

Latest Power Solutions Reduce Amplifier Hiss and Ticks

Today's high performance amplifiers, CD players and other sound and vision sources demand mains of the highest quality to enable them to provide their best performance. With mains borne interference from other domestic devices frequently polluting the power supplied to Hi-Fi and AV amplifiers, it's not surprising that equipment frequently fails to match our expectations in sound quality. Moreover, externally generated interference from industrial sources and even lightning strikes can cause potential damage to costly equipment, as well as severely compromising sound reproduction.

Advance Electronics, the UK's premier supplier of power quality management solutions, has revealed its brand new range of noise filters, power conditioners and voltage surge suppression devices, specifically optimised for the hi fi and home cinema markets. Each item has been designed to eliminate the problems that can arise when sensitive equipment is connected to a typical mains supply. In particular, dirty mains can cause amplifiers to hiss, while unwanted transients in the power supply can cause the ticking sounds that are sometimes heard through loudspeakers.

To combat these frustrating and potentially damaging forms of interference, Advance Electronics' portfolio of power quality management solutions includes the AIT 1000 noise filter, a maintenance free Galvanic isolation ultra low impedance transformer. This unit offers superior electrical noise and transient attenuation compared to the conventional filter plugs, filtered power distribution strips and electronic conditioners that are often sold as suitable solutions to hi fi related problems.

Also available is the AGT power conditioner range, which incorporates a constant voltage transformer to provide Galvanic isolation and high common and normal mode noise attenuation. These units automatically generate a stable output voltage, as well as neutralising and absorbing damaging spikes, surges and electrical noise. Advance

Electronics offers several specific models with a wide range of power ratings, suitable for any combination of pre/power amplifier and CD or AV source.

For hi fi users concerned about the damage that voltage surges and spikes can cause to their amplifiers and sound sources, Advance Electronics also offers a full range of passive transient voltage surge suppression (TVSS) devices. Each of these units features innovative matrix technology that absorbs harmful transients without causing damage to valuable equipment. Additionally, these surge suppressors can successfully eliminate the annoying ticks that are sometimes audible when an amplifier is idling without being fed a signal.

Moreover, for any enthusiasts that might be running either valve pre or power amplifiers, or even tube-based CD stages, transient surges have been proven to severely reduce the operational life of such equipment. And, with many valve components now becoming irreplaceable, the voltage surge suppression characteristics of noise filters, power conditioners and TVSS devices should be considered essential for any users wishing to protect expensive and rare equipment.

According to Managing Director Nathan Briggs, the latest Advance Electronics range of Hi Fi and AV optimised power solutions represents the natural choice for virtually any sound and vision enthusiast. 'Expensive and sensitive amplifiers, output stages and sources need a stable power source that can eliminate noise and surges. Our new range gives audiophiles a wide choice of solutions to the age old problems of hiss and ticks arising from the mains, as well as offering safety and protection for valuable components,' he said.

For further details on the full range of Advance Electronics' hi fi and AV power solutions, contact 01978 821 000, or visit <http://www.aelgroup.co.uk/hfm/hifi.htm>