

# SONY®

## Editing Control Unit **RM-450A**



The Sony RM-450A Editing Control Unit is designed to make two-machine editing an easy and efficient operation.

This unit has 9-pin remote control interface connectors (RS-422 serial interface) and can be directly connected to 9-pin equipped VTRs.

It includes a keyboard layout which minimizes key strokes, a JOG/SHUTTLE DIAL on both the player side and the recorder side for convenient picture search operations, Time Code/CTL/Relative Time Code editing modes for easy and accurate editing, an in-point auto counter reset function for convenient editing, and many other features which simplify editing.

## Feature

### 9-PIN REMOTE INTERFACE

The RM-450A provides 9-pin remote control interface connectors (RS-422 serial interface) on both the player side and the recorder side. It can be connected to a variety of VTRs, including U-matic, Betacam SP, DVCAM™, and other 9-pin equipped VTRs.

### TIME CODE/CTL/RELATIVE TIME CODE EDITING

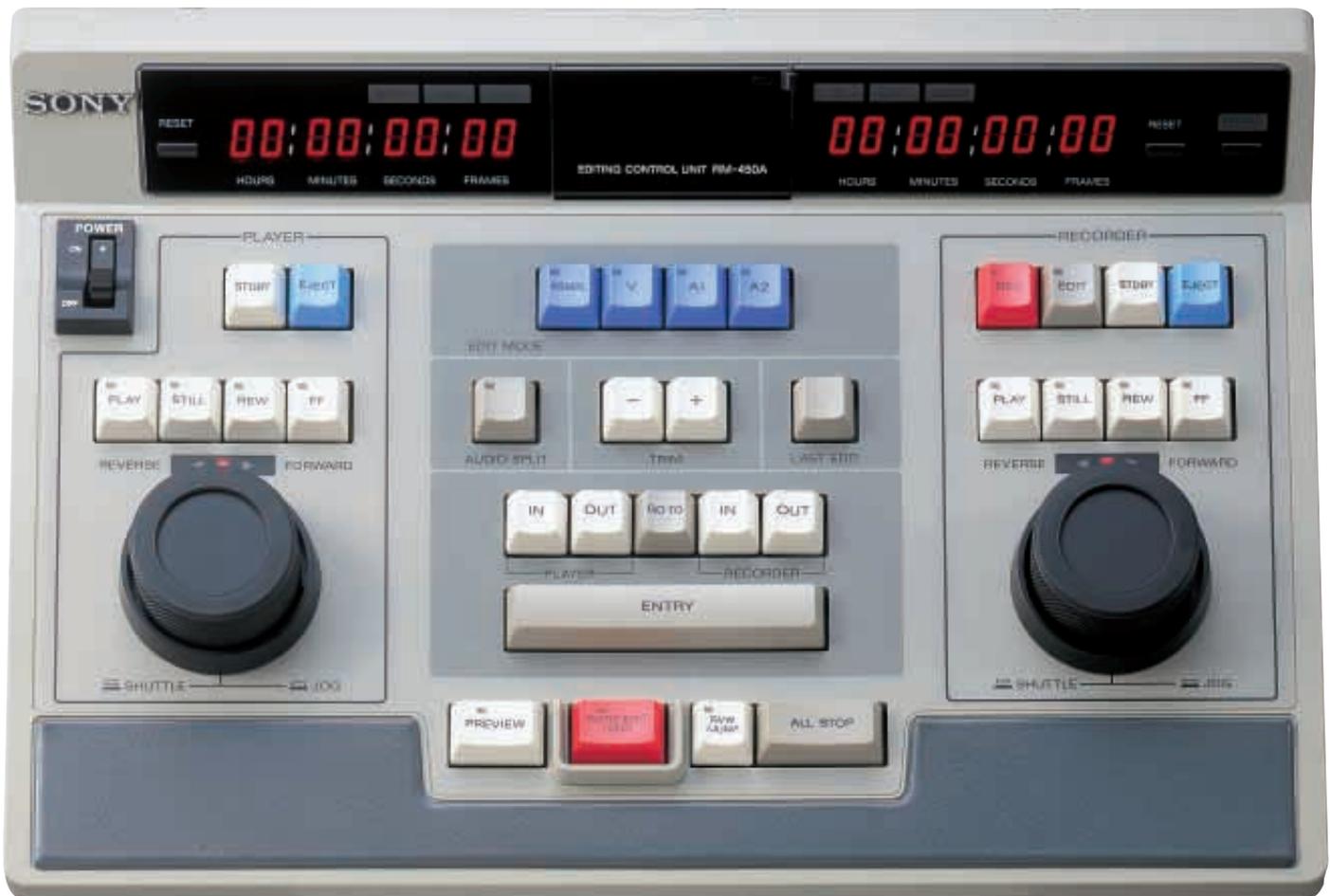
When a 9-pin equipped VTR is connected, the RM-450A allows not only CTL-based editing but also Time Code based editing. In addition, the RM-450A offer a Relative Time Code (RTC) editing mode, in which time code is used as an edit reference and, as with CTL editing time

code progress is displayed on the LED counter. This provides the feel of CTL editing with the precision of time code editing. The AUTO COUNTER RESET function is also provided which automatically resets the first designated editing to "0:00:00:00".

### EDITING FUNCTIONS

The RM-450A also offers Assemble and Insert (V/A1/A2) edit modes, and offers editing functions such as editing IN-POINT/OUT-POINT ENTRY, PREVIEW, TRIM, AUTO-EDIT/END, REVIEW/JUMP, GO TO, AUDIO SPLIT, and LAST EDIT.

### ●FRONT



## EASY OPERATION

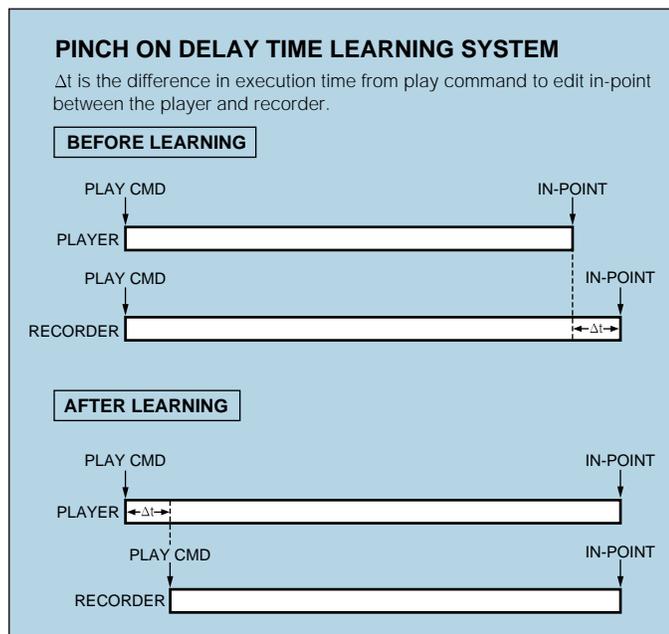
The RM-450A has JOG/SHUTTLE dials on both the player side and the recorder side, and the function keys are laid out for easy operation to meet user demands. The RM-450A can remotely control basic VTR functions such as PLAY, STILL, FF, REW, STANDBY, EJECT, REC, and EDIT. (The REC and EDIT keys are for the recording operations only.)

## SYNCHRONIZED CAPABILITY

The RM-450A can perform precise synchronized editing. The level of precision can be selected via the SYNCHRONIZE GRADE switch.

## PINCH ON DELAY TIME LEARNING CAPABILITY

The RM-450A detects differences between the pinch on delay times of the player and recorder, and stores these in memory using the LEARN function. The RM-450A can automatically change the play command timing of one of the VTRs to adjust the timing of the edit in-points.



## AUDIO SPLIT EDITING

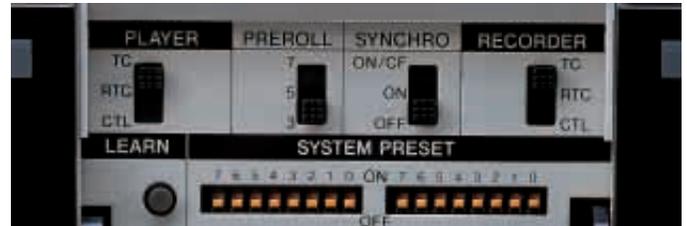
The RM-450A offers an AUDIO SPLIT function, which allows the audio edit in-point to be set separately from the video edit in-point. Therefore, the RM-450A can effectively edit sound and music.

## EASY MODE SETTING

Mode setting is greatly simplified when using the convenient preset switches on the front panel:

- \* CTL/RTC/TC
- \* PREROLL TIME: 3/5/7/10 sec
- \* EDIT TIMING: AUTO/-1F ~ -7F
- \* SIGNAL STANDARD: 30F/25F
- \* CUE OUT SIGNAL TIMING: -7 SEC ~ 7 SEC FROM IN-POINT
- \* BEEP SOUND: ON/OFF
- \* SYNCHRONIZED VTR: PLAYER/RECORDER
- \* SYNCHRONIZE GRADE: 0F/±1F ~
- \* EDIT ENABLE WITHOUT SERVO LOCK: ON/OFF
- \* CTL DISPLAY: 24H/±12H
- \* AUTO COUNTER RESET: ON/OFF

## ●Preset Switch Panel



## ERROR MESSAGE

In the event of the problem, there is a warning sound and the word "Error" appears with error number on the LED counter of the RM-450A. The error number is explained in the supplied error message chart.

## CUE SIGNAL OUT

The RM-450A outputs a cue pulse for start trigger equipped external equipment.

## SELF-DIAGNOSTICS

The RM-450A has a built-in self-diagnostics function to improve serviceability and simplify maintenance.

## ●REAR



## SPECIFICATIONS

Power Requirement: AC 108-132V, 48-63Hz (for NTSC area )  
 AC 198-264V, 48-63Hz (for PAL area)  
 Power Consumption: 11W  
 Weight: Approx. 3.1 kg (6 lb 13 oz)  
 Dimensions: 390 (W) x 93 (W) x 265 (D) mm  
 (15 <sup>3</sup>/<sub>8</sub> x 3 <sup>3</sup>/<sub>4</sub> x 10 <sup>1</sup>/<sub>2</sub>" )  
 Operating Temperature: 0°C~40°C (32°F~104°F)  
 Storage Temperature: -20°C~60°C (-4°F~140°F)  
 Edit Reference: Control track signal, SMPTE/EBU  
 LTC (Longitudinal Time code) , VITC  
 (Vertical Interval Time Code)

### REF VIDEO IN

Reference Video Input: 0.5Vp-p~2.0Vp-p, negative, 75 ohms, unbalanced

### CUE OUT

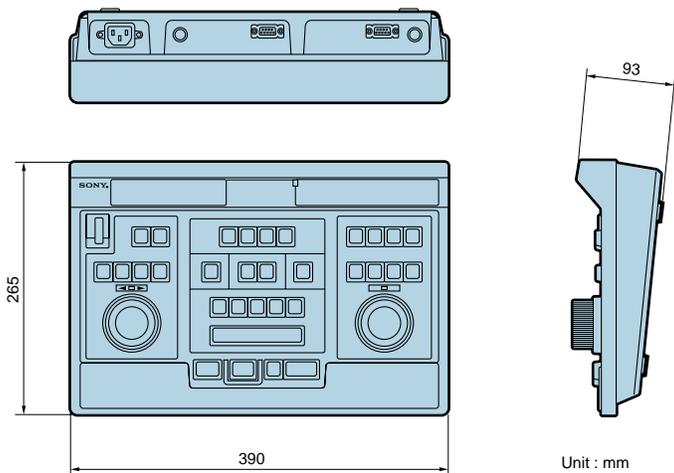
Cue Pulse Signal: Active Low: low level 0V ~ 0.5V  
 high level 3.5V ~ 5.0V

Supplied Accessories: AC power cord (1)  
 Error message chart (1)  
 Operation manual (1)

Optional Accessories: RCC-5G/10G/30G 9-pin Remote Control Cable  
 RMM-450 Rack Mount Kit ( for 19-inch EIA )

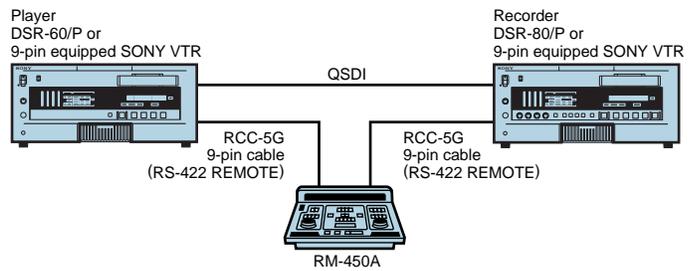
Feature, design specifications subject to change without notice. U-matic, Betacam SP, DVCAM and Sony are trademarks of Sony.

### RM-450A Dimension

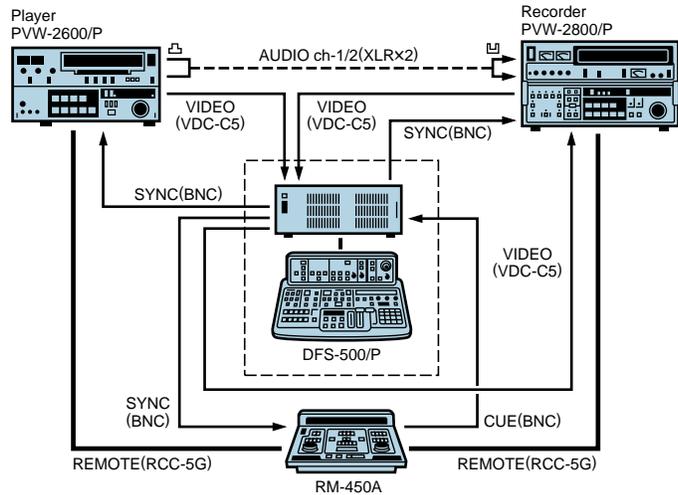


## SYSTEM CONNECTIONS

### Example (1) Two 9-pin Equipped VTRs



### Example (2) Connection with DFS-500/P DME Switcher



Distributed by

Sony Corporation

Printed in Japan ©SONY