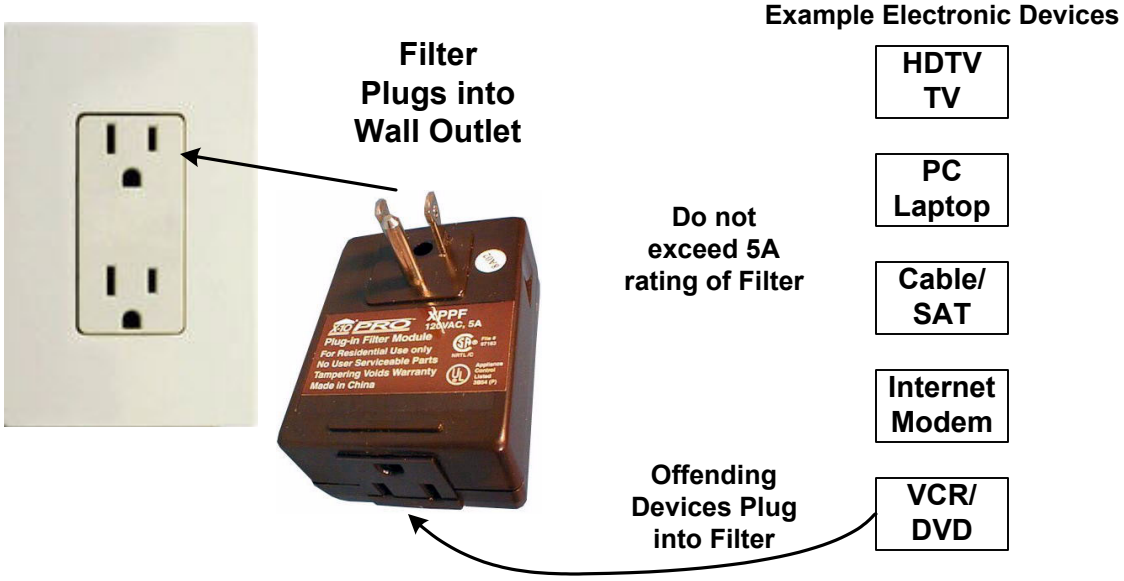
Filter / Plug-in 5A XPPF



Description: The X10 PRO Plug-in Filter is designed to reduce electrical noise (on power wires) generated from the power supply of an electronic device. When you see a signal increase (improved operation) upon unplugging an electronic device, then you have detected an offending device (noise generating). The XPPF is plugged into the wall outlet where the offending device was plugged-in and then plug the electronic device into the XPPF. The X10 Signal will now pass freely thoughout the house power system without interference from the electrical noise, which is now reduced by the XPPF Filter.

Note: Filters must always be located as close to the offending device as possible.

Specific Requirements: 120VAC, 5A.

Optional / Supplementary Devices & Modules:
XPCR - to ensure full X10 Signal Strength on both electrical 120V phases.
XPF - Noise Filter rated at 20A and is used for "Wired-in" configurations.

Electrical Protocol:
Nearly all residential homes are wired SPLIT-PHASE. Each 120V Phase is NOT directly connected with the other 120V phase. If after installation, an X10 Receiver does not respond to a remote Controller, then check to ensure that the breaker serving the X10 Receiver is on the same phase as the Controller. If not, the breaker can be changed to the opposite phase. An alternative solution is recommended, to install a Phase Coupler for improving remote communications throughout the home. See www.x10pro.com, Tech Support and select PLC Troubleshooting.

Installation:
1. Determine which electronic device is generating electrical noise, causing an X10 remote-controlled item (light, etc.) to become inoperative.
2. Plug-in the XPPF Filter
3. Plug the offending device (TV, PC, Cable/Sat, Modem, etc.) into the Filter. Do Not exceed 5amp rating.
4. Retry operating the X10 remote-controlled item (light,etc.), previously inoperative, it should now be functional.

Determining Offending Device:
1. Always unplug suspect electronic devices, turning-off is not suffcient as device power supply is still ON in the idle mode.
2. Unplug one device at a time, retrying X10 Control each time.
3. If you have several electronic devices plugged into a Surge Protector, unplug all devices, leaving Surge Protector pluged-in. This is to check if Surge Protector is interfering with X10 Signals. Then plug-in devices into Surge Protector, one at a time, retrying X10 Control each time.

Possible Offending Devices:
Flat Screen TV, VCR, Stereo, DVD, SAT, Cable, High Speed Internet Modems, Computers, Laptops, Fluorescent Lights (Tube or Bulbs), Low Voltage Lighting and general household devices recently upgraded with electronics such as microwaves, icemakers and other manufacturers electronic wall switch dimmers.

Tech Tip: See PLC Troubleshooting document, at www.x10pro.com, then select Technical Support. This literature will offer in-depth problem solving techniques using the X10 PRO Test Equipment, Phase Couplers and Filters.