

SNS PLUG



Shunt Noise Suppressor Plug

The SNS PLUG is a unique product on the market. In a very simple and affordable way, a cleaner and thus better mains power is provided for your A/V set. All components benefit from this. The result is a clearly improved reproduction in all aspects.

Plug and Play, it can't be easier.

We are surrounded by electrical appliances more and more. Computers, peripheral equipment, wireless telephones, chargers, multiple TV sets, games consoles, microwave ovens, dishwashers etc. are common in most modern houses. All these appliances pollute the mains with noise and distortion. This pollution has a very strong - and highly underestimated - negative effect on the sound and picture quality of any audio/video system.

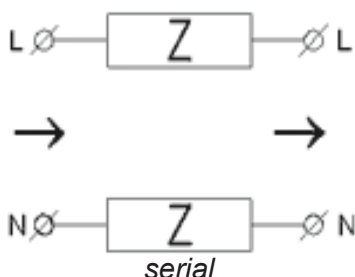
The SNS PLUG is the most simple and effective way to reduce mains pollution. It has been one of our most successful products for years with thousands of satisfied customers.

Two kinds of filtering: serial and parallel

Serial filtering

With serial filtering an inductor is added in series with the consumer. The frequency of the mains will almost completely get through, because the impedance (alternating current resistance) of the inductor is here relatively low. As the frequency rises (distortion spectra) the impedance of the inductor will increase and as a result it will become less permeable for distortions.

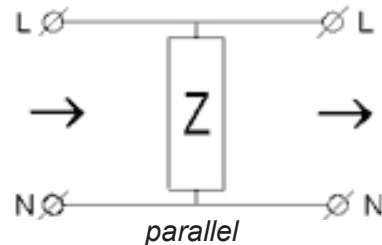
A less positive property of serial filters is that there will always be a loss caused by the impedance of the inductor



- at 50 Hz - and the resistance of the inductor wire. The POWER SOURCE is a serial filter but because of its unique design, the disadvantage mentioned above is negligible.

Parallel filtering

This is based on the principle that the parallel impedance will become lower when the frequency increases. The parallel filter will be 'seen' by mains distortion as a short-circuit, so it will be reflected to the source. Because the SNS PLUG is a parallel filter, the main current to your



equipment doesn't flow through the filter, thus preventing loss of dynamics. Other advantages are the simple construction (low production costs) and a high flexibility. A disadvantage of parallel filtering is that it is less effective than serial filtering.

Where to install?

The SNS PLUG can be plugged into any free power socket. Some effective places are:

- 1 As close as possible to the consumer unit (the source),
- 2 Into the distribution block (or line conditioner) of the A/V set
- 3 Next to the source of the distortion, e.g. light dimmer, fluorescent lightning, transformer (e.g. halogen light), refrigerator, computer, heating-installation, etc.

Mains Noise Detector

The KE-MND (Mains Noise Detector) is a tool to transform mains interference (EMI/RFI) into sound. Using this tool you are able to localize the source of the mains distortion. If you plug a SNS PLUG in the same outlet as your distortion source, you can judge the result.

For a maximum effect, we recommend to experiment with the placing of the SNS PLUG at various places. Multiple SNS PLUGS - placed on several spots in your house - is highly recommended.



The SNS PLUG has an overvoltage protection against peak- and induction charge. The stated current (88 mA) of the SNS PLUG is only capacitive. Your electricity meter will not even notice it. The real current consumption is 0,25 mA.

The configuration

The SNS PLUG consists of 3 resistors, 7 capacitors, 3 varistors and an inductor. This configuration is also used in the output stages of our POWER SOURCE.

All parts are the best quality available. After testing, the entire circuitry is potted with a permanent resin and our special black sand to create an even quieter sound by preventing mechanical resonances. Our unique black sand contains precious metals and is capable of absorbing EMI and RFI. Another important benefit is the dampening of the contacts in your distribution strip, this resembles the AC STOPPER.



The result of the SNS PLUG is a lower noise floor, higher definition, a wider & deeper sound-stage, better resolution of lower frequencies and less treble harshness with more detail.

The dynamic performance will be better too. You will hear the improvement immediately. Also, or especially, in combination with other line conditioners like our POWER SOURCE.



The SNS PLUG is available for the countries: Holland/Germany, Belgium/France, United Kingdom, United States, Canada and Australia.

SNS PLUG

product specification

- Shunt filter, no dynamic restriction possible
- Super fast reaction speed covering an ultra-wide frequency range, up to almost 1 Gigahertz/cycles
- Lowers the shunt AC line impedance
- 7 stages provide the best performance
- Over voltage and surge protector
- Potted in resin to prevent microphonic effects
- Can be combined without any problem with all other audio mains related products
- Easy 'plug and play' installation

Response from customers

Unfortunately, there is no dealer in Germany to sell Kemp products. However, the money back guarantee convinced me to buy them on the internet. I'm glad I did so, because the combination of SNS, SR and QA modules performs breathtaking in my home cinema system.

Matthias Diepenbrock from Berlin, Germany

The SNS and QA ac plugs I bought from you works very well in our demo system. Better clarity, better definition and more details. Clearly less electronic artifact in the sound.

Dealer, Jan Hass/HiFi Analyse from Denmark

A set of Plugs from Kemp Elektroniks (SNS, QA en SR) managed to turn a mid-priced Panasonic system including a digital amplifier from "seldomly used" into "always on", evoking goosebumps and even the occasional tear-drop on a regular basis. What more can one wish for...

Robert Mastenbroek from Schipluiden, the Netherlands*

On the basis of a review in the Dutch audio magazine Home Studio I purchased all three Kemp Plugs at once. Well, I have to share with you that this trio drastically changed my audio system. The output level of my sub-woofer now is halved and the bass is more taut and (much) deeper than before (and less thumpy too). I have first tested the Plugs one at a time. My findings are that the SNS-Plug gives composure, detail, authenticity and -foremost- better dynamics. The QA-Plug yields spaciousness, retrieval of fine detail and a much more musi-

cal presentation. The SR-Plug results in a cleaner, more detailed and rather effortless sound. Clearly, these Plugs show synergy; they enhance each other only in a positive manner. Considering these enormous effects, I regard the investment of less than 500 euros as relatively inexpensive. The only disadvantage I can think of was having to buy an extra power strip to accommodate these Plugs.

Johan van der Sluijs from Den Haag, the Netherlands*

I must say, that having just tried the SNS and QA plugs on my setup, they have made a noticeable difference in my system! Much more analogue sounding, with much better layering and separation. Also, more importantly, the dynamics haven't been dampened a bit!!

Wymun from Singapore

... the last plug on the test bench was the most recent version of the Kemp SNS plug; it was plugged in and unplugged again ... really, this one remains our favorite upgrade for the mains: a richer sound, better musical expression, simply more music. An all round recommendation, which is a judgement I expressed in two previous publications and to which I will adhere.

HiFi Reporter, Kilian Bakker from the Netherlands

Using the SNS-Plug, I got rid of that nasty switching click from the fluorescent tube in the kitchen at last. Sound-wise, I hardly notice the difference (if at all), but hey, I am not an audiophile.

Dhr. Jansen from Groningen, the Netherlands*

The SNS-Plug gave the phrase “a realistic sound” a deeper meaning. After plugging in, I immediately realised I took a giant leap in my quest for the absolute sound.

Karel from Zaanstad, the Netherlands

The best audio accessory I ever bought, and for such a nice price! I will waste no further words, my vocabulary on high end audio is limited, it just sounds more realistic! So: try the thing and enjoy! Mark my words: it will not return to the dealer!

Rens Hoevenaers from Den Haag, the Netherlands*

As impressive a performance as I've heard with the SNS, QA and SR Plugs. The image height and depth were impeccable and yes those 3 plugs do move an impressive amount of details, air and dynamics. After spending over 50,000 USD with my speakers, amps and SCD player those 3 plugs from Kemp Electronics costing below 800 USD brought magic to my system. Do yourself a favor to obtain the SNS, QA and SR plugs.

Khat from Japan

After plugging in the SNS-Plug nearby my audio system, I felt the impact was just too strong. I started to experiment, plugging it in everywhere in the house, I read that a central heating system can pollute the mains and indeed, there it was, the best place for the SNS-Plug. Thinking again about causes of interference with the mains, I also placed one near my PC. I clearly experience more calmness in the sound now, without any coloration.

Joop Snel from Hilversum, the Netherlands*

Over here in Paramaribo, the mains is rather miserable. The nervous unrest in the sound has almost disappeared as a result of placing a SNS-Plug nearby the audio system. Before, I used a Noise Harvester; the LED light went off like in the disco, but the unrest simply stayed. Congratulations Kemp!

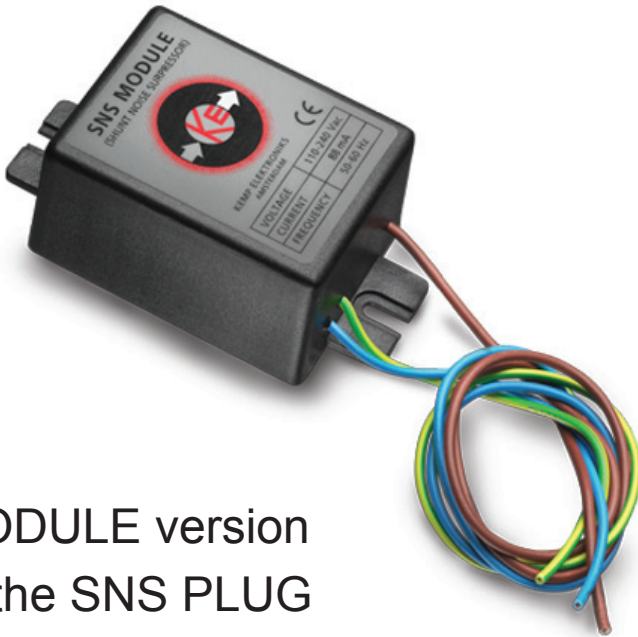
Dhr. Buringa from Suriname*

A week or two ago I bought a SNS plug from Bert. I've read a lot about the promised improving of details, better staging, tighter bass and enjoying music. I was a bit sceptical but, to be honest, it fulfilled all promises! It's not just commercial blabla, but truly enhances the musical experience. And my wife, not knowing about the tweak, noticed it too!

Teigertje from Duiven, the Netherlands (source BD-Design forum)

****) translated by John van Polen***

SNS MODULE



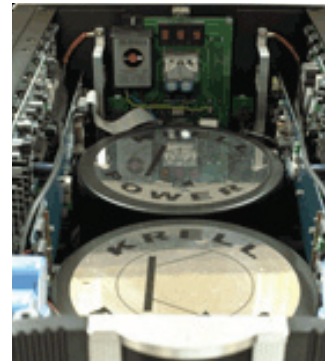
MODULE version of the SNS PLUG

The SNS MODULE contains the components of the SNS PLUG in a module type enclosure. Easy to install in a power amplifier, power strip, consumer unit or near any other source of distortion.

SNS MODULE

product specification

- Shunt filter, no dynamic losses possible
- Super fast reaction speed covers wide frequency range, up to 1 Giga- hertz/cycles
- Lowers the shunt mains impedance
- 7 stages provide best performance
- Over voltage and surge protector
- Dimensions 51 X 34 X 92 mm / 2 X 1.4 X 3.6 inch
- 2 mounting slots for screws M4 / 5/32"
- Mounting hole distance 75 - 85 mm / 3 - 3,3 inch
- Wire length 30 cm / 12 inch



This is an example of a SNS MODULE installed in a Krell FPB700cx. The results are astonishing! The soundstage doesn't squeeze that much, which results in more details throughout the entire frequency range, a more natural and powerful bass and a more transparent midrange. A clear sign the designers from this amplifier (and from many others!) didn't take mains supply as serious as they should. The simple fixed rubber power cord is a silent witness of this too...



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