

AER LP Energizer

AER Disc Energizer

Audio Engineering Research or AER in short is a technology firm from Hong Kong that has created a series of products based on technology rather than snake oil as many hifi companies are fond of doing. AER is a division of IPC, an organisation committed to making the world a little better through their Technology, many of which is industry and health sciences related. That means what they do probably have some scientific basis even if it is a little too much for the average audiophile to grasp!

One of their proprietary technologies is what they call Euphoria Technology™. It works on the molecular level and goes like this – all elements are essentially based on atoms. The basic elements in an atom are protons (the +ve charge) and neutrons (no charge) in its core, surrounded by electrons (-ve charge). We all know about splitting of the atom, so no dispute about this. Now atoms possess energy and are always in a state of vibration but in a random pattern. What Euphoria Technology™ does is to generate a 'Proton Vibration Alignment Field' or simply a PVA Field. This alignment process is temporary but it has the effect micro-phase alignment to direct the sound transmission in a more efficient way. What AER claims is Euphoria Technology™ makes our hifi sounds better. Understanding how and why their products work is best left to the

people who wears a white coat for a living, for the rest of us, we can enjoy the fruits of their labour!

'Euphoria Technology™ is based on quantum mechanics operating on the scale of picometers, i.e., picotechnology. Picotechnology refers to the manipulation of matter on the scale of trillionths of a meter (10⁻¹² m), and is much more advanced than traditional nanotechnology.'

Mr Vain, the founder of the company, is first and foremost, an Audiophile himself, so he established a subsidiary, AER, to produce a range of products that make use of Euphoria Technology™ specifically for audio. I guess we cannot argue with an atomic physicist when it comes down to nuts and bolts or the creation of the universe! Here we look at two of their products the LP Energizer and Disc Energizer.

LP Energizer

Looking like a display stand for some valuable ornament, the thick cut acrylic block on a glossy black plinth measuring 350 x 350mm. No, it does not turn or move in any way. You place the LP onto the acrylic disc over a spindle, press a button and the LP is treated with a blueish light for 6 seconds - the PVA Field. It will last for 120 minutes. Then



the LP is placed on your turntable, and with that, the entire signal path and equipment in the AV system within 1 meter of the record player will be influenced by the PVA Field. This means all the equipment will perform better, not just the record player.

'In addition, the motions of atmospheric content – mainly air molecules – will also be aligned. Once the micro-phase alignment has taken place, the signal loss in the equipment and the sound transmission loss in air will be minimized. The result will be an audio experience like never before heard.' Awesome stuff!

The LP Energizer draws very little power so is powered by two AA batteries.

Does it work? Yes, it certainly does. It does change the sound. Before I go on, let's get this straight, 'treating' an LP is not the equivalent of a cartridge upgrade, it cannot resolve information your cartridge isn't able to pick up. The difference is subtle but noticeable – a greater sense of presence, I start to notice details that were masked to an extent by a slight haze before, started emerging as the haze disappears. Now this might sound a bit like selling snake oil but you have to hear it to believe it. What the LP Energizer helps is to bring out the best your turntable based system could do, no more, no less. At \$4000, this is not cheap but along with a good record cleaner, is probably your turntable based system best friend!

Disc Energizer

What if yours is a CD based system? AER offers the Disc Energizer – the equivalent to the LP Energizer but a lot more affordable. Like the LP Energizer, 6 seconds is all you need to 'align' the protons. The added advantage is it works for not just the CD, but your DVD and Blu-rays discs.

'The Disc Energizer upgrades the audio performance of your CD and the audio-visual performance of your DVD. The upgrade takes as little as 5 seconds, yet the effect lasts for 120 minutes.

For audio CDs and DVDs, the intelligibility is significantly increased, rendering greater stereo width, more realistic

vocals and finer dynamic details. The difference it makes to audio performance encompasses all ranges: midrange is enriched, bass deepened and treble extended. The listener's audible perception becomes exceptionally precise and three-dimensional.

As for DVDs, the enhancements to motion pictures are also brilliant! Graphics are visibly more vivid, solid and 3D-like depth; the details in images are notably sharper and the texture therein become more realistic. Even the Blu-ray Disc and HD-DVD performances can be upgraded using this unparalleled processing. All these enhancements are made possible only through the implementation of IPC's proprietary Euphoria Technology™.'

'For CDs, the Disc Energizer enhances audio intelligibility, the details and stereo sound imaging, while on your Home Theatre System, it enhances the details and sense of dimension of motion pictures, as well as color contrast and sharpness of graphics'.

AER products are now available at Modular Audio.

