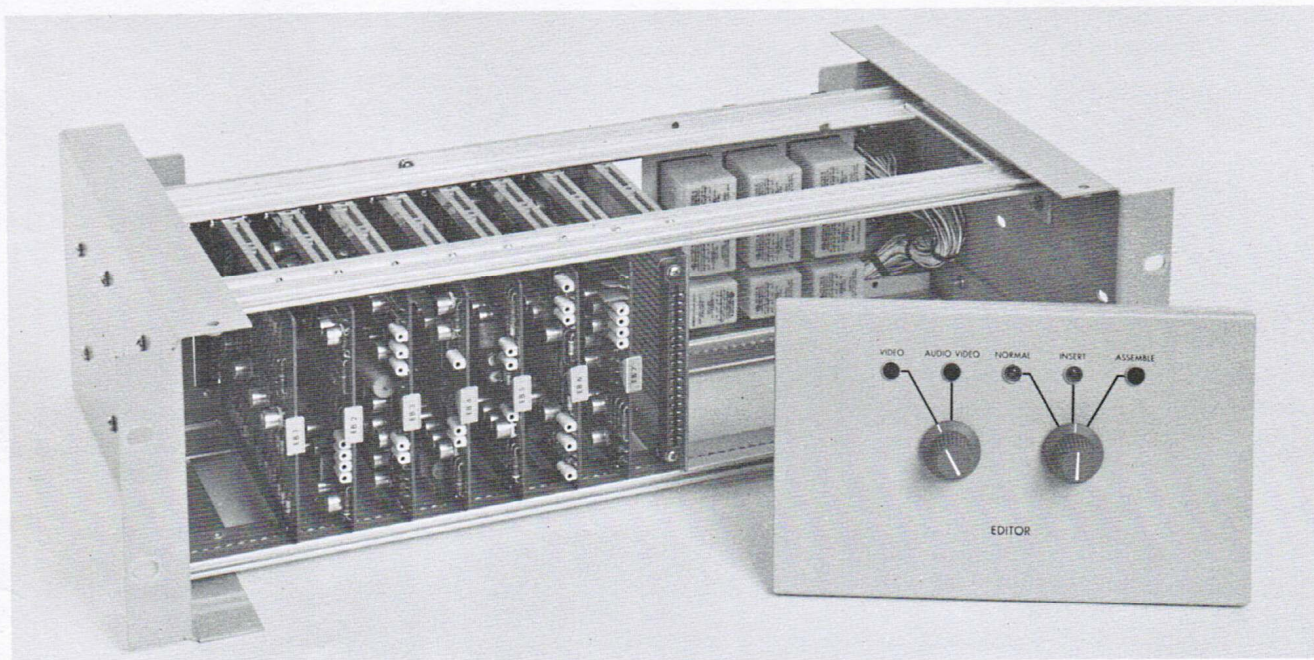


AMPEX **ELECTRONIC EDITOR**

Models Mark II and Mark III

- *Push-button tape editing at two speeds* • *Synchronous audio splices*
- *Can be used to edit color tapes* • *Fully compatible with Editec**
- *Operates on any world line standard* • *Plus many other features to make electronic editing even faster and more flexible*

THE NEW AMPEX ELECTRONIC EDITORS add even greater flexibility and convenience to the ease and tape saving features of push-button editing. Now it's even simpler to edit your pre-recorded programs without cutting your tape or to compile a continuous recorded program from separate scenes or signal sources without physical tape splicing. Program transitions are instantaneous with no discontinuities in the reproduced image.



Mark III Electronic Editor. Besides the regular features of the Mark II Editor, the Mark III offers remote control of all operating modes and interlocking controls.

The Mark II and Mark III editors cover all the uses of the original Mark I:

For Pre-Recorded Tapes

- Push-button editing of any portion of the recorded tape while it is in motion without cutting the tape.
- Viewing both old and new sections on the monitor during actual editing operation.

You can insert new commercials, production changes, correct production errors and insert new scenes.

For Original Tapes

- Assembling a tape program scene by scene without physical splicing.
- Watching the entire new tape on the monitor during production.

You can have "stop and go" recording, single camera production, squeeze action or unjointed animation sequences, programs from all sources without restriction as to time or location, live, tape, slide, film or remote sources.

In addition, the new models offer:

- 7½ and 15 inches per second two speed operation.
- Operation on any world line standard.
- Synchronous audio splices; now you can insert or assemble scenes with the audio splices synchronous with the video or replace or add new video while retaining the original audio track.
- Addition of Electronic Switching Kit for superior splicing stability and to permit electronic editing of NTSC color tapes.
- Full compatibility with Ampex Editec Editing Time Element Control System.
- Complete operational facilities even when VTR is remote controlled.

Mark III has these additional features

- Remote control of all operating modes.
- Interlocking foolproof controls; the unit switches automatically to Normal if other system controls are incorrectly set.

MAXIMUM PROGRAM QUALITY

Performance of any Electronic Editor answers all requirements. Tapes made with an Editor are interchangeable and may be played on any VTR of the same line standard. Inserts or additions can be made to any previously recorded tape as long as the tape can be played on a VTR system with the Intersync* in the Vertical mode. The recorder, of course, can be started and stopped in a completely random manner during any part of the editing process. The minimum insert duration is approximately $\frac{1}{2}$ second.

The Mark II Electronic Editor may be added to VR-1000 and VR-1100 series Videotape* television recorders equipped with the Ampex Intersync TV signal synchronizer. The Mark III is constructed for the VR-2000 series. The installation kit consists of an all-transistorized 5 $\frac{1}{4}$ -inch chassis, two small R-F Switch units to gate video record and erase current, replacement full-track erase assembly and cabling. The erase unit is a special erase head in which the control track area is separated and shielded from the video erase portion. Azimuth is optimized to provide outstanding two speed operation.

A Mark II conversion kit is available to convert older Mark I models to the capabilities of the New Mark II. The erase head in the Mark I, however, is not changed. The kits consist of one printed circuit board and a control switch.

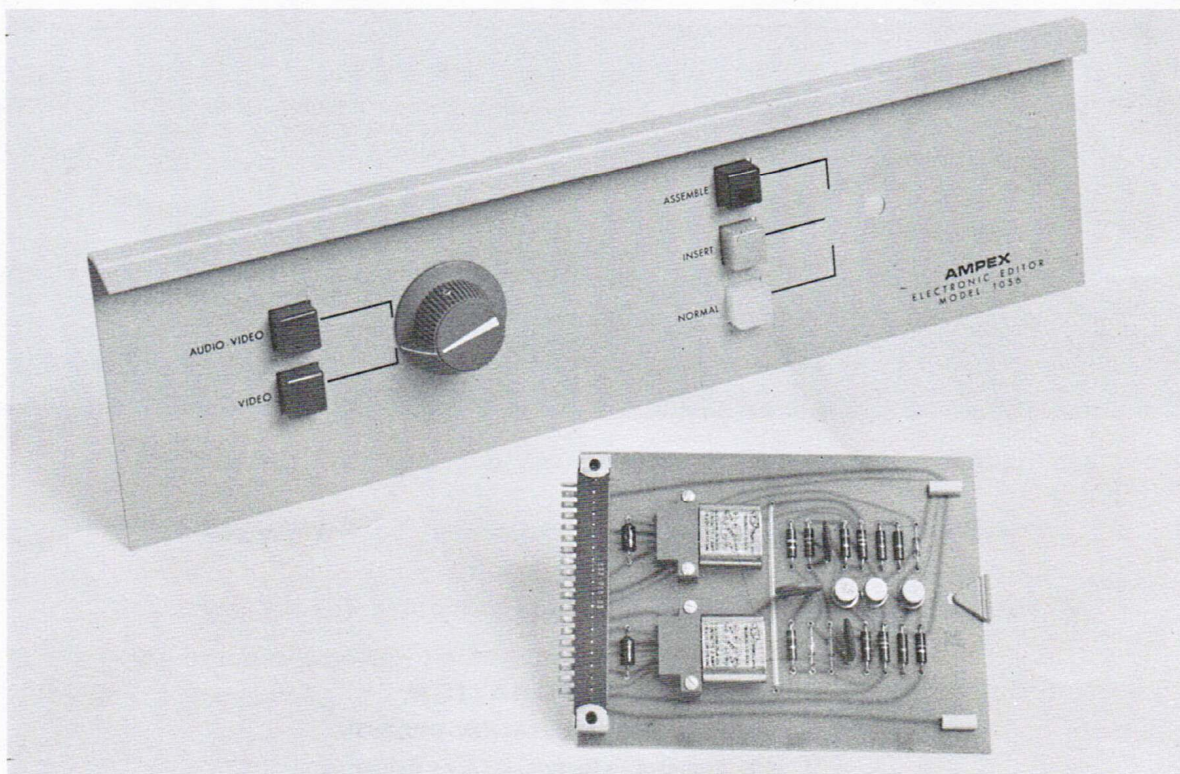
The Electronic Editor may be installed in the field and requires only minor modification of the

video tape system. After installation, no special setup procedure is required for the VTR system. The Electronic Editor is easily adapted for use with an external programming device for automatic control of the editing and previewing processes.

SIMPLE OPERATION

The Ampex Electronic Editor provides five operational modes at each of the two speeds:

1. **Normal.** Editing unit inoperative, normal VTR position.
2. **Insert.** For recording of insert(s) in existing pre-recorded program. Length of insert may vary from less than one second to as much as one full hour. In this mode, only the audio/video portion of the previous recording is erased. The pre-recorded control track is retained for added playback stability.
3. **Assemble.** For electronic "splicing" at the end of a pre-recorded tape of two or more programs. In the "Assemble" mode, full track erase is employed and new control track is recorded with the added program portion.
4. **Audio-Video.** To permit the inserted "Assemble" scene to include video and audio with the audio splice synchronous with the video.
5. **Video.** For replacement or addition of new video while retaining the original audio.



Mark II Conversion Kit. New printed circuit board and control panel enable owners of the original Mark I Editor to enjoy the additional advantages of the new Mark II Editor.

To operate the Editor, select the desired mode (Insert or Assemble), thread the tape to be edited on the recorder and place the VTR in the Play mode. At the "cue" for insertion (as seen on the picture monitor or otherwise indicated) place the recorder in the Record mode. Erase current is then gated on automatically so that erasure starts precisely in a Vertical Interval. Then when this same Vertical Interval passes the Record head drum, the record R-F signal is gated on. At the conclusion of the insert

or added portion, operate the Stop button. This causes the erase and record currents to be gated off in a similar fashion so as to provide the electronic equivalent of a perfect butt splice. The new video signal occupies precisely the same portion of the tape that was cleared by the erase head. The actual instantaneous transition from playback to record or one program scene to the next occurs during vertical blanking, immediately following the vertical sync interval, and causes no visible discontinuity.

ORDERING INFORMATION

| Description | Catalog No. |
|--|-------------|
| Mark II Electronic Editor, Model 1056 For VR-1000 and VR-1100 Series recorders | 1805097 |
| Mark II Conversion Kit To convert Model 1055 Electronic Editors to Model 1056 | 1809430 |
| Mark III, Model 1058 For VR-2000 series recorders | 1805098 |



AMPEX CORPORATION

VIDEO / INSTRUMENTATION DIVISION

401 Broadway • Redwood City • California • 94063