD machines and tuners. On virtually all video devices, filtered AC produces less video noise and improved color saturation.

The **ACFX™ Power-Line Filter** is available with either two AC outlets or a captive wiring harness to function as a dedicated power cable.

Using an **ACFX™** with each mono block amplifier greatly enhances their sound-the effect of a separate filter for each amplifier is quite dramatic. Isolating the amplifier produces a wider, deeper soundstage by eliminating cross modulation between the amplifier's power supplies.

The **ACFX™ Power-Line Filter** is a product of unprecedented utility, critical performance and does exactly what it is supposed to do-make your system sound better.

- *High current capacity.*
- *Extruded aluminum enclosure.*
- *Low equivalent source resistance (ESR).*
- *Superior electromechanical construction.*
- *Integrated Foundation HC High Current Power Cord.*

### Specifications



**Height:** 2.45 inches (6.2 cm)

**Width:** 6.02 inches (15.3 cm)

**Depth:** 9.5 inches (24 cm)

**Weight:** 5.94 pounds (2.7 kg)

**Length (duplex outlet version):** 5 feet (1.52 m)

**Length (captive cable version):** 7 feet (2.13 m)

**Operation (90-125 VAC, 50/60 Hz):** 30A peak, 20A RMS

**Operation (180-250 VAC, 50/60 Hz):** 24A peak, 16A RMS