Electro-Voice

SOLID STATE STEREO CONTROL AMPLIFIERS

MODELS E-V 44 and E-V 66

features at-a-glance • All-transistor (solid state) electronics with military-type etched circuits • Direct-coupled output eliminates coupling capacitors and output transformers • Extremely flat, wide-range response • Free from microphonics; exceptionally low distortion, hum, noise • High damping factor assures optimum performance with any speaker system • Excellent square-wave response assures faithful reproduction of musical transients • Cool operation extends component life, reduces ventilation requirements • Attractive midnight black and satin aluminum panels with embossed electric-blue dial markings.

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description

Behind the refinements offered in the E-V 66 and E-V 44 stereo control amplifiers lies a design program which could have been mounted only by a manufacturer with the diversified engineering skills, space research experience, and laboratory resources of Electro-Voice. The result: units boasting the most advanced circuit techniques ever offered in comparable equipment.

The use of highest quality transistors and careful chassis layout virtually eliminates hum, hiss, and noise. Particularly important is the absence of noise and hiss at low volume settings. Microphonics are nonexistent, allowing these amplifiers to be placed anywhere — even on top of speaker enclosures! Direct coupling to the loudspeakers, eliminating output transformers and coupling capacitors, provides wide frequency response, clean bass definition, and superb transient response.

E-V 66 — The output of the E-V 66 is conservatively rated at 80 watts, IHF music power (40 watts per channel) with 160 watts of instantaneous peak power. The unit incorporates twenty-six transistors, fourteen of which are silicon, in addition to four silicon diodes utilized in the power supply. Extremely cool operation results from conduction of the small amount of heat from the output transistors to the unit's heavy base plate. All components are operated well within rated temperature ranges, insuring long life and exceptional stability.

Feedback is incorporated around all stages — even the magnetic phono input, where it provides highly accurate equalization. Wide frequency response, unusually low distortion, exceptional square-wave response, and other performance refinements remain constant throughout the entire power output range.

The E-V 66 incorporates Automatic Contour Regulation — a unique tone control circuit (patent pending) linked to the volume control circuit to provide infinitely variable loudness compensation. Any amount of boost selected on the bass and treble controls is regulated by the volume control to reduce the amount of compensation automatically as the volume is increased. The flat settings of the tone controls are not affected by changes in the volume control setting. The boost characteristic of the bass control is useful in compensating for deficiencies in loudspeaker and room acoustics. Sound is exceptionally "clean" even at maximum setting where conventional tone controls are often unpleasantly "boomy."

The unit is supplied complete with a black perforated metal wrap-around cover. An optional oiled walnut wood case (Model CW1) is also available. This case fits either model E-V 66 or E-V 44.

E-V 44 — Similar to the E-V 66, except 40-watt IHF power output, standard tone control circuit, twelve transistors (6 silicon). See reverse side for additional specifications.

specifications E-V 66

Power Output:	80 watts IHF music power (40 watts per channel); 160 watts instantaneous peak power.
Frequency Response:	± 1.5 db 8 to 50,000 cps at rated power
Channel Separation:	40 db minimum at 1000 cps
Harmonic Distortion:	Less than 0.5% at rated output
IM Distortion:	Less than 0.5% at rated output
Hum and Noise:	High level inputs — better than 80 db down at rated output Magnetic phono input — better than 70 db down (reference, 10 mv input)
Input Sensitivity:	Magnetic phono, 3 mv Ceramic phono, tuner, auxiliary, and tape monitor — 100 mv
Controls:	Selector (Phono-Tuner-Aux) Volume Balance Bass (+20 db, −20 db at 50 cps)* Treble (+15 db, −15 db at 10 kc)* Speaker (On-Mute) Tape Monitor (Source-Tape) Mode (Stereo-Mono) AC Power (On-Off)
Outputs:	Speaker (4-8-16 ohms each channel); stereo tape recorder; stereo headphone
Output Damping Factor:	50 at 8 ohms
Auxiliary AC Outlets:	2: one switched, one unswitched
Power Requirements:	110-120 volts, 50-60 cycle AC
Dimensions:	4⅛″ x 12¼″ x 9¾″
Weight:	9½ lbs.
Price:	$219.00

*Figures represent maximum boost at low volume settings. (See text for explanation of Automatic Contour Regulation circuit.)

specifications E-V 44

All specifications same as E-V 66, except:

Power Output:	40 watts IHF music power (20 watts per channel); 80 watts instantaneous peak power
Frequency Response:	± 1.5 db 10 to 40,000 cps at rated power
Harmonic Distortion:	Less than 0.5% at rated output
IM Distortion:	Less than 1% at rated output
Hum and Noise:	High level inputs — better than 70 db down at rated output Magnetic phono input — better than 60 db down (reference, 10 mv input)
Bass Control:	+12 db, −16 db at 50 cps
Treble Control:	+12 db, −16 db at 10,000 cps
Price:	$116.75

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Electro-Voice® WARRANTY

THE E-V 66 AND E-V 44 ARE UNCONDITIONALLY GUARANTEED FOR TWO FULL YEARS AGAINST DEFECTIVE WORKMANSHIP AND MATERIALS.

ELECTRO-VOICE, INC.
BUCHANAN, MICHIGAN

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