

Editing Control Unit
PVE-500



SONY[®]

Following the growing requirements of video as a medium of communication, the demands for A/B-roll video editing have very much increased accordingly.

To meet this demand, Sony introduces the PVE-500, an ideal A/B roll edit controller for Professional video editing applications.

Based on the RM-450's two VTR capability, the PVE-500 adds a third VTR control, versatile switcher interface, parallel/serial audio mixer interface and EDL memory.

The PVE-500 together with Sony VTRs, switchers and audio mixers, provides effective solutions for straight-forward, powerful video editing system.



Front Panel



Rear Panel

Main Features

Three VTR Control

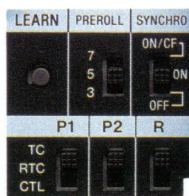
The PVE-500 provides three RS-422 9-pin remote control interfaces for two players and one recorder VTR. The basic VTR functions such as PLAY, STILL, FF, REW, STOP, STANDBY OFF, EJECT, REC and EDIT are all remotely controlled from the PVE-500 panel. A display counter is available for each VTR, providing position and editing data.

Dynamic Motion Control

The PVE-500 features variable speed control over VTRs equipped with Dynamic Tracking™ enabling noiseless editing of slow motion and reverse picture material.

Time Code Based Editing

TC (Time Code), CTL (Control Track Signal) and RTC (Relative Time Code) are accepted as editing references. Any of these can be set separately for each VTR.



Editing Functions

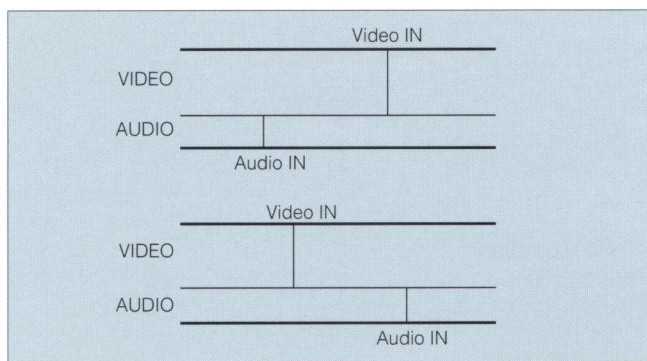
The PVE-500 enables Assemble and Insert (V, A1, A2) edit modes and provides editing functions such as IN-POINT/OUT-POINT entry, PREVIEW, TRIM, AUTO EDIT/END, REVIEW/JUMP, GO TO, AUDIO SPLIT, LAST EDIT and MULTI EDIT.

99 Edit Memory Capacity

Editing data for 99 edits can be stored in the built-in EDL memory system. It is possible to execute not only a single edit but continuous automatic editing of a pre-defined number of edits.

Audio Split Edit

The PVE-500 provides an AUDIO SPLIT capability, which allows the audio edit in-point to be set separately from the video edit in-point. This function allows effective editing of sound effects or background music.



Switcher Interface

Sophisticated A/B-roll picture transitions, using a video switcher, can be executed via the 9-pin RS-422 connector provided for serial switcher control. Basic switcher functions such as crosspoint assignment and transition duration/start can be controlled from the PVE-500.

DFS-500 Snapshot Control

When connected to the DFS-500 DME/switcher, the Snapshot memory number in the DFS-500 can be stored and recalled by the Edit Number.

Audio Mixer Interface

The PVE-500 can remotely control an audio mixer allowing audio-follow-video editing. Both serial and parallel mixer interfaces are provided and can be set by selecting the serial/parallel switch by the connector. Basic mixer functions such as transition duration/start are controllable.

Pinch on Delay Time Learning Capability

The PVE-500 detects the differences between the pinch on delay times of the player and recorder and store them in the memory using the LEARN function. This enables the PVE-500 to change the play command timing of one of VTRs to adjust the timing of the edit IN-point automatically.

Synchronized Operation

The PVE-500 features a reference video (REF. VIDEO) input connector which accepts external reference video signal for synchronized operation with other equipments in a system.

RS-232C Interface

For Save/Load of the EDL data onto a floppy disk, an RS-232C interface port is provided for the interface to a compatible personal computer.

GPI Output

The GPI output enables basic control of peripheral equipment such as audio tape recorders and title generators which cannot be directly interfaced with the PVE-500.

Ease of Operation

The PVE-500 has two search dials similar to the popular RM-440/450 controllers, which enable convenient control of VTRs. The dials are ergonomically designed for user-friendly operation. Logical layout of the function keys also contributes to the ease of operation.

Comprehensive Error Message

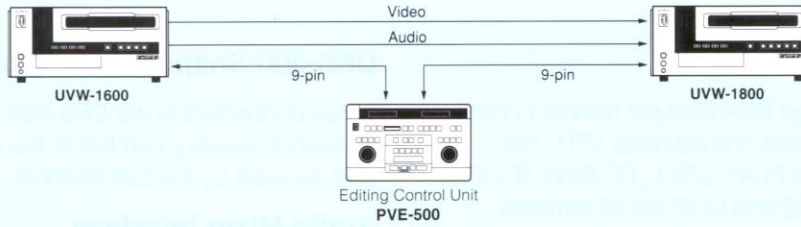
The PVE-500 indicates editing error message on the LED counter display along with a warning beep to point out any operational error.

Self Diagnostics

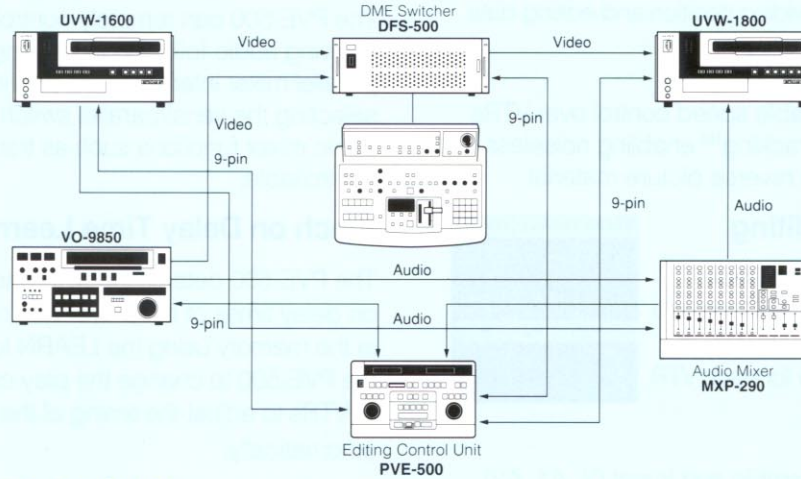
The PVE-500 has a built-in self-diagnostic function for trouble shooting and easy maintenance.

System Connections

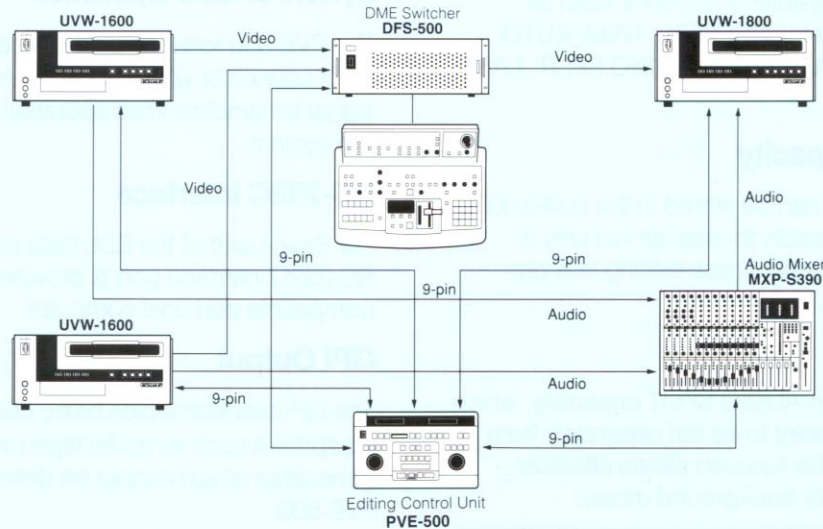
1. Cuts Only System



2. Multi-VTR-Format A/B-Roll Editing System



3. Component A/B-Roll Editing System



Specifications

Power requirements : AC 100/120/220 to 240V, -10%, +10%
47.5 to 63Hz
Power consumption : 11W max.
Weight : Approx. 3.2 Kg (7 lb 8 oz)
Dimensions : Approx. 390 (W) x 94 (H) x 265 (D) mm
(15 3/8 x 3 3/4 x 10 1/2 inches)
Operating temperature : 5 to 40° C (41 to 104° F)
Storage temperature : -20 to 60° C (-4 to 140° F)
Editing accuracy : ± 0 frame with time code
± 1 frame with CTL
Edit reference : Control Track Signal,
SMPTE/EBU Time Code

GPI OUT : Active low — low level 0 to 0.5V
high level 3.5 to 5V
REF VIDEO IN : 0.5 to 2 Vp-p, 75 Ω, unbalanced.

SUPPLIED ACCESSORIES :

AC power cord (1)
Operation manual (1)

OPTIONAL ACCESSORIES :

RCC-5AA Audio mixer control cable
RCC-5/10/30G 9-pin remote control cable
RMM-500 Rack mount metal
(for 19-inch EIA standard)

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