

EMPEROR DPM-8P

MUSICAL! POWERFUL! AUTHORATIVE!

"Direct Port Modulation is the final nail in the coffin for sub design. I have been using these subs (including a 9" cube) for over a year. They work in every situation I've tried so far for music and home theater. They have made rooms with poor bass response work like there is no problem." - Jan Plumber, TBI

The subwoofer as it is known today has been a rather disconcerting product for the high-end audio community. The very word conjures rather unpleasant thoughts of out of place boom that we audiophiles put up with in our video system. Well the controversy over what a subwoofer should do is over. Size is important so we are starting this series small in dimensions but wonderful as low frequency support for any audio-video system.

The new Emperor DPM 8 represents an audio technological tour de force for bass reproduction. It is a small .84 cu ft internal volume cube subwoofer that efficiently produces bass frequencies from below 20Hz to above 200Hz. The driver used is low mass aluminum operating in a balanced pressure environment with 5mm maximum required travel. It typically requires less than 10 w for the DPM-8 to support full range material operating at 90db room SPL.

While the EMP-8P may look somewhat familiar it is based on totally new subwoofer design principles. DPM (Direct Port Modulation) is the first departure from introducing the driver diaphragm energy directly into the enclosure volume. The DPM-8 puts the ports ahead of the box to not only eliminate boxy sound but also allow all bass frequencies to be output with equal efficiency and low distortion. An internal manifold maintains the port first in the pressure sequence then allows the box to do its magic. An internal acoustic transmission line maintains the standing waves at the port throat. It is an acoustic engine, which incorporates clever turbo bass extension and capable of launching broadband output as stable standing waves. There is no static frequency dominating the enclosures internal pressure. The ports launch critically damped standing waves with the drivers' motion minimal throughout its bandwidth. The room is ignored as a source of signal modulation as the Acoustic Intake Regulator (AIR) isolates the driver. This serves to both isolate the room while dynamically adjusting the drivers' acoustic impedance to comply with its ambient environment.

The DPM-8 doesn't unload quickly in the infrasonic range and will load the room in this range when information is present making ambience an important contributor to realism when its there. (request graphs)

There are a few secrets here as well as patented generic acoustic processes that are now available in the Emperor DPM-8. The Emperor series of audiophile subwoofer promises to bring joy when you turn your system on and play your music or settle for something on the videophile side of your system. The DPM-8 really shows its capability reproducing effects naturally without boom (unless its in the source) at levels you will love. Patents issued and pending

One or two of DPM-8P subs would nicely compliment high-end monitors such as KEF LS50, Epos Elan 10 or 15, Gallo Strada, Gallo Classico CL-2, Golden Ear Aon, Adam MK3, etc. making for a relative inexpensive complete high-end audiophile loudspeaker system.