

# AMPEX

SOLID-STATE

## AA-620

AMPLIFIER/SPEAKER

## PROFESSIONAL QUALITY COMPACT PORTABLE AUDIO AMPLIFIER/SPEAKER SYSTEM



- all new solid-state electronics
- 20 watts output
- two speakers in tuned enclosure
- system-matched components

Now . . . a totally new portable 20 watt amplifier/speaker system for use with the Ampex AG-600 Recorder or any other professional equipment. New all solid-state electronics assure trouble free operation in studio or field. The new AA-620 offers significant advantages over its predecessor (the field proven 622 series) such as: two speakers, solid-state electronics, increased power output, and separate bass and treble equalization. System-matching provides essentially flat acoustical response (in free air) from 65 Hz to 10 kHz . . . unusual range for so compact a unit.

The AA-620 affords studio quality sound reproduction in a

- 65 Hz to 10 kHz essentially flat acoustical response
- portable or rack mount
- adjustable bass and treble equalization

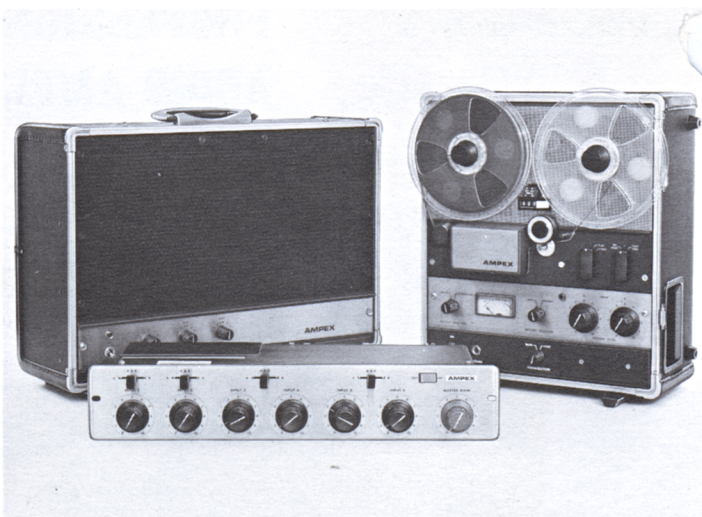
lightweight package. Separate bass-treble equalizers provide  $\pm 6$  dB range to compensate for room acoustics.

The AA-620 system employs two high compliance speakers (10" long excursion woofer and 3½" tweeter). The speaker system gives exceptional performance at full power.

The AA-620 system is available in a durable lightweight, easy-to-carry case. The case is color-matched to the companion Ampex AG-600 portable professional recorder. It is also available for mounting in a standard rack, requiring only 12¼ inches of vertical rack space.

**AMPEX****SOLID-STATE AA-620 AMPLIFIER/SPEAKER****SYSTEM-MATCHED AA-620 SPEAKER/AMPLIFIER**

Full 20 watt output for on-the-spot playback or studio sound reinforcement from the all new, all solid-state, two speaker system. Response is essentially flat acoustically, with range better than 65 Hz to 10 kHz.

**AG-600 SYSTEM . . . a complete "mini" studio**

The AG-600 professional recorder/reproducer system offers field portable flexibility with studio standard quality. The basic system includes the AG-600 recorder/reproducer, AA-620 amplifier/speaker, and the AM-10 mixer.

**SPECIFICATIONS**

**Overall Frequency Response (in air):** Essentially flat acoustically, range better than 65 Hz to 10 kHz.

**Speakers:** 10" Woofer  
3½" Tweeter

**Power Output:** 20 watts into an 8 ohm resistive load.

**Equalization:** Two switches on front panel provide -6, -3, 0, +3, +6 dB at 100 Hz and 10 kHz.

**Signal to Noise:** Amplifier noise (including hum), 80 dB below rated output.

**Input Impedance:** 100,000 ohms unbalanced; 0.9 volt rms for full output.

**Harmonic Distortion:** Less than 1% at full rated output.

**Power Requirement:** 117 volt 50/60 Hz.  
0.5 amperes at rated power output.

**Dimension:** Portable — 14¾" H, 20½" L, 9" D.  
Rack mount — 12½" H, 19" L, 9" D.

**Weight:** Portable — 24½ lbs.  
Rack mount — 15 lbs.

**AMPEX PORTABLE PROFESSIONAL RECORDERS FOR USE WITH THE AA-620****AG-600 RECORDER**

■ All solid-state ■ Two-speed transport using die-cast frame ■ ±2 dB from 40 Hz to 15 kHz at 7½ ips; ±2 dB from 50 Hz to 7 kHz at 3¾ ips  
■ Full or half track mono, half or quarter track stereo or mono ■ 3 digit tape counter ■ Two inputs per channel ■ 28 lbs. (single channel) in portable case

**AG-500 RECORDER**

■ All solid-state electronics ■ Two-speed transport using die-cast frame  
■ ±2 dB from 30 Hz to 18 kHz at 15 ips; +2 dB-4 dB from 30 Hz to 15 kHz at 7½ ips; +2 dB from 40 Hz to 8 kHz at 3¾ ips ■ Four position head assembly ■ Two inputs per channel (individual gain controls) ■ Full, half, two and quarter track stereo or mono ■ Pushbutton relay solenoid operation (can be remote controlled) ■ 42 lbs. (single channel) in portable case

**AMPEX**

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