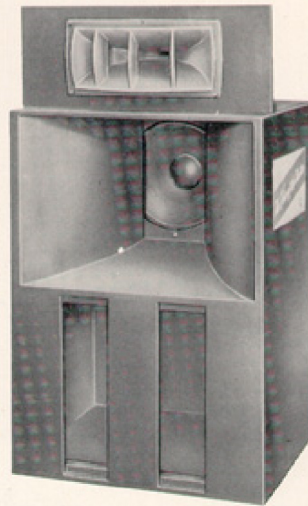


# A-7 Loudspeaker System

A-7



35-22,000 cycle range

Acoustic engineered

Theatre quality

Bass reflex horn

Sectoral high frequency horn

Full two-way system

Adjustable dividing network

The A-7 Speaker System is the smallest of the famous Altec "Voice of the Theatre" systems. Compactness and large power capacity permit the use of this system in small to medium sized auditoriums, night clubs, meeting halls, and similar type rooms. The speaker system employs the 802D high frequency driver unit connected to a die cast exponential horn for the reproduction of tones above 800 cycles.

The low frequencies are reproduced by the 803A low frequency speaker mounted on a short exponential horn to provide good coupling and high efficiency. This design provides wide range frequency response without the phase distortion inherent in three-way systems or folded horn types. The low frequency horn is of heavy construction, fully braced, and of true exponential expansion.

The complete A-7 system has a smooth effective frequency range from 35 to 22,000 cycles and is fully capable of reproducing all of the sounds and dynamic range within the normal limits of human hearing. The use of this high quality system assures complete accuracy and naturalness for music and voice reproduction.

**ALTEC**<sup>®</sup>  
LANSING CORPORATION

1515 S. Manchester Ave., Anaheim, Calif.

New York, Los Angeles

## SPECIFICATIONS

|                                 |   |
|---------------------------------|---|
| <b>Power Rating:</b>            | 30 watts                                  |
| <b>Impedance:</b>               | 16 ohms                                   |
| <b>Horizontal Distribution:</b> | 90°                                       |
| <b>Vertical Distribution:</b>   | 40°                                       |
| <b>Frequency Response:</b>      | 35-22,000 cps                             |
| <b>Crossover:</b>               | 800 cps, 6 db adjustable h.f. attenuation |
| <b>Dimensions:</b>              | 54" H<br>30" W<br>24" D                   |
| <b>Finish:</b>                  | Gray                                      |
| <b>Weight:</b>                  | 180 lbs.                                  |

## ARCHITECTS AND ENGINEERS SPECIFICATIONS

The speaker system shall be of the two-way theatre type. The frequency response of the system shall be uniform to 22,000 cycles, and the efficiency shall be at least 57.0 db (EIA). The high frequency section shall consist of a compression type driver mounted on a straight exponential horn of die cast aluminum. Horns employing bends or of non-metallic construction will not be acceptable under this specification. The horn shall provide a uniform coverage over a horizontal angle of 90° and a vertical angle of 40°.

The low frequency section shall employ a single 15" speaker mounted on a short exponential horn to provide proper phasing with the high frequency horn. Systems employing folded horns will not be acceptable under this specification because of inherent phase shift.

The crossover between the two sections shall be at 800 cycles with a full section network. The speaker system shall have a continuous power rating of 30 watts and shall not exceed 54" high, 30" wide, or 24" deep. Weight shall not exceed 180 pounds. The speaker system shall be Altec Lansing Model A-7.