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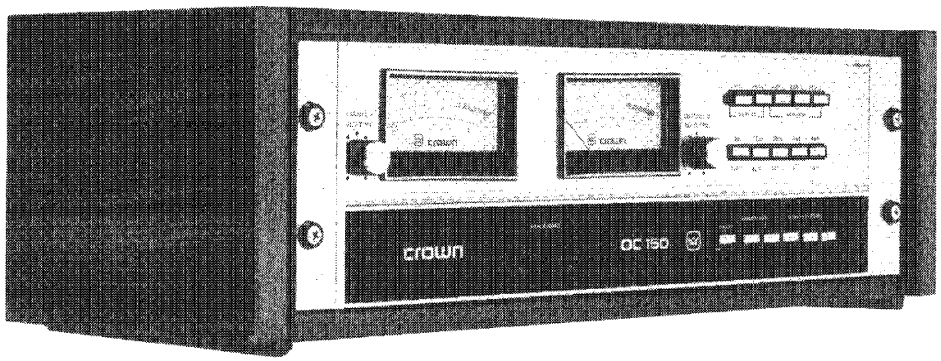


OC-150
stereo output control center

The Crown OC-150 supplies a number of useful system functions selected to provide increased system flexibility for the sophisticated audio user. These functions include output monitoring capabilities supplied by two 3½" meters, speaker switching for 3 sets of speakers, and two variable-pad headphone jacks. The total combination of functions can be used in numerous applications.

The meters, to begin with, can be used in either of two measuring modes, in any of five full-scale ranges. The more common meter action shows average signal levels, and roughly corresponds to the action of a studio VU meter. The second type of meter action, the peak-catching mode, detects and stores signal peaks electronically so that the meter action can respond to actual peaks and does not suffer from inaccuracy due to ballistic limitations. In other terms, since meter movements are not fast enough to follow program peaks accurately, the peaks are stored to allow the meter time to respond accurately. This results in an accurate reading of the rms equivalent of the true program peaks. As a result, it is possible for the user to determine system clipping levels with considerable accuracy by simply driving the system at high enough levels to cause clipping and noting the maximum voltage indicated by the meters. Consistent repetition of any peak level is a good indication that the system is clipping at that point. The hold time in the peak catching mode is adjustable from 600 milliseconds to infinity. With the hold time set at its maximum value, the highest peak level in a given passage will register and remain on the meter, allowing comparison of the demands placed on the system by different sources or pieces of music. The full-scale voltage sensitivity of the meter is variable from 1.4 volts to 140 volts.

Speaker-switching can be done at the main amplifier output. Three pairs of speakers can be switched in any single or parallel combination at the output of the amplifier connected to the #1 amplifier terminals. In addition a separate amplifier driving the #2 amplifier terminals can be used to drive the two head phone jacks on the front panel, as well as the electrostatic headphone terminal strip located on the back panel of the OC-150. Each of the two front panel jacks can be driven directly by the amplifier connected to the #2 amplifier position, or through either of two levels of attenuation which are switch-selectable. If only one amplifier is used for the entire

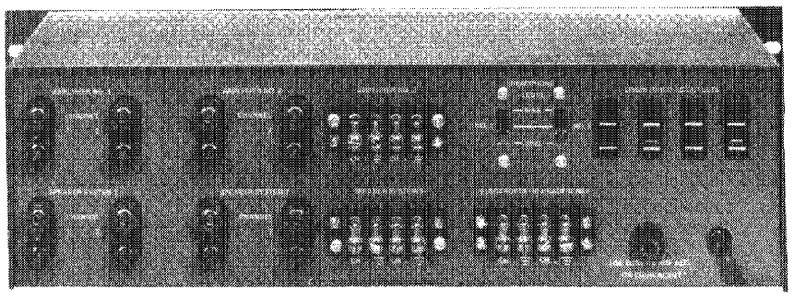
system, jumpers can be connected between the amplifier 1 and amplifier 2 terminals on the OC-150 to allow a single amplifier to drive both speakers and headphones. The front panel headphone jacks are powered selectively by pushbutton switches on the front panel.

The amplifier 3 terminals are for monitoring only. These might be used to monitor an amplifier driving rear channel speakers. In this arrangement, pushing the amplifier 3 button would connect the meters to the output of the rear channel amplifier to allow comparison of levels with the main amplifier output.

In summary, the OC-150 offers a variety of features intended to expand the usefulness and flexibility of the sophisticated component system.

FEATURES

OUTPUT METERING:	Stereo 3 1/2" meters with five ranges. Meters may be used in the average-level mode (similar to the VU action of a tape deck) or a peak-catch-and-hold mode. In the peak-catching mode the hold time on each meter is adjustable.
SPEAKER SWITCHING:	Three speaker systems may be switched singly or in parallel to the output of the main system amplifier.
AMPLIFIER MONITORING:	Three separate amplifier outputs, including the main system amplifier output, can be individually monitored. (Note: speaker switching is available only on the main amplifier output; headphone switching on the amplifier 2 output.)
HEADPHONE JACKS:	Two front panel jacks are available with three levels of attenuation. One position feeds the jack directly from the amplifier output. The other two positions provide different degrees of attenuation for more sensitive headphones. A rear panel connector strip provides facilities for using an electrostatic headphone power supply box. These are powered from the amplifier 2 output.
GROUNDING:	Can be used with any amplifier, including those which require isolated grounds between channels.
DIMENSIONS:	5 1/4" x 17" x 8 1/8"
WEIGHT:	10 lbs.



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