

PROTECH®

System Selector ***HS-1000/C***

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.



Attention on safety

Please guard.

The case where it is used by professional Tec commodity common optional AC is contained.

It explains the guard without fail to prevent the damage to harm and the property to the person and other people who use it beforehand as follows.

- It divides in the following table, and it explains the level of harm and the damage caused when a usage wrong as the content of the display is disregarded is done.


	Warning	The column of this display is "The possibility of owing the death or the serious injury, etc. is assumed" content.
	Attention	The column of this display is "The possibility that only the possibility or the physical loss or damage in which the trouble is owed occurs is assumed" content.

- It divides by the following picture display, and it explains the kind of the guarded content. (The following are one picture display example.)

	Such a picture display is an attentive "Attention rousing" content that wants to hold.
	Such a picture display is "Prohibition" content that cannot be done.
	Such a picture display is "Compulsion" content executed without fail.






About the installation

 Warning

	It doesn't put it on an unstable place.		A heavy thing is not put on the power supply code.		It doesn't set it up in the water place.
Prohibition		Prohibition		Water place use prohibition	

About the processing in abnormal circumstances

 Warning

	When this machine is dropped or is damaged, the power on/off switch is cut.		When water etc. enter in this machine, the power on/off switch is cut.		When the foreign body enters in this machine, the power on/off switch is cut.
The power supply is pulled out.	The power supply is pulled out.	The power supply is pulled out.	The power supply code hurts, it exchanges it.		
	Smoke has risen, and when it is abnormal of hearing a strange smell and the sound etc. the power on/off switch is cut.				
The power supply is pulled out.	Compulsion				

Attention on safety

Please guard.

About use



Warning

 <p>Neither a container where water entered on this machine nor a small metallic thing are put.</p> <p>Prohibition</p>	 <p>The foreign body is not inserted, and not dropped from the opening of the equipment.</p> <p>Prohibition</p>	 <p>This machine is not remodeled.</p> <p>Resolution prohibition</p>
 <p>It doesn't use it in the water place.</p> <p>Water place use prohibition</p>	 <p>Neither the back cap, the cabinet nor the cover, etc. of this machine are removed.</p> <p>Resolution prohibition</p>	 <p>It is done to wet the equipment and watertight.</p> <p>Prohibition</p>

About use



Attention

About maintenance

 <p>A heavy thing is not put on this machine.</p> <p>Prohibition</p>	 <p>It doesn't take this machine.</p> <p>Prohibition</p>	 <p>When maintaining it, the switch is turned off for safety.</p> <p>The power supply is pulled out.</p>
 <p>When not using it, the power supply is pulled out for safety.</p> <p>The power supply is pulled out.</p>	 <p>The power supply is pulled out, and an external code is removed when moving.</p> <p>The power supply is pulled out.</p>	 <p>The consultation of an internal cleaning is : to the shop about once a year.</p> <p>Compulsion</p>

About after-sales service

Our product is a free repair guarantee of one year.
(I hope the carriage etc. in the customer's share.)

It does to a repair for a fee for the commodity that passes a free guaranteed term.

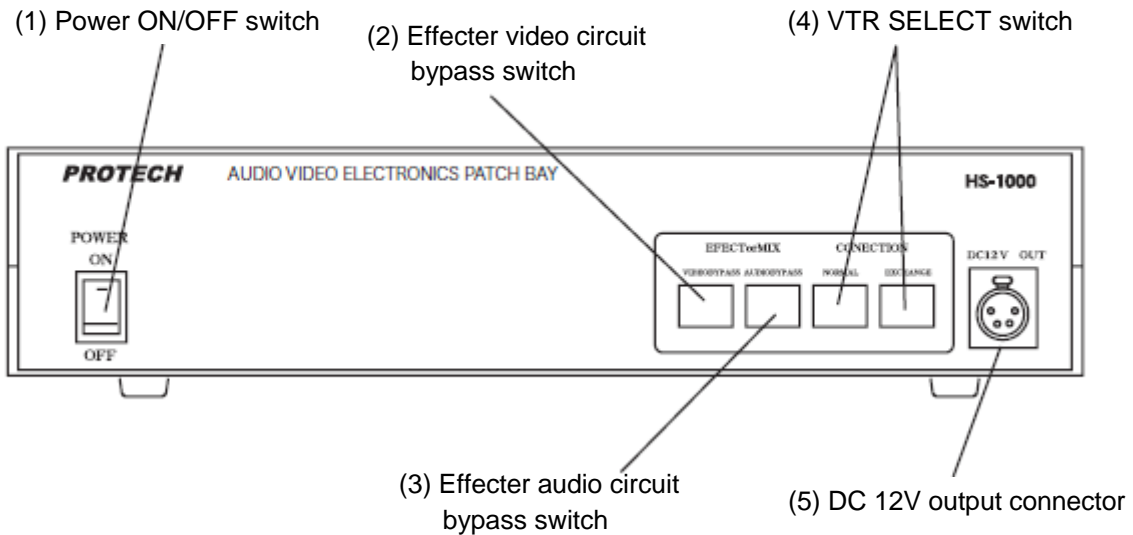
Please request the repair to the shop or our support center of purchase.

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Names and Functions of Parts

Front panel



(1) Power ON/OFF switch

(2) Bypass switch (video)

Connects output/input of DECK1 and DECK2 directly.

NORMAL: DECK1 IN and DECK2 OUT

EXCHANGE: DECK2 IN and DECK1 OUT

(3) Bypass switch (audio)

Connects output/input of DECK1 and DECK2 directly.

NORMAL: DECK1 IN and DECK2 OUT

EXCHANGE: DECK2 IN and DECK1 OUT

(4) -1 VTR SELECT switch (NORMAL)

DECK1: Transmitter, DECK2: Receiver

(4) -12VTR SELECT switch (EXCHANGE)

DECK2: Transmitter, DECK1: Receiver

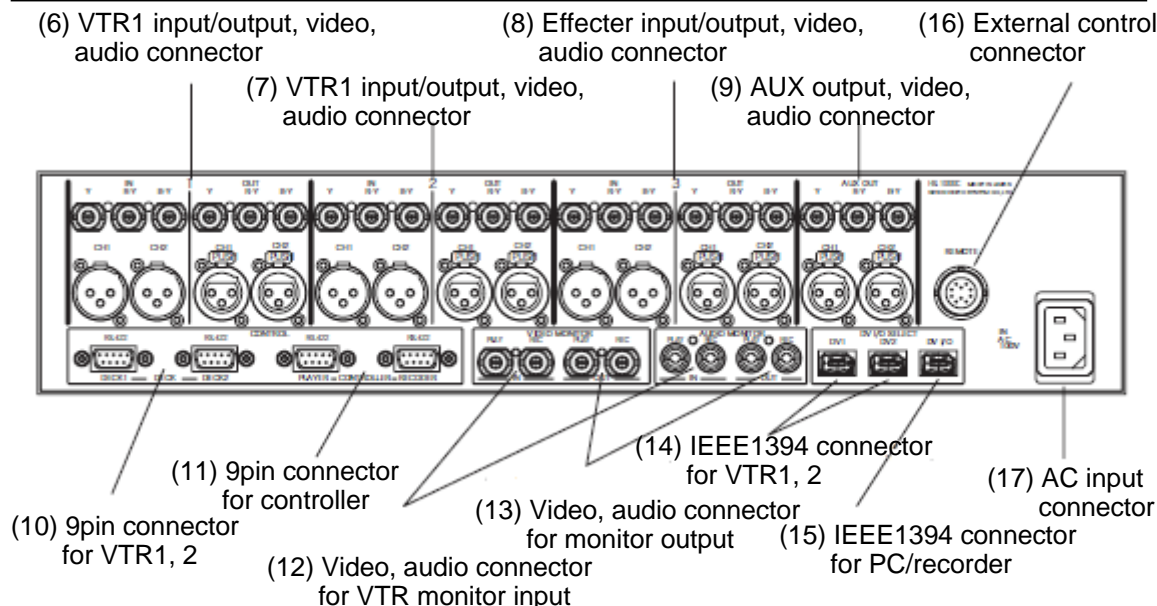
PLAY and REC of MONITOR, RS-422 are exchanged too.

(5) DC 12V output connector

Pin No.1: GND

Pin No.4: DC 12V

Rear panel



(6) VTR1 input/output, video, audio connector (1)

Connects with input/output, video, audio connector of VTR1.

(7) VTR2 input/output, video, audio connector (2)

Connects with input/output, video, audio connector of VTR2.

(8) Effector input/output, video, audio connector (3)

Connects with input/output, video, audio connector of Effector.

(9) AUX output, video, audio connector

Outputs VTR IN signal which is not output to to Effector (3) of VTR1, 2

(10) 9pin connector for VTR1, 2

Connects to VTR1, 2 with 9pin cable.

(11) 9pin connector for controller

Connects to controller, 2 with 9pin cable.

(12) Video, audio connector for VTR monitor input

Connects to monitor output of VTR1, 2 with BNC, RCA cables.

(13) Video, audio connector for VTR monitor output

Connects to monitor with BNC, RCA cables.

(14) IEEE1394 connector for VTR 1, 2

Connects to VTR1, 2 to change IEEE1394 of VTR.

(15) IEEE1394 connector for PC/recorder

Connects to PC or recorder with connector of changed IEEE1394 signal of VTR.

(16) External control connector

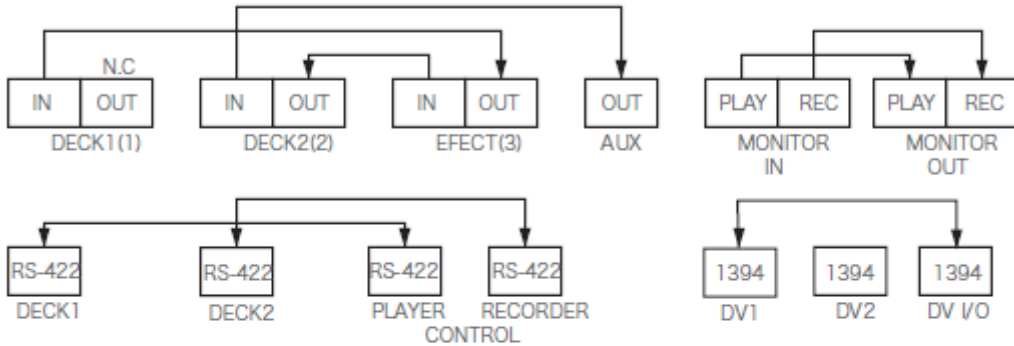
Connects to remocon unit (option: HS-RM1).

(17) AC input connector

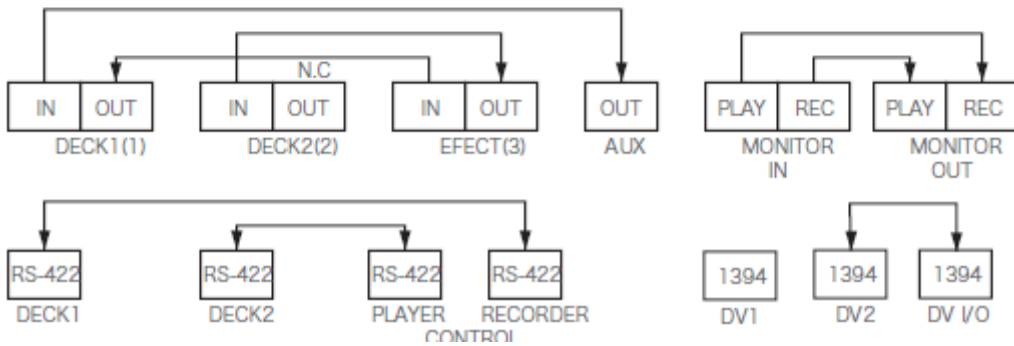
Connects supplied AC cable.

Mode Explanation

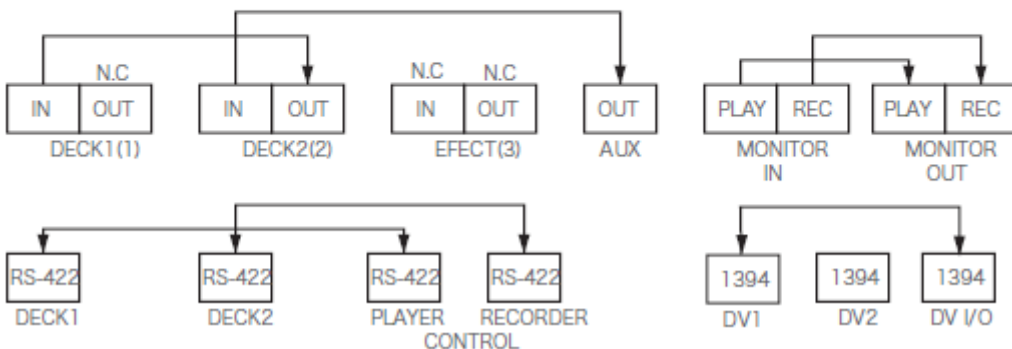
NORMAL Mode



EXCHANGE Mode

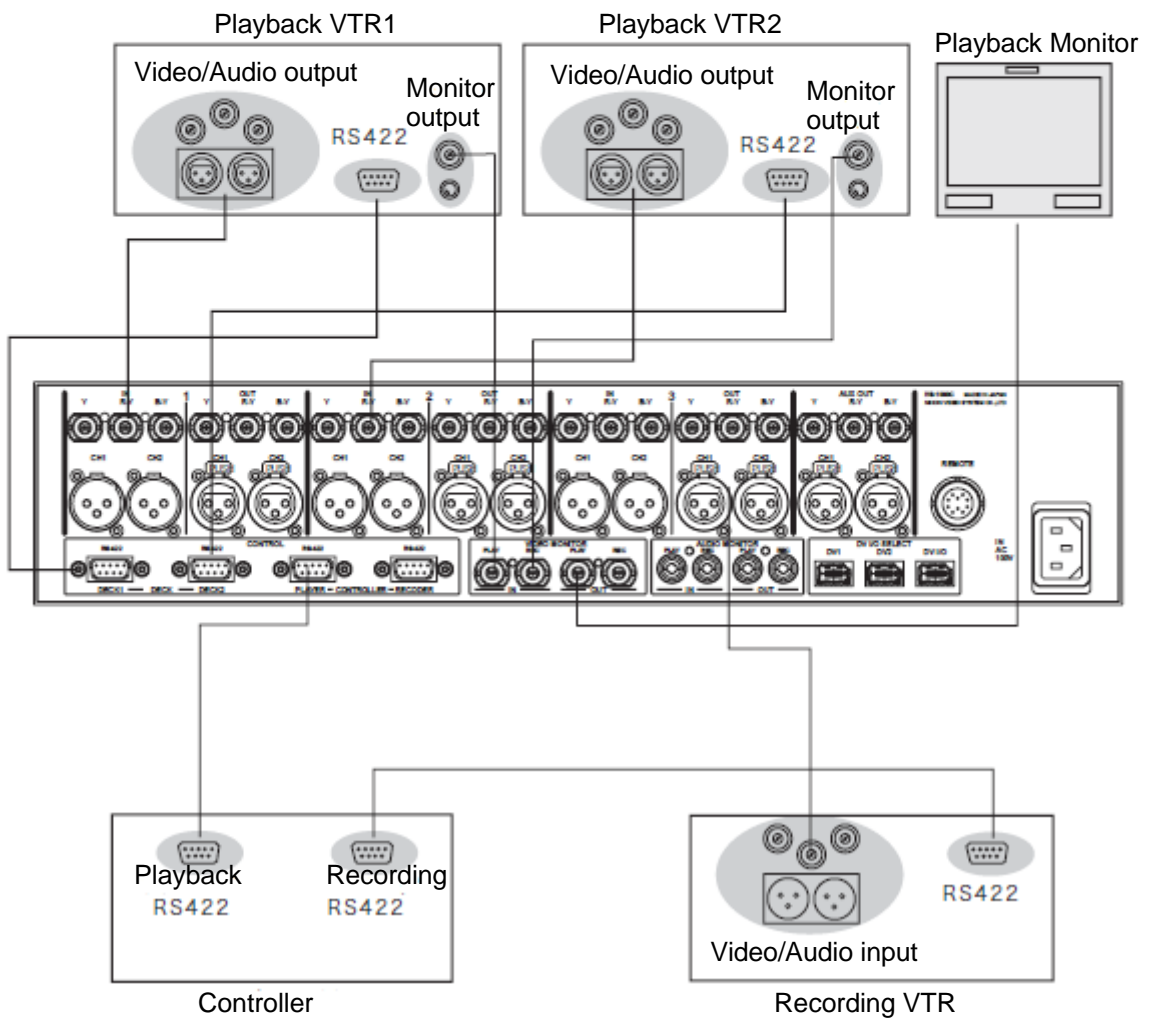
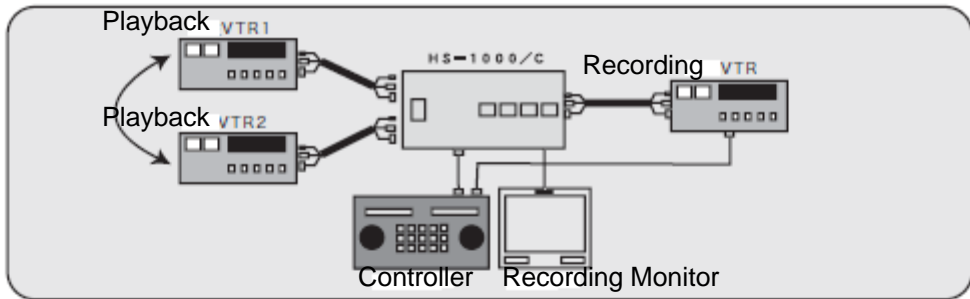


NORMAL&BYPASS Mode



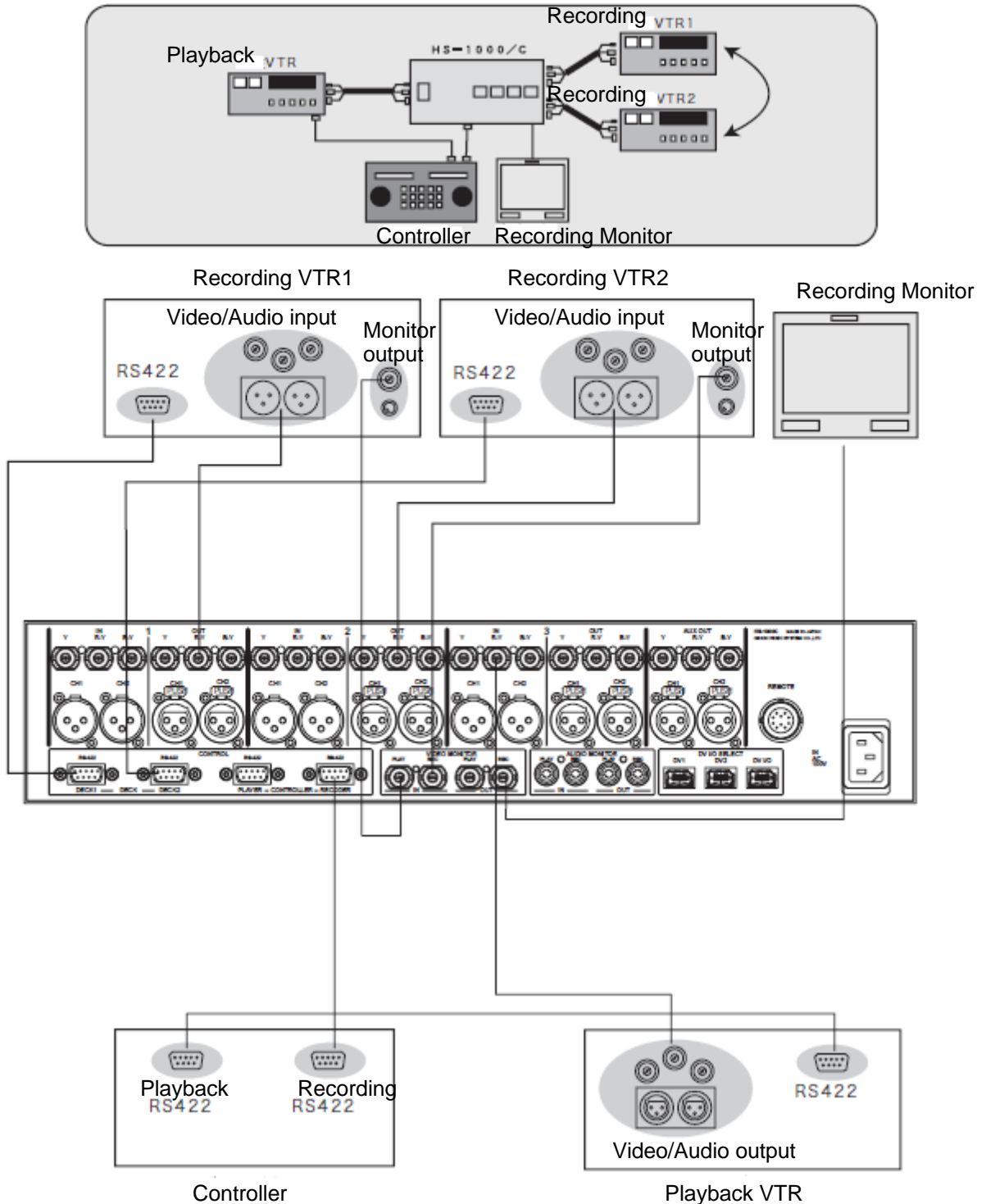
System Diagram 1

2 playback VTR can be changed. VTR 1 is selected by NORMAL and VTR 2 is selected by EXCHANGE.



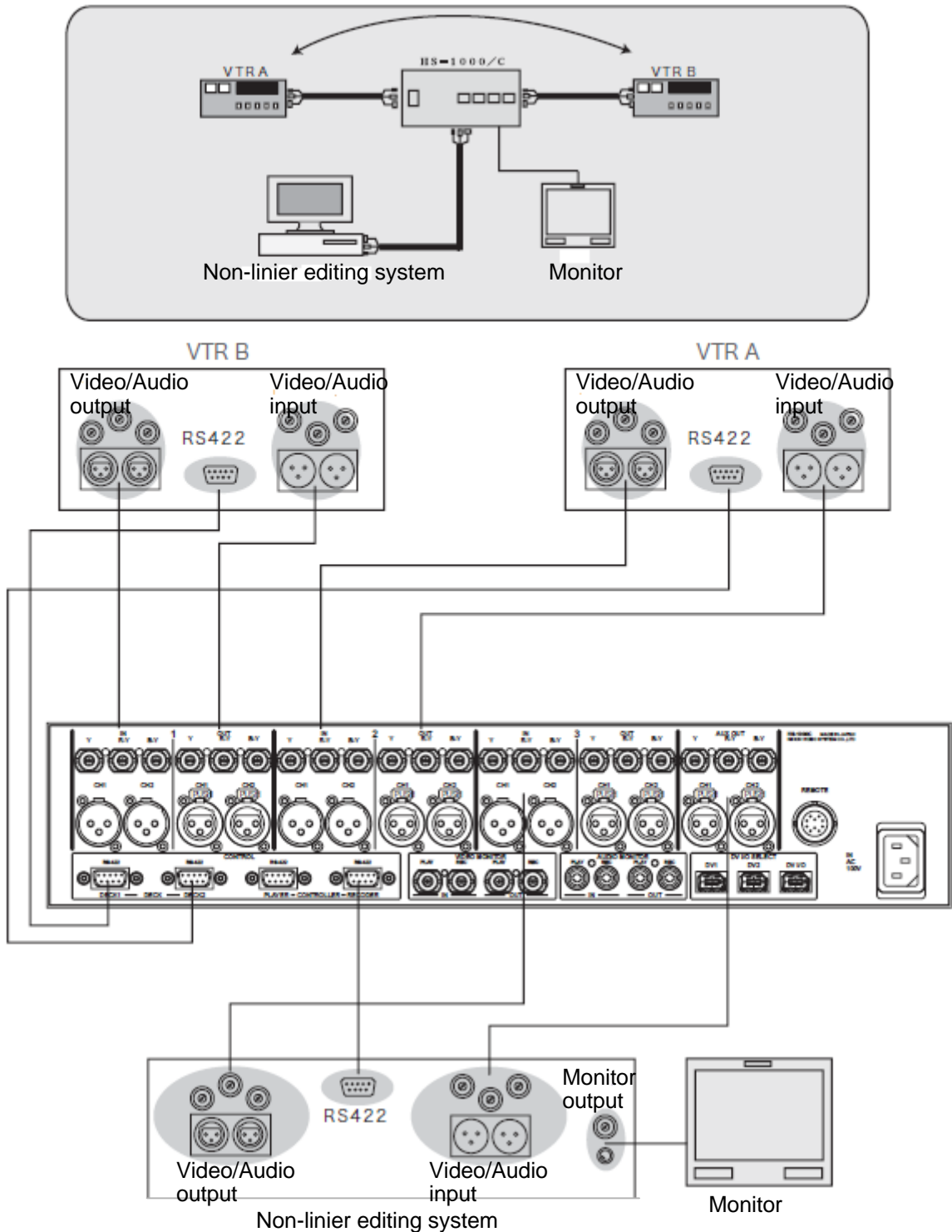
System Diagram 2

2 recording VTR can be changed. Recording VTR 1 is selected by NORMAL and Recording VTR 2 is selected by EXCHANGE.



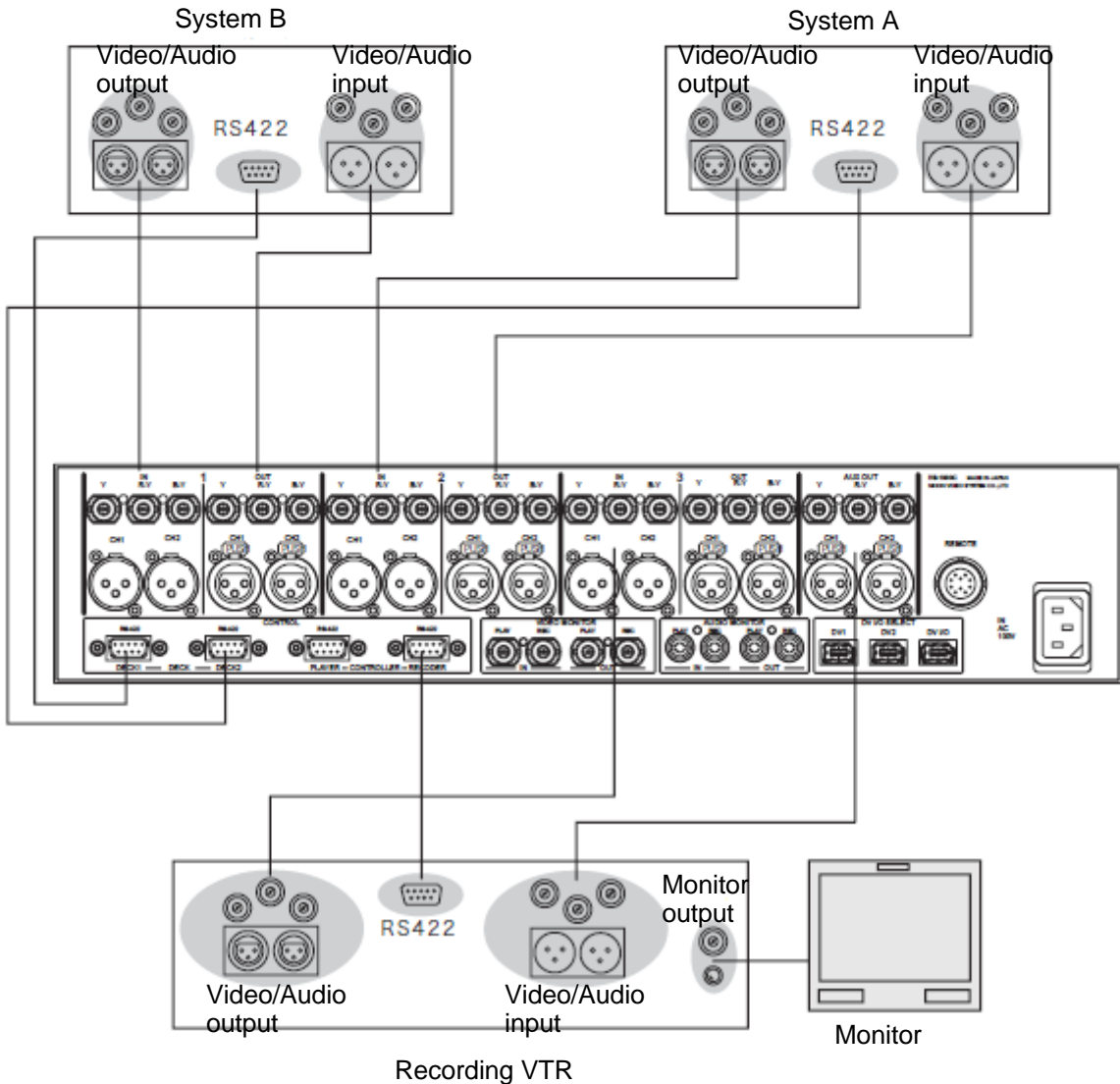
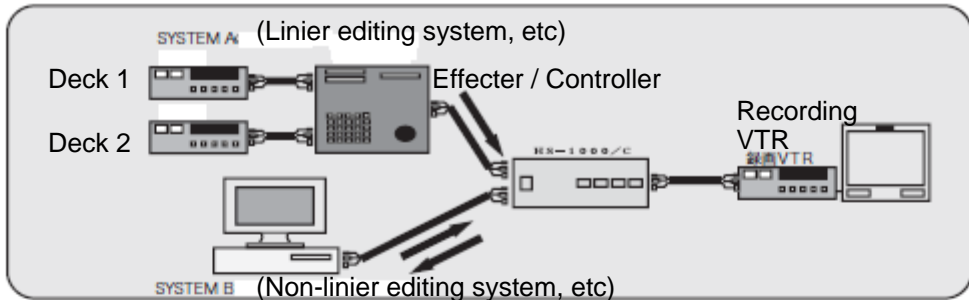
System Diagram 3

Connection of 2 VTR to non-linear editing system can be changed. VTR A is selected by NORMAL and VTR B is selected by EXCHANGE.



System Diagram 4

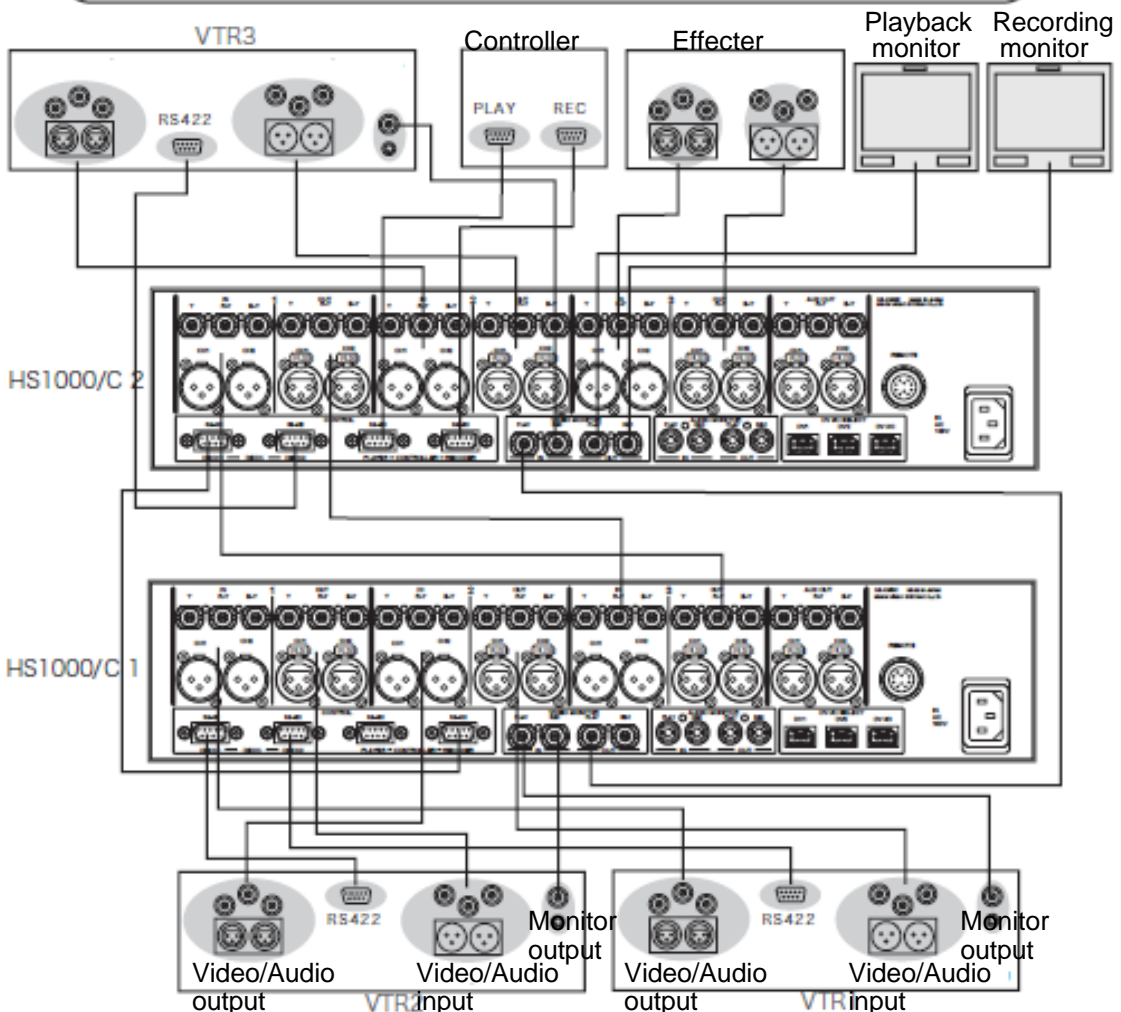
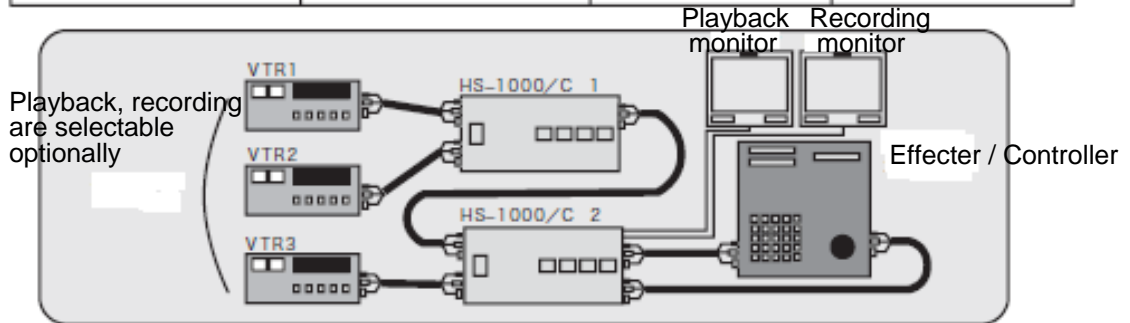
2 different systems can use 1 VTR. System A / recording VTR is selected by NORMAL and System B / recording VTR is selected by EXCHANGE.



System Diagram 5

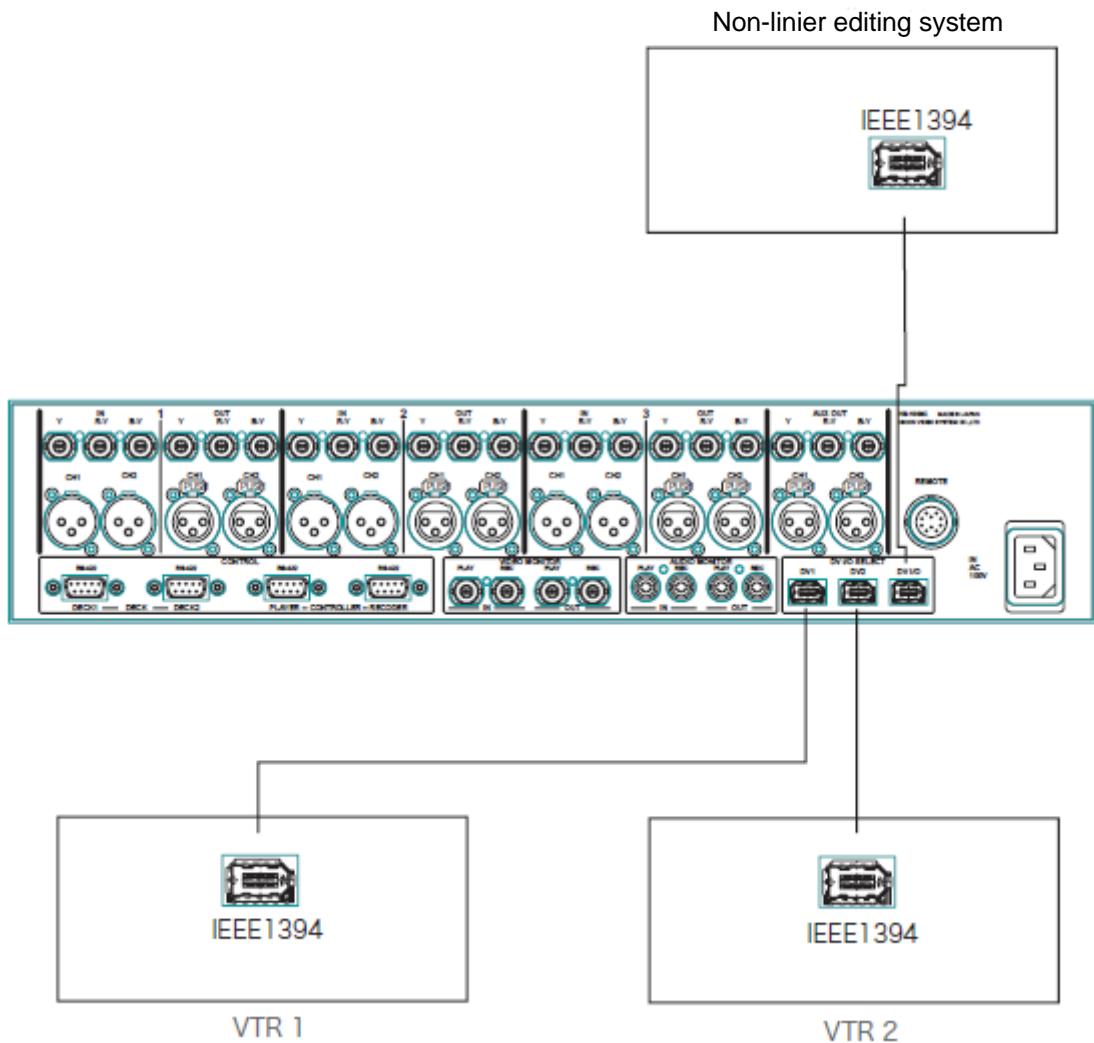
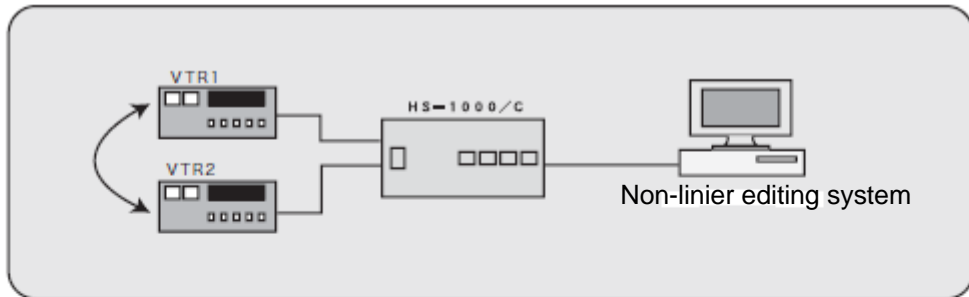
3 sets of VTR can be selected freely for playback and recording by using 2 sets of HS-1000/C.

HS-1000/C 1	HS-1000/C 2	Playback VTR	Recording VTR
NORMAL	NORMAL	VTR1	VTR3
EXCHANGE	NORMAL	VTR2	VTR3
NORMAL	EXCHANGE	VTR3	VTR1
EXCHANGE	EXCHANGE	VTR3	VTR2


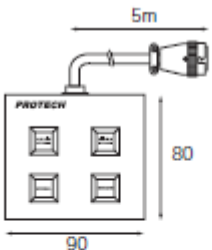


System Diagram 6

2 VTR can be changed. VTR 1 is selected by NORMAL and VTR 2 is selected by EXCHANGE.



Accessory

	
<p>Rack mount kit HS-RA50 Adaptor to install HS-100 0/C to 2U size rack.</p>	<p>Remote control unit HS-RM1 Unit to remote-control HS-1000/C (cable length 1.5m)</p>

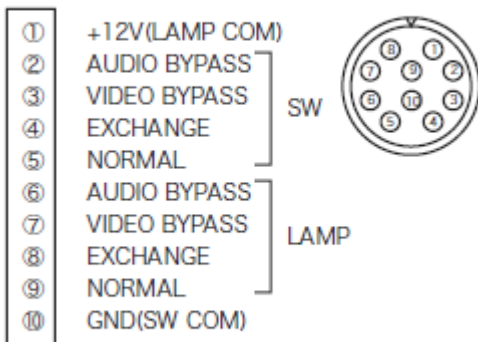
Remote control unit for rack-mounting is available by order-made.

Main Specifications

HS-1000/C Specifications

Input	Video (HS-1000)	DEC1, DEC2, EFECT x Composite or SDI/YC each 1 PLAY monitor, REC monitor x Composite or SDI each 1
	Video (HS-1000C)	DEC1, DEC2, EFECT x Composite or Component or SDI/YC each 1 PLAY monitor, REC monitor x Composite each 1
	Audio	DECK1, DECK2, EFFECT xXLR3 male L/R each 1 PLAY monitor, REC monitor xRCA L/R each 1
	IEEE 1394	6P connector x2
	Remote	DECK1, Deck2 x each 1 (for RS-422) Controler (PLAYER,RECORDER) x each 1
Output	Video (HS-1000)	DEC1, DEC2, EFECT x Composite or SDI/YC each 1 PLAY monitor, REC monitor x Composite each 1
	Video (HS-1000C)	DEC1, DEC2, EFECT x Composite or Component or SDI/YC each 1 PLAY monitor, REC monitor x Composite each 1 AUX OUT x Composite/YC 1
	Audio	DECK1, DECK2, EFFECT xXLR3 female L/R each 1 PLAY monitor, REC monitor xRCA L/R each 1 AUX OUT xRCA L/R each 1
	IEEE 1394	6P connector x2
	DC output	Canon 4pin 12V MAX3.5A x 1
General characteristic	Signal change method	Adopting high frequency electronic contact unit Electronic change method
	Signal bandwidth	Video: more than 20MHz Audio: more than 100kHz
Power	Power	AC100-240V
General	Temperature Operation	From 0 degree C to 40 degree C
	Storage	From -20 degree C to 60 degree C
	Weight	Approx. 4.2kg
	Dimension	430x88x220mm (WxHxD)

Details of external remote control connector



Compatible plug: (RM15QPS-10PH)