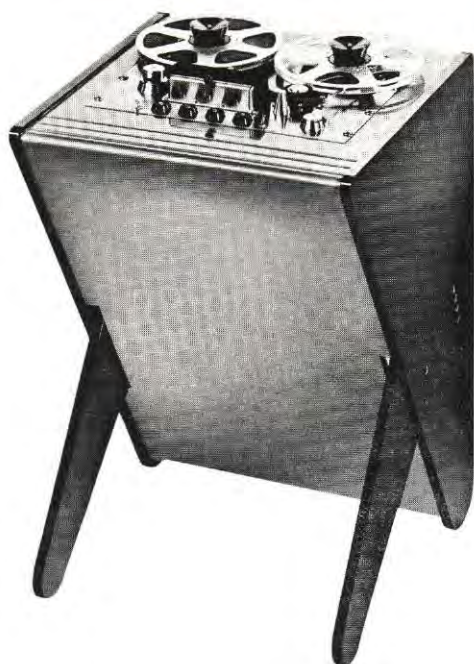


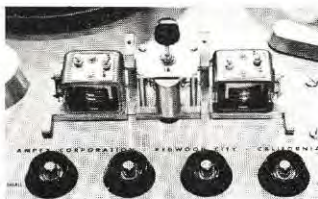
THE AMPEX MODEL 352 TAPE REPRODUCER



NEW Model 352-2/4 Two and four track PROFESSIONAL STEREO REPRODUCER

Now ALL pre-recorded tapes can be professionally reproduced on ONE machine because it handles two and four track stereophonic as well as monophonic tapes.

- To the broadcaster this permits use of a wide variety of program or music tapes.
- To the recording studio this unit is ideal for monitoring, dubbing and quality control.
- To all users of the 352-2/4 is a long life, dependable reproducer which provides professional stereo tape playback facilities for their exacting requirements.



Head cover removed showing selector switch between the two and four track heads.

for high fidelity playback of pre-recorded tapes

The Ampex Model 352 is a reproducer that plays pre-recorded tapes much as a turntable plays disc records. For those many applications where only the playback function is needed, it serves in lieu of a high quality tape recorder and has special advantages of its own.

No accidental erasures — Since the Model 352 has no recording or erase heads, irreplaceable tape recordings are fully protected from accidental erasure. Thus the 352 is particularly suitable where non-technical personnel will play tapes — or in professional applications where loss through erasure could be high.

Highest quality of reproduction — The finest single or two-channel tape recordings can be reproduced "perfectly" on the Ampex Model 352. It is identical in performance to the playback functions of the Ampex Model 351 Recorder which is so widely used in radio network broadcasting and professional studio recording.

Lower cost — The Ampex 352 Tape Reproducer costs less than a recorder of comparable quality. Radio stations, recording studios and educational institutions can in many places use a tape reproducer in lieu of another recorder. Equipment costs are cut without sacrificing quality.

APPLICATIONS

In radio broadcasting the Model 352 plays transcribed programs and time-delayed network material monaural or 2-track stereophonic. In addition it is the safest machine for editing.

For advertising agencies and theatrical and radio booking agents, it is an ideal machine for auditioning taped radio programs, dramatic performances and commercials.

In the professional recording studio, the Ampex 352 provides high quality playback for checking, editing and hearings by studio clients, critics and others.

For educational institutions, it is an exceedingly durable machine for playing pre-recorded tapes. It can be entrusted to student use with minimum danger to tapes.

The AMPEX Standard of excellence...

The 352 Tape Reproducer incorporates those characteristics that have put Ampex Tape Recorders in a class by themselves.

ADHERENCE TO SPECIFICATIONS. All published specifications are conservative ratings, not exaggerated claims. Each Ampex is instrument-tested to equal or exceed every performance figure (see back page).

15,000 CYCLE/SEC. RESPONSE AT 7½ IN/SEC. Ampex machines meet NAB primary standards at a tape speed of 7½ in/sec. as well as at 15 in/sec. Tapes maintain these characteristics when interchanged between any Ampex equipment.

FREEDOM FROM NOISE AND DISTORTION. Signal-to-noise ratio of single track Model 352 Reproducers is over 60 db at the level of 3% distortion of a 400 cycle tone. Flutter and wow are well under 0.15% rms at 15 in/sec. and under 0.20% rms at 7½ in/sec.

ACCURACY OF TIMING. Timing is accurate within ± 3.6 seconds in 30 minutes program time. Timing accuracy is a "built-in feature" — not a precarious balance of adjustments. It is standard from one Ampex to another.

FAST RESPONSE TO CONTROLS. Starting time is "instantaneous" — full stable tape speed in less than 1/10th second. In stopping, the tape moves less than 2 inches even at 15 in/sec. tape speed. Exact cueing is routine on an Ampex.

**GENERAL PERFORMANCE CHARACTERISTICS
AND SPECIFICATIONS**

HEADS	Full track, half track, two track in-line stereo, or four track stereo.		
TAPE SPEEDS	3 ³ / ₄ - 7 ¹ / ₂ ips, or 15 and 7 ¹ / ₂ ips.		
FREQUENCY RESPONSE	15 ips = ±2 db 30 to 15,000 cycles/sec. 7 ¹ / ₂ ips = ±2 db 40 to 12,000 cycles/sec., -4 db at 15 kc. 3 ³ / ₄ ips = ±2 db 50 to 7,500 cycles/sec. 3 ³ / ₄ ips (four track) ±2 db 50 - 10 kc, -6 at 15 kc.		
SIGNAL-TO-NOISE RATIO	Speed	Peak Signal Level To Unweighted Noise	The peak signal level is defined as that level at which total RMS harmonic distortion is 3% when measured on a 400 cycle tone.
	15"	Full track 60 db Half track 55 db	
	7 ¹ / ₂ "	2 track stereo 55 db 4 track stereo 51 db	
	3 ³ / ₄ "	4 track stereo 48 db	
FLUTTER AND WOW	15 ips	Well below 0.5% RMS	
	7 ¹ / ₂ ips	Well below 0.20% RMS	
	3 ³ / ₄ ips	Well below .25% RMS	
PLAYING TIMES		Speed	Half Track and Four Track Full and Two Track Stereophonic
	With NAB 10 ¹ / ₂ "	15 ips	64 min. 32 min.
	reels (2400 feet of tape)	7 ¹ / ₂ ips	2 hrs. 8 min. 64 min.
		3 ³ / ₄ ips	4 hrs. 16 min. 2 hrs. 8 min.
STARTING TIME	Instantaneous (tape accelerates to full speed in less than 1/10 second).		
STOPPING TIME	At 15 ips speed, tape moves less than two inches after pressing "Stop" button.		
PLAYBACK TIMING ACCURACY	±0.2% (±3.6 seconds in a thirty-minute recording).		
REWIND TIME	Approximately one minute for 2400-foot NAB reel; 30 seconds for 1200-foot EIA reel. Rewind times for thin base tapes proportionately longer.		
CONTROLS	Tape motion controlled by four pushbuttons; Start, Stop, Fast Forward and Rewind. Tape speed changed by a Motor Speed Switch. Equalization Switch on electronic chassis. Reel Size Switch provides proper tape tensions for NAB 10 ¹ / ₂ -inch or EIA 5-inch and 7-inch reels.		
OUTPUT, TWO TRACK	Plus 4 dbm output into 600 ohms, balanced or unbalanced. Will feed a high input impedance amplifier directly with approximately one volt. Screwdriver adjusted output gain control on electronic chassis.		
OUTPUT, FOUR TRACK	Minus 2 dbm output into 600 ohms, balanced or unbalanced. Will feed a high input impedance amplifier directly with approximately .6 volt. Screwdriver adjusted output gain control on electronic chassis.		
POWER REQUIREMENTS	Either half, stereophonic, or full-track machines require 2.4 amperes at 117 volts A.C. Machines are available for either 50 or 60 cycle operation.		
RACK SPACE	Standard 19 inch wide panel with commercial notching. Tape Transport , 15 ³ / ₄ inches of rack space, weight 50 lbs. Electronic Assembly , 5 ¹ / ₄ inches of rack space, weight 13 ¹ / ₂ lbs. Power Panel , 1 ³ / ₄ inches of rack space, weight 1 lb.		
CONSOLE DIMENSIONS	35" high x 24 ¹ / ₄ " wide x 24 ³ / ₄ " deep; weight 109 lbs.		

OPTIONS TO SPECIFY WHEN ORDERING

MOUNTING STYLE	Console or rack-mount _____
POWER LINE FREQUENCY	60 or 50 cycle/sec. _____
HEAD CONFIGURATION	Full track, half track, or in-line two-channel stereo, or two and four track stereo.
SPEEDS	7 ¹ / ₂ and 15 ips or 3 ³ / ₄ and 7 ¹ / ₂ ips.

ACCESSORIES

REMOTE CONTROL UNITS	Controls, Start , Stop , Fast Forward , and Rewind from a remote location. Catalog #31022-01 is mounted in a wooden case and is completely wired. Catalog #31022-02 is mounted on a flat plate for flush mounting in studio consoles and is not wired. (Remote controls contain "Record" button, not used.)
ALIGNMENT TAPE	For 15 ips, Catalog No. 4494; for 7 ¹ / ₂ ips 2 track, Catalog No. 5563, for 3 ³ / ₄ four track (120 micro second curve), Catalog 31331-01.
HEAD DEMAGNETIZER	Catalog No. 704-01.



Offices and Representatives in
Principal Cities Throughout the World

Audio Products Division
AMPEX PROFESSIONAL PRODUCTS COMPANY
934 CHARTER STREET • REDWOOD CITY, CALIFORNIA

AMPEX

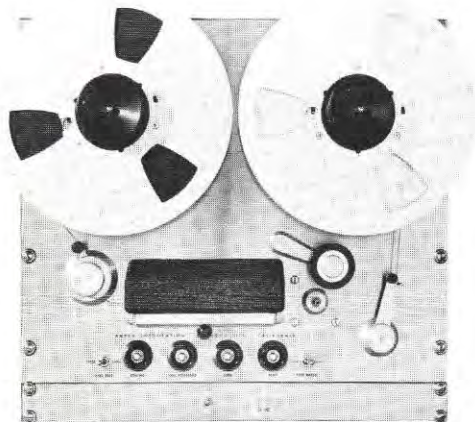
AMPEX CORPORATION
AUDIO DIVISION

DOMESTIC PRICE LIST
SUPERSEDES ALL PREVIOUS SCHEDULES

350 SERIES PROFESSIONAL RECORDERS/REPRODUCERS

EFFECTIVE JUNE 18, 1962 DEALER FRANCHISE: PROFESSIONAL

MODEL 352



MODEL 352 TAPE REPRODUCER

Plays prerecorded tapes for professional applications; perfect for transcribed radio programs; theatrical and studio use as well as in educational institutions. Playback functions are identical in reproduction quality to Model 351 recorder. Available in full-track and two-channel stereo models.

CHANNEL	SINGLE CHANNEL	TWO CHANNEL	352 SERIES: INFORMATION AND ACCESSORIES	
	<p>352-U</p>	<p>352-2U</p>		<p>EQUALIZATION — All models supplied with NAB equalization.</p> <p>SPECIAL VERSIONS — Half and quarter track versions available on special quotation from Ampex.</p> <p>OTHER 352 ACCESSORIES — See Accessory List.</p>
	UNMOUNTED	UNMOUNTED	CONSOLE CABINET	OPERATION MANUAL (Supplied with each unit)
DESCRIPTION	Single Channel Tape Playback Unit: Full Track, 1/4"	Two Channel Tape Playback Unit: Two Track, 1/4"	Console Cabinet (shown above): Accomodates either Single or Two Channel Playback Units	
TAPE SPEEDS	7 1/2-15	7 1/2-15		
CATALOG NUMBERS	9991-01	30689-01	6125-01 (cabinet only)	TM-2004
SUGGESTED USER'S PRICE	\$1250.	\$1550.	\$202.	\$3.00

AMPEX

**AMPEX CORPORATION
AUDIO DIVISION**



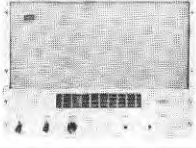
DOMESTIC PRICE LIST
SUPERSEDES ALL PREVIOUS SCHEDULES

PROFESSIONAL/MASTER ACCESSORIES

EFFECTIVE JUNE 18, 1962

DEALER FRANCHISE:
PROFESSIONAL- MASTER

**ACCESSORIES
FOR:
300
350
3000
PR-10**

GENERAL ACCESSORIES	DESCRIPTION	SPECIFICATIONS — USE	CATALOG NUMBER	USER NET PRICE
	MIXER, MODEL MX-10 — Four position, two channel mixer, feeds 4 or 2 mike and 2 line inputs to either or both channels.	For PR-10 Series and general use; unmounted	96900-01	\$395.00
	MIXER, MODEL MX-35 — Four position, two channel mixer, feeds 4 or 2 mike and 2 line inputs to either or both channels.	For 350 and 300 Series and general use; unmounted	96910-01	395.00
	SPEAKER/AMPLIFIER, MODEL SA-10 — 40 watt voltage regulated amp with low distortion at low frequencies — has amplifier compensation switch. (See below for mike preamp.)	Speaker/Amplifier, unmounted	96975-01	295.00
		Speaker and Enclosure, only	96980-01	120.00
		40 watt Amplifier, only	96950-01	175.00
		Portable Case	96960-01	60.00
	REMOTE CONTROL — For use with 351/352/354/PR-10	Wired (in box with 30' cord)	96510-01	50.00
		Panel Type (less cord)	96520-01	42.00
	LINE INPUT TRANSFORMERS — For use with PR-10/MX-10/SA-10/354/MX-35	Balanced Bridge	96134-01	14.50
		Matching 600 ohm	96134-02	14.50
	MICROPHONE PREAMPS — For use with PR-10/354 and SA-10	40 db (PR-10, 354)	96440-01	45.00
		60 db (PR-10, 354)	96440-04	60.00
		SA-10	96440-03	45.00
	HEAD DEMAGNETIZERS — For use with all series		820	9.95
	APPROVED CLEANING FLUID — For use with all series	4 oz. can	823	1.45
	APPROVED LUBRICATING OIL — For use with all series	4 oz. bottle	827	.95

STANDARD ALIGNMENT TAPES (See description and price, Sheet No. 1344-1345)

350 SERIES ACCESSORIES

	MODEL 354 RECORD PLUG-IN EQUALIZERS — (one per channel required)	7½ NAB — 15 NAB	96121-01	9.90
		3¾ NAB (Spec. 120 or 200 μsec.) — 7½ NAB	96120-01	9.90
		7½ NAB — 15 AME	96122-01	9.90
	MODEL 354 REPRODUCE PLUG-IN EQUALIZERS — (one per channel required)	7½ NAB — 15 NAB	96111-03	9.90
		3¾ (120 μsec) — 7½ NAB	96110-03	9.90
		7½ NAB — 15 AME	96112-03	14.50
		3¾ (200 μsec) — 7½ NAB	96114-03	9.90
MODEL 351 — Operation and Maintenance Manual		(Furnished with Recorder)	TM-2002A	4.00
MODEL 352 — Operation and Maintenance Manual		(Furnished with Reproducer)	TM-2004	3.00
MODEL 354 — Operation and Maintenance Manual		(Furnished with Recorder)	TM-2011B	4.00
300 SERIES ACCESSORIES				
MODEL 300 — Operation and Maintenance Manual		Single Channel (Furnished with recorder)	TM-2013	4.00
MODEL 300 — Operation and Maintenance Manual		Multi-Channel (Furnished with recorder)	TM-2005	4.00
3000 SERIES ACCESSORIES				
3200 SYSTEM — Operation and Maintenance Manual		(Furnished with each unit)	TM-2008	4.00
3300 SYSTEM — Operation and Maintenance Manual		(Furnished with each unit)	TM-2007	4.00