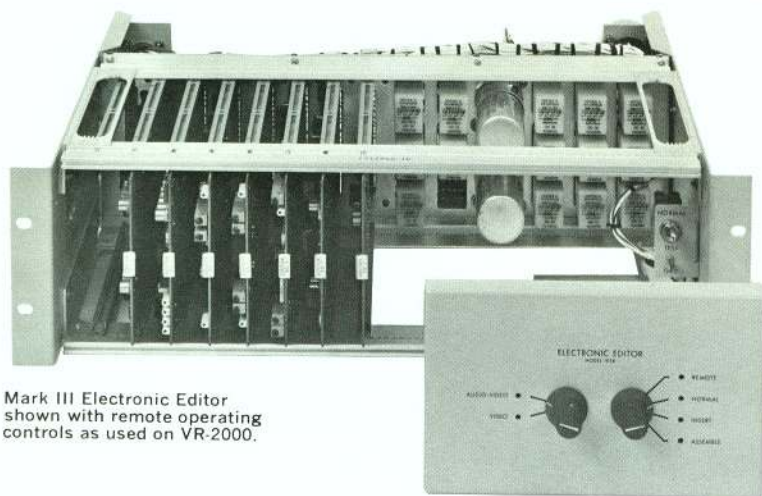# Mark II/Mark III Electronic Editors

make undetectable electronic splices on videotape ... for editing and teleproduction on all Ampex broadcast VTR's, color or monochrome ... can be used with or without Editec* program unit
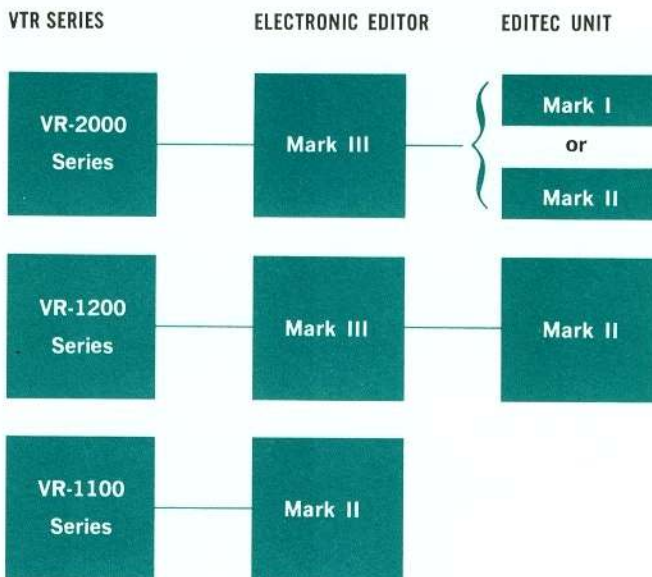
Mark III Electronic Editor shown with remote operating controls as used on VR-2000.

Features

- Pushbutton editing, color or monochrome, at two recorder tape speeds
- Permits synchronous audio splices on inserts or new scenes ... video with original audio *or* new audio
- Allows editing of prerecorded tapes while tape is in motion ... with both old and new sections "on monitor"
- Allows assembly of original tapes on a scene-by-scene basis
- Compatible with Ampex Mark I or Mark II Editec units for precise, teleproduction editing
- Interlocking Editor controls automatically switch VTR to "normal" if other VTR functions are incorrectly set
- Operates on any world line standard

Description

With the Ampex VTR equipped with a Mark II or Mark III Electronic Editor, you can insert commercials or new scenes in previously recorded videotapes. Or, you can correct production errors with undetectable, electronically spliced inserts. The Editor is also useful in combining program material to make original tapes. For example, you can assemble a collection of "live" shots, prerecorded sequences and cuts from film or slides. For ultimate control of the Mark III Electronic Editor, add either the Mark I or Mark II Editec program unit to the VTR and you can edit with extreme precision and control. Diagramed above and right are various combinations of Editors and Editec units that can be used on Ampex VTR's.

VTR SERIES	ELECTRONIC EDITOR	EDITEC UNIT
VR-2000 Series	Mark III	Mark I or Mark II
VR-1200 Series	Mark III	Mark II
VR-1100 Series	Mark II	

Both the Mark II and Mark III Electronic Editors are compact, all solid-state units that rack mount inside the VTR. They are only 5½" high — and may be either factory or field installed (field installation kits include all necessary VTR modifications needed for electronic editing). The Mark III Editor can be supplied with unit-mounted or remote-mounting operating controls. If the Editor is installed in a VTR that also has Editec, Editor controls are supplied as an integral part of the Editec control panel. The Mark II Editor has its controls mounted on the Editor front panel. These controls may be duplicated on the VTR top plate (or other remote location) via an optional remote control accessory.

*T.M. AMPEX

Complete systems for closed-circuit and broadcast television

Operation

To operate the Electronic Editor, select the desired mode (INSERT or ASSEMBLE). Thread the tape to be edited on the recorder and start the VTR in PLAY mode. At the appropriate cue for an insertion (as seen on the picture monitor or otherwise indicated), press the VTR's RECORD button. Erase current is then gated automatically so erasing action begins in a vertical interval. When this same vertical interval passes the VTR record head drum, the record RF signal is gated "on." At the conclusion of the insert or new segment, press

the VTR's STOP button. This causes the erase and record currents to be turned "off"— and leaves the new recording joined to the old recording in the electronic equivalent of a perfect butt splice. The new video signal occupies precisely the same portion of tape that was cleared by the erase head. The actual, instantaneous transition from playback to record (or from one program scene to the next) occurs during vertical blanking, immediately following the vertical sync interval, and causes no visible discontinuity.
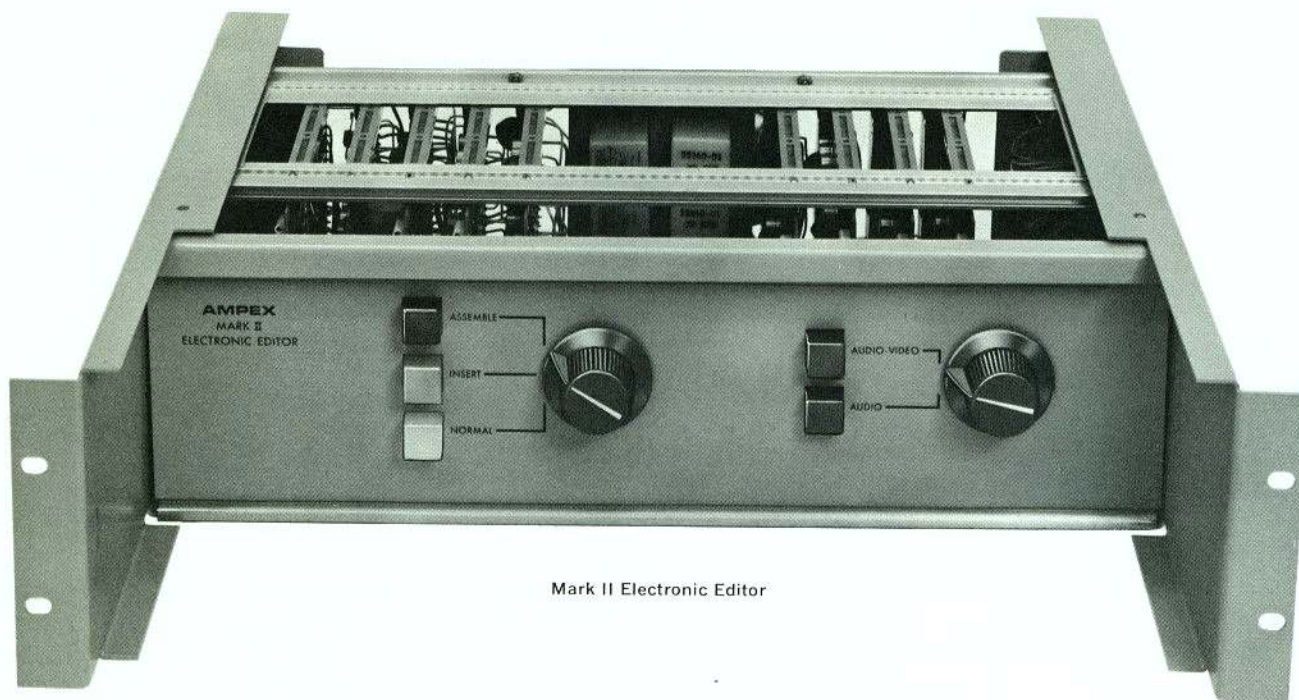
Mark II Electronic Editor

Controls

Normal

In this mode, the Electronic Editor is inoperative. All functions of the VTR are normal.

Insert

In this mode, an insertion may be made in an existing prerecorded program. Length of the insert may be from less than one second to as much as a full hour. Only the audio/video portion of the previous recording is erased during this mode; the prerecorded (original) control track is retained for maximum stability during playback.

Assemble

This mode permits electronic splicing at the end of a prerecorded

tape — of two or more additional sequences. In ASSEMBLE, full track erase is employed and a new control track is recorded with the new program material.

Audio-Video

This position on the selector switch permits INSERTS or ASSEMBLE sequences to include new video and new audio, with audio splices synchronous with new video.

Video

This position on the selector switch permits replacement or addition of new video, while retaining the original audio.

Ordering Information*

Editor Model	For VTR Series	Catalog Number
Mark III	VR-2000 and VR-1200	1805098
Mark II	VR-1100	1805097

* To order, specify both VTR number **and** catalog number.

AMPEX