



Interview VIVID AUDIO CEO: PHILIP GUTTENTAG, B1 Decade tenth anniversary limited edition published

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In the audio market in the shape of very special Vivid Audio B1 speakers since the first launch since this has been more than a decade, Vivid Audio CEO Philip Guttentag arrived in Taiwan today, is to publish the amount of B1 is now ten years later Vivid large version facelift B1d (decade), equivalent to ten years after the Vivid Audio re-introduced to the world once again the brand's most historic speaker. Red front floor speaker is now the tenth anniversary of the amount of money B1d this new facelift, just arrived in Taiwan these days. I wonder what the past once belonged B1 bookshelf speakers or floor speakers, B1 agents later determined to be integrally molded floor speakers, B1d new facelift in appearance and B1 is almost the same height but more than ten centimeters.



B1d and B1 are very similar, it did not much change the design, but there are a lot of different small changes, Philip Guttentag said that every small change in the set up will greatly improve the sound, B1d is Vivid Audio B1 to every little detail more to strengthen and in accumulated after decades of skill, once refurbished.

Vivid Audio speaker box shape is very rare, in particular, why it beyond the traditional framework, because in the past there was an acoustic researcher Harry Olson, he has done over the box after the experiment concluded that the ball housing is the most bar, less than a square wave shortcomings very much passed. So why Vivid Audio speakers up and down narrow, and has a great arc, the reason is that their housing is designed box for the ball, a lot of this argument loudspeaker designers know, but because of production difficulties, costs high and can not adopt, but Vivid Audio for the best sound, so adhere to this design.

B1d cabinet materials and very different from the past B1, B1 of the past with the very high quality of the composite fiber, the weight is very heavy. New B1d change and Giya series using the same box structure, the innermost layer of glass fiber, carbon fiber outermost layer, the intermediate foamed material phase, this design is structural improvement, Philip Guttentag said the speaker cabinet is not heavier the better, sandwich-like structure of the composite material under the same quality of vibration suppression ability is better than a single material.



B1d monomers and past similar in appearance, but there are some changes to improve the low frequency voice coil design, reduce flux leakage and improve efficiency. With the new, the woofer update, Vivid Audio crossover crossover improved in order to better come to attenuate signals above 100Hz. Alt monomer outside more than a protective cover, and both before and after the new design of magnetic suction grille.

Monomer diaphragm central Vivid Audio looks all round, in fact, not entirely circular, but the arc angle natural vertical drop, like two poles in the perspective of the natural sagging wire, Vivid Audio Design Normal Laurence Dickie that this naturally occurring arc angle is the best, after the test is indeed the most linear, low distortion angle, but the disadvantage is the high manufacturing cost. And all of the diaphragm are using anodized aluminum, titanium and magnesium compared, the best combination of stability and density.



In Vivid Audio design, woofer design is the most special, B1d front and back of the woofer is the same, Vivid Audio uses two identical woofers in the opposite direction, is to offset the woofer movement the reaction force generated when, Philip Guttentag think the best way is the reaction slashing motion across monomer to give him one and the same force, rather than the quality of housing in most of the large rigid suppression.

On the woofer design is not only simple, for Philip Guttentag direct hands-speakers to us dismantle the internal structure, which is being the boss to do with the nature of Azerbaijan.



To come up with woofer will first look at the internal structure of the bass reflex port to remove, because the Vivid Audio speakers which no screws are used to lock a monomer. I guess the original Philip Guttentag should just remove the bass reflex port let us put his hand into the hole touch the internal structure, but then simply direct the demolition of light to see inside.



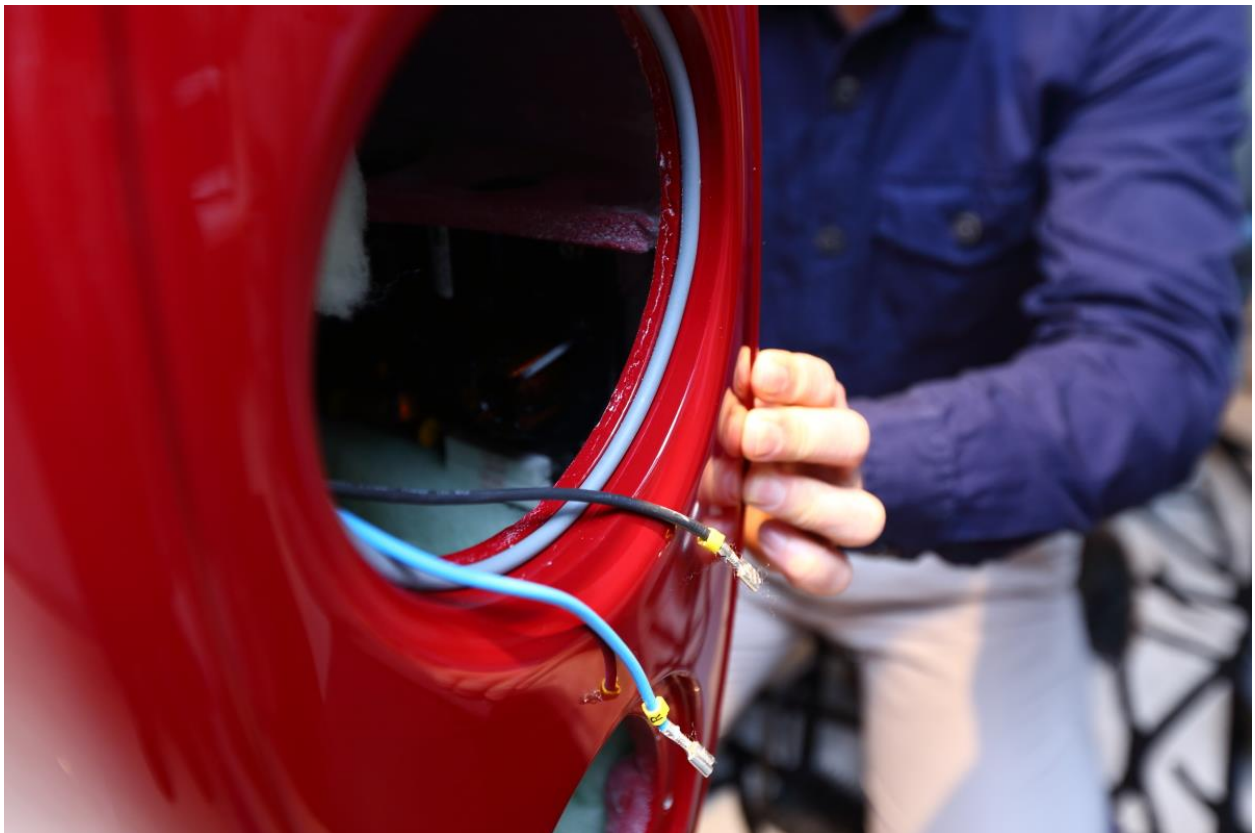
Out the rear of the woofer, of which only two attached to the positive and negative signal line, a no latch or screw. Monomers are placed on the O-Ring on the box, attached to a metal rod inside, and the other end of the metal rod is connected in front of the same monomer, like a seesaw balance on both sides, so the placement monomer does not need housing fixed, when we win this side of the monomers, the monomers need someone leaning on the other side, but otherwise it will fall out.



Demolition side, the other side to hold the front and rear against a metal rod connected to the two monomers only, is the only way to be regarded as fixed monomer.



After winning the monomer adhesive can be clearly seen in the blue box circle O-Ring, which is in contact with the monomer and the casing medium, O-Ring is made of rubber, it is possible to avoid the vibration absorbing vibration. To know this approach is very clever, that is simple, but in the production of precision to be very good, although there is no direct contact with the monomer and the casing, but have to maintain close, otherwise monomer in motion will cause excess shaking. And two woofer take a very complete match test, to be able to produce the same energy as the sound, the design makes sense to offset the force of each other.



From this perspective, we can see into the interior of the crossover.



Woofer with aluminum die-cast aluminum frame is made of a unique structure, particularly low aspect ratio of 12 pillars, and quite neatly arranged, make the sonic barrier is minimized. Single voice coil body is rectangular rather than round, in order to allow the copper clad aluminum coil winding tighter and change using Alnico magnet system that allows driving ability. The midrange and tweeter frame B1d has further improved, providing better protection for single diaphragm.



At the bottom of the speaker have the word Limited Edition Vivid Audio, B1d only limited to 200 pairs, not the product line will always exist, interested persons can get hands faster.



Vivid Audio B1 Decade Limited Edition floor speakers Specifications

- Structure: 3.5-way cabinet
- Speaker Material: Advanced strengthen 4 layers of carbon fiber composite material
- Color: Standard color: pearl white, piano black, can special order custom colors
- Base : advanced fiber composite materials
- paint finishes: high-gloss automotive paint multilayer
- single:
 - treble: D26 - 26mm metal diaphragm with a long tapered waveguide, treble D26 bandwidth of up to 44,000 Hz
 - Alto: D50 - 50mm metal diaphragm with a long tapered waveguide
 - bass: C125 - 2 x 125mm metal diaphragm monomer (coupling) new topology, the rare earth magnet design
- sensitivity: 89 dB / 2.83Vrms@1m

- impedance (Ω) : 4
- frequency range (Hz) - 6dB Points: 34 - 36,000Hz
- frequency response (Hz) 38 - 33,000 (Hz) +/- 2dB on reference axis
- total harmonic distortion (second and third harmonic) <0.5 % (frequency range)
- crossover frequency (Hz): 130,900,3500
- power Handling (Music): 300 Watts RMS
- speaker volume (mm): 1095 (H) x 265 (W) x 375 (D) ; 420 (base)
- weight: 36 kg
- transport dimensions (mm): 1250 (H) X 430 (the W) X 530 (D)
- shipping weight: 50 kg

Sheng Qi Sound: <http://www.winkey-audio.com.tw/>

Vivid Audio: <http://www.vividspeakers.com/>