

INSTALLATION INSTRUCTIONS**ATR-100 CUE AMPLIFIER****GENERAL**

The ATR-100 Cue Amplifier Kit permits operator selection and monitoring of a tape channel or channels during editing operation. The audio can be heard on a speaker (supplied) or on earphones used with the phone jack mounted at the rear of the unit.

DESCRIPTION (See Figure 1)

The ATR-100 Cue Amplifier Kit consists of a cue amplifier assembly (part no. 4020462-01), a cable assembly (part no. 4051008-01), and associated hardware and mounting brackets. Kit 4260635-AA contains equipment for console mounting, while kit 4260635-AB contains parts for rack and portable case mounting.

THEORY OF OPERATION (See Figure 2)

Audio signals from the ATR-100 enter the isolation network on the channel 1 or channel 2 audio lines. The isolation network allows a portion of each audio channel to be routed to the 1 and 2 position of the CHANNEL switch without having crosstalk between the channels. One of three outputs from the isolation network is selected at the CHANNEL switch and routed to the LEVEL control. This signal is fed through the audio amplifier to a speaker or a phone jack. When the headset is utilized the speaker input is automatically disconnected.

INSTALLATION

The ATR-100 cue amplifier kit installation instructions will be divided into two procedures. The first will be instructions on installing the cue amplifier into a portable or rack mounting. The second will cover installation of the cue amplifier in a console.

Portable or Rack Mounting of Cue Amplifier

To install the cue amplifier in a portable or rack-configured ATR-100 proceed as follows:

1. Insure kit number is 4010319-AB.