

Not too long ago, high fidelity components were of interest only to a special breed of enthusiast — the audiophile, devotee to acoustic experimentation and the technical wonders of sound reproduction.

Today, thanks to the audiophile's zeal, audio componentry has attracted the attention of a different kind of enthusiast — the pure music lover. His interest is less in the technicalities of good sound reproduction, more in the increased enjoyment he gets from his music when it's well reproduced.

For the pure music lover, the information in this catalog and some comparative listening will generally be all that's needed to select sound equipment that will fully satisfy his personal listening preferences. For the audiophile, however, additional technical data may be required before his decision can be made.

At Altec, we've assembled a staff of knowledgeable audio experts for just that reason. They call themselves the Audio Information Group, and their only function is to use their years of experience in sound to add to your years of sound experience.

Should you have any questions on Altec products, please feel free to call or write to our Audio Information Group. We assure you that your inquiry will be answered promptly and as completely as possible.

ALTEC

The Sound of Experience

1515 S. Manchester / Anaheim, Calif. 92803
(714) 774-2900

DIVISION OF ALTEC CORPORATION

Professional sound requirements are demanding and critical. Theatres, auditoriums, arenas, stadiums, rock concerts — places where thousands of people depend upon good sound to add to their enjoyment. And places like the recording studio, where only one man's supersensitive ear must be satisfied — the professional recording engineer.

Altec has been meeting these critical demands for more than three decades. We've done it by consistently providing sound products designed without compromise. Products that have always been skillfully crafted to achieve the specific end result required — and then some. That's why more people have heard the sound of Altec in professional installations throughout the world. That's why the great majority of audio professionals have chosen the sound of Altec year after year. And still do.

The Altec home entertainment products in this catalog have been designed by the same guiding principle. Each loudspeaker, each piece of electronics shown has been created to achieve the best possible end result for the discriminating listener. That end result is rich, pure, satisfying home reproduction of today's dynamically recorded music.

Before you make your final selection, compare Altec quality, Altec craftsmanship and Altec performance with any other home music equipment available. Listen to the end result of 35 years of Altec sound involvement. And listen carefully.

The difference you'll hear is the sound of experience.

Altec Floor Standing Loudspeaker Systems

The sound of experience wrapped in the look of luxury.

A. The 873A Barcelona - A high fidelity tour de force. Powerfully deep bass response, pleasingly smooth mid-range and precise high frequency delineation from Altec's massive 15" 411-8A Dynamic Force low frequency speaker and famous "Voice of the Theatre" 500 Hz high frequency system. Hand-rubbed walnut and handsome fretwork blend gracefully with room decor rather than overpower it. Available with the optional 770A Electronic Crossover/Biampifier installed. **(Model 2873A)** 29 1/2" x 38 1/2" x 25" deep.

B. The 878B Santiago - Crowned with inset composition slate and softly accented by a contoured grille, the Santiago proves that contemporary styling can still be classically elegant. Inside its oiled walnut cabinet, the 15" 411 Dynamic Force low frequency speaker and 800 Hz "Voice of the Theatre" high frequency system lets you hear your music as it was first heard in the recording studio. Available with the optional 770A Electronic Crossover/Biampifier installed. **(Model 2878B)** 30 1/2" x 26 1/2" x 19 1/2" deep.

C. The 846B Valencia - The Valencia's dramatic reticulated foam grille demonstrates the esthetic flexibility and acoustic transparency of this contemporary material to perfection. Enclosed in premium hand-finished oiled walnut, the renowned A7-8 "Voice of the Theatre" components - a high efficiency sound system long considered the industry standard. Unequalled for incisive, definitive reproduction. Also available in unfinished birch. **(Model 846U)** 29 1/2" x 26 1/2" x 20 1/4" deep.

D. The 879A Santana - Black composition slate top. Richly textured fabric grille. Warm hand-finished walnut all the way around - even on the back. Hidden connectors. Add it all up, and you've got a speaker system that's as functional as it is attractive . . . a speaker system that can be set anywhere without exposing a single unfinished surface. Altec's patented 15" Biflex speaker and a high frequency direct radiator reproduce music with all the dynamics and definition that today's fine recordings deserve. 24 1/2" x 20" x 17" deep.

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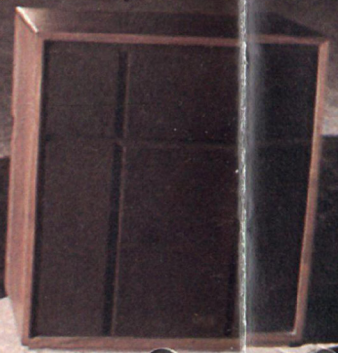
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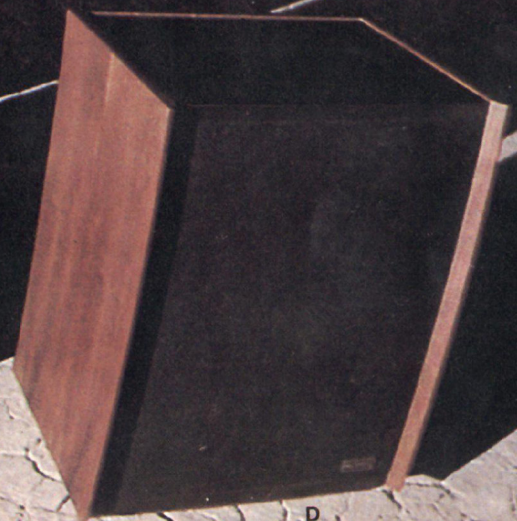


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Altec Compact Loudspeaker Systems

The sound of experience in contemporary dimensions.

A. The 874A Segovia - Here's professional performance scaled to meet the needs of today's life style. Select oiled walnut and latticed fretwork conceal the powerful Altec 12" Dynamic Force low frequency speaker, 4" midrange direct radiator, a precision engineered dome high frequency reproducer, and matched dividing networks - a skillful combination of Altec technology that delivers astoundingly big sound. Smooth and accurate from below to above the limits of audibility, the Segovia demonstrates state-of-the-art loudspeaker design with vivid clarity.

25 1/2" x 14 1/2" x 11 1/8" deep.

B. The 891A Bookshelf - An exciting new addition to the Altec quality line of compact loudspeaker systems. Its hand-rubbed oiled walnut enclosure is enhanced by a sculptured grille of ribbed reticulated foam, imparting the distinctive geometry of contemporary design with stylish subtlety. An advanced Dynamic Force low frequency speaker, specifically engineered for this system, recreates the deepest bass notes with ease. A matched dividing network and an extremely efficient high frequency direct radiator assure clean, uncolored performance through the vital midrange region and superb high frequency definition. Also available in walnut-grained vinyl. (Model 891V)

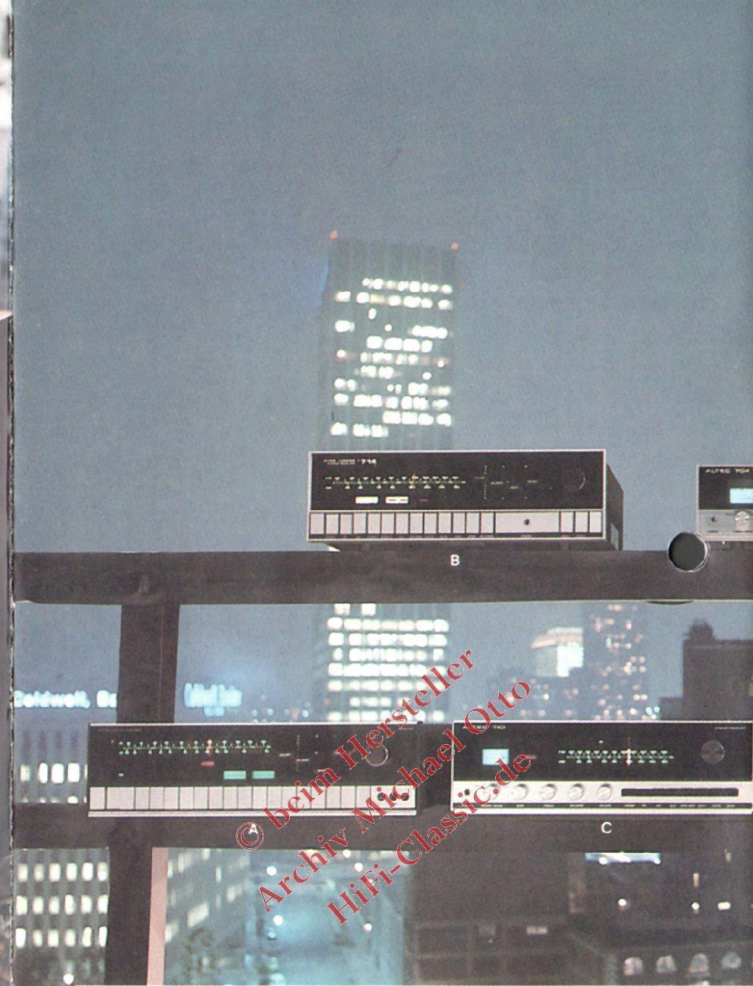
26 1/2" x 14 1/2" x 12 1/8" deep.

C. 890C Bolero - Behind its carved fretwork grille, the Bolero features the Altec 10" 406-8C high compliance low frequency speaker reinforced by a unique acoustic device - the phase inverter. This 10" free suspension cone reacts with the 406-8C to create the kind of bass reproduction that you feel as well as hear. Through a matched dividing network, midrange and high frequencies are smoothly directed to a powerful compression horn/driver. The result: robust lows, mellow midrange, crisp highs... and high efficiency performance that truly satisfies.

25 1/2" x 14 1/2" x 11 1/8" deep.

D. The 887A Capri - Fine fabric framed by the warmth of choice walnut make the Capri a pleasantly easy addition to any decorating scheme. Rated as the most accurate system in its price category by independent testing labs, its 8" acoustic suspension low frequency speaker and high frequency direct radiator reproduce music with amazing body and brilliance. You'll find it difficult to believe that it's all coming from such a modestly proportioned enclosure.

19" x 10" x 9" deep.



Altec Electronics

The sound of experience through solid state of the art.

A. The 725A AM/FM Stereo Receiver

Inside and out, this 120 Watt RMS stereo receiver is totally designed for optimum flexibility, reliability and musical purity. The 725A's clean, uncluttered appearance attractively conceals the multitude of functions and advanced circuitry which make it a performance leader in high quality home electronics. SPECIFICATIONS FM Tuner Section IHF Sensitivity - 1.8 uV Separation - better than 40 dB Amplifier Section RMS output (both channels driven - 8 ohms) - 60/60 Watts IHF Stereo Power Rating - 340 Watts Distortion (THD) - less than 0.3%

B. The 714A AM/FM Stereo Receiver

The recipient of rave reviews from independent test laboratories, The 714A delivers 88 continuous RMS Watts of virtually distortion-free power - enough to drive even the lowest efficiency speaker systems with reserve to spare. Positive contact piano-key mode selectors and slide controls are just a few of the many features that make the 714A a true sound value. SPECIFICATIONS FM Tuner Section IHF Sensitivity - 1.9 uV Separation - 40 dB Amplifier Section RMS output (both channels driven - 8 ohms) - 44/44 Watts IHF Stereo Power Rating - 180 Watts Distortion (THD) - less than 0.5%

C. The 710A AM/FM Stereo Receiver

Blackout dial Pushbutton mode selectors. Highly sensitive FM front end And 60 Watts of pure RMS power safeguarded by Altec's exclusive Fail-Safe Electronic Protection System. These features plus a host of others, provide the performance versatility required for almost any home music application. SPECIFICATIONS FM Tuner Section IHF Sensitivity - 2.5 uV Separation - 40 dB Amplifier Section RMS output (both channels driven - 8 ohms) - 30/30 Watts IHF Stereo Power Rating - 150 Watts Distortion (THD) - less than 0.5%



D. The 704A AM/FM Stereo Receiver

No other stereo receiver in its price range comes close to the 704A's stability, sensitivity and defined reproduction of complex musical information. Pushbutton mode switches and multiple speaker selector are just a few more reasons why the 704A is the economy champion of stereo receivers. SPECIFICATIONS FM Tuner Section IHF Sensitivity - 2.5 uV Separation - 35 dB Amplifier Section RMS output (both channels driven - 8 ohms) - 12.5/12.5 Watts IHF Stereo Power Rating - 60 Watts Distortion (THD) - less than 0.5%

E. The 724A Tuner/Preamplifier

Performance specifications identical to the 725A Stereo Receiver, but without the amplifier section. Designed to be used with a separate basic power amplifier or as an ideal mate for a pair of Altec's 770A Electronic Crossover/Biampifiers. A complete array of inputs, outputs and controls assure the utmost in flexibility.

F. The 770A Electronic Crossover/Bi-amplifier

The perfectionist's approach to music reproduction. A sophisticated electronic crossover, plus a 60 Watt bass amplifier and 30 Watt high frequency amplifier integrated on a single chassis. Designed to be mounted in the speaker enclosure itself, the 770A greatly increases dynamic range, reduces IM distortion to near non-existence and takes full advantage of amplifier damping by direct coupling of speaker to amplifier. SPECIFICATIONS Amplifier Section RMS output - 90 Watts total Distortion (THD) - less than 0.3% from 20 to 20,000 Hz Electronic Crossover Slope - 12 dB per octave, Crossover Points - 500 and 800 Hz switchable

G. The Acousti-Voicette Equalizer

Few people realize how great an affect room acoustics have on final reproduction - until a trained Altec representative "tunes" their sound system with the Acousti-Voicette. Utilizing 24 fully adjustable one-third octave bandwidth rejection filters per channel, the Acousti-Voicette allows perfect balancing of all frequencies to the inherent characteristics of the listening environment. What results is the flattest, most accurate acoustical response possible. Another major sound advancement by Altec.



Altec Loudspeaker Components / Utility Systems

The sound of experience
for the creative audio craftsman.

Low Frequency

A. 414-8B A 12" bass speaker capable of reproducing low frequencies that most 15" units miss. A magnetic structure of more than 9 lbs. and a 3" edgewound voice coil significantly contribute to its high efficiency.

B. 411-8A Super transient response and bass reproduction below the limits of human hearing are hallmarks of this massive 15" Dynamic Force woofer. 18 lb magnetic structure and 4" edgewound copper ribbon coil.

C. 416-8A Altec's famous "Voice of the Theatre" woofer. Highly efficient 10 1/2 lb magnetic structure and 3" edgewound copper ribbon coil.

High Frequency

D. 802-8D A critically engineered compression driver designed for use with the 511B sectoral horn and N501-8A network. High power handling capacity and peak-free performance from the recommended 500 Hz Crossover point to beyond audibility.

E. 806-8A When combined with the 811B sectoral horn and N801-8A 800 Hz network, this massive compression driver delivers smooth midrange and accurate high frequency performance well beyond the limits of contemporary recordings.

F. 3000H An integrally mounted cast zinc multicell horn and high frequency driver. Full 90° dispersion of precise high frequency reproduction.

Extended Range

G. 420A Biflex A 15" multiple compliance full range speaker. The heart of the 879A Santana, its high efficiency and smooth response make it an ideal choice for custom installations. Also available in a 12" version the **419-8B**.

H. 755E An 8" extended range speaker designed for either infinite baffle or bass reflex enclosures. Flat "pancake" design (2 1/2" deep) makes it ideal for wall-mounting.

I. 405A A full range mini-speaker. Only 4" in diameter, yet capable of full-bodied reproduction. An excellent choice for miniature bookshelf systems or auto stereo installations.

Coaxials

J. 601-8D Duplex A true two-way system on a single chassis. Features a 12" high compliance low frequency cone and an integral cast zinc multicell horn/driver. For enclosures as small as 2.5 cubic feet. The finest 12" coaxial system anywhere.

K. 604E Duplex Used by more recording studios for playback monitoring than any other. A high compliance woofer and multicell horn/driver combine to produce distortion-free bass, pure midrange and unequalled point source relationship. Also available in a slightly less efficient version, the **605B**. Impedance (both units) - 16 ohms.

Horns and Networks

L. 511B Cast aluminum sectoral horn with 90° horizontal and 40° vertical dispersion. Frequency cutoff 500Hz. Recommended driver: 802-8D.

M. 811B Cast aluminum sectoral horn with a frequency cutoff of 800 Hz. Dispersion: 90° horizontal, 40° vertical. Recommended driver: 806-8A.

N. N501-8A 500 Hz "Voice of the Theatre" network with a continuously variable high frequency attenuation control. Designed for use with the 802-8D driver.

O. N801-8A The "Voice of the Theatre" series network designed for use with the 806-8A driver. Continuously variable high frequency attenuation. Crossover: 800 Hz.

P. N3000E Designed for use with the 3000H high frequency unit and Altec high efficiency bass drivers. Continuously variable shelving control.

Utility Systems

Q. A7 Series The renowned "Voice of the Theatre" system. Only for those who demand the utmost from their audio equipment. Powerful, clean, realistic reproduction with optimum efficiency and projection. Available with 800 Hz HF system (**A7-8**) or 500 Hz HF system (**A7-500-8**). Cabinet size: 42" x 30" x 24" deep.

R. 846U The A7-8 "Voice of the Theatre" speaker system in a unfinished birch 846 Valencia enclosure. Designed for custom installation or for those who wish to save the cost of factory finishing. 29 1/2" x 26 1/2" x 18 1/2" deep.

NOTE: All loudspeaker components and networks shown, unless otherwise stated, have a rated impedance of 8 ohms.

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