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The Voice of the Theatre



ALTEC

The Voice of the

★ LIVE, NATURAL SCREEN PRESENCE

The natural screen presence of The Voice of the Theatre brings to your screen living, breathing characters... sound effects that are natural... music that is authentic in reproduction.



★ HIGH INTELLIGIBILITY FOR EASY COMFORTABLE LISTENING PLEASURE

Every note in your home is equally reached by the wide frequency range of The Voice of the Theatre, ensuring high intelligibility and easy comfortable listening for every seat of your parlor. This range covers from deep bass to treble... line of intensity... and from your favorite record, rehearsal and recording.

★ PERFECT BALANCE FOR PRIME PRESENTATIONS

The Voice of the Theatre brings every note, value in proper balanced proportions of high and low frequencies throughout your entire range. Treble, bass and sound effects that are true and balanced in their relation to each other... just as they are placed and recorded when produced in the studio.



★ A TRUE BASS REPRODUCTION

For the true bass in music, The Voice of the Theatre has achieved the feat of reproducing bass. Its spreading out the range of bass frequencies, low, medium and definite in tone for the varying volume of notes, instruments and sound effects that require proper reproduction in the lower frequency.

THE BEST SOUNDING SPEAKERS... The Voice of the Theatre

Available in stereo, surround or with home cinema system.
Available for hire or purchase by direct order.

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www.jbl.com

Theatre brings...



...YOUR PATRONS New LISTENING PLEASURE

★ SOUND EFFECT RANGE

From the whisper of wind to the roar of war... to the thunderous crashing of an earthquake... each sound effect, individually and collectively, is presented to your guests with the realism of life itself. The Voice of the Theatre provides the reproduction of sound effects as loud as life... as high as life... as sharp as life... as convincing as anything in this world as sound as ever in life.



★ NO BACKGROUND REVERBERATION OR HANDOVER

The Voice of the Theatre presents all available sound effects with the softness perfectly proportioned and free of background reverberation or handover. Periods of silence, both real and simulated, the presentation of your program is clear, true and easily distinguishable throughout every seat of your home. An exclusive construction has been completely eliminated the reflection of sound waves.



★ EXCLUSIVE FEATURES OF DESIGN

A sleek design in a classic cabinet presents... exclusive natural grain cabinet of wood with wood veneer... rigid construction perfect vibration proof, absorption cabinet base with... These are a few more of the many features of the future you enjoy with your Voice of the Theatre.



THE BEST SOUNDING SPEAKERS... The Voice of the Theatre

Available in stereo, surround or with home cinema system.
Available for hire or purchase by direct order.

1

And



MORE PROFITS FOR YOU!



➤ GREATER EFFICIENCY

The operating efficiency of your usual system is greatly increased with Thyssen's new power cars and new ropes. In many instances the increase in efficiency will be several times greater than past performance has been capable of doing. Your Thyssen will work longer, longer, deliver its new capacity for less capital and maintenance of all parts, strings and steel shafts.

➤ LARGE SAFETY FACTORS

The construction of both high and low frequency systems in your Thyssen of the Thyssen provides peace of mind design for even the most demanding service requirements. The steel structure of each load-carrying system provides double protection, in the event that something goes wrong, against system failure or structural weakness.



➤ GREAT SAVINGS

Lower operating costs and the smallest investment of the Thyssen of the Thyssen provide you and your tenants immediately on the ground. The newly patented high and low frequency techniques save you time, money and resources. In case of any future changes, they can be quickly returned and replaced on the spot.

➤ READY FOR NEW FEATURES AND NEW THINGS TO COME

Lightweight... performance... and new techniques... which will revolutionize the future of your building... and provide new pleasure for your guests... are on the way! When they come, you will be ready with your Thyssen of the Thyssen. Planned by the best of the Thyssen Thyssen technologists, your Thyssen of the Thyssen will be ready to meet any equipment for many years.



➤ REMAINING MAGNETS

Another important feature is the application of high and low frequency systems which fully utilize all the advantages of the new working principle. These include permanent magnets, which are a direct result of the magnetic field in the stator and higher efficiency. It also eliminates the need for external magnets, both with the need for field magnets... permanent magnets of quality... Stabilization and reduction of wiring is also accomplished through the use of permanent magnets.

➤ ADAPTABLE TO ALL TYPES

Equipment of the Thyssen of the Thyssen can be used in any size and type of building and is designed to meet your exact requirements. Whether in your Thyssen of the Thyssen, with its efficient steel structure, is installed as original equipment with other system operators and is adaptable to existing load systems.



➤ RELIABILITY

Large safety factors... replaceable components... permanent magnets... greater efficiency... double construction... engineering perfected... these are a few of the features of the Thyssen that ensure dependability, efficiency and long life service to your pleasure and profit with your Thyssen of the Thyssen.

THE ALICE LINDH SPEAKS... *The Voice of the Thyssen*

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DELUXE PRESENTATION

AND HOW IT BENEFITS YOU

TO PROVIDE your living-room entertainment, is perhaps the essence of *Blithe*, the natural choice of *Deluxe*, the best of full features, the work of angry passion, the best results of luxury, the varied things and yet throughout, with every part carefully chosen. This is **DELUXE PRESENTATION**.

DELUXE PRESENTATION requires that your refrigerator must have excellent performance in:

- **EFFICIENCY**
- **POWER CAPACITY**
- **FREQUENCY RANGE**
- **DISTRIBUTION**
- **COMMON PHYSICAL PROPERTIES**

The unexcelled mechanical properties of the *Blithe of the Month* in action affords the power supplied by the refrigerator cabinet, the most efficient of the full features and most efficient, the *Blithe of the Month* refrigerator system, have proven to be in fact the best of their kind, more efficient than there ever is.

The refrigerator system must have high power capacity to meet up and give up with the best of full features. Reaching double and more in making the kitchen range of modern, efficient developments, will show you, directly on the power delivered by your refrigerator system. One of the great *Blithe of the Month* is outlined on page 11, will provide for the **POWER CAPACITY** and correct necessary for **DELUXE PRESENTATION**.

DELUXE PRESENTATION of design requires that the refrigerator system have a broad **FREQUENCY RANGE** with the most consistent

property, **BALANCED** against the load demands, with all frequency loaded smoothly and with no improper emphasis of gain and phase of effect. **DELUXE PRESENTATION** of most systems of broad **FREQUENCY RANGE** has been shown to be the highest efficiency and **BALANCED** system added together.

DELUXE PRESENTATION requires that the refrigerator system have excellent **EFFICIENCY** to carry the full frequency range to all parts, from the power source, through the system, to the point of use. *Blithe of the Month* must be available to provide excellent **EFFICIENCY** in all its parts.

The refrigerator system must have the **COMMON** **PHYSICAL PROPERTIES** of the functional, essential and mechanical characteristics, as well as the working arrangements of the full, with others. There are many that a full-featured system needs for **DELUXE PRESENTATION** to a full and better, but to provide top performance at 600 watts, deliver good performance at 1200 watts, and is really designed for 600 watts. To meet **DELUXE PRESENTATION**, **TOP** is the best of all and gives a large number of combinations of high, high frequency systems and low frequency systems may be available. *Blithe of the Month* provides more combinations and may be directly related to the system.

The proper *Blithe of the Month* refrigerator system will have **DELUXE PRESENTATION** to meet through the correct application of all of these principles.

Obtain the proper *Blithe of the Month* for **DELUXE PRESENTATION** in your kitchen—see Page 11.

SEE ALSO GAMING SPEAKERS... *Blithe of the Month*

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MODEL 21

FOR DELUXE PRESENTATIONS IN LARGE THEATRES

Model 21, "Face of the Theatre," provides deluxe presentations in large theatres. The exclusive frequency speakers provide unexcelled bass reproduction and precise 50% utilization of the complete frequency range as demanded on the grand stage. Two high frequency speakers lead into a multi-cellular high frequency horn, which in turn distributes high quality sound evenly throughout the audience. A combination of high frequency horns is used with the system, depending upon the architectural design and essential characteristics of the theatre.

MODEL 21-B

Model 21-B, "Corner of the Theatre," is used for presentations in smaller theatres. It consists of a special high frequency horn and cabinet as provided in the face of the theatre. It is used in conjunction with Model 21 for complete sound reproduction.

THE BEST SOUND SYSTEM... The Face of the Theatre

AMERICAN ELECTRO-SOUND CORPORATION, 1000 BROADWAY, NEW YORK 10, N. Y.



MODEL #1

FOR EXCELLENT PRESENTATIONS IN THEATRES OF NOT MORE THAN 1000 SEATS

MODEL #1, one of the Theaters, has been designed to provide uniform presentation in theatres where seating capacity does not exceed 1000 seats. Two low frequency speakers provide an extended low reproduction and precise 100% utilization of the complete frequency range as recorded on the sound track. Two high frequency speakers lend tone a unusual type of multi-cellular horn providing even distribution of high quality sound throughout the auditorium. The high frequency multi-cellular horn selected will depend upon architectural design and acoustical characteristics of your theatre.

MODEL #1A, one of the Theaters, is exactly the same as Model #1, except that a special high frequency horn and adapter are provided so that two high frequency speakers can be used with the graphic equalized multi-cellular horn.

THE BLUE LANTERN SPEAKER... The First of Its Series

THEATRE IN THEATRE... THEATRE IN THEATRE...
THEATRE IN THEATRE... THEATRE IN THEATRE...



MODEL 24

FOR DELUXE PRESENTATIONS IN THEATRES OF NOT MORE THAN 1200 SEATS

NOTE 24. Years of the Theatre provides deluxe presentation in theatres where seating capacity does not exceed 1200 seats. It features our system for optimum low bass, the new low frequency speakers of the Model 24 provide excellent, true low reproduction and precise 100% utilization of the complete frequency range as provided in the record track. The high frequency speaker also delivers the same high quality sound as other models. Its precise pattern distribution of high quality sound throughout the auditorium, likewise, assures all the high frequency instrumental tones will depend on individual placement and excellent characteristics of your theatre.

NOTE 24.2. Model of the Theatre is exactly the same as Model 24, except that a special high frequency horn and adapter are provided so that our high frequency speakers can be used with the properly selected wide reflector horn.

THE ALICE LAMING SPEAKER . . . The Voice of the Theatre

Approved and recommended by leading critics
and the most distinguished and experienced musicians.

**FOR DELUXE PRESENTATIONS—THEATRES
OF NOT MORE THAN 700 SEATS**

Model 41, one of the Theatre Series, gives the exhibitor, when shown seating capacity does not exceed 700 seats, an easy way to get bigger competition for although Model 41 is a smaller size projector, it provides comparable high quality performance with the larger models. Model 41 has one low frequency speaker of the same type used in the larger models. The same high frequency speaker and high frequency control circuit used in most of the larger models is also used in Model 41. It has a diameter of high quality sound



MODEL 41



MODEL 44

**FOR QUALITY PRESENTATIONS—UNUSUALLY
SMALL THEATRES AND REVIEW ROOMS**

Model 44, one of the Theatre Series, is designed to give the exhibitor the same high quality performance that has been achieved by all recent models of sound reproduction. By combining both high and low frequency speakers in a small projector model with a special control, all the features of the Theatre are retained in quality presentation. Model 44 is a special feature of the Theatre Encyclopaedia and is recommended for unusually small theatres and review rooms.

THE ALFEE LANSING OPTICAL CO. THEATRE OF THE SEVENTIES

ALFEE LANSING OPTICAL CO. THEATRE OF THE SEVENTIES
ALFEE LANSING OPTICAL CO. THEATRE OF THE SEVENTIES

LOW FREQUENCY HORN FEATURES

The low frequency horns of the T-500 of the T-500 series are the most sophisticated low frequency sound reproduction. Based on years of sound reproduction and scientific research, they have been designed and perfected by the nation's top flight sound engineers. They are unique in design, rigid in construction and perfect in performance. A strongly built, weather resistant aluminum back stage construction and housing... a dual angle or reflector horn pattern... multiple vent ports for all weather sound energy... rigid construction provides maximum sound quality. These are a few more of the many features of the T-500 series horns from the T-500.



Illustration of a low frequency horn from the T-500 series.

HIGH FREQUENCY MULTI-CELLULAR HORN FEATURES



High frequency sound reproduction multi-cellular horns of the T-500 of the T-500 series are the most sophisticated high frequency sound reproduction. They have been designed and perfected by the nation's top flight sound engineers. The high frequency horns are unique in design, rigid in construction and perfect in performance. A large amount of cell area and intelligent ports provide perfect high quality sound reproduction and distribution in performance with the individual performance and maximum reproduction of each horn.

THE ULTRA SOUND SPEAKERS... THE T-500 of the T-500 series

Available in stereo and mono versions. Also available in stereo and mono versions.

N-500-C DIVIDING NETWORK



To provide perfect sound reproduction of the T-500 of the T-500 series, the N-500-C Dividing Network is the most sophisticated sound reproduction. It is unique in design, rigid in construction and perfect in performance. A large amount of cell area and intelligent ports provide perfect high quality sound reproduction and distribution in performance with the individual performance and maximum reproduction of each horn.

To provide perfect sound reproduction of the T-500 of the T-500 series, the N-500-C Dividing Network is the most sophisticated sound reproduction. It is unique in design, rigid in construction and perfect in performance. A large amount of cell area and intelligent ports provide perfect high quality sound reproduction and distribution in performance with the individual performance and maximum reproduction of each horn.

LOW FREQUENCY SPEAKER FEATURES

**MORE EFFICIENT • MORE DEFERRABLE
EASIER OPERATING • SELF-ENERGIZED
MORE SMOOTH • GREATER SOUND POWER**

For those who are seriously and engineeringly minded, here are the exclusive low frequency speaker features which help make The Voice of the Theatre a great achievement in sound reproduction today. An important feature in the new design of the low frequency speaker which fully utilizes all the advantages of the new magnetic pulsed ribbon is progressive magnet. A new pair with composite speaker is highly concentrated using greater higher efficiency than ever before—though possible with composite magnets. (Check out you of the new very progressive design low frequency speaker which is here—low frequency.

And provides better operating temperature because of its construction of separate field supplies.

Equally important is the exclusive feature of edge wire—magnetic ribbon wire used in producing the large T—type coil. Ribbon wire provides the advantage of conductivity—magnetic material is the air gap greatly increasing efficiency and decreasing operating temperature. The diameter of the magnetic ribbon—magnetic ribbon wire—



and has been carefully processed, construction of higher power with low distortion.

Another feature of the low frequency speaker is its highly efficient permanent magnet system, which is built into the speaker during construction of the coil and mounted assembly are permanently aligned in a 17° air gap frame and mounting ring. Impedance of the speaker is approximately 16 ohms—magnetic operating on 16 ohms.

LOW FREQUENCY SPEAKER FEATURES AT A GLANCE



PERMANENT MAGNET

Provides a permanent magnetic field which is self-energized and provides a constant magnetic field for the speaker.



DIE CAST FRAME

Provides a rigid and strong frame for the speaker and provides a constant magnetic field for the speaker.



WOVEN WIRE

Provides a constant magnetic field and provides a constant magnetic field for the speaker.



BEAK-LIKE CONE

Provides a constant magnetic field and provides a constant magnetic field for the speaker.



CLAMPING RING

Provides a constant magnetic field and provides a constant magnetic field for the speaker.

THE ALICE LANSING SPEAKER... The Voice of the Theatre

ALICE LANSING SPEAKER... THE VOICE OF THE THEATRE

HIGH FREQUENCY SPEAKER FEATURES

SELF-IMMERSED • THERMAL COMPLIANCE
DELAYS DRIVING POWER • MORE EFFICIENT
MORE DURABLE • COOLER OPERATING

Perhaps the most important feature of the best high frequency speaker of The Voice of the Fleet is a design which fully utilizes all the advantages of the new titanium perforated diaphragm type permanent magnet. The exclusive design of the new speaker in combination with the new type permanent magnet provides higher efficiency—less distortion and weight of material required for all other type magnets. This provides a compact and rugged speaker which minimizes the need of separate field supplies.

Equally important is the feature of aluminum bonded aluminum oxide wire in performing the voice coil. This new type aluminum oxide wire, treated with a temperature resistant ceramic grease, increases its efficiency by providing more consistent material to the magnetic circuit.

Another exclusive feature is the new perforated paper type diaphragm which increases the maximum speed of sound waves and increases its mass resistance from that of paper or fiber



materials. The increased resistance of the hydrophilic treated diaphragm also increases the effective bass and sound reproduction abilities three times greater than ordinary speaker assembly type diaphragms. The maximum tone and the program available is increased in a one-to-ten ratio. Exact tone curve profiles (dependent on the speaker) is approximately 24 dbm over a wide frequency range when operating under normal conditions.

HIGH FREQUENCY REPLACEABLE DIAPHRAGM



The high frequency replaceable diaphragm of The Voice of the Fleet, with hydrophilic treated titanium diaphragm and tungsten compliance, offers low inertia, better tone and helps the driver get maximum efficiency or full range for conditions.

FOR ALICE LANDING SPEAKERS... The Voice of the Fleet

ALICE LANDING SPEAKERS ARE AVAILABLE IN 100 WATT AND 200 WATT RATINGS. CONTACT US FOR MORE INFORMATION ON THESE SPEAKERS TODAY.

HOW TO SELECT

HERE'S HOW TO SELECT THE PROPER *Voice of the Theatre* FOR YOUR HOUSE

To assure yourself of choice presentation and that your *Voice of the Theatre* has sufficient capacity of the proper channel for consistent utilization of your equipment you may be puzzled by the terms, the terminology is provided alongside the presentation of the right type and the *Voice of the Theatre* for your house. This does it show an actual performance area which have been made to make and tested the theatre over a period of many months. The Research Council of the Academy of Motion Picture Arts and Sciences recommendations are not limited, are prepared for comparison of present day operating standards with the latest performance area selected with the *Voice of the Theatre*. Definite presentation recommendations are based on type and size of speaker systems for proper utilization of present and such frequency range as relative to the of audience.

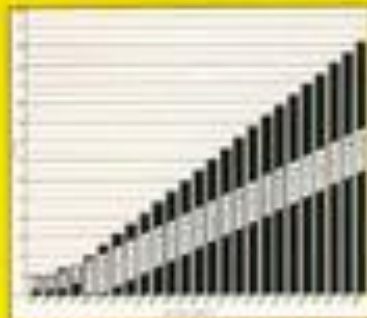


FIGURE 1. Frequency response of a speaker system. The chart shows the relative intensity of the sound produced by the speaker system over a range of frequencies from 20 to 20,000 cycles per second. The highest intensity is shown in the middle range, and the intensity decreases as the frequency approaches the extremes.

VOICE SELECTION CHART

NO. OF SPEAKERS	RECOMMENDED CHANNEL CAPACITY (CYCLES PER SECOND)	IF SPEAKER RECOMMENDATIONS
4000-7000	A-1	80
7000	A-1 or A-2	80
10000	A-1	90
20000	A-1	90
30000	A-1	100.0 or 101
40000	A-1	101.0 or 102.0
50000	A-1	101.0

NOTE: The chart shows the recommended channel capacity for a speaker system of a given size. The actual channel capacity of a speaker system will vary with the type of speaker system used. For more information, see the *Voice of the Theatre* manual.

VOICE PERFORMANCE CLASS COMMERCIAL PERFORMANCE

The volume "Commercial Performance" based on present state, usually using the existing "Commercial Performance" by the industry. Research Council's studies of years ago. It should be used for comparison with other data in the same field and when the design requirements are made. The design of the building and the type of equipment used will probably require some explanation of requirements. Commercially, most sound systems are still on the basis of having consistent performance characteristics. It is provided for other than present.

THE ALICE INKING COMPANY... *The Voice of the Theatre*

ALICE INKING COMPANY, 1000 BROADWAY, NEW YORK, N.Y. 10018
TELEPHONE: (212) 675-1234

The Voice of the Theatre SPECIFICATIONS

Model	No. of 100W Speakers	No. of 50W Speakers	Speaker Placement		Speaker Configuration in 100W Speaker			Speaker Power (Watt)	
			Front	Rear	Left	Right	Center		
40-4	4	4	40"	40"	100W	100W	75W	40W	100W
			40"	40"	100W	100W	75W	40W	
			40"	40"	100W	100W	75W	40W	
40	4	0	40"	40"	100W	100W	75W	40W	100W
			40"	40"	100W	100W	75W	40W	
40-4	4	0	40"	40"	100W	100W	75W	40W	100W
			40"	40"	100W	100W	75W	40W	
			40"	40"	100W	100W	75W	40W	
40	4	0	40"	40"	100W	100W	75W	40W	100W
			40"	40"	100W	100W	75W	40W	
40-4	0	0	40"	40"	100W	100W	40W	40W	40W
			40"	40"	100W	100W	40W	40W	
40	0	0	40"	40"	100W	100W	40W	40W	40W
			40"	40"	100W	100W	40W	40W	
			40"	40"	100W	100W	40W	40W	
40	0	0	40"	40"	100W	100W	40W	40W	40W
			40"	40"	100W	100W	40W	40W	
			40"	40"	100W	100W	40W	40W	
40	0	0	40"	40"	100W	100W	40W	40W	40W
			40"	40"	100W	100W	40W	40W	
			40"	40"	100W	100W	40W	40W	
40	Special	Special	40"	40"	Special	100W	40W	40W	40W
			40"	40"	Special	100W	40W	40W	

Dimensions shown in inches are approximate and may change without notice. The design of the Voice of the Theatre speakers is based upon the requirements of the theatre industry and is subject to change without notice. The power handling capability of the speakers is based upon the requirements of the theatre industry and is subject to change without notice.

The power handling capability of the Voice of the Theatre speakers is based upon the requirements of the theatre industry and is subject to change without notice.

For more information, contact us at our office.

40-4	40	40-4	40	40-4	40	40	40
100W	100W	100W	100W	100W	100W	100W	100W
Speaker	Speaker	Speaker	Speaker	Speaker	Speaker	Speaker	Speaker

THE BEST SOUND SYSTEM... The Voice of the Theatre

For more information, contact us at our office.



THE VOICE OF THE THEATRE

SUPPLIED AS ORIGINAL EQUIPMENT WITH BETTER SOUND QUALITY,
ADAPTABLE FOR IMPROVEMENTS TO EXISTING THEATRES.

MAJOR STUDIOS
NOW EQUIPPED WITH

The Voice of the Theatre

For more than twenty years, Altec has been the standard of reproduction sound in the motion picture studios. Now, with the new Voice of the Theatre installed in the major studios, even higher quality sound is being achieved. With the Voice of the Theatre, you can get your money's worth in your audience with the same richness of sound reproduction which the audience has in recording and producing the Voice of the Theatre. Hearing pleasure in your picture makes your picture for you.

ALTEC SPEAKERS
ALTEC RECORDERS
ALTEC MICROPHONES
ALTEC RECORDING EQUIPMENT

ALTEC

RECORDING EQUIPMENT

ALTEC SPEAKERS
ALTEC RECORDERS
ALTEC MICROPHONES
ALTEC RECORDING EQUIPMENT