Model FOURTEEN

ALTEC LANSING®



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model fourteen

At Altec Lansing we've been building quality loudspeaker systems for over forty years. And during that time we've introduced quite a number of new speaker design techniques to the audio industry. Design techniques that often defied the conventional wisdom of the day yet worked so well that many became industry standards.

Today Altec Lansing is still building unconventional speakers. The latest example of this design philosophy—the new Model 14.

Put very simply, the Model 14 is a totally unique speaker that we believe has a higher level of performance than anything now on the market. Performance that was only achievable with the development of a whole new family of speaker components.

Components like our new MANTARAY™ constant directivity horn.

Until now all speaker designs have been plagued with a common problem—"beaming" or narrowing of dispersion at higher frequencies. The MANTARAY's design, on the other hand, produces sound in a continuous wedge of energy without regard to frequency. Beaming is essentially eliminated. Because of this the 14's stereo image keeps its strength and clearly-defined shape whether you sit in the traditional equadistant listening position or off to the side. The "listening sweet spot" therefore is much larger than with conventional speaker designs.

Complementing the 14's consistent dispersion is a highly-efficient compression driver that features our innovative Tangerine™ radial phase plug. Designed to virtually eliminate the problem of high-frequency loss found in conventional phase plugs, the new plug delivers smooth response to beyond 20kHz. In combination with the MANTARAY, the Tangerine represents the "state-of-the-art" in high-frequency reproduction and control.

For added versatility the Model 14 is equipped with a dual-band equalizer that allows separate adjustment of the mid and high frequencies. The result is a system that combines the best qualities of both two and three-way speaker systems.

Also incorporated in the 14 is our new Automatic Power Control. This power overload protection device literally keeps track of the power delivered to the system and corrects overloads automatically. Whenever input power exceeds safe limits, a warning light goes on and the power is automatically reduced. And unlike a fuse or circuit breaker, speaker operation is uninterrupted even when the protection circuit is energized.

Automatic Power Control. Quite simply the best speaker protection device to date—and it's only available from Altec Lansing.

Surrounding the acoustic components and electronics is an optimally-tuned, vented enclosure that delivers a perfect balance of low-frequency response and extremely-high sensitivity. In fact, the 14 is so efficient that it can deliver 95 dB SPL at four feet with only 1 watt of input power. The 14 can also handle more power than any other high fidelity speaker that we currently make. And since it takes so little power to drive the 14, the extra power capacity is available to handle musical peaks effortlessly.

By now you may have come to the conclusion that a speaker with the performance and features of the 14 must cost a small fortune. It doesn't. In fact when you consider the additional features like a real-walnut veneer finish (even on the back), a 12-inch bass driver with die-cast aluminum frame and Altec Lansing's full five-year warranty, we think that you'll agree that the Model 14 just may be the best speaker value on the market today.

SPECIFICATIONS	MODEL 14
SPEAKER COMPONENTS– **LOW FREQUENCY:** **HIGH FREQUENCY:**	12" Bass driver Radial phase plug* Compression driver mounted to MANTARAY™ constant directivity horn **
NOMINAL IMPEDANCE:	8 ohms
CROSSOVER FREQUENCY:	1500 Hz
ENCLOSURE TYPE:	Vented
SENSITIVITY: Measured at 4 feet, 1 watt input, using pink noise which has been limited to a bandwidth of 500 Hz to 3 kHz.	95 dB SPL(1)
FREQUENCY RESPONSE:	35 Hz to 20 kHz
DYNAMIC RANGE:	44 dB minimum crest factor above 70 dB SPL
DISPERSION: Measured with pink noise limited to a bandwidth of 800 Hz to 8 kHz at a distance of 4 feet.	90° at −6 dB Horizontal 40° at −6 dB Vertical, Tilted to 30° up, 10° down
LONG TERM BROAD BAND MAXIMUM POWER: Measured with a source of pink noise limited to the frequency response bandwidth of the system, over an extended time period.	75 watts unprotected, 200 watts with Automatic Power Control ** (included)
OPERATIONAL POWER RANGE: Recommended for use with amplifiers between these levels.	10 watts to 350 watts
LONG TERM MAXIMUM ACOUSTIC OUTPUT: Measured at a distance of 4 feet with a source of pink noise limited to the frequency response bandwidth of the system.	114 db SPL
FINISH:	Hand-rubbed, oiled walnut
GRILLE:	Acoustically-transparent black knit fabric mounted to removable frames
DIMENSIONS:	30"H x 21"W x 16½"D (with grille)
SHIPPING WEIGHT:	95 lbs (43.1 Kg)
NET WEIGHT:	77 lbs (34.9 Kg)

(1) Measured with shelving controls set at optimum.
*Reg. U.S. Patent No. 4,050,541; Foreign patents pending.
**U.S. and foreign patents pending.

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