THE AMPLEX
800 SERIES
STEREOPHONIC TAPE RECORDER PLAYER

Never before so much for so little ... from Ampex or any other tape recorder manufacturer. The all new, all solid state Ampex 800 Series tape recorder/player offers high quality stereo sound, unmatched reliability and magnificent styling, all for an extremely modest price.

SELF-CONTAINED PORTABLE WITH FINGER-TIP REVERSE

THE AMPLEX
1070
STEREOPHONIC TAPE RECORDER PLAYER

Here is a tape recorder for those people who wish the finest sound quality available in a home tape recorder but may not be interested in complete automation. The Ampex 1070 tape recorder offers you more sound quality for the money than any other tape recorder on the market today. In addition, it offers you the convenience of finger-tip reversing for easy listening ... without reel changing. If you are looking for a completely self-contained stereo tape recorder, capable of capturing and reproducing high fidelity ... you owe it to yourself to investigate the Ampex 1070.

THE AMPLEX
1100 SERIES
STEREOPHONIC TAPE RECORDER PLAYER

Imagine a tape recorder that loads itself in seconds, plays without attention for over 9 hours, and lets you enjoy a complete 4-track stereo tape without reel changing. This is the all new Ampex 1100 Series tape recorder ... the first tape recorder to offer the convenience of automatic loading and electronic reversing, coupled with the reliability of all solid state construction. If you've been considering a purchase of any quality music recording or reproducing instrument, owe it to yourself to investigate the incomparable 1100 Series ... from Ampex.

THE AMPLEX
2000 SERIES
STEREOPHONIC TAPE RECORDER PLAYER

Ampex 2000 Series tape recorders are truly the state of the art in home recording today. They combine living-room styling, professional reliability and automatic features ... plus the superb sound quality only Ampex has learned to expert from Ampex. If you are upgrading your present stereo system, or going into tape for the first time, here are units that deliver more performance and more features than any other tape recorder on the market. An Ampex 2000 is truly an investment in years of fine music and enjoyment.
The Ampex 1070 is a completely self-contained high-fidelity tape recorder/player ideal for "on location" recording and for people on the go. Although portable, it is styled to enhance the décor of any room setting. Components include, pre-amplifiers, power amplifiers and built-in monitoring speakers. The entire unit is encased in a handsome, vinyl-clad reinforced wood cabinet with carrying handle. It plays vertically, horizontally or at any angle. You may record and play 4-track stereophonic, and 4-track monophonic. The 1070 comes complete with an attractive snap-on beige vinyl-clad dust cover and one Ampex Model 2001 dynamic microphone. Everything you need for perfect recordings and playbacks is in the Ampex Model 1070.

F Precise Dual Capstan Drive—Only dual capstans provide perfect head-to-tape contact without utilizing "old fashioned" wear-producing pressure pods. And, only dual capstans provide the perfect method for controlling tape tension . . . ensuring ideal tape wrap around the heads. Underneath each capstan is a 3 1/2 pound flyweight giving a total of 7 pounds of inertia, which reduces wow and flutter to a point where it is inaudible even at the slowest speed—1 1/2 ips. The result—perfect recordings—perfect playbacks every time. And, with tape isolated, even warped reels cannot cause distortion due to uneven tape movement. Some day every quality tape recorder will probably employ a dual capstan drive . . . today it is an Ampex exclusive.

H High-Efficiency, Custom-Designed Amplifiers—For maximum reliability, low noise level, and optimum performance, pre-amplifiers are shock mounted. They are virtually isolated from external vibrations and provide an undistorted flow of signal power to the amplifiers. In the Model 1070, power amplifiers are solid state for longer life and cooler operation . . . frequency limiting output transformers have been eliminated. The power supply is also solid state for higher efficiency and longer life.

Rugged Die-Cast Aluminum Construction—For long life and precision alignment of critical parts. Over one-third of the unit's weight is rugged die-cast aluminum frames. Here is a truly precision-made recorder that can take the abuse of portability.

Additional Features—Convenient cord storage compartment; interlocked controls to eliminate tape stress and breakage; attractive snap-on dust cover; fold-down carrying handle; easily accessible mike inputs; "hidden" external input and output connectors to eliminate unsightly tangle cords; friction loaded volume controls for simultaneous adjustment of individual speakers; automatic speaker silencers to deaden built-in speakers when external speakers are used; and two-way muting switch for monitoring during record.

Built-In Speakers—Though most recordists will want external speakers for full dramatic stereo effects, the Ampex model 1070 is complete with two built-in, full-range speakers (one per channel). With this unit you have a completely self-contained tape recorder for recording and playing virtually anywhere 115 volt current is available. Additionally, built-in speakers are ideal for monitoring during record.

Constant-Speed Hysteresis Synchronous Motor—The electric motor of the Ampex 1070 recorder provides the smooth uniform speed necessary for accurate tape transport. Even when line voltage varies, the motor continues operating at a constant speed. And, varying loads (within motor rating) will not alter its r.p.m.'s. Due to the design of this motor, it reverses easily and accelerates quickly to operating speed. You'll get the dependable performance demanded for high-fidelity recording.
FOR UNEXCELLED RECORDING FLEXIBILITY

With the Ampex 1100 Series, you can build a complete library of high-fidelity, stereo music by recording directly from FM-Multiplex, or, you can record directly from a turntable and preserve the record collection. You can even record from your television set, or any other audio device. Models 1160 and 1165 come complete with a 16 Ampex 2001 microphone, for live-in-the-home recording.

Automatic Reverse - Enjoy a complete 4-track stereo or monophonic tape without switching reels. With an 1100-Series recorder you can add an audible electronic reversing signal at any point on your tape. During playback, you may play a complete tape in both directions without touching the recorder. And then, depending upon your desires, the recorder will either switch itself or replay the tape. There is also a manual control which allows you to reverse tape direction at any time.

Two Second Automatic Threading - Place a reel of tape on the recorder, pull the tape through the head assembly and drop it in the 'magic size'. Then put the recorder into play and sit back to enjoy the music.负荷 faster than a phonograph, even quicker than tuning your radio. No tape reel fusing. So easy a child can master it on his first try.

Ultra-Easy Limited Controls - All controls are clearly labeled, conveniently grouped and easily accessible. The recorder is engineered to virtually eliminate the possibility of damage through operating errors. Unlike other tape recorders, you need no mechanical skill or know-how to play and enjoy the Ampex 1100 Series.

VERATATL 3-Speed Operation - For instant fidelity select 3/4 ips. (inches per second); for extra long-play mood music select 1 1/2 ips; for voice recording select 3 1/2 ips. You can record up to 18 hours of monophonic material on one 7" reel (9 hours of stereophonic).

Accurate Record Level Vu Meters - Constantly monitor record level input. Each channel has its own separate volume control to adjust level individually or simultaneously. You're always assured perfect recordings.

Interlocked Tape Controls - Prevent stress and strain on tape when changing from fast wind to play operation. . . tape stretching and breakage are eliminated.

Precise Dual Capstan Drive - Only dual capstans provide perfect head-to-tape contact without utilizing 'old-fashioned' wear-producing pressure pads. And, only dual capstans provide the perfect method for controlling tape tension . . . allowing ideal tape wrap around the heads. Underneath each capstan is a 3 1/2 pound spring giving a total of 7 pounds of inertia, which reduces wow and flutter to a point where it is audible even at the slowest speed - 3/4 ips. The result - perfect recordings - perfect playbacks every time. And with tape inserted, even warped reels cannot cause distortion due to uneven tape movement. Finally, every quality tape recorder may employ a dual capstan drive . . . today it is an Ampex exclusive.

STORAGE TIPS

Clean your recorder regularly. The smaller the dust on the heads, the better the performance. Use a camel's hair brush to clean the heads. The Ampex 1100 Series recorder has a small hole on the front panel for inserting a .005 wire for cleaning. The capstans are also cleaned with a camel's hair brush or the .005 wire. Do not use any other brush or wire as it may damage the heads. Remember that the heads are very fragile and must be handled carefully.

For long life and precision playback of critical parts. Over one-third of the unit's weight is rugged die-cast aluminum frames. Here is a truly precision-made tape recorder that can take the abuse of portability.

WARRENTY - FULL ONE YEAR

All Ampex consumer tape recorders carry an unconditional full one year warranty. Should your recorder fail within this period (due to manufacturing or material defects) Ampex will repair your recorder at absolutely no charge to you.
AMPEX 2000 SERIES

LOADS AUTOMATICALLY

REVERSES ELECTRONICALLY

PLAYS IN BOTH DIRECTIONS

FOR THE CRITICAL EAR

Regardless of your musical taste, or how critical your listening ear, AmpeX 2000 Series tape recorders deliver all the light and loads of true high-fidelity. Even at slow speeds (31/2 ips) the sounds you hear will equal or surpass in quality the FM reception of the average home. AmpeX 2000 Series tape recorders offer you the superb combination of automatic features and traditional AmpeX performance - reliable performance year after year.

FOR UNBELIEVED RECORDING FLEXIBILITY

With the AmpeX 2000 you can build a complete library of high-fidelity stereo music by recording directly from AM, FM or Multiplex or, you can record directly from a tunable and preserve your record collection. Your AmpeX can be used as a teaching aid for language study through on-speed rehearsals. You can even record from your television set or any other audio device. Model 2907 comes complete with an AmpeX 2001 dynamic microphone for live recordings.

FOR UNSURPASSED OPERATING EASE

AmpeX 2000 Series tape recorders are truly the easiest recorders on the market to operate. To lead the recorder simply place the tape in the "magic slot," and you are ready to play or record. During playback, an invisible signal applied to the tape "talks" the recorder when to reverse. You may listen to a complete 4-track stereo tape with switching modes or touching the recorder. The recorder will even recycle itself and repeat a tape if you desire... or it will shut itself off automatically at the end of a selection.

ONE FULL YEAR WARRANTY

All AmpeX tape recorders carry an unconditional one year warranty. Should your recorder fail within this period (due to material defects) AmpeX will repair your recorder at absolutely no charge.

INTRODUCTORY AMPeX STereo TAPE OFFER

Now with the purchase of any AmpeX 2000 Series tape recorder you will receive, at no additional cost, 12 complete AmpeX Stereo Tapes of your choice and 2 blank tapes with a total list price of over $150. Make your selection from the best selling AmpeX Stereo Tapes of all time... classical, popular, jazz or jazz. This is our way of introducing you to the complete library of AmpeX Stereo Tapes containing over 5,000 titles by many of the world's most famous recording artists.

FEATURES

1. 2-Speed Automatic Threading-A feature everyone will appreciate, if not really enjoy using. Simply place reel on the recorder, pull tape through head assembly and drop in the "magic slot." Then put the recorder in play and sit back. Enjoy the music. Loads faster than a phonograph, even quicker than tuning your radio. No take-up reel fouling. So easy a child can master it on his first try.

2. Automatic Reverse - Imagine enjoying a complete 4-track stereo or monophonic tape without switching modes. With the AmpeX 2000 you play the entire length of your tape to completion, then watch as the recorder automatically changes direction and plays back in the opposite direction. This is possible because the 2000 can add an invisible electronic signal to your tape to "tell" the recorder when to reverse direction. Thus, by adding the signal at each end of the tape, your recorder will actually play a full tape 3 times to completion, then recycle itself and continue playing. When playing 2400' reels of tape at 3 1/2 ips, this self-reversing feature allows you to have up to 9 hours of uninterrupted music... there is also a manual control switch which allows you to reverse tape direction at any time you desire.

3. Versatile 3-Speed Operation - For true fidelity select 7 1/2 ips (inches per second); for extra long-play mood select 3 1/2 ips; for voce recording select 1 5/8 ips. You can record up to 16 hours of monophonic material on 1 tape.

4. Accurate Split Level Record Meters - Constantly monitor record level input. Each channel has its own separate volume control to adjust level individually or simultaneously. You're always assured perfect recording.

5. Interlocked Tape Controls - Prevent stress and strain on tape when changing from fast wind to play operations... tape stretching and breakage is eliminated.

6. Precision Dual Capacitor Drive - Most reliable tape drive system ever devised. Similar to drive systems used on Ampex video tape recorders. Tape is isolated between capacitors... head-to-tape contact and wrap are ideal... wear-producing pressure pads are eliminated.

Lifelike Ampex Deep-Gap Heads - Similar in construction to those used in professional equipment. After years of constant use, heads will be capable of recording and replaying the full range of frequencies necessary for high-fidelity. Matched to within ± 1 db, the recorder will play at the same volume level in both directions of play.

Simplified Operation - All controls are clearly labeled, conveniently grouped and easy to operate. It is virtually impossible to damage recorder through operating errors.

Die-Cast Aluminum Construction - For life and precision alignment of critical parts. Much of the unit's weight is carried by die-cast aluminum frame... this is particularly important in portable models where bumping and jarring could cause misalignment of recorder elements if not securely mounted.

High-Fidelity, Custom-Designed Amplifiers - For maximum reliability, low noise level and optimum performance, pre-amplifiers are shock mounted. They are virtually isolated from external vibrations and provide an undistorted flow of signal power to the amplifiers. In the Model 2070, power amplifier is solid state for longer life and cooler operation... frequency limiting output transformers have been eliminated. In all models, the power supply is also solid state for higher efficiency and longer life.

Automatic Slide Projector Actuator (Optional) - Provides perfectly synchronized narration of your own slide shows. For use with many popular models of remote control slide projectors. Simply add the invisible signal at any point on your tape where you wish your slide projector to advance, and the actuator does the rest. Here's the low-cost way to professional slide presentations.

Constant-Speed Hysteresis Synchronous Motor - The electric motor of the Ampex 2000 Series recorder provides the smooth uniform speed necessary for accurate tape transport. Even when line voltage varies the motor continues operating at a constant speed. And, varying loads (within rating) will not alter its r.p.m.'s. Due to the design of this motor, it operates easily and accelerates quickly to operating speed. You'll get the dependable performance demanded for high-fidelity recording.
MATCHING SPEAKERS FOR TRUE STEREO PERFORMANCE

Ampex Model 815 Speakers—Give exceptional performance for their comparatively small size. Each walnut enclosure contains a 5" woofer and a 3 1/2" tweeter; ... infinity baffled for full response. The cabinets have a beige grille cloth and are fiberglass lined. They may be deployed vertically or horizontally on a bookcase or end table, etc. Dimensions: 9" x 13 1/2" x 7 1/2". Sold in pairs.

Budget Priced Model 813 Speakers—Sold in pairs only. Enclosure contains a 4" x 9" extended range speaker giving excellent response from 100 to 12,000 c.p.s. Sides onto any Ampex model tape recorder and is easily detachable. Each unit comes complete with 5' cord and molded jack connection which inserts directly into speaker output on the tape recorder. Hidden storage compartment. Constructed of high impact, light tan plastic with dark brown grille cloth.

MATCHING ACCESSORIES

Model 806 Dust Cover (Optional)—Attractive snap on dust cover drops into place in a second. Lifts off easily. No hinges or clips to stick or bleed. Textured beige finish enhances the appearance of the recorder.

Model 701 Microphone—Exceptional performance for its unusually low cost. Microphone is a condenser type, dynamic type, with all metal construction. Measures with 3 1/2" long by 1 1/4" in diameter ... perfect condition. Otherwise, no valid conditions or opinions can be obtained. Ampex is proud of the specifications of its tape recorders. Throughout the years, Ampex tape recorders are one of the finest for the industry and are always in the trade in values. They will continue to do so. Specifications subject to change without notice.

A Word of Caution—The tape recorder industry today is in a home-power race, and there is no standard procedure for obtaining and stating specifications. Therefore, if you wish to compare Ampex specifications with those of any other competitive, you must make sure that these specifications were obtained under similar conditions. Otherwise, no valid comparisons or opinions can be obtained.

Ampex Microphone No. 201—A high impedance omnidirectional dynamic microphone for recording. Optimum frequency response is provided in the critical range from 50 to 15,000 c.p.s. The microphone has been styled for a slim, tapered appearance. It is light in weight and comfortably balanced for hand-held use. Complete with matching brushed aluminum case.

Ampex Microphone No. 206—A high impedance omnidirectional dynamic microphone for recording. Optimum frequency response is provided in the critical range from 100 to 15,000 c.p.s. The microphone has been styled for a slim, tapered appearance. It is light in weight and comfortably balanced for hand-held use. Complete with matching brushed aluminum case.

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