

AERIAL  
ACOUSTICS

MODEL 10T





THE EXCEPTIONAL ABILITY OF THE MODEL 10T surpasses the competence of conventional systems through its exacting design and the high quality of its enclosures, networks, and drivers.

DESIGN

Independently optimized enclosures provide outstanding performance difficult to achieve in single cabinet systems. Cast from high density Novalith™ Acoustical Composite, the optimally shaped 30 pound head of the Model 10T is virtually inert. The substantial vented bass enclosure has sturdy 1 and 2 inch walls reinforced with extensive bracing.

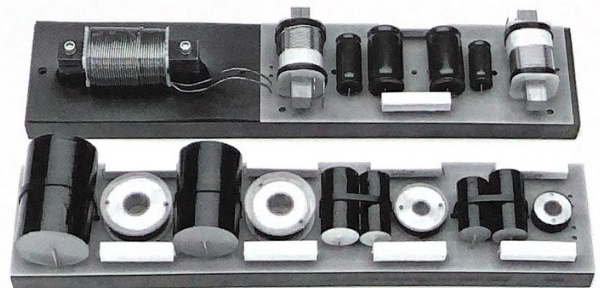
Two Kevlar™ cones laminated and damped with epoxy form the stiff midrange diaphragm. The woofer cone is an extremely rigid, damped bilaminate composite. Both drivers have cast magnesium frames, large vented magnets, and long travels. The titanium dome tweeter is damped with a large rear chamber. The result is that each driver remains linear well beyond its range of use and has extremely low distortion.

Seamless amplitude and phase integration is provided by precision networks using 25 high-quality components including polypropylene capacitors and low-oxygen copper air-core coils. High current nickel-steel cores are used in the bass. Separate glass-epoxy boards are employed for the bass and midrange/treble sections. Special 99.997% pure copper wire and silver solder are used throughout.

System performance is exceptionally accurate and natural with excellent transparency, detail, dynamics, and spatial presentation. Low bass has outstanding authority, control, and extension. Upper bass is well defined and articulate. Midrange is extremely clear, smooth, and beautifully detailed. Treble is delicate and open, without edge or emphasis.

PERFORMANCE

Excellent coherence, three-dimensional imaging, and transient accuracy are provided by the wide dispersion, low diffraction, phase accuracy, and extremely low stored energy of the system. The result is a musical experience that is truly captivating.



# A E R I A L

ACOUSTICS

## MODEL 10T PERFORMANCE SPECIFICATIONS

Frequency Response	28 Hz to 20 kHz $\pm 2$ dB, -6 dB at 23 Hz		
Dispersion	30 Hz to 15 kHz +0 -3 dB from axial response 45 degree horizontal measurement window		
Sensitivity	86 dB for 2.83 volts at 1 meter on axis		
Impedance	4 ohms, 3 ohms minimum, low reactance		
Power Requirements	50 watts minimum, >100 recommended		
Woofer	Rigid bilaminate composite cone Massive vented magnet structure with 2" coil 10.7" (271 mm) cast magnesium frame		
Midrange	Dual Kevlar™ cones laminated with epoxy Large vented magnet structure 5.3" (136 mm) cast magnesium frame		
Tweeter	Precision titanium dome with linear suspension Large magnet structure with deep rear chamber Flared pole vent with 5 surrounding vents		
Crossover	Fourth order acoustic Linkwitz-Riley 360 Hz and 2700 Hz crossover frequencies 2 separated networks. Biwirable & biampable		
Head	Novalith™ Acoustically Inert Cast Composite 1" to 2" thick one-piece high-density casting Natural wool damping		
Bass Cabinet	1" and 2" MDF walls interlocked with braces Tongue and groove joints. 21Hz flared rear vent Solid wood radiused edges. Architectural veneers		
Finishes	Black satin paint over walnut veneer Rosewood-stained walnut with polished lacquer Blond tiger maple with polished lacquer		
Included Accessories	Adjustable 3/8-16 hardened steel spikes		
Optional Accessories	Rigid sand-filled floor stand with adjustable spikes Twin-wheel caster set		
Dimensions Inches (mm)	Height	Width	Depth
	41.50 (1054)	13.75 (349)	19.00 (483)
Weights Pounds (kg)	Unpacked	Packed	Packing
Bass Cabinet	80 lb (36 kg)	105 lb (48 kg)	1/Carton
Cast Head	30 lb (14 kg)	35 lb (16 kg)	2/Carton
Stand	35 lb (16 kg)	40 lb (18 kg)	1/Carton

Specifications are subject to change for improvement.

