



B-10d Compact Powered Subwoofer System



The new B-10d subwoofer is a really compact and affordable high-end powered subwoofer for home theater and stereo music systems that says you're dead serious about good sound. It combines 23 years of speaker building know-how with our best subwoofer technologies to deliver more sonic bang for the buck than any compact subwoofer NHT has ever built.

The B-10d is an acoustic suspension system, which means that the box itself is sealed with no ports or holes to spoil the fun. Acoustic suspension systems use the air trapped in the enclosure to control and damp the speaker's movement, a bit like the shocks on a car. Many other speakers use vented enclosures, which rely on the speaker's mechanical suspension and a tuba-like "port" to produce deep bass. While these designs can sound pretty great when properly designed, we prefer the lower distortion, higher power handling, and tighter deep bass tones offered by an acoustic suspension design.



What should a great subwoofer do for your system? It should relieve your receiver's amplifier of the burden of producing deep bass through your main speakers -allowing it to run cooler, sound better, and last longer. It should reduce your system's overall distortion by handling the lowest frequencies and leaving the midrange and high frequencies to your other speakers. It should improve the system dynamics. It should seamlessly integrate into your system and simply disappear. It should be able to do all these things without visually dominating your living room. The B-10d does all this and more with ease.



Outside - The B-10d powered subwoofer is a compact 12.6" cube - a bit smaller than a 12-pack of your favorite bottled beverage. Don't let its compact size fool you though; the B-10d packs a keg's-worth of punch into its tiny enclosure. Like all NHT Classic speakers, the B-10d comes beautifully wrapped in NHT's signature 10-coat piano gloss black finish. The B-10d's cabinet has no holes or ports that can interact with its surroundings making it ok to put it wherever it fits in your space (wall unit we're looking at you). It comes with 4 cool aluminum tippy-toes to keep it anchored to the subfloor when doing its thing on carpeted floors. We also include 4 rubber pads to keep it from doing donuts on slippery hardwood and polished concrete floors.



Inside - there's more technology and processing power inside the B-10d powered subwoofer than there was in your first computer (even if you did opt for the math co-processor). Let's start with the 300 (bone crushing) watts of really smart, efficient power. For the techies, we use a BASH PWM (Class D) amplifier design with dedicated switching power supply. Unlike traditional amplifiers, the B-10d's super-efficient design converts just about all of the electricity coming from your wall outlet to bass, instead of wasting it as heat so you can rock out and stay green at the same time.

The real voodoo can be found in the B-10d's dedicated DSP (digital signal processing) engine. The DSP engine controls everything including a phase perfect equalizer for flat bass response and 24/dB octave low and high pass signal filters to keep out unwanted frequencies. We've implemented a digital compressor and limiter in the DSP to maximize output and minimize any overload danger at the same time. Also in the B-10d's DSP is a unique feature called DRC (Dynamic Range Control) that dynamically controls the amplifier current at all speaker impedances to insure that the B-10d slams at all bass frequencies. No rulers, microphones or math. NHT engineers have expertly programmed everything at the factory. As a result the B-10d subwoofer goes lower and plays louder with way better control than any 10" sub we've ever built. Time to upgrade.

The speaker itself is a long-throw, pulp cone design with a heavy-duty butyl rubber surround. Both the cone and the massive motor structure it's attached to were custom designed by NHT specifically for the B-10d. As you can imagine, this massive woofer creates some very high pressure inside the B-10d's sealed enclosure, so we lined the interior cabinet walls with a 1 mm thick sheet of aluminum to help hold everything together and eliminate any trace of cabinet vibrations. We've thought of everything.

Backside - It's easy to integrate the B-10d with your current stereo or surround sound setup. The B-10d has LFE inputs for your receiver's sub out, line inputs for your fancy 2-channel integrated amp, and even a set of Speaker level inputs and outputs so you can connect to your vintage silver-faced stereo receiver too. There's a phase switch for matching the output of your subwoofer with your main speakers, and a two position "Movie" or "Music" EQ switch for adding a little extra low-end oomph. An automatic power mode allows the B-10d to turn itself on and off when it hears a signal from your system. The B-10d 's smart, switching power supply automatically adjusts to deliver its full output anywhere in the world on a diet of 100v to 240v at 50 or 60Hz.

The Sound - Like all NHT subwoofers the B-10d sounds powerful and natural while playing either music or movies. If cornered in an audio-jargon knife-fight, we'd describe it as being tight, controlled, articulate, fast, deep and even a bit scary when the soundtrack demands it. If you're shopping for a subwoofer that will seamlessly blend into your system, completely disappear most of the time, not dominate your room and always fool you into thinking all the sound is coming from your main speakers - stop searching and start buying.

The Company- Let's not forget that you're buying an NHT subwoofer and that means all sorts of things. It means you care about getting the best speaker value for your hard earned money. It means and you care about quality craftsmanship and high-end performance. It means you're ready to join our family of fanatics who love music, movies and the best gear that produces them. Welcome to the club, now tell your friends. Now Hear This!



Model: B-10d

Finish: Black piano high gloss lacquer

Cabinet Size: 320mm x 320mm x 320mm 12.6" x 12.6" x 12.6"

Cabinet Material: 18mm MDF with 1mm Aluminum sheet (interior)

Product Weight: 28.5 lbs. 13 kgm

Shipping Dimensions: 16 x 16 x 17

Shipping Weight: 33 lbs, 15 kgm

Woofers: 10" paper cone, long throw

Magnetically Shielded: No

Frequency Response: -3dB 29Hz - 130Hz, -6dB 27Hz, -10dB 25Hz

Distortion: <1% above 48Hz, 1W equivalent

Peak Output: @1M 117dB @58Hz, 112dB @40Hz, 109dB @30Hz

Amplifier Power: 300W, 4 ohms, <0.5% THD

Amplifier Type: BASH

Inputs: LFE on RCA, L and R on RCA

Outputs: Speaker level L and R

Adjustable Low Pass: Continuously from 50-140Hz

Phase: 2 position, 0-180 degrees switched

EQ: Music/Movie (0dB, +3dB @53Hz)

Included Accessories: 4 x metal cones with adjustment nuts, 4 x rubber pads, Setup Guide.

For more information call 1-800-NHT-9993 or write us at help@nhthifi.com