



COMPENDIUM 2009

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"Small firms are far more efficient innovators than industrial giants ... small firms are more prolific inventors than giant companies; small firms exert significantly greater research and development effort than large ones; small firms devise and develop inventions at substantially lower costs than large firms."

Walter Adams PRESIDENT, MICHIGAN STATE UNIVERSITY

In high-end audio, behind almost every breakthrough product, is a solitary and slightly rebellious individual who simply won't settle for second best.

Many of these individuals have founded companies born out of their frustration with compromised products claiming to be more than they really were. That's why **PBN** was created almost two decades ago by **Peter Bichel Noerbaek**.

Noerbaek is an inventive engineer, first and foremost. Second, he doesn't suffer compromise gladly. And lastly, he refuses to accept "that's the way it's always been done" as a rationale for anything. "The truth is in what you hear," he contends.

As you peruse this compendium of Noerbaek's inventiveness you will soon discover that PBN is more than a speaker company. It is a *total-system* company creating amplifiers and pre-amplifiers specifically to support the wholly uncompromised speakers PBN creates.

The same attention to meticulous detail that goes into each and every PBN speaker is also found in every PBN component ... including Noerbaek's award-winning turntable. But, unlike some high-end audiophile products, these pieces are just as beautiful to the eyes as they are to the ears.

As a native of Denmark, Noerbaek's sense of furniture design is innate. As an engineer, he has gone to extremes to assure that every speaker, component and cable is absolutely the very finest available. There are no shortcuts, no obsolete parts and no concessions. It's a take-no-prisoners approach! Everything is perfect, inside and out. But ultimately, it's still about performance. And, as one reviewer quipped: "Noerbaek puts the *bling* inside, where it truly counts."



**SPC-2
CENTER SPEAKER**

Designed as the ideal center channel to complement PBN Audio's SPi, EPS-2 and XPS Home Theater Speakers. The SPC-2 offers extremely natural voice quality due to its superbly flat frequency response (40Hz to 30 kHz ± 1.5 dB). Measures 29"W x 14"D x 10.5"H. Weight: 70 lbs.



MINI-MONITOR

Our petite high-quality speaker developed to be driven by almost any amplifier in limited-sized listening areas. Known for its unusually flat frequency response, this speaker is only 10"W x 11"D x 14"H. Weight: 25 lbs.



MONITOR

Versatile, easy-load speaker designed for single-ended triode amplifiers. Superb bass response for its compact size: 12"W x 13"D x 18"H. It also makes a great rear channel speaker in a 5.1 surround system. Weight: 35 lbs.



**SSW
SUBWOOFER**

Its truthful bass make the SSW ideal for music listening as well as home theater sound effects. Two extremely long-throw 12" woofers reside in a beautifully finished 19"W x 21"D x 33"H custom cabinet along with an onboard audiophile 500-watt amplifier. Weight: 140 lbs.



SPi

High-definition, full-range front speaker to satisfy music aficionados as well as devotees to home theater. Its extremely natural reproduction heralds PBN's entry into the high-end, floor-standing speaker market. Dimensions: 12"W x 13"D x 41"H. Weight: 70 lbs.



**EPS-2
AND
EPS-2
SIGNATURE**

Recommended on Stereophile Magazine's "A-List," the EPS-2 offers a fully-symmetrical vertical array of matched drivers. Its balanced delivery results from film/foil bypass crossover capacitors. Its stately dimensions (14"W x 15"D x 54"H) make it *the* aspiring audiophile's dream speaker. Weight: 150 lbs.



**XPS
AND
XPS
SIGNATURE**

Frequency response and phase tests prove the XPS to be *the* "textbook perfect" four-way speaker. Offering the flattest frequency responses available, its gentle, refined bass delivers a level of audio finesse rarely achieved in any speaker of these dimensions (16"W x 18"D x 65"H). Weight: 200 lbs.



KAS-2

Welcome to the "Super League" of High-End Speakers. With its own 1,000-watt built-in amplifier driving a twin set of subwoofers, this two-channel speaker is designed for the serious audiophile. Dimensions: 19"W x 22"D x 70"H. Weight: 300 lbs.



WAS-2

Designed for two-channel listening in very large rooms, each speaker has two 15" long-throw professional grade woofers, two 9" mid-woofers, two 5-1/4" drivers and one hexadym tweeter, along with its own 1,000-watt DSP-based built-in amp – all housed within its beautiful custom-made 23"W x 25"D x 74"H cabinet. Weight: 400 lbs.



MASTER REFERENCE

THE ULTIMATE PROFESSIONAL-GRADE SPEAKER. Almost 7 feet of audacious audio capable of accurately reproducing every nuance in our audio spectrum – from ecstatic highs through rock-solid sub-shattering lows. Comes with PBN's external custom amplifier. (27"W x 29"D x 83"H) Weight: 520 lbs.



MONTANA SPEAKERS





While there have been many attempts to create super-sized “über-speakers” very few manufacturers have been successful. Not only has the quality of their acoustics suffered, but the cabinet design was either too imposing or downright ugly.

Yet there remained a real need for a “Super-League” of speakers — speakers capable of delivering audacious audio within a physically large venue. The idea was to accurately produce a powerful dynamic range with deliciously subtle nuances.

A few years ago Noerbaek took on the challenge. “Size has to justify itself. Anybody can build a large box. But every cubic inch must be there for a reason. Form must have a function. That’s what great design is all about. A big speaker must produce a big sound as well as a small sound more accurately. Otherwise it’s a waste of materials and energy ... and effort.”

Others have attempted it, but ended up with either a morose coffin-like structure or a hideous stack of small speakers attached to one another willy-nilly. The result usually ended up being a hodge-podge of noise.

By contrast, inside PBN’s award-winning seven-foot high Master Reference Speaker is a coherent uni-structure of carefully orchestrated chambers and baffles that work together harmoniously. The same is true of the next sizes down: The WAS-2 and the KAS-2. All of the Super-League Speakers are custom-made to the client’s preferences in wood and paint finishes. In total, the Super-League is extraordinary from the inside out and the outside in.

“Some people think luxury is the opposite of poverty. It is not. It is the opposite of vulgarity.”

Gabrielle “Coco” Chanel

SUPERLEAGUE

MASTER REFERENCE SPEAKER

Its seven feet of indisputable acoustical brilliance is capable of unleashing majestic orchestral salvos as well as the most delicate symphonic passages. Its twin 18" auditorium-grade subwoofers effortlessly deliver smooth low-end bass while its dual 10" peerless mid-woofers flawlessly deliver mid-bass punch to fully complement the world's finest pair of mid-range drivers and an exemplary tweeter. In total, its seven audiophile speakers are so uniquely harmonized that the musical presence is the most realistic ever reproduced.

Included with each paired speaker set is its own dedicated external PBN subwoofer amplifier. Each speaker cabinet is custom-built, veneered and/or painted to the customer's specifications. The front baffle is made of select planks of solid maple. Inside each speaker is a virtual labyrinth of scientifically constructed chambers designed for the optimal flow of internal sound waves.

In total, the Master Reference Speaker is seven feet of the finest possible combination of acoustically engineered speakers, unparalleled circuitry and old-world cabinetry. Think of it as a magnificent machine deserving a fine home. The real question is, will it be your home?

"Nothing great in the world has been accomplished without passion."

George Hegel PHILOSOPHER

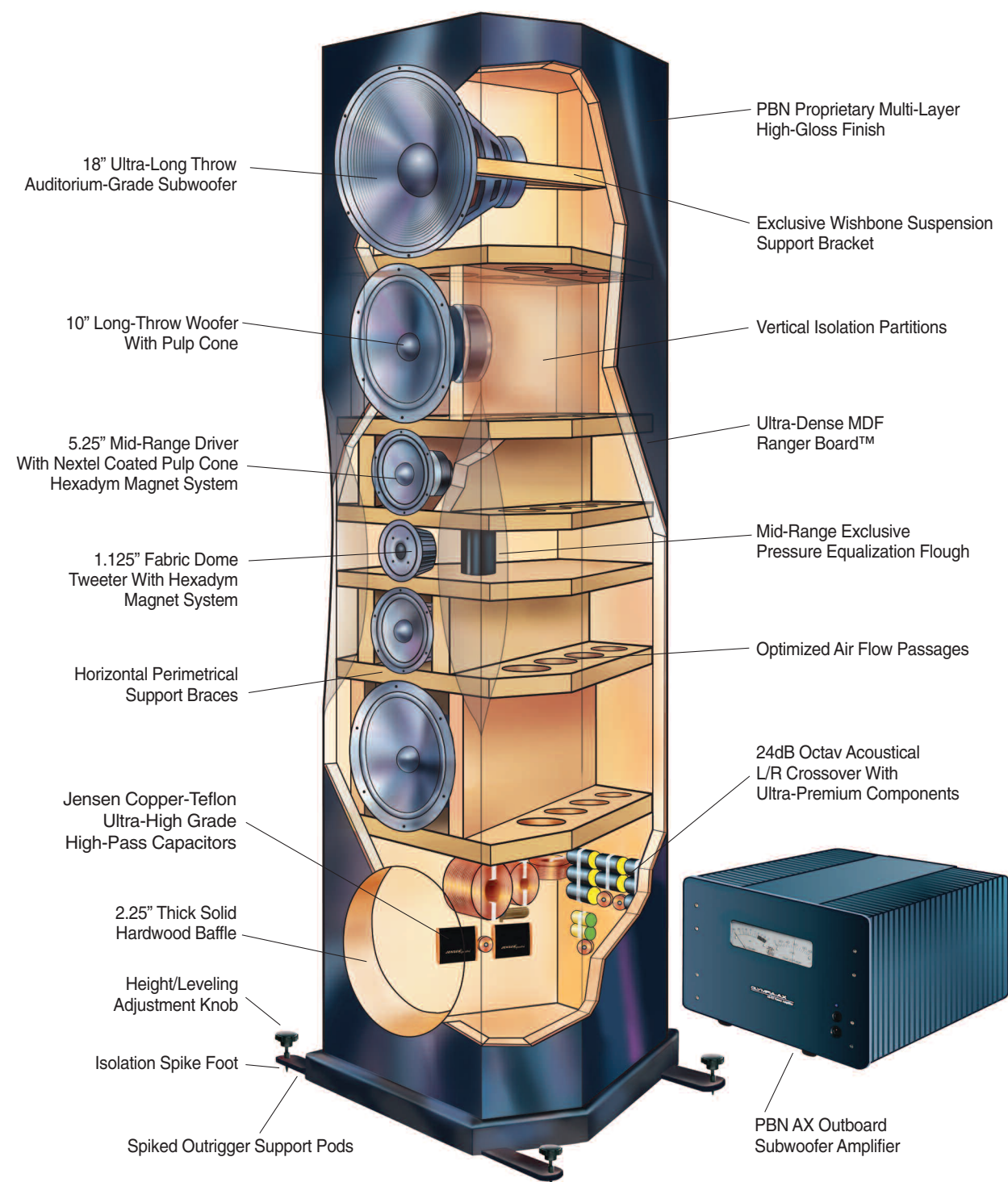




TECHNICAL FEATURES

- Precision-made cabinet with a faceplate of 2.25" solid maple hardwood. Highly engineered inner chambers designed to produce the most accurate measurable audio reproduction in the world
- Two 18" auditorium-grade subwoofers capable of delivering 130dB down to 20Hz with one-plus inches of cone excursion. Each includes dual air channels with convective cooling systems. The result is a massively clean purity at all levels
- Twin 10" Peerless™ woofers with a .75" throw matched to internal enclosures for producing accurate mid-bass
- Dual 5.25" neutrally-transparent, low-distortion mid-range drivers with Nextel-coated paper cones and a Hexadym Magnet System assuring low coloration in the mid-range
- A 1.125" high-end, high-efficiency, wide dispersion fabric-dome tweeter. Features a generously under-hung voice coil with a lead-out wire for low distortion and maximum breathing capacity
- Comes complete with PBN's proprietary 24db per octave acoustical Linkwitz-Riley crossover slopes. Plus, there are also seven precision hand-wound inductors
- Two Jensen Coherent Audio Teflon® film copper foil ultra-grade capacitors

AN INSIDE VIEW OF THE MASTER REFERENCE SPEAKER





WAS-2 SPEAKER

Incredible. That's the only word that truly describes the musical clarity of the WAS-2. Reaching beyond the fidelity that one has come to expect from modern speakers, the WAS-2 can only be categorized as within the exclusive league of "ultra fidelity." And within that elite club the WAS-2 is considered by experts as "The Perfect Speaker."

Pretend for a moment that you have just put on your favorite recording. Yes, you love the music and the musician. But suddenly you are hearing a presence and nuances that you never heard before. You know the piece so well, and there it is ... that little bit extra that marks the difference between good musicianship and an inspired performance.

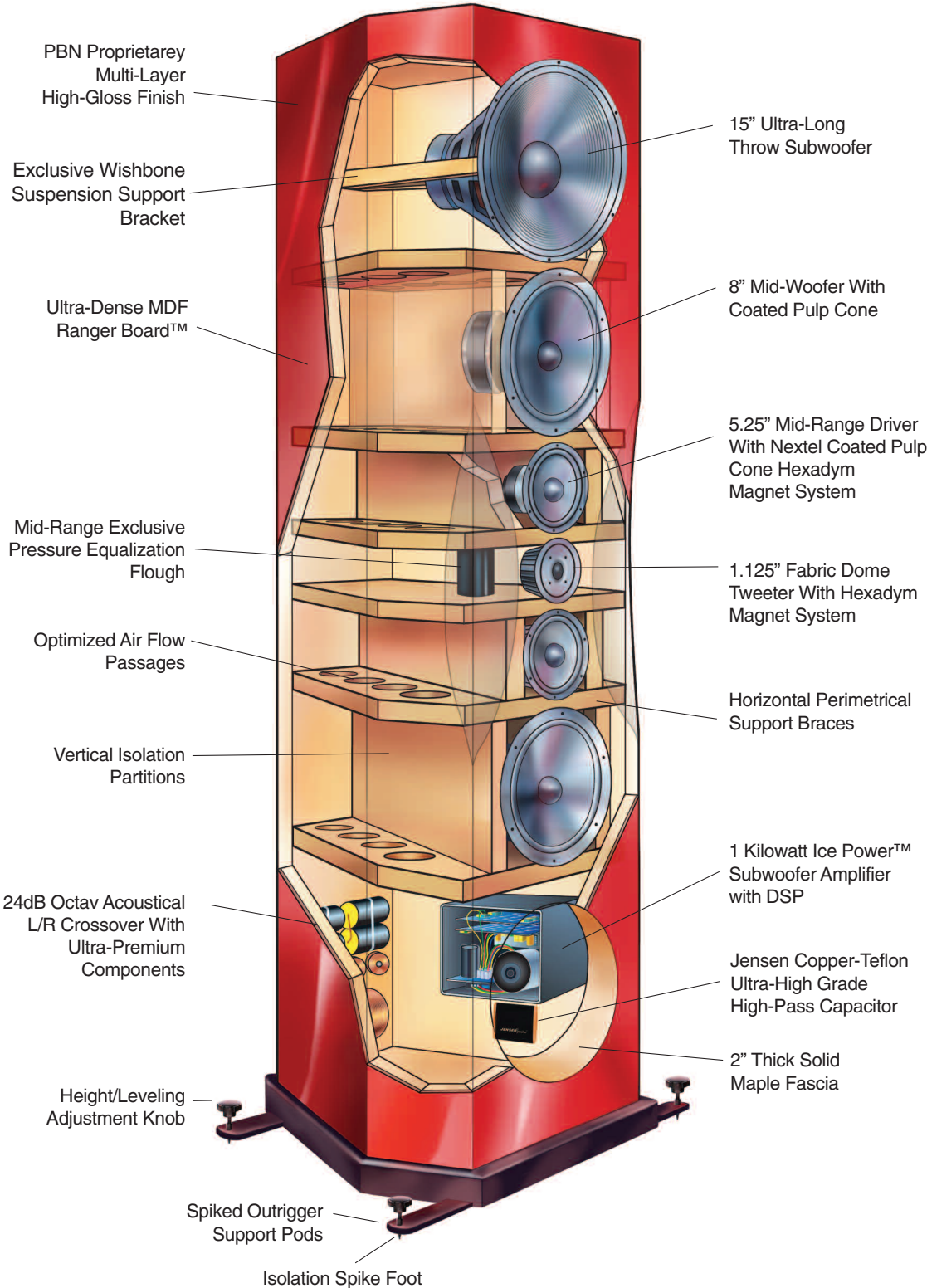
It's the same recording, but not the same speaker. This time it's the WAS-2. Uncompromised. Extraordinary and ... in a word, breathtaking. If you really want to hear it all, uncompromised and passionate the way your recordings were meant to be heard, the WAS-2 is the speaker for you. Nothing else makes the grade!

"When I am working on a problem, I never think about beauty, but when I finish, if the solution is not beautiful, I know it is wrong."

R. Buckminster Fuller FUTURIST



AN INSIDE VIEW OF THE WAS-2 SPEAKER



TECHNICAL FEATURES

- Two 15" ultra long-throw subwoofers suspended in our proprietary wishbone support bracket to produce unsurpassed performance
- A matched pair of 8" mid-woofers with coated pulp cones assures smooth frequency response for ultra-accurate mid-bass punch. The extra-large magnet system along with a bumped back plate and copper clad aluminum voice coil assures unencumbered fidelity
- Dual 5.25" mid-range drivers with Nextel coated pulp cones offer exceptional versatility through a Hexadym Magnet System. This dedicated mid-range system optimizes low distortion and eliminates unnecessary coloration
- A 1.125" high efficiency, low-distortion fabric dome tweeter. The optimal shape of this tweeter coupled with a Hexadym Magnet System produces beautifully distinguishable audio in the higher reaches of the musical scale
- Comes complete with PBN's proprietary 24db per octave acoustical Linkwitz-Riley crossover slopes. Plus, there are nine precision hand-wound inductors
- A Jensen Coherent Audio Teflon® film copper foil ultra-grade capacitor

The Ice Power™ PWM Amplifier utilizes a sophisticated analog feedback system that gives it a warmth that is usually produced through analog sound. In total, this system excels at low noise and low distortion ... creating high listening pleasure.



KAS-2 SPEAKER

The ultimate result of uncompromised, cutting edge engineering. The KAS-2 is astonishing in performance as well as artful cabinetry. It flawlessly reproduces frequencies lower than 20Hz and travels effortlessly throughout the audio spectrum. As a world-class loudspeaker the KAS-2 offers an unprecedented realistic dynamic range.

There is one more attribute that should be clearly emphasized: The KAS-2 produces one of the most flexible soundstages on the market. Whether it's a full orchestra or an intimate ensemble, this speaker's seductive musicality proves its total versatility. At the same time it is one of the most efficient speakers in the "über-sized" category.

Inside the 70"-high cabinet is a series of well engineered baffles and chambers that optimize the air flow to produce a refined harmonization uncommon in an industry that pays scant attention to such sonic detail.

For dependable, stunning performance in an unquestionably handsome cabinet, the KAS-2 is THE universal choice.

"Take care of the luxuries, and the necessities will take care of themselves."

Frank Lloyd Wright AMERICAN ARCHITECT

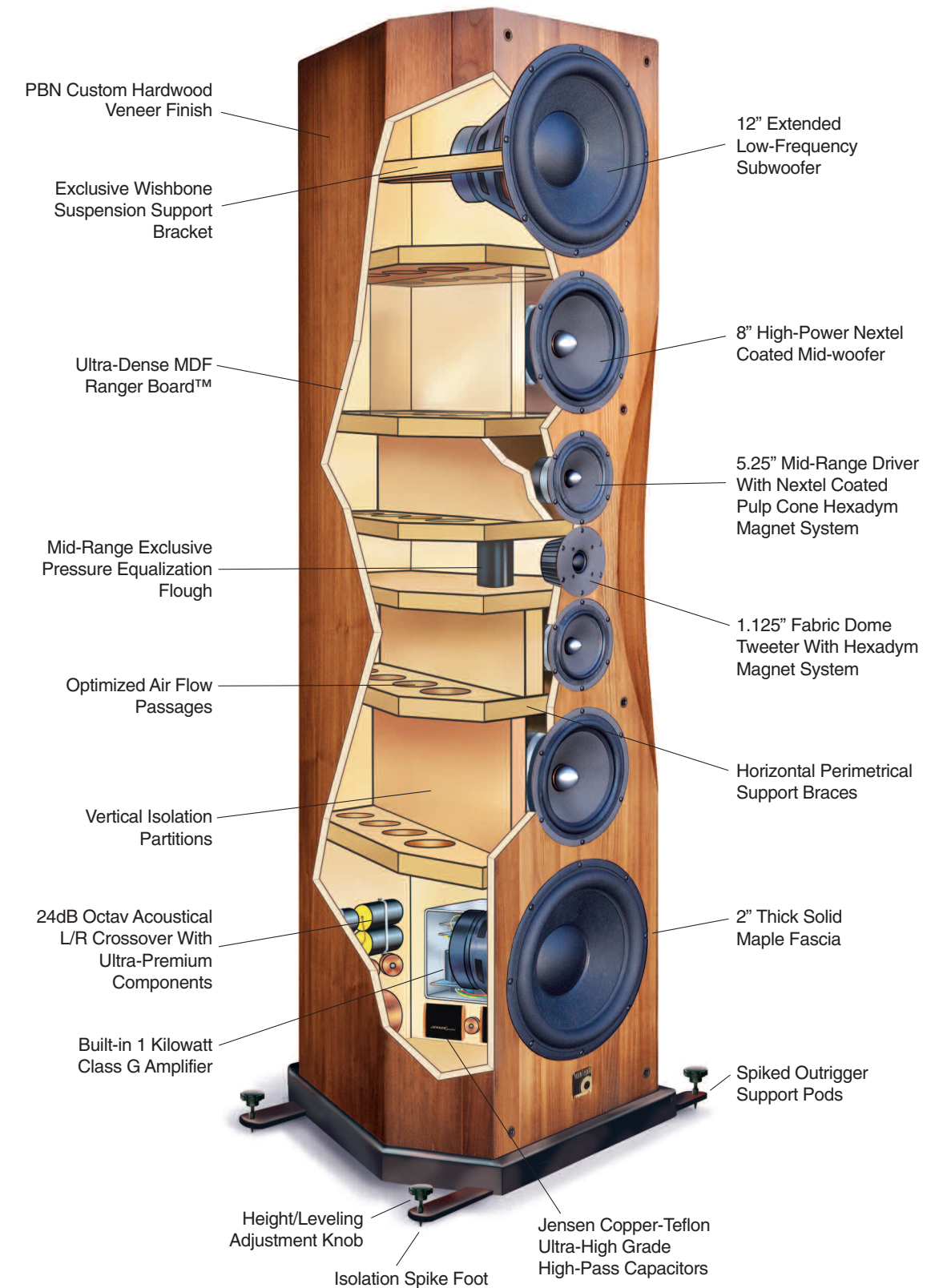




TECHNICAL FEATURES

- Built-in 1,000 watt subwoofer amplifier
- Two 12" ultra long-throw subwoofers suspended in our proprietary wishbone support bracket to produce unsurpassed performance
- A matched pair of 8" mid-woofers with coated Nextel pulp cones assure smooth frequency response for ultra-accurate mid-bass punch. The extra-large magnet system along with a bumped back plate and copper clad aluminum voice coil assures unencumbered fidelity
- Dual 5.25" mid-range drivers with Nextel coated pulp cones offer exceptional versatility due to a Hexadym Magnet System. This dedicated mid-range system optimizes low distortion and eliminates unnecessary coloration
- A 1.125" high efficiency, low-distortion fabric dome tweeter. The optimal shape of this tweeter coupled with a Hexadym Magnet System produces beautifully distinguishable audio in the higher reaches of the musical scale
- Comes complete with PBN's proprietary 24db per octave acoustical Linkwitz-Riley crossover slopes. Plus, there are also seven precision hand-wound inductors
- Two Jensen Coherent Audio Teflon[®] film copper foil ultra-grade capacitors

AN INSIDE VIEW OF THE KAS-2 SPEAKER



XPS & XPS SIGNATURE SPEAKERS

Designed for robust presentations, the XPS is a superb loudspeaker whose delivery makes it an ideal choice for the front speakers in high-end surround systems. It is a versatile speaker capable of the most delicate musical interludes as well as bombastic movie soundtracks.

Producing one of the flattest frequency responses available, the XPS renders both realistic and delicate nuances in every octave on the musical scale. In total, these speakers are the ideal duo to complement a high-end 5.1 surround system.

For rear speakers use PBN's EPS-2 or the SPi speakers. Add to this the SPC-2 for the center channel and the SSW subwoofer. As a coherent system, you will revel in perfect 5.1 surround sound ... a system that has garnered accolades from the most critical reviewers world wide.

And best of all, you will be amazed at the system's versatility. All of the acoustical vigor will be there when you watch movies. And when you desire serious two-channel music, just switch the audio output to stereo. You'll suddenly be transported to the third row center-seat at one of the grandest concert halls, without leaving the comfort of your own home.

"The English may not like music — but they like the noise it makes."

Sir Thomas Beecham CONDUCTOR



TECHNICAL FEATURES

- Faceplate crafted from 1.75" hardwood maple. (Signature version only.) Cabinet built with 1" ultra-dense MDF Ranger Board™ with acoustically engineered inner chambers
- Two 10" SEAS subwoofers
- Two 7" SEAS woofers; two 4" glass fiber mid-range drivers
- One 1" fabric dome tweeter made from a single piece of fabric
- Comes complete with PBN's proprietary 24db-per-octave acoustical Linkwitz-Riley crossover slopes, plus twelve precision hand-wound inductors
- Four audio-grade metallized polypropylene capacitors, along with film and foil bypass capacitors in the critical high-frequency network

EPS-2 & EPS-2 SIGNATURE SPEAKERS



Upon its introduction, *Stereophile Magazine* put the original EPS on its recommended "A" list. The current generation, the EPS-2, takes the fidelity to an even higher level. One cannot help but notice the dynamic audio perfection of the fully symmetrical vertical array of matched drivers. Although this design technology is found in other PBN speakers, it is an unexpected audio pleasure to discover such deliciously balanced delivery in a modest-sized floor-standing speaker.

However, a "balanced array" configuration is only part of the story. It must be accommodated with a host of technological innovations, including film/foil by-pass crossover capacitors, scientifically designed internal chambers and a "spare nothing to achieve results" philosophy.

This is what separates PBN from the herd. However, in the end only one thing counts — RESULTS! That is what *Stereophile Magazine's* reviewers heard.

We advise that you don't overlook the physical beauty of the EPS-2. Its classic proportions and fine cabinetry are far superior to anything else available. The "Signature Series" offers a custom cabinet of exotic woods with a sensually sculptured vertical fascia and inlaid wood accents.

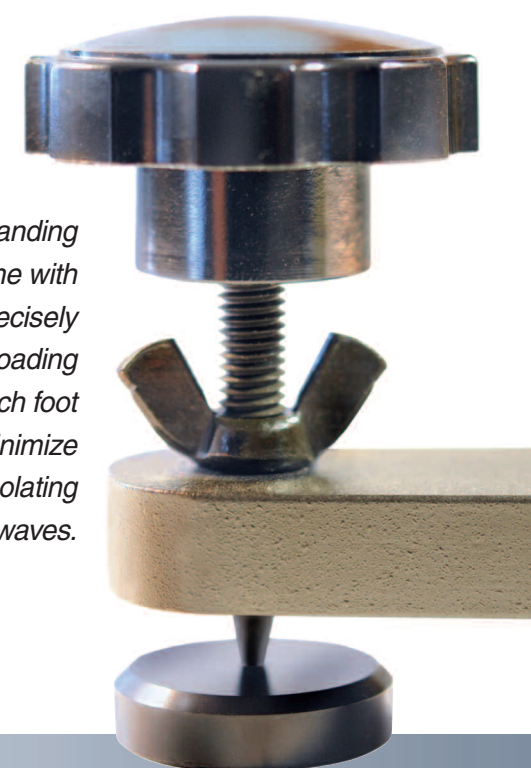
"There is no country in the world where machinery is so lovely as in America."

Oscar Wilde AUTHOR

TECHNICAL FEATURES

- Precision made 14"W x 15"D x 54"H cabinet of ultra-dense MDF Ranger Board™. Signature Series has 1.625" solid maple hardwood fascia with choice of inlay
- Matched pair of 8" mid-woofers, matched pair of 4" mid-range drivers and one 1" high efficiency, low distortion fabric tweeter
- Comes complete with PBN's proprietary 24db per octave acoustical Linkwitz-Riley crossover slopes, plus seven precision hand-wound inductors
- Four audio-grade metallized polypropylene capacitors, along with film and foil bypass capacitors in the critical high-frequency network

All of PBN's floor-standing speakers come with a full set of precisely machined, mass-loading adjustable feet. Each foot is designed to minimize energy transfer by isolating extraneous audio waves.



SPI SPEAKERS

No question about it. The SPi Speaker is the benchmark for compact floor-standing speakers. Certainly, there are a plethora of “floor-standers” available, but there is one head and shoulders above the rest. The SPi offers a dramatic sound stage with an extremely flat frequency response plus unrivaled versatility.

Considered “the universal speaker” by critics, the SPi fears no venue and no challenge. Whether it’s a small or medium-sized setting ... whether you’re listening to a serious philharmonic presentation, an intimate jazz trio, or whether you’re enjoying your home theater, the SPi Speaker delivers a lot of audio presence in a small package.

TECHNICAL FEATURES

- Super flat frequency response +/- 1db from 40Hz to 30kHz
- Features two 7” long throw woofers
- Comes complete with 24db per octave acoustical Linkwitz-Riley crossover slopes, plus six precision hand-wound inductors
- One 4” glass fiber mid-range driver. This is the same exclusive driver used in our higher-end EPS and XPS series speakers
- One 1” high efficiency, low distortion fabric dome tweeter
- Cabinet made of ultra-dense Ranger Board™ with specially engineered internal chambers and baffles. Cabinet can be custom painted and/or veneered in exotic woods of the customer’s choice

SSW SUBWOOFER

The ear does not deceive. The most detectable false notes are in the musical bass register. The only appropriate adjective to describe the SSW Subwoofer is “TRUTHFUL.” Within the world of audio, “truthful” is the accolade you strive for.

It literally means that the bass audio quality is precise and does not over-extend its visit. That is, it is not bloated and rubbery ... and all the bass notes are distinct and discernable. The beauty of the presence created by “truthful” bass is that it rounds out musical passages and gives the listening experience a life-like foundation.

Each handmade SSW Subwoofer is individually assembled and “broken in.” Every unit is critically tuned under rigorous criteria. Only the very finest components are employed ... from the high-quality 12” long-throw woofers to the custom cabinet and the .5 kilowatt internal amplifier. Experts have called the SSW the perfect subwoofer — and that’s because it is!



TECHNICAL FEATURES

- Dual extremely long-throw 12” woofers with fiber-reinforced pulp cones
- Accurately designed and engineered Ranger Board™ cabinet
- Choice of custom finishes in real wood veneer and/or piano lacquer finish
- Built-in .5kW class G internal amplifier



SPC-2 CENTER SPEAKER

TECHNICAL FEATURES

- *Superbly flat frequency response 40Hz to 30kHz +/- 1.5dB*
- *Features two 7" long throw woofers with coated pulp cones*
- *One 4" glass fiber mid-range driver. This is the same exclusive driver used in our higher-end EPS and XPS series speakers*
- *One 1" high efficiency, low distortion fabric dome tweeter*
- *Comes complete with 24db per octave acoustical Linkwitz-Riley crossover slopes, plus six precision hand-wound inductors*
- *Cabinet made of ultra-dense Ranger Board™, featuring specially engineered internal chambers and baffles*
- *Choice of fine real-wood veneers and/or piano lacquer finish*
- *Optional custom-made stand or wall mount bracket available*



PBN just can't do anything halfway. It would have been a rather routine task to create a center channel from existing technology and design modules at PBN. It would have sounded quite acceptable. But that wasn't good enough for Noerbaek.

He started from scratch, engineering every square inch of this remarkable speaker. The basic question was: What is a center channel supposed to do? It's different for home theater than it is for music. In home theater the center channel's primary duty is to reproduce the actor's natural voice as it moves to various positions on the screen. With music, the audio track should create the impression that the listener is sitting front row center, yet it shouldn't overpower the other speakers in the system.

It's no easy feat to do both well in an audiophile speaker. PBN has done it. The internal engineering, baffle design and speaker aiming are some of the extraordinary accomplishments of the SPC-2. Best of all, this one speaker can perfectly round out a two-channel system by giving it an audio dimension previously unknown to most serious music aficionados.

"The work of an individual still remains the spark that moves mankind ahead – even more than teamwork."

Igor Sikorsky DEVELOPER OF THE HELICOPTER

MONITOR and MINI-MONITOR SPEAKERS

Though they don't look like full-fledged floor-standing speakers, PBN's Monitor and Mini-Monitor can hold their own with the best of them. Both are a lot of audiophile speaker in a little box.

When serving up great musical pleasures the Monitor delivers an unexpected sense of presence. In total, it's one heck of an affordable speaker. The Monitor has really wowed reviewers. One wrote: "Here we go again! Another 'aha' experience. These loudspeakers from PBN are simply phenomenal ... not only because of the price. All I can say is BUY THEM!"

After listening to the Mini-Monitor's amazing performance, another reviewer couldn't resist taking it apart to see what made the speaker tick. His conclusion was quite simple: "It's superbly engineered!"

"PBN is always about engineering – first and foremost," says Peter Noerbaek. "Yes, we are meticulous about crafting our cabinets. But what good would the finest cabinet be if the audio quality didn't measure up? With PBN you always get both!"

We also advise that you not overlook the possibilities of either speaker becoming the rear speakers in a 5.1 surround sound system. They perfectly mate with the larger floor standing models in PBN's family of extraordinary speakers.

TECHNICAL FEATURES

MINI-MONITOR SPEAKER

- *One 5.25" coated pulp cone mid-woofer with extremely smooth frequency response and one 1" tweeter*
- *Internal custom-made crossover*
- *Optional custom-made stand available*

MONITOR SPEAKER

- *One 7" Vifa™ coated pulp cone mid-woofer with extremely smooth frequency response and one 1" Scan-Speak™ tweeter*
- *Internal custom-made crossover*
- *Choice of fine real-wood veneers or piano lacquer finish*
- *Optional custom-made stand available*



PERSONALIZING YOUR SPEAKERS

Let us create a personalized PBN speaker just for you. Start by choosing your model from our current array of speaker configurations.

Next, select the combination of exotic woods and designer colors to complement your décor. And, don't hesitate making a bold statement by selecting some unusual combinations of color and grain. We suggest you consult with us. Almost anything is possible, including special inlays, airbrushed effects and exotic automotive colors.

And, while you are considering all our custom visual enhancements, keep in mind that, size-for-speaker-size, PBN has built its reputation on producing the most superb audiophile performance available.

WE'VE KEPT THE "BLING" INSIDE. No matter how gorgeous our cabinets are, we've always maintained our primary obligation: To satisfy the lofty standards of the most finicky audiophile. It's what's inside that counts. But it doesn't hurt to have an exterior to match.

FROM DEEP IN THE WORLD'S MOST EXOTIC FORESTS to solid stands of burled American oak, we carefully use our allowable allotment of prized woods and veneers. Always conscious that we must be prudent, our duty is to make the most from every precious plank. In doing so, it is our duty to bring to the fore the full beauty of these majestic wood grains and luminous colorations. Our conscience compels us to make the most of nature's cherished woods.

EACH SURFACE IS AN ARTISTIC OPPORTUNITY. As artisans we think of the exterior of a speaker as a blank canvas waiting for our individual expression. If it isn't exotic grains, then it could be deftly blended layers of translucent pigments. Our job is to use these rather remarkable subtleties to their maximum, and create a dynamic work of tactile art to match the acoustical prowess of our speakers.

Just owning a pair of PBN speakers is a statement in itself. Now you can take it a step further with your own personalized set of PBN speakers.



JUST A SMALL SAMPLING OF THE MANY EXOTIC REAL-WOOD VENEERS AVAILABLE

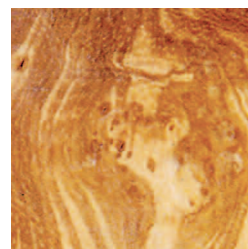
Bird's Eye Maple



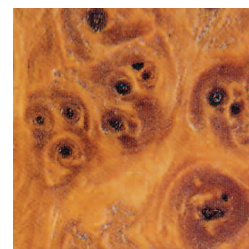
Rosewood



Olive Ash Burl



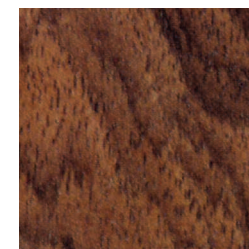
Yew Burl



Cherry



Walnut



Curly Maple



Zebrawood



WE OFFER A FULL SPECTRUM OF CUSTOM COLORS



“We live in a society exquisitely dependent on science and technology, in which hardly anyone knows anything about science and technology.”

Carl Sagan ASTRONOMER

“When you can’t find an amplifier good enough to support the speaker you painstakingly built, what do you do?” Peter Noerbaek asks and answers: “You build one yourself!” The one thing Noekbaek hates is to depend on an industry that you can’t always depend on.

“I don’t build speakers not to be played at their best performance level. Many years ago I designed a speaker to be played with the top amplifier in a brand that shall not be mentioned. Almost to the day I put the speaker out on the marketplace, the amplifier maker discontinued the line of products.”

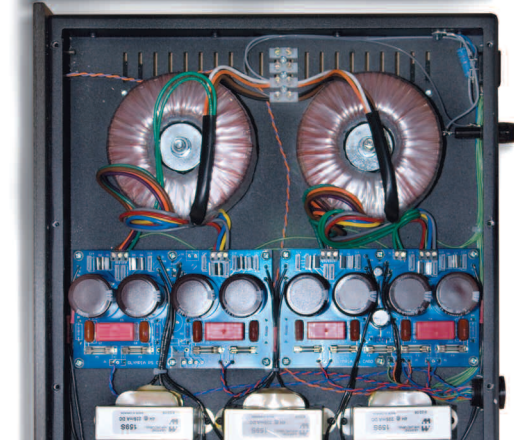
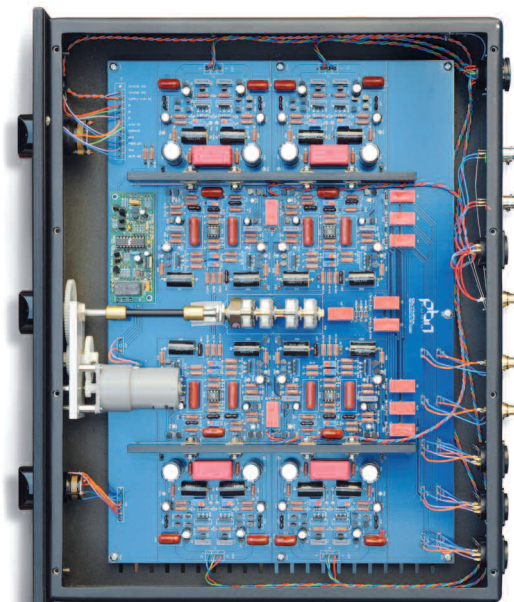
It was right then and there that Noerbaek decided he would make the components to support his speakers. Each is designed and developed with PBN’s typical “spare nothing” attitude to achieve the finest results possible. “I will match my components, diode to diode, transistor to transistor, with any competitive product,” Noerbaek states emphatically. “There *is* no comparison, because I over-build so my amplifiers don’t need to strain or stress to produce their acoustic best.”

Plus, if an amplifier can make the grade for PBN speakers, they can help any other speaker hit their dynamic best. “What’s good for the goose, will be great for the entire flock.”

AMPLIFIERS & PRE-AMPS



OLYMPIA-L PRE-AMPLIFIER & OLYMPIA-LX PRE-AMPLIFIER



The essential difference between these two pre-amplifiers is that the LX produces about the purest signal in the industry. To do so its power supply incorporates two heavy-duty transformers and eight filtering chokes – far and away a higher standard than most competitive products. We do this to feed the amplifier circuit the cleanest possible DC voltage. This ensures that you experience music in its purest form.

This is not to say the Olympia L, with only one transformer, produces an inferior sound. Compared to other manufacturers' high-end pre-amplifiers, the L more than holds its own in its support of PBN's family of ultra high-end speakers. Both pre-amps literally remove any hint of electronics between the music and the listener.

"Our pre-amps are built to drive the most demanding cable/amplifier loads," Noerbaek explains. "Without a pre-amp the audio dynamics will suffer. Just good enough is not good enough!" Quality audio is not so much about what you hear as it is about what you *don't* hear. This is when signal purity matters. Filtering out pesky shadow sounds that disturb the ears is what it's all about. Noerbaek concludes: "This is when a great pre-amp shines. The road to audio nirvana is not paved with shortcuts."

TECHNICAL FEATURES

OLYMPIA L PRE-AMPLIFIER

- All-FET circuit design with external MPS power supply (375VA transformer)
- Fully differential line stage pre-amplifier
- Employs Dale RN60-D Resistors
- Separate windings for each quadrant in amplifier.
- High-capacity energy storage — 80k uF with capacitance
- Three balanced inputs and two RCA inputs. Balanced, RCA and 75 Ohm BNC outputs for use with PBN's proprietary impedance-matched interconnect system
- Features targeted use of Caddock™ Resistors in the vital circuits
- Remote Control for volume and mute
- Pre-Amp: 19"W x 4.5"H x 15"D
Power Supply: 9.5"W x 4.5"H x 15"D

OLYMPIA LX PRE-AMPLIFIER

- All-FET circuit design with external CPS power supply (two 375VA transformers)
- High-capacity energy storage — 80k uF filter capacitance
- Eight heavy-duty filtering chocks for extremely precise and clean current supply
- Three balanced inputs and two RCA inputs. Balanced, RCA and 75 Ohm BNC output for use with PBN's proprietary impedance-matched interconnect system
- Unit features extensive use of Caddock™ Resistors
- Remote control for volume and mute included
- Pre-Amp: 19"W x 4.5"H x 15"D
Power Supply: 9.5"W x 4.5"H x 15"D



MINI-OLYMPIA AMPLIFIER

Ultra Audio's reviewer described the Mini-Olympia as delivering sound quality that is "... astonishingly vivid, full and gorgeous." The reviewer went on to say: "The Mini-Olympia is a small brute of an amp." He was referring to the fact that Noerbaek packed a lot of amp into a modest-sized, extremely versatile, two-channel amplifier. If you want to enjoy a deeper listening

pleasure, the PBN family of components is *the* one to use and the Mini-Olympia Amplifier is the component to start with. It delivers 160 watts of clean power into an eight Ohm load per channel, which almost doubles into four Ohms. *Ultra Audio's* reviewer ended his article by saying: "In terms of pure clarity, I've heard nothing better."

TECHNICAL FEATURES

- Two-Channel All-FET circuit design utilizing a 1500VA transformer
- 200,000 uF power supply capacitance
- 160 watts of clean power @ eight Ohm load per channel
- High-quality onboard regulators in voltage gain section
- Output stage features: eight pairs of closely matched output devices per channel
- Inputs: Balanced, RCA and 75 Ohm BNC. Outputs: two sets of WBT™ binding posts per channel
- Amplifier can be bridged into "Differential Mode" to supply close to 600 Watts into an eight Ohm load
- Requires a fully differential pre-amplifier if used as a mono-block
- High-quality 20 Amp power cord included
- Size: 19 W x 8.25" H x 15" D
- Weight: 80 pounds



OLYMPIA-EX BASS EXTENSION PRE-AMPLIFIER



Specifically designed as the outboard bass-extender/crossover pre-amplifier for the Master Reference and KAS-2 Loudspeaker Systems. Its principal function is to equalize and match the output of the subwoofers to that of the other drivers as the frequency drops. The EX is a low-noise/high-gain device with both extreme speed and accuracy to deliver the "punch" you need. It is designed to tailor low-frequency output to one's own personal taste – especially on anemic recordings. At the heart of this pre-amp is PBN's proprietary impedance-matched interconnect system. The EX is specifically designed to squeeze the last ounce of low-frequency information out of your recordings and soundtracks for your ultimate listening enjoyment. It provides the solid audio foundation you need.



TECHNICAL FEATURES

OLYMPIA-EX/KAS-2

- Two-channel All-FET circuit design with external MPS power supply utilizing a 200VA transformer
- 40,000 uF power supply capacitance
- High-quality onboard regulators
- Inputs: Two sets of RCA
- Outputs: RCA and 75 Ohm BNC
- Size: 19"W x 4.5"H x 15"D

OLYMPIA-EX/MR

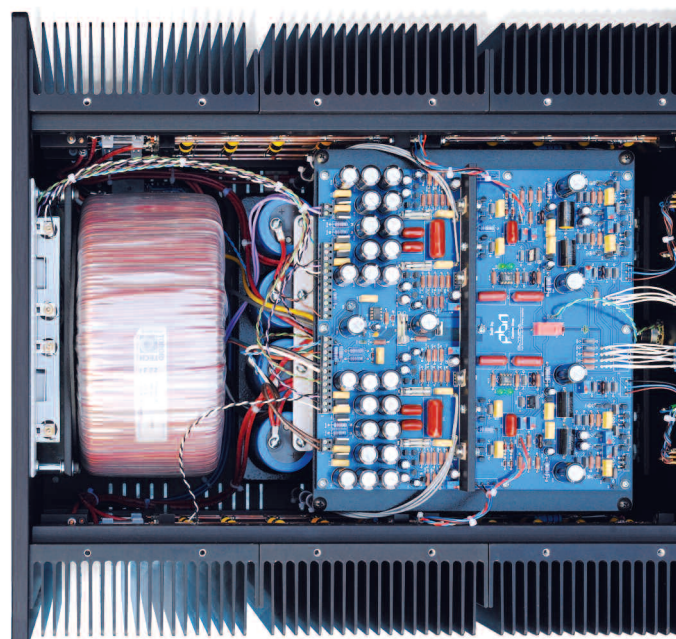
- Two-channel All-FET circuit design with fully differential output and external MPS power supply utilizing a 200VA transformer
- 40,000 uF power supply capacitance
- High-quality onboard regulators
- Inputs: Two sets of RCA
- Outputs: Balanced, RCA and 75 Ohm BNC
- Size: 19"W x 4.5"H x 15"D

OLYMPIA-AX AMPLIFIER & OLYMPIA-SWA MASTER REFERENCE SUBWOOFER AMPLIFIER

Driving the most demanding speakers is what these amplifiers are all about. They literally create the necessary punch that would be otherwise lacking. And when you lack punch on the lower end of the audio scale, you lack everything.

These fully balanced power amplifiers are both highly capable of reproducing delicate musical subtleties as well as robustly powerful passages with extraordinary presence. As an “über amplifier,” the Olympia-AX renders all other amplifiers obsolete by using audacious amounts of current to achieve an astonishing range of realism within the musical spectrum.

Capable of accommodating any loudspeaker load, this amplifier should be put to work in every high-end system requiring a powerhouse amplifier that takes no prisoners. It’s big. It’s bold and it will take on every behemoth speaker.



It’s a fact: The finest loudspeakers in the world cannot compensate for losses of an underpowered amplifier. Though the chassis of some amplifiers imply they have a lot of horsepower under the hood, all too often the eye suggests more than the electronics can deliver. This is not the case of the Olympia-SWA: the mother of all amplifiers! This mighty auditorium-grade mastodon delivers the brute force necessary to drive the Master Reference’s dual 18” subwoofers.

And that’s what it is specifically built to do. The SWA achieves it’s reason for existence with the ease you should expect from a linear Class A amplifier designed to out-perform everything else available. Best of all, it more than fulfills every promise the chassis suggests. With PBN you always get more than what you pay for. That’s not only our promise ... it’s our philosophy.



TECHNICAL FEATURES

- Two-Channel All-FET circuit design utilizing a 4,000VA transformer (The SWA has two 2,200VA transformers)
- 500k uF power supply capacitance
- 220 Watts of clean power @ eight Ohm load per channel
- High-quality onboard regulators in the voltage gain section
- Inputs: Balanced, RCA and 75 Ohm BNC
- Output stage features ten pairs of closely matched output devices per channel. Precision soldered to 8-gauge solid copper buss-bar. (SWA has 16 pairs of output devices per channel)
- Outputs: Two sets of WBT™ binding posts per channel
- Amplifier can be bridged into differential mode supplying close to 800 Watts into an eight Ohm load. It requires a fully differential pre-amp if used as a mono-block
- High-quality 20 amp power cord included
- Size: 19"W x 11.25"H x 24"D
- Weight: 180 pounds

*"If we don't improve our product,
somebody else will."*

John Deere INDUSTRIALIST



The revival of the LP vinyl record has inspired rethinking the traditional turntable. Through the many attempts, audiophile turntables either lack eye appeal or, if beautifully styled, fail the musical fidelity mark. The GrooveMaster represents a new paradigm in turntable design. At last a contemporary vinyl record player looks as good as the sound it delivers.

"There is some indefinably pleasing quality about vinyl that CDs can't quite measure up to," Noerbaek explains. "It's the warmth ... the faint tracking one hears ... and, above all, that extra timbre that lends depth to the audio."

After years of intensive R&D, Noerbaek was able to perfect all the attributes of his GrooveMaster. Its two-motor counter-balanced dual drive renders absolute 33.333rpm. Four belts are employed for maximum traction. The solid wood base is honed from three laminated layers of select hardwoods. Lastly, the legendary SME™ 312 twelve-inch audiophile tone arm is installed.

There is also a secret detail — the tone arm support. For this Noerbaek used a similar principle found exclusively in the world's finest violins. "The bridge that braces the strings is what gives million-dollar violins their astounding musical depth. I use equally rare woods for the tone arm support."

Nothing has been spared. Noerbaek explains it this way: "You simply can't take shortcuts if you truly want to deliver the finest audio quality. PBN is about doing it right, all the time...not just some of the time!"

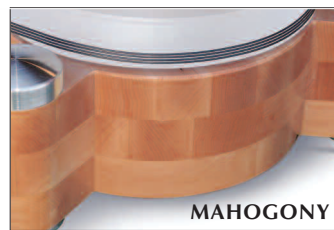


GROOVEMASTER

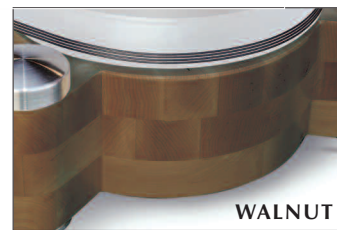
AVAILABLE IN SELECT HARDWOODS



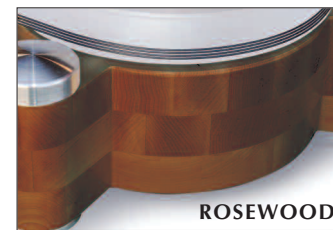
MAPLE



MAHOGONY



WALNUT



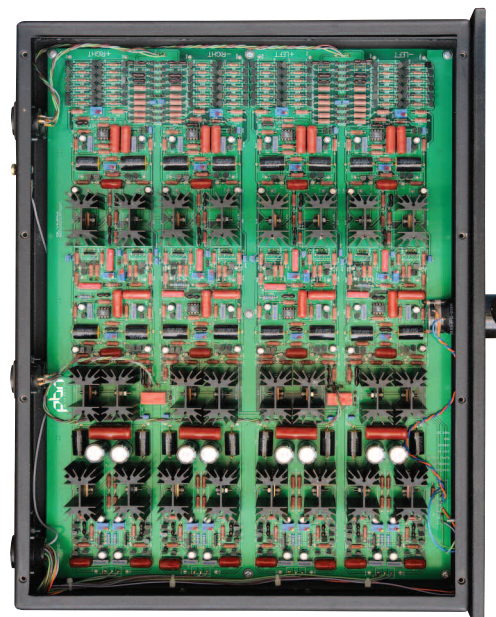
ROSEWOOD



TECHNICAL FEATURES

- Two-motor dual-drive counter-balanced system
- Precision-balanced 17 lb. stainless steel flywheel
- Solid stainless steel progressive-traction belt guide
- Belt guide accommodates four belts for superior performance
- Platter rotates at an absolute 33.333rpm
- Computer-controlled synchronized drive station to eliminate any variability and assure absolute frequency stability
- Wood base is honed from three laminated layers of select planks of kiln-dried maple, walnut, rosewood or other fine hardwoods
- Stainless steel accents and precise three-point risers in protective coasters
- Platter is precisely honed from a solid block of high-grade iridescent or translucent acrylic
- Turntable is supplied with the legendary SME™ 312 twelve-inch Precision Transcription Arm fitted with a subsonic lateral-mode fluid damper that can be instantly adjusted
- Precision-machined hardwood arm support can be likened to an exquisite violin bridge. The near-perfect tonal quality is the direct result of the superior material that is used.
- Cartridge is extra and at customer's request

OLYMPIA-P PHONO PRE-AMPLIFIER & OLYMPIA-PX PHONO PRE-AMPLIFIER



For aficionados of vinyl recordings, the challenge has always been to glean from each recording every nuance buried within the grooves. This not only includes the obvious audio detail, but also the warmth and realism they are noted to possess.

Incorporating the GroveMaster Turntable in your audio system should be the starting point. The next step is to employ our dedicated phono pre-amplifier and power supply. Together this unique suite of components will shape and hone the faint signal emitted by your pickup into a fully-blossomed current filled with all the delicious bluster and tonal nuances you expect.

Working in unison with your cartridge, the Olympia-P or PX will convert the delicate low-output signals into the natural sounding acoustics that lay hidden within your recording.

Some would consider both of these pre-amplifiers over-built. Their power supplies alone are larger than those of most amplifiers. These amps allow you to optimize the low noise, accuracy and high gain required for achieving the absolute best dynamic range.

The Olympia-P and PX were designed because they are the right components for the job. PBN is always about doing it right, every step of the way. If you are incorporating vinyl recordings into your audio pleasure, then do it right. Use the GroveMaster and the components that will enrich the signal. We make them all ... and we make them right!



TECHNICAL FEATURES

OLYMPIA-P PRE-AMPLIFIER

- Fully differential All-FET circuit design. The Olympia-P is complete with MPS power supply featuring a 375VA transformer and 80,000 uF power supply capacitance
- Six resistive settings for moving-coil cartridge loading
- Four capacitive settings for moving-magnet load optimization
- Olympia-P features targeted use of Caddock™ Resistors
- Super low-noise onboard voltage regulators
- RIAA accuracy better than +/- .5 percent
- MM gain 60dB, MC gain 70dB
- Pre-amp: 19"W x 4.5"H x 15"D
Power Supply: 9.5"W x 4.5"H x 15"D

OLYMPIA-PX PRE-AMPLIFIER

- Fully differential All-FET circuit design. The Olympia-PX is complete with a CPS/P power supply featuring two 375VA transformers, eight filtering chocks and 80,000 uF power supply capacitance
- Six resistive settings for moving-coil cartridge loading
- Four capacitive settings for moving-magnet load optimization
- Olympia-PX features extensive use of Caddock™ Resistors
- Super low-noise onboard voltage regulators
- RIAA accuracy better than +/- .5 percent
- MM gain 60dB, MC gain 70dB
- Pre-Amp: 19"W x 4.5"H x 15"D
Power Supply: 9.5"W x 4.5"H x 15"D