



## HIDIAMOND HDX3 NETWORK SIGNAL CONDITIONER



During the Munich High-End Show, HiDiamond unveiled the revolutionary HDX3 mains power filter and power distribution device. So far the news, the following is the presentation and test. We are not convinced to deal with the subject, because many people still have to argue that audio devices need clean power.

The audio system requires electricity, this energy must be of the highest quality, with 230 Volt without interference, and an AC signal, without any hecticism, in a regular, sinusoidal form. Among the technically and service advanced networking devices, the HiDiamond HDX3 Network Noise Filter and Power Conditioner seven connectors also take on the role of power distributor to provide at least as many sound generators with good power.

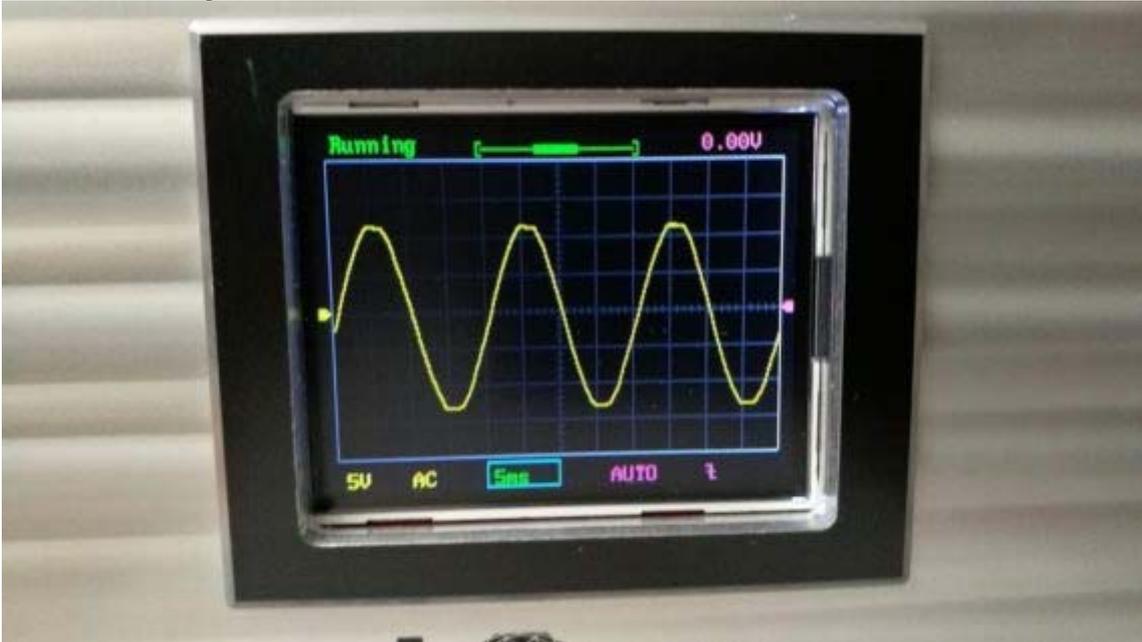


The 430mm wide (rack-sized) aluminum front panel, enclosed in a steel housing, is now standard in appearance and fits in with the overall design of our sound system. Here you like the front panel machining, the systematically arranged microbreaks provide a pleasant look.



The HDX3 comes with two pretty, key-operated remote controls to turn the device on and off. Each device has its own infrared code, and the neighbor's device cannot be switched

on, even for a joke.



The real novelty is represented by a mini oscilloscope, which shows the sine of the output current wave, because the device guarantees maximum cleaning of the output signal and a safe waveform - this is good to see, and at times glances for safety.



There is also another display for reading the operating parameters. This display shows all important and actual voltage information. The approx. A display that is hard to read at a distance of 3 to 4 meters, in this case, is considered positive. because the sight of the

mysterious blue display does not distract you from listening to music.



The HiDiamond HDX3 Network Signal Conditioner features an exclusive Japanese-built filter, which is powered by various server circuits. It is not necessarily our task to dissect the mechanism of operation of the Japanese current filter in the enclosed unit. As neither the manufacturer's mark nor the model number is on it, the information has not been published by the manufacturer, so we cannot provide it at this time. We suspect, knowing a few other models and competing products, this is only a state-of-the-art solution that solves network signal conditioning in a single hermetically sealed unit, instead of all the different parts connected without any long cables.



The HiDiamond HDX3 is powered by seven recessed sockets with high-quality gold-plated, clean copper contacts on the back. The entire system is protected by overcurrent

with a 10A automatic fuse. The total available power is more than 1000 watts. The device has another main line of protection, protecting the connected electronics from lightning and overload. It is worth noting here that no electrical equipment other than audio equipment should be connected.

Conservative hi-fi fans generally refrain from using energy filters and network signal conditioners. We, however, like this product group by trying out more products and variations, and this is reflected in our articles. Passive electronic solutions have also been highlighted among exhibitors, but more recently we have been exploring complex devices. According to the manufacturer, approx. It takes 50 hours to "burn in". After that happened, but admittedly, we were very alert to the changes.

While observing the sound, there was no sign of criticism of the narrower dynamics, the blur of the sound, the bass and the humming of the filters. On the contrary! When a complete audio system is connected to the HDX3, there is almost unlimited dynamics. For audio equipment, it is best to determine a certain volume that is supposed to resemble the volume of that particular instrument. We are primarily thinking about the sound and volume of acoustic instruments. (mean and not extreme) Then we can see that the dynamics are also directly related to the presentation of the bass energies. Whether it's a large band, solo piano, violin, double bass, cello, and percussion, the sound system must be capable of rendering the full dynamic spectrum without any limitations or distortions.

A well-made piano recording tells you everything about an audio system, and the sound of the instrument is not easy to reproduce correctly. We love listening to piano recordings by Katia and Marielle Labéque. (Sony 48381) And, since it's a very talented sibling, we can hear a "four-handed" game. In concert piano recordings, the sharpening of the sharpness found in the higher registers can be quickly discovered without the sound being artificial, as is the case with the deep registers, which makes the lower three octaves easier to understand, such as playing the chord. The same applies to the presentation of playfulness and fluidity. The details of the piano reverberation are better heard, the sound is airier and the position of the piano can be limited with good recording. Without the use of a power conditioner, the piano sounds a bit drier, the treble sounds relatively coarse, the sound a bit thinner, and at times a little turbid.

The sound of a symphony orchestra is more powerful and full. With a much more sensitive / transparent stage, each instrument in the band can be heard clearly and accurately. The location of each instrument player and the weight of the instruments represented by their instruments are very well distinguished. The harp or flute, the "ensemble" of violas, and the distinction between cellos and double basses are very clear. Bypassing the sound system, the band's structure is no longer accurate.

One of the most liked rock music of recent times is Lukács's Peta - War & Peace (Hunnia Records HRCD 1304). When using the HDX3, the electric guitar produces fuller sound a. In all the tracks the cymbals and drums sound more airy and fresh than the instrumentalists would rather enjoy the music (and we, the audience as well). The sound is one degree clearer, the overtones of electronic effects are more sensitive, and the flow of melodies is more natural. The third, depth dimension of the stage is also more pronounced, but even the singer becomes "tangible" with sharper contours.

Generally speaking, when connected to the HDX3 system, the audio provided by the audio equipment is more powerful, more coherent and more complete. With every praise to be

noted, excellent sound depends on many things, including the ability of the speaker to play a leading role. In our case, the filtering of high-frequency noise (just that) feels so much that the "interfering in dynamic" effect criticized by many does not apply here, the resulting sound is neither flat nor dynamic. The harmony of the HDX3-connected audio system is more coherent and complete, softening the annoying sharpness of some shots overall without hiding dynamics or details. CONCLUSION

There are rooms, buildings, neighborhoods where electricity is so bad that it causes nervous stress and headaches. The cities are overcrowded, and the electrical system often gets stuck and skips. The problem, according to the skilled artisan, is that instantaneous power transients, peaks, and secondary frequencies cause dangerous electrical contamination, and electrical wires work like antennas, picking up all electrical contaminants. Today we are completely surrounded by radio waves of all frequencies and wavelengths, all of which have a negative impact on the devices used for listening to music.

The power supply to an amplifier or source device must supply the operating power (!) To the electronic stages of the device, usually in a standard form. The use of a network noise suppressor, signal conditioning power generator should not have any negative impact on sound, and even its purpose is to provide "clean power" for the sound system to function, and to have that good effect on the resulting sound quality. The HiDiamond HDX3 Network Signal Conditioner provides all of this to our devices and ears without any problems.

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