



PHASE
TECHNOLOGY

*The Value of
Handcrafted Quality*

Phase Technology Builds On Four Decades of Innovation

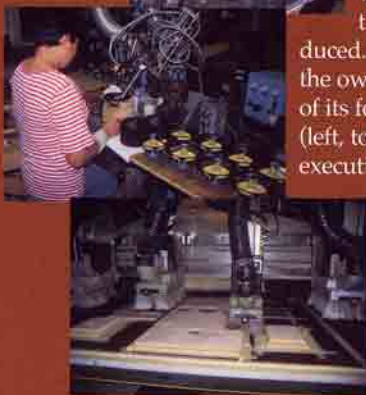


With a heritage of more than four decades of loudspeaker design and engineering innovation, Phase Technology Corporation today occupies a special niche in the intensely competitive home-audio industry.

It is one of the few fully vertically integrated speaker manufacturers in America — and one that's still guided by its original founder.

Phase Technology is a subsidiary of United Speaker Systems, Inc., which was founded in 1955, the year before stereo was introduced. The company remains under the ownership and creative leadership of its founding family, with Bill Hecht (left, top photo) as chairman and chief executive and Ken Hecht (center) as president.

The Hechts established Phase Technology in 1981 as a way to apply their considerable talents and love for all things audio to their own brand. They were inspired by their success with building critical-



ly acclaimed high-fidelity speakers and speaker systems for some of the world's most respected audio companies.

The company produces virtually all of its own sub-assemblies — including constructing drivers and crossovers as well as winding voice coils — and also builds its own wood speaker cabinets. All Phase Technology speakers are constructed at the company's ISO 9001-certified, 60,000-square-foot Jacksonville, Florida headquarters facility.

Patented Technology

Phase Technology speakers incorporate many of the Hechts' innovations, including technologies for which they hold five patents. This fine record of accomplishment is headed by the soft-dome tweeter, invented and patented by Bill Hecht and now an industry standard.

Other patents cover the self-damping woofer voice coil, the manufacturing process for flat-piston midrange drivers and woofers, and silicone-injected drivers for resonance damping. The company also developed the Absolute Phase™ crossovers and Unicell™ Anti-Diffraction treatment that reduces acoustic reflections off speaker cabinet and grille surfaces.

The Fifth Decade

Phase Technology continues to expand today as an innovative designer of home-theater and audiophile speakers. The company successfully transferred its talents to installed, in-wall speakers when its Custom Installation Series became one of the pioneers of that dynamic home-entertainment marketplace.

As the company enters its fifth decade of audio excellence, it is not only keeping march with the times, but leading the parade as well. This is underscored by the fact that Phase Technology's home-entertainment speakers have been honored with "Innovations" Design & Engineering Awards. This recognition program is operated by the International Consumer Electronics Shows in cooperation with the Industrial Designers Society of America.

Vapor-Deposited Titanium Drivers Highlight New Styling, Performance For Teatro Series

Confirming its status as one of the most progressive designers of home-entertainment speakers, Phase Technology created the new Teatro Series of speakers highlighted by Vapor-Deposited Titanium (VDT™) drivers in handsome Natural Cherry and Black Ash cabinets with a new, highly stylized profile.

The new models initiate exciting new design and performance themes for the Teatro Series of mid-priced home-theater speakers and speaker systems for movies, music and more. The line includes a selection of main, center-channel and rear surround speakers.



Titanium Driver

The technological signature of the entire Teatro Series is the innovative VDT. It features a sophisticated composite construction with Titanium deposition on an injection-molded polypropylene base. This composite offers outstanding rigidity in an ultra-light-weight material for smooth, extended frequency response. The butyl rubber surround adds high internal damping for freedom from unwanted resonances.

All Teatro models also feature a soft-dome tweeter, the often-duplicated industry standard invented and patented by Phase Technology.

Absolute Phase Crossovers

One of the notable hallmarks of Phase Technology Teatro Series speakers is the use of Absolute Phase™ crossovers, an innovative technology used in the design of all of the company's speakers.

These crossovers ensure that the drivers are acoustically and electronically "in phase." This is especially apparent when a sound effect moves from left-to-center-to right or vice versa. The transition is heard as a smooth flow from one speaker to the next, creating a large, well-defined soundstage with precise imaging and increased depth of field.

This enables every listener to hear every musical note and soundtrack passage clearly regardless of seating position. It allows any Phase Technology speaker to be positioned vertically or horizontally, and all models can be mixed for main, center and rear applications. The result is a seamless, wide soundstage throughout your home theater.

Vertical-axis dispersion is also maintained no matter where the speakers are positioned. This is especially noteworthy for center-channel speakers placed horizontally, enabling listeners to be off-axis, on either side of center, and hear clear, intelligible dialogue.

Introducing the New Teatro Series

In a word that recalls the great entertainment stages around the world — teatro means theater in the Romance Languages — the new Teatro Series from Phase Technology extends your home-entertainment options in exciting new ways.

This outstanding speaker family is highlighted by an innovative new Vapor-Deposited Titanium (VDT) driver for lightweight rigidity enabling highly accurate sound reproduction. The Teatro Series sports a highly stylized new tapered design offered in handsome Natural Cherry or Black Ash laminate.

With a wide selection of affordable components, from main speakers to surround and center-channel models, assemble the system that meets any need — and expand it over time, as well. From a two-channel stereo presentation to the thundering presence of a full multi-channel digital theater system, the choices are yours with the Teatro Series.

Whether upgrading an existing system or investing in a totally new home theater, audition the new Teatro Series and experience "The Value of Handcrafted Quality." For movies, music and more, this is a system that will solve your home-entertainment options now and in the future.



Teatro 7.5 Floor-Standing Main Speakers

The Teatro 7.5 tower speaker continues the Teatro Series' appealing new design in handsome Natural Cherry or Black Ash laminate. It's a worthy successor to Phase Technology's acclaimed Teatro 7T speaker. Styling cues include a tapered front surface and a dramatic three-foot-high cabinet with a black, oval-shaped fabric grille. This "floating" grille covers the speaker array that's at the top of the cabinet for ear-level alignment of the drivers. Sculpted removable feet with optional screw-in floor spikes also are included.



Teatro 4.5 Bookshelf Speakers

The new Teatro 4.5 speakers present a full-bodied sound that defies their diminutive size. They are the ideal choice for a full-range, high-performance two-channel or multi-channel system. And with their vapor-deposited Titanium drivers acoustically matched to the entire Teatro Series, they serve as excellent rear-channel choices for every Teatro system.



Teatro 6.5 Multi-Purpose Speakers

The Teatro 6.5 is the elegant, all-purpose component of the Teatro family. Its multi-talented designation indicates it's ideal as a complete five-speaker multi-channel system, serving as the front, center and rear speakers. Or select a 6.5 for the center channel (placed horizontally) in a system anchored by the Teatro Tower 11.5, Teatro 7.5 or Teatro 4.5. Featuring the signature VDT drivers that are the hallmark of the new Teatro Series, the new 6.5 model is sized just right for bookshelf or speaker-stand display.



Teatro Surround Rear-Channel Speakers

The newest member of the Teatro family offers a contemporary rounded, semi-circular shape in textured white or black finishes to complement every decor. They are only 11" wide, enabling easy and unobtrusive placement on walls or speaker stands as the rear-channel "effects" speakers.

The Teatro Surrounds add the finishing touch to every Teatro Speaker System.

Their wide-range performance is enabled with a 5 1/4" VDT driver with butyl rubber surround. Two 1" soft-dome tweeters are mounted in bipolar opposition for outstanding reproduction of the rear effects channels from any multi-channel source, including music, movies and more.



Teatro Tower 11.5 Floor-Standing Main Speakers With Integrated Powered Subwoofers

The Teatro Tower 11.5 is the premier Teatro speaker with built-in powered subwoofers. They feature the highly stylized design theme, outstanding performance and acoustically matched drivers that highlight the new Teatro Series.

These speakers serve as the high-performance foundation for any home entertainment system. They reproduce the full dynamic range of today's multi-channel audio technologies, like Dolby Digital and DTS, as well as traditional two-channel sources.

The slim, small-footprint models feature a left- or right-firing 10" subwoofer, and the speakers are magnetically shielded to enable placement close to the video source. Its built-in discrete amplifier is servo-controlled with auto power-on and includes phase and level controls, offering the equivalent of a separate, high-powered subwoofer.



Teatro ATS Indoor/Outdoor Speakers

The new Teatro ATS ("All-Terrain Speakers") serves the growing trend of integrating home theater audio systems into every home-entertainment environment. This includes indoors and outdoors as well as in bedrooms, dens, kitchens, home offices, and virtually any other location.

The speakers are dubbed "all terrain" to signify the versatility of their placement options, styling and performance. Five of these speakers with a Power 8 subwoofer presents an ideal home theater system.

This compact high-performance speaker incorporates UV-resistant molded cabinets in black or white. They are video shielded to enable location near any video or computer monitor and feature a multi-directional, adjustable swivel mount.

The ATS-1 is mounted in a sealed enclosure making it water resistant for outdoor use and thus ideal for use on patios and near pools and spas.

SPECIFICATIONS:	TEATRO ATS-1	TEATRO 4.5	TEATRO 6.5	TEATRO 7.5	TEATRO 11.5	TEATRO SURROUND
Tweeter	1" Soft Dome	1" Soft Dome	1" Soft Dome	1" Soft Dome	1" Soft Dome	Two 1" Soft Domes
Woofers/Midrange	4" Polypropylene Driver with Butyl Rubber Surround	5 1/4" Vapor-Deposited Titanium Driver with Butyl Rubber Surround	5 1/4" Vapor-Deposited Titanium Driver with Butyl Rubber Surround plus 5 1/4" VDT Bass Radiator	7" Vapor-Deposited Titanium Driver with Butyl Rubber Surround	5 1/4" Vapor-Deposited Titanium Driver with Butyl Rubber Surround	5 1/4" Vapor-Deposited Titanium Driver with Butyl Rubber Surround
Subwoofer	--	--	--	--	10" Polypropylene Cone Driven by Built-In 75-Watt Servo-Controlled Discrete-Output Amplifier	--
Frequency Response	80-20,000 Hz (± 3 dB)	58-20,000 Hz (± 3 dB)	56-20,000 Hz (± 3 dB)	38-20,000 Hz (± 3 dB)	28-20,000 Hz (± 3 dB)	80-20,000 Hz (± 3 dB)
Recommended Amplifier Power	10w-100w	15w-100w	15w-120w	15w-150w	15w-250w	15w-120w
Sensitivity	90 dB	89 dB	90 dB	90 dB	91 dB	91 dB
Impedance	4 Ohms Nom.	8 Ohms Nom.	8 Ohms Nom.	8 Ohms Nom.	8 Ohms Nom.	8 Ohms Nom.
Dimensions	9 1/2" H x 6" W x 6 3/4" D (including base)	11 1/2" H x 6" W (Flaring To 7") x 8 1/4" D	18" H x 6" W (Flaring To 7") x 8 1/4" D	36 1/2" H x 8 1/2" W (Flaring To 9 1/2") x 11 3/4" D	40 1/2" H x 6 1/2" W (Flaring To 7 1/2") x 16 1/2" D	9 1/2" H x 11" W x 5" D
Shipping Weight	5 1/2 lbs./each	24 lbs./pair	18 lbs./each	44 lbs./each	60 lbs./each	20 lbs./pair

Powered Subwoofers Add Punch to Any System

Powered stand-alone subwoofers deliver the deep, floor-shaking bass that brings added realism and unparalleled impact to movie soundtracks and music. Adding one of these subwoofers is the single most important upgrade to any home-theater speaker system.

Complete with their own built-in amplifiers, these subwoofers eliminate the need for an extra power amplifier. Each model in the series can create the added dimension and explosive sonic effects that only true deep bass can deliver.

All of these models feature auto-on circuitry to activate the subwoofer's amplifier when a program source is detected and automatically deactivates the sub when you are finished listening.

Variable crossover points and a phase switch enable any model to match precisely and seamlessly with any speaker system in the Phase Technology Teatro Series.



**Power 8
Compact
Subwoofer**

SPECIFICATIONS:	POWER 8	POWER 10	POWER 12
Amp Power	100-Watt Internal Servo Amp with Auto-On and Level Controls	125-Watt Internal Servo Amp with Auto-On and Level Controls	125-Watt Internal Servo Amp with Auto-On and Level Controls
Woofers	8" High-Density Mica/Graphite/Polypropylene Cone with Butyl Rubber Surround	10" High-Density Mica/Graphite/Polypropylene Cone with Butyl Rubber Surround	12" High-Density Mica/Graphite/Polypropylene Cone with Butyl Rubber Surround
Phase Switch	0°/180° User Adjustable	0°/180° User Adjustable	0°/180° User Adjustable
Crossover Slope	24 dB/Octave Variable Low Pass	24 dB/Octave Variable Low Pass	24 dB/Octave Variable Low Pass
Frequency Response	38-180 Hz Adjustable	35-180 Hz Adjustable	28-180 Hz Adjustable
Inputs/Outputs	High/Low Level	High/Low Level	High/Low Level
Dimensions	13" H x 11 1/2" W x 16" D	15 3/4" H x 14 1/2" W x 16" D	19" H x 16 1/2" W x 17 1/2" D
Shipping Weight	30 lbs.	35 lbs.	52 lbs.

Teatro Speaker Systems

Together in a unified, acoustically matched set is the way that most home entertainment enthusiasts should experience the new Teatro Series. Teatro speaker systems are balanced to meet the specifications for the newest multi-channel technologies. Your ears will agree they belong together — and they belong in your home-entertainment center!

SYSTEM	FRONT SPEAKERS	CENTER SPEAKER	REAR SPEAKERS	SUBWOOFER
Teatro 4.5 System	Teatro 4.5	Teatro 6.5	Teatro 4.5	Power 8
Teatro 6.5 System	Teatro 6.5	Teatro 6.5	Teatro 6.5	Power 10
Teatro 7.5 System	Teatro 7.5	Teatro 6.5	Teatro Surround	Power 12
Teatro 11.5 System	Teatro Tower 11.5	Teatro 6.5	Teatro Surround	--
Teatro ATS-1 System	ATS-1	ATS-1	ATS-1	Power 8

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