

Power Filter Plug

JORMA



MADE IN SWEDEN

Power Filter Plug

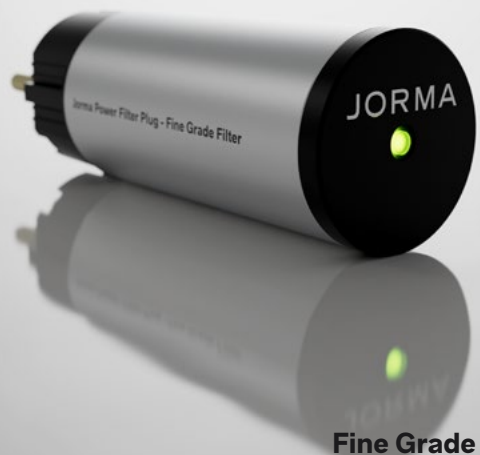
The Booster is designed to provide a garage-sized backdoor for superimposed and unwanted noise on the mains. A tailor-made passage allows harmful high frequency noise the shortest path to ground/earth, protecting electrical devices in the hi-fi system. This harmful noise also causes a phenomenon that causes the toroidal transformer to hum. By providing a noise backdoor, it will consequently balance some of the increasingly common DC-shift caused by the noise. The result is lowered tendencies of transformer hum, a quieter (pitch black) musical backdrop, and fewer resonances from the mains circuitry, allowing the recording more space in the sound stage. In addition, a high-spec over-voltage protection is implemented to help reduce the risk of surge hardware damages. The usage is intended, but not limited to the neighbouring wall socket of the hi-fi mains power strip outlet. It may also be used in close proximity to electrical appliances that have a high level of feedback noise, as an additional, and far more efficient filter compared to the majority of inferior products available today.

The Fine Grade Filter is a sophisticated filter design with more flexible and tailored multi-frequency passage to ground. There is an emphasis on reducing mid- and high-frequency noise and limiting the possible resonances they may cause. Furthermore, it offers high current, efficient over-voltage protection and very high top-frequency damping, which is particularly prone to entering all electrical devices. It is designed to be used in the neighbouring sockets of very sensitive hi-fi devices, either in the wall sockets or in the mains distribution strip. The noise that this filter targets is inaudible to the human ear. However, when it pollutes any hi-fi device, the noise becomes audible, masking delicate notes in the music and causing boomy bass. When subjected to noise that it is not specified to modulate (for the most part above 100 kHz), an integrated circuit (IC) will subsequently also start to sound bad. This will be audible in the human ear frequency range. Noise makes electronic circuitry work below its maximum performance potential.

The Resonance Damper is designed for unoccupied wall sockets that do not connect to an electrical load. When this circuit is open, both line and neutral, as well as protective earth, act like dipole antennas, picking up radio noise (RFI) and depositing it in the electrical distribution centre where all other fuse groups connect. So, any domestic electrical wire is a potential antenna that may also create resonances. Therefore, it is an excellent help to the hi-fi system in calming down and discharging high-frequency noise from these antennas and re-establishing the relation between ground and protective earth. This measure results in less polluted noise to the mains group where hi-fi connects. From a technical point of view, it is a good idea to connect a resonance damper in an empty wall socket in each room of the residence, keeping each fuse group calm and stable. Each extra Resonance Damper that is connected to an empty socket brings down the contagious RFI noise to even lower levels and protects the outgoing dedicated hi-fi mains power, especially interrupting any tendency to resonate. The Resonance Damper also provides a large current over-voltage protection. By sharing the over-voltage passage between all the connected filter types throughout the residence, the likelihood of a surge with catastrophic consequences is substantially diminished.



Booster



Fine Grade Filter



Resonance Damper