

Wood cabinet optional



DYNACO SCA-50 STEREO PREAMPLIFIER/AMPLIFIER

The SCA-50 can be compared sonically with the most expensive audio components, within its conservative output rating of 25 watts continuous average power per channel. In listening sessions at Dynaco, we have found it difficult to distinguish the SCA-50 from our own PAT-5 and Stereo 150 combination—except, of course, for power.

In kit form, it's a typically easy-to-build Dynakit. Instructions are clear and direct, with a single large color pictorial diagram which shows where each wire and component goes. Three epoxy-filled fiberglass printed circuit boards, containing all the active audio circuitry, are preassembled and pretested. Even the output transistors are attached to the amplifier circuit boards. The builder is thus assured that once properly assembled, the SCA-50 will meet—or exceed—its specifications.

In features and flexibility the SCA-50 compares favorably with much more costly equipment. The tone controls, for example, are similar to those used in the PAT-5 deluxe preamplifier. The bass control has a variable turnover characteristic so that small changes in boost or cut affect only the lowest frequencies at first. Not until the bass control is advanced considerably will it affect the lower mid-

range. The treble control has a fixed turnover, but its hinge frequency is higher than one would expect. Thus, both controls can be altered to nearly their extreme positions without affecting the midrange response, and the tone controls can be disengaged with a front panel switch.

The tone control and preamplifier circuits employ an all-new integrated circuit design, and both use low voltage regulated power supplies so that AC line fluctuations or interaction between the preamplifier and amplifier sections will have no effect on audio performance. In the amplifier section, the output circuit is fully complementary symmetry—unusual for an amplifier in this power class—and the bias supply thermally tracks the output transistors. Thus the amplifier is void of any notch distortion—that type of distortion which many believe is the source of "transistor sound".

At turn-on and turn-off, the SCA-50 incorporates an all solid state transient thump suppression circuit. Protection for the amplifier is extensive, too. In addition to the line fuse, protection includes four fuses at the power supply output, current limiting, and a thermal breaker to prevent damage from high temperature.

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Coles Road, Box 88, Blackwood, New Jersey 08012

In Canada write: Dynaco of Canada, Ltd., Montreal, H4T 1S9, Quebec

