

# Corinex Powerline Filter



## Problem

The power supplies of some home appliances (especially those with a transformer or a coil built-in) such as hair dryers, vacuum cleaners and electric shavers, normally generate excessive high frequency noise. These unwanted electrical signals can pass from the power supply through the input power connections into the power lines. Computers, modems and especially Powerline communications connected to these same power lines may pick up this noise, which may disrupt the Powerline communications or make them completely unintelligible.

## Solution

Corinex's new Powerline Filter is carefully designed to eliminate and block all noisy signals from entering the electrical power line grid. The Powerline Filter from Corinex purifies the signal without affecting the frequency or the level of the signal.

## Advantages

The Corinex Powerline Filter does not create phase delays, amplitude errors, DC shifts or waveform distortion. It eliminates 50/60 Hz noise and harmonics without altering the frequency characteristics of the input signal, even when these frequencies overlap with noise components.



Do not connect the filter to any Home-Plug adapters or UPA adapters such as Powerline Ethernet adapters or AV200 Powerline adapters or any other modem. Doing so will block the signal from the adapters and cause a major communications interruption.



## How can interference be controlled?

Apply suitable preventative measures to the interference source. To accomplish this, the source of the interference must be identified. A good starting point would be first to check hair dryers, vacuum cleaners, electric shavers, air conditioning units, or any device with a heavy duty motor. Install the Corinex Powerline Filter on each of these devices, one at a time, until the offending device is found and the noise eliminated. Regular, thorough electrical maintenance of equipment will also help keep noise levels to a minimum.

## Technical Specifications

Line Voltage	85-265 VAC
Line Current	10A
Frequency	50/60Hz
Operating Temperature	0° to 50°C (32°F to 122°F)
Number of Outlets	1
Housing Material	plastic
Noise Frequency Range	100 kHz - 100 MHz
Noise Attenuation Level	up to 50dB
Dimensions	9cm L x 5cm W x 3,5cm H
Weight	205g
AC Plug Type	US, EU, UK and AUS

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



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