FOSTEX

Exclusive Remote Control Unit for RD-8

RMC-8

Owner's Manual

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER(OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION:

POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

"WARNING"

"TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE."

SAFETY INSTRUCTIONS

1. Read Instructions – All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Water and Moisture – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands – The appliance should be used only with a cart or stand that is recommended by the manufacturer.

An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

7. Wall or Ceiling Mounting – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. Power Sources – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarization – The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
12. Power Cord Protection – Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. Cleaning – The appliance should be cleaned only as recommended by the manufacturer.
14. Nonuse Periods – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. Damage Requiring Service – The appliance should be serviced by qualified service personnel when:
    A. The power supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.
17. Servicing – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Table of Contents

1. Introduction

The RMC-8 is a remote control unit designed exclusively for the RD-8 digital multitrack recorder. Up to four RD-8s can be controlled by one RMC-8. In a cascade connection, a maximum of 16 RD-8s can be controlled.

The RMC-8 and RD-8 are connected by a D-sub 9 pin cable and control is through RS422 (complies to the SONY 9 PIN PROTOCOL). An EXT 422 connecter is also provided to make it possible to control an RD-8 with an RMC-8 still connected, by other external RS422 equipment.

2. Package Contents

Contents of this package are listed below.
Please check the contents with this list before operation.

RMC-8 unit	1
Exclusive AC adaptor (Model AD-9)	1
D-sub 9 pin connecting cable (5m)	1
Owners Manual (This book)	1

3. Preliminary Notes on Operation

* The AC adaptor packaged with this controller must be used for the power supply. For safe and correct operation, do not use any other power supply. Always use the AC adaptor exclusively designed for this controller.
  This AC adaptor is designed only for 120V or 230V. Do not plug it into wall sockets with a different voltage.
* When unplugging the AC adaptor from the wall socket, only grasp the adaptor body.
  Pulling the cord will result in trouble such as breaking the power cord internal wire if the cord is directly pulled.
* Do not plug or unplug the AC adaptor with wet hands. It is very dangerous to do so as you may receive an electric shock.
* Continuous use of a power cord with worn sheathing and insulation is very dangerous.
  If it should be damaged, have it repaired or replaced immediately.
* Do not remove the outer case of the controller and AC adaptor or touch anything inside.
  You could receive a dangerous electric shock. It also could result in breakdown.
* Do not allow liquids such as water and flammables, or metal objects such as hair pins to get inside. This is very dangerous as it could result in electric shock, short circuits, and equipment breakdown.
  If any water is accidentally spilled inside, unplug the power cord immediately from the wall socket and return for repairs.
* This controller is made of precision components. Do not apply excess force to it or drop it as this could damage the display section or other internal components.

4. Outstanding Features

* One controller can select up 32 tracks (in cascade connection of four RD-8s).
* This controller and the RD-8 are connected with a single cable (D-sub 9 pin) and communicate by signals complying to RS-422 (SONY 9 PIN PROTOCOL).
* Regardless of the setting of the RD-8, AUTO REC, CHASE and various LOCATE operations are possible from the remote controller.
* Editing of the MARK IN/MARK OUT points and various time data of CHASE OFFSET and LOCATE is possible.
* An exclusive EXT 422 connector for external equipment is provided to allow control of the RD-8 even if a remote controller is connected to the RD-8.

5. Connections

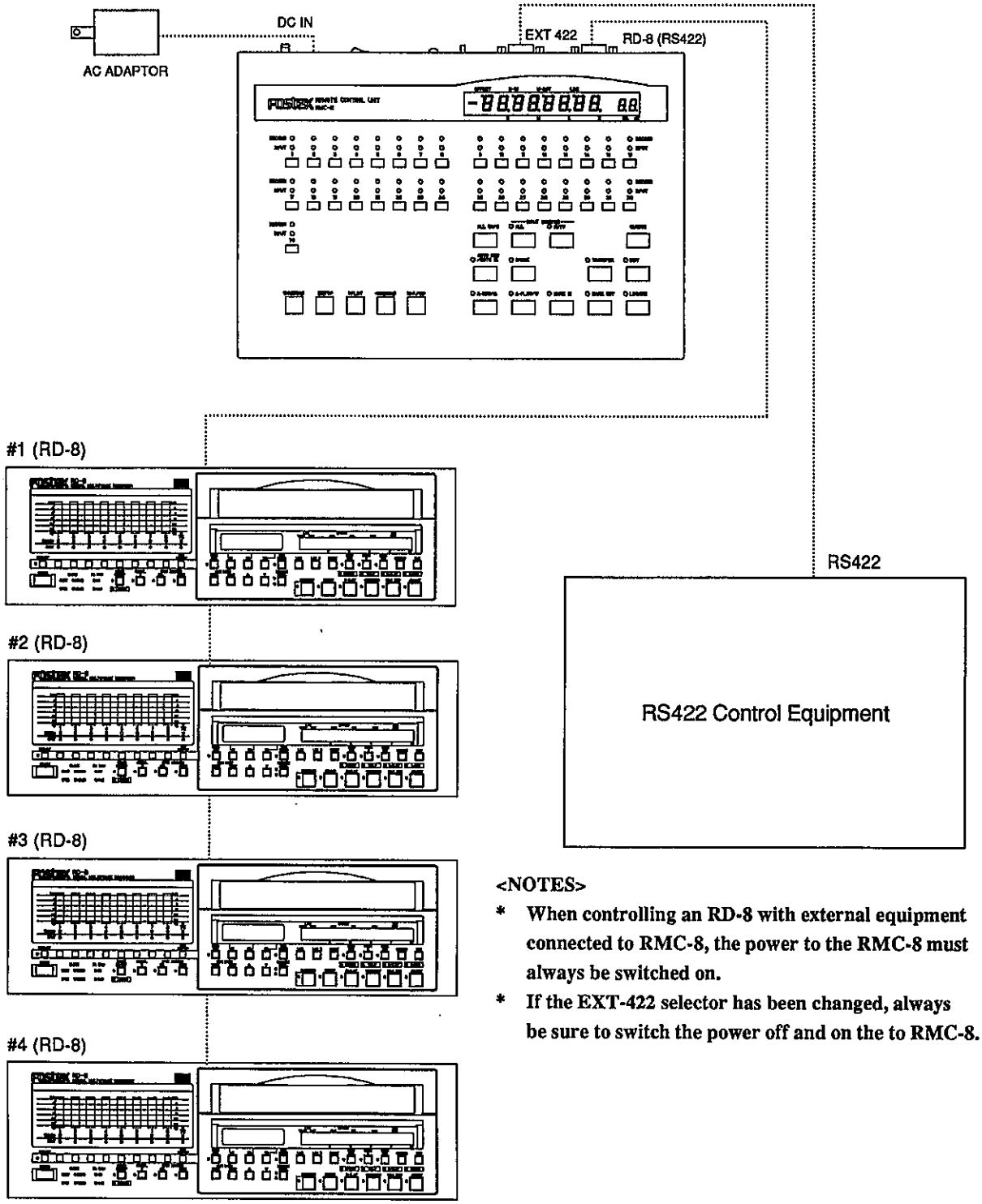
5-1. Basic Connection

The RD-8, external control equipment and AC adaptor are interconnected as shown in the schematic.

Because audio signal connections are omitted here, please refer to the RD-8 manual in parallel with this section.

<NOTE>

Secure the AC adaptor with the clamp to prevent it from accidentally becoming dislodged from the socket.



<NOTES>

* **When controlling an RD-8 with external equipment connected to RMC-8, the power to the RMC-8 must always be switched on.**
* **If the EXT-422 selector has been changed, always be sure to switch the power off and on the to RMC-8.**

5-2. Cascade Connection

This controller can control a maximum of 16 RD-8s in a cascade connection. The RD-8s are cascade connected as shown in the schematic using one unit as the MASTER and succeeding units as the SLAVES which are then locked together.

☐ Setup of RD-8 After Connecting

When using RD-8 in a cascade connection, set each RD-8 as below.

< Setup of the Master Machine>

1. Use the DATA EDIT → REMOTE button to let the LCD display "Remote In:" and select "RS422" with the F2 key.
2. Press the DATA EDIT button to exit from the DATA EDIT mode (DATA EDIT LED is extinguished).
3. Press the REMOTE button and select REMOTE or REMOTE/LOCAL.

< Setup of the Slave Machine>

1. Use the DATA EDIT → REMOTE button to display "Remote In:"on the LCD and select "ADAT" with the F1 key.
2. Press the DATA EDIT button to exit from the DATA EDIT mode (DATA EDIT LED is extinguished).
3. Press the REMOTE button and select REMOTE or REMOTE/LOCAL.

<NOTE>

If power is switched off and on after this setup, press the REMOTE button again and select REMOTE or REMOTE/LOCAL even though the slave REMOTE or REMOTE/LOCAL LED's are lit.

☐ The Relationship Between RD-8 Setup and RMC-8 Setup

When an RMC-8 is connected to the RD-8, the following relationship exists between them.

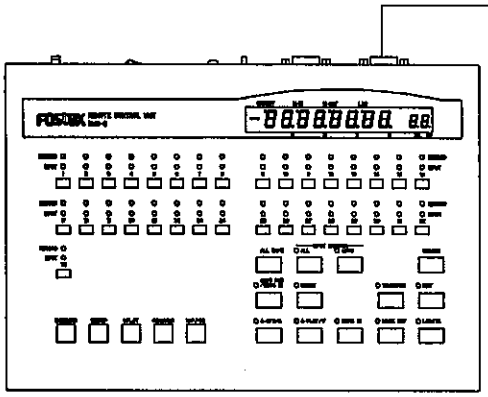
			RD-8	RMC-8	Remarks
Track Select	ON/OFF	Display	RD-8 only ON/OFF.	Both ON/OFF.	Priority on RMC-8 ON/OFF is possible in RD-8.
		Operation	Follow RD-8 display.	Follow RD-8 display.	
Auto Play	ON/OFF	Display	RD-8 only ON/OFF.	RMC-8 only ON/OFF.	Setup of RMC-8 ON/OFF functions only by the RMC-8 key.. OFF when using RMC-8.
		Operation	Priority on RD-8 ON.	Priority on RD-8 must be RD-8 ON.	
Auto Return	ON/OFF	Display	RD-8 only ON/OFF.	RD-8 only ON/OFF.	Setup of RMC-8 ON/OFF functions only by the RMC-8 key. RETURN point RD-8 on when RD-8 is on will be the RD-8 setup point, if RMC-8 is on at the same time, RMC-8 will AUTO RETURN also by its M-OUT. When using RMC-8, switch OFF the RD-8.
		Operation	Priority on RD-8 ON.	Priority on RD-8 ON.	
Pre/Post Roll	ON/OFF	Display	RD-8 only ON/OFF.	Cannot ON/OFF.	ON/OFF of RMC-8 is automatic for each item. If RMC-8 is to be switched OFF, set the setup figure to 0sec.
		Operation	Follow RD-8 display.	Automatic execution.	
Pre/Post Roll	Setup point		Follow RD-8 setup figure.	Follow RD-8 setup figure.	
Loc Memory	Setup point		Effective by RD-8 only.	Effective by RD-8 only.	
Mark In/Out	Setup point		Setup possible from both sides.	Setup posible from both sides.	
All Safe	ON/OFF		There are no buttons.	New function.	Switch OFF exclusive to TRACK SELECT RMC-8 up to 14 units in cascade connection.
Inmon All	ON/OFF	Display	Both ON/OFF.	Both ON/OFF.	
		Operation	Follow the display.	Follow the display	
Inmon Auto	ON/OFF	Display	Both ON/OFF.	Both ON/OFF.	
		Operation	Follow the display.	Follow the display.	
Auto Rec	ON/OFF	Display	RD-8 only ON/OFF.	RMC-8 only ON, both OFF.	If "rehearsal" and "take" is executed when AUTO REC is ON, the RD-8 display will also be ON.
		Operation	Follow the RD-8 display.	Priority on display RD-8 ON.	

<NOTE>
Because setup of the RD-8 in the AUTO PLAY/AUTO RETURN mode will affect remote controller function, switch this off when the RMC-8 is connected.

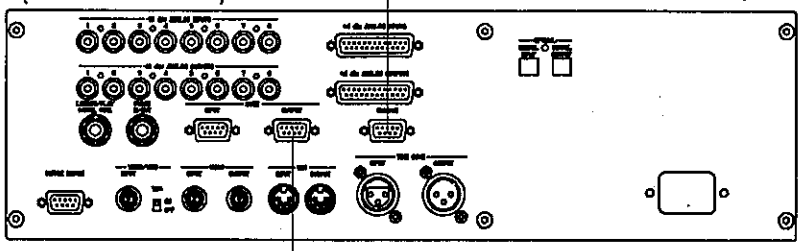
<NOTE>
Among the cascade connected RD-8s, the following limitations exists in controlling.

Track select:	Up to four units can be controlled. Tracks cannot be selected in the 5th unit and after.
ALL SAFE:	Up to 14 units can be controlled. 15th and 16th units cannot be controlled.

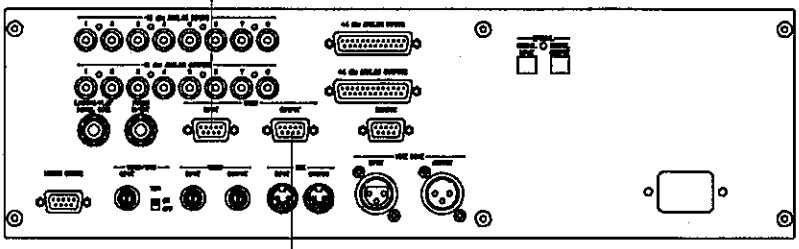
* **Other operations explained in this manual except those above are effective in all RD-8s which are connected.**



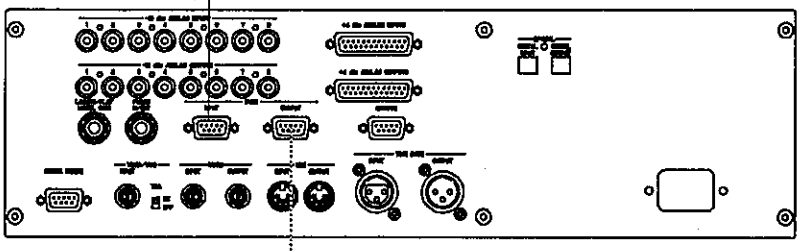
#1 RD-8 (Master Machine) Remote In → "Rs422"



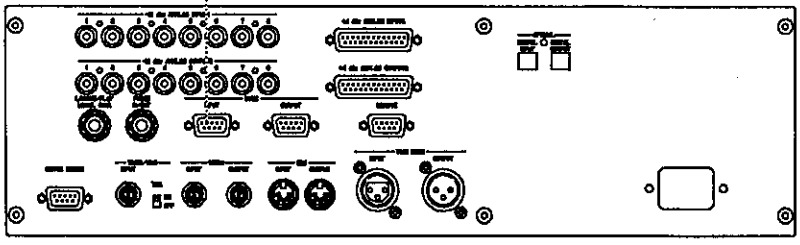
#2 RD-8 (Slave Machine) Remote In → "ADAT"



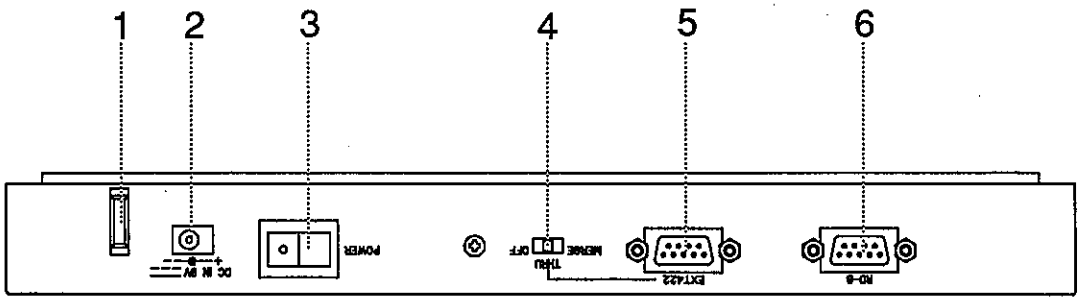
#3 RD-8 (Slave Machine) Remote In → "ADAT"



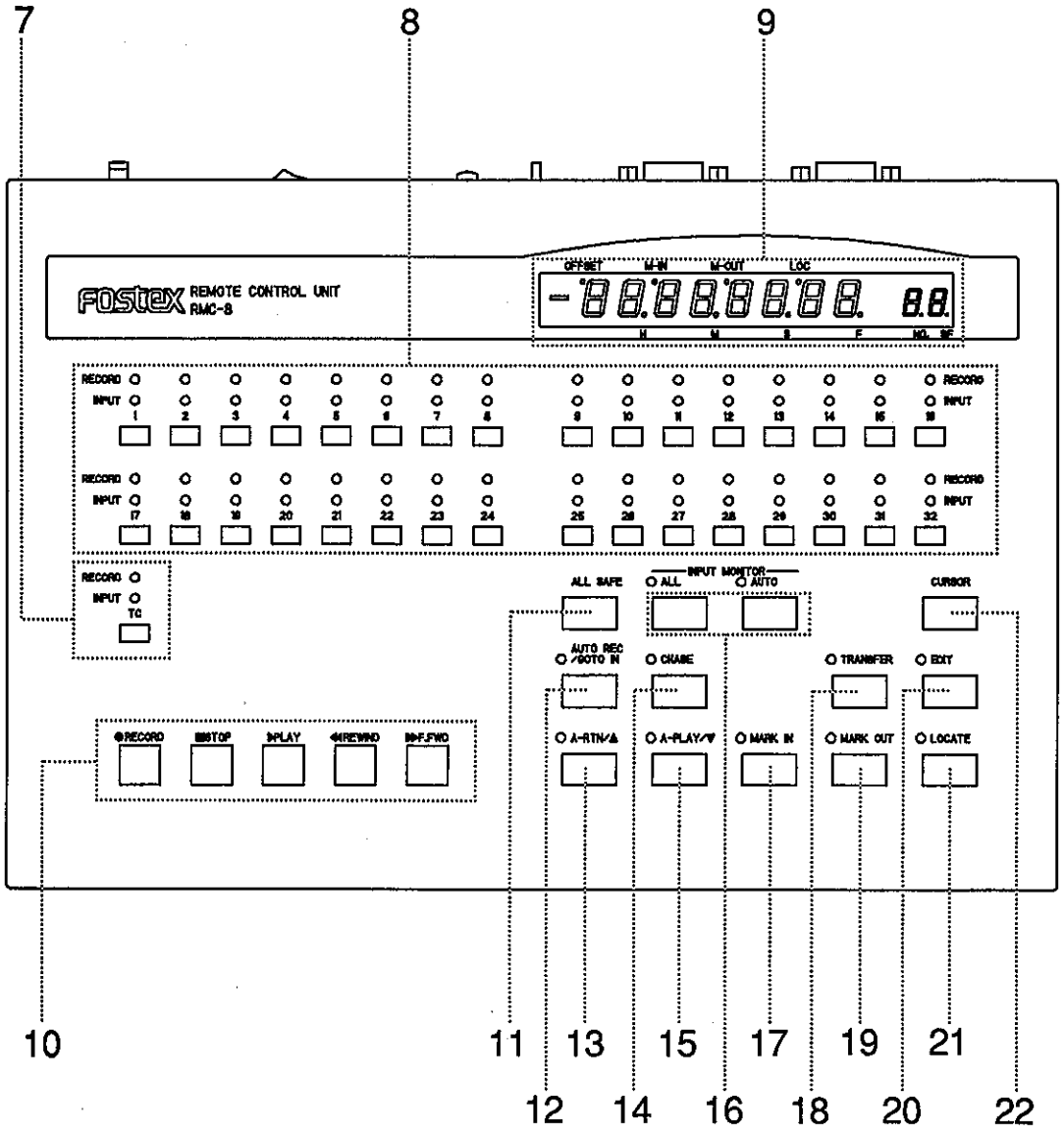
#16 RD-8 (Slave Machine) Remote In → "ADAT"



Rear Panel



Operating Panel



6. Names and Functions of The Controls/Connectors

6-1. Rear Panel Section

1.Clamp

This prevents the AC adaptor cable from accidentally slipping out of the wall socket.

<NOTE>

Be sure to secure the cable to this clamp to avoid accidents and trouble caused by the AC adaptor becoming dislodged from the wall socket during operation.

2. DC IN connector [DC IN 9V]

Through the exclusive AC adaptor included with this controller, power is supplied to this connector.

<NOTE>

Be sure to use the exclusive AC adaptor for safe, trouble-free operation.

3. Power switch [POWER]

The power ON/OFF switch of this controller.

With external control equipment connected and when controlling by other equipment, be sure power to this controller is switched ON.

4. EXT 422 mode selecting switch [OFF/MERGE/THRU]

Controlling mode by the external equipment connected to the EXT 422 connector is selected by this switch.

<NOTE>

Setting of this switch becomes effective at switch ON of power and later settings will be ignored.

Therefore, always switch OFF-ON the power when this setting has been changed.

"OFF"	This mode is used when this controller only is used. Regardless to whether external equipment is connected to the EXT 422, this switch must be "OFF."
"MERGE"	This is used when controlling from external equipment and this controller. When this mode is used, the signal from the external equipment connected to EXT 422 is merged by RMC-8 and sent to the RD-8 to control it. Most operations will be done by the external equipment but in the RMC-8, Track Select will function and LTC time only will be shown in the remote controller display. When this switch is set to "MERGE," "Mr" will be shown in the SF character position of the display to indicate that it is in this mode. <NOTE> **When this mode is used, there will be a slight time delay as the signal from the external equipment is transmitted to RD-8 by the CPU of this controller. Therefore, if a problem arises or there is a defect in operation due to this signal delay, the "THRU" mode should be used.**
"THRU"	This is used when operating by external control equipment. When this mode is used, the signal from the external control equipment connected to EXT 422 is directly sent to RD-8 without passing through the CPU of RMC-8 for controlling. The external equipment only can control the RD-8 and cannot be operated from the remote controller. However, LTC will be shown in the remote controller display only when the external equipment is requesting LTC time by "61 0C xx:CURRENT TIME SENSE." When the switch is set to "THRU," "Th" will be shown in the SF character position in the display to indicate that it is in this mode.

5. EXT 422 connector [EXT 422]

If it is desired to control RD-8 by a controller other than this RMC-8 through RS-422, it is connected to the RS422 connector for external equipment. When controlling by an external equipment, the EXT 422 mode selector is switched to "MERGE" or "THRU."

6. RD-8 connector [RD-8]

This connector is connected to the RS422 connector on the RD-8.
Communication between this remote controller and RD-8 is exchanged by signals complying to the SONY 9 PIN PROTOCOL.
Basically, four RD-8 can be cascade connected by 9 pin Sync. Except for the TRACK/ TC SELECT operation, a maximum of 16 can be cascade connected and controlled.

6-2. Operating Panel

7. Time code track select button [TC TRACK SELECT]

Enter TC track of the master in "record standby." When the button is pressed, RECORD LED will blink, the INPUT LED will be lit and, at the same time TC track enters the record standby mode, it will also enter the INPUT monitor mode.
This button functions without effect from the INPUT MONITOR ALL button.

8 Record enable button [RECORD ENABLE]

Each track of the cascade connected RD-8 is entered in the "record standby" mode.

When this button is pressed, the track of the number thus pressed is entered in "record standby" and at the same time, it is entered in the INPUT monitor mode (RECORD LED will blink and the INPUT LED will be lit.). It will be canceled when pressed again.

When recording is started, the track in "record standby" enters the recording mode and the RECORD LED will change from blinking to a constant light.

<NOTES>

* **Tracks in record standby controllable by this remote controller will be the four units in cascade connection.**
* **The remote controller will have priority in track selecting.**
  In other words, after the track is selected at the RD-8 side, and then reset again at the remote controller side, the RD-8 setting will be ignored and be in the remote controller selected track.

9. 7 Segment Display

Displays the LTC time.
Also, time data can be edited in the display.

◆ **Refer to pages 17 ~ 18 for details on the display.**

10. Transport control button

Record button [RECORD]

With any one of the tracks in record standby, recording will be started when the PLAY button is pressed while pressing this button.
If the PLAY button is pressed while pressing this button during playback, the track in record standby will enter the recording mode, then if the PLAY button is pressed, this mode will be canceled and enter the playback mode.

Stop button [STOP]

When tape is being transported, it can be stopped by pressing this button.
With the tape stopped, "engage" and "disengage" will be repeated each time this button is pressed (The STOP button lamp will be lit at "engage" and blink at "disengage.").

Play button [PLAY]

Playback is started when this button is pressed. If this button is pressed during a locate operation, it will enter "Locate and Play" upon completion of locate operation.
Furthermore, recording will start when this button is pressed while the RECORD button is pressed. Recording will be canceled and enter the playback mode if this button only is pressed.

Rewind button [REWIND]

Tape will be rewound at high speed when this button is pressed.
If this button is pressed when the transport is engaged, tape will rewind at about 10 times of standard speed. If it is pressed when the transport is disengaged, at about 20 times speed.
If this button is pressed while pressing down the PLAY button, the recorder will enter the review mode. If this button and the F FWD button are simultaneously pressed, the transport will stop.

Fast forward button [F FWD]

Tape will be forward wound at high speed when this button is pressed.
If this button is pressed when the transport is engaged, it will wind at about 10 times standard speed or, if pressed when disengaged at about 20 times speed.
If this button is pressed while pressing the PLAY button, the recorder will enter the cueing mode. If this button and the REWIND button are simultaneously pressed when in the cueing mode, the transport will stop.

11. All safe button [ALL SAFE]

When this button is pressed, record standby track of the RD-8 connected will enter the "SAFE" mode.

<NOTE>
If a maximum of 16 RD-8 is cascade connected, this button can control up to 14 units and the 15th and 16th units cannot be controlled because of limitations of SONY 9 PIN PROTOCOL.

12. Auto rec/go to in button [AUTO REC/GO TO IN]

The AUTO REC mode is alternately switched on and off with each press of this button. When the AUTO REC mode is switched on, all RD-8s will locate to the MARK IN point attached with preroll and stop. If the PLAY button is pressed while in the "ON" state, rehearsal of AUTO REC (punch-in/punch-out) between MARK IN-MARK OUT will be executed, and if RECORD+PLAY buttons are pressed, it will execute AUTO REC and then playback the post-roll length and stop.
When the AUTO REC mode is switched on, during rehearsal of AUTO REC the LED will light green and change to a red light upon executing AUTO REC.

<NOTE>
Although setup time in the master unit will be followed for the pre roll/post roll figures but this will not affect ON/OFF of the master unit preroll/post roll setting.

◆ Refer to pages 20 ~ 25 for details on auto recording.

13. Auto return/up button[A RTN/▲]

Each time this button is pressed, the AUTO RETURN mode is alternately switched on and off. The LED is lit when AUTO RETURN is on, and extinguished when off.
In the edit mode or when LOC No. is input, numbers input can be counted up. In this case, count up speed will increase if the button is held down.

<NOTE>
This function can be individually controlled from the remote controller without regards to the RD-8 setting.

◆ Refer to page 26 for details on AUTO RETURN.
◆ Refer to pages 22, 27, 28, 30 and 33 for details on the ▲ button.

14. Chase button [CHASE]

ON/OFF of CHASE operation will be alternately switch with each press of this button. The LED will blink when CHASE is on, the master RD-8 will start chase of the external time code. Upon chase locking, the LED will change to a constant light.

If this button is pressed after switching on the EDIT button, it will enter the edit mode in the CHASE OFFSET figure and this CHASE OFFSET figure can then be edited.

◆ For details, refer to page 32 "11. The CHASE mode."

<NOTE>
When CHASE operation is on, the remote controller transport control buttons (MARK IN/OUT, LOCATE, STOP, REWIND, F FWD) will not function.

15. Auto play/down button [A PLAY/▼]

The AUTO PLAY mode ON/OFF will be alternately switched with each press of this button. When the AUTO PLAY mode is on, the LED will be lit and be extinguished when off.

In the edit mode or when input of LOC No., the number that is input can be counted down. Count down speed will increase if this button is held down.

<NOTE>
This function can be individually controlled from the remote controller without regards to the RD-8 setting.

◆ **Refer to page 26 for details on AUTO PLAY.**
◆ **Refer to pages 22, 27, 28, 30, and 33 for operation on the ▼ button.**

16. Input monitor button [INPUT MONITOR (ALL/AUTO)]

All button [ALL]:

When this button is pressed, all tracks (except the TC track) of the cascade connected RD-8s will be set to INPUT. When pressed again, INPUT will be canceled.
When in the INPUT mode, the LED of this button and INPUT LED of all tracks will be lit.

Auto button [AUTO]:

When this button is pressed, all INPUT MONITOR AUTO of the cascade connected RD-8 will be switched on but when it is pressed again, INPUT MONITOR AUTO will be canceled.
When the INPUT MONITOR AUTO is switched on, the LED of this button and INPUT LED of the selected tracks will be lit. Also, when playback is started, the INPUT MONITOR is automatically canceled and INPUT LED only will be extinguished.

17. Mark In button [MARK IN]

Normally, when this button only is pressed, the master and cascade connected RD-8s will locate to the MARK IN point attached with preroll. LED of this button will be lit while in locate operation and be extinguished upon completing the locate operation.
If this button is pressed after switching ON the TRANSFER button, time data at the instant the button was pressed will be stored in real time as the MARK IN point in the memory.
In addition, if this button is pressed after switching ON the EDIT button, it will enter the editing mode of the MARK IN point.

◆ **Refer to pages 21, 27 and 30 for details on the memory using the TRANSFER button.**
◆ **Refer to page 22 for details on editing of the MARK IN point.**

18. Transfer button [TRANSFER]

LOC No. shown in the display can be edited when this button is switched ON, input can be done with the ▲/▼ buttons.
In addition, if any one of the MARK IN, MARK OUT, LOCATE buttons are pressed at the desired point after switching this button ON, each data will be stored in real time in the memory.

TRANSFER → MARK IN:	Time data at the point the button was pressed will be stored in memory as the MARK IN point.
TRANSFER → MARK OUT:	Time data at the point the button was pressed will be stored in memory as the MARK OUT point.
TRANSFER → LOCATE:	Time data at the point the button was pressed will be stored in memory as the locate point.

◆ **Refer to pages 21, 27 and 30 for details on the memory using the TRANSFER button.**
◆ **Refer to page 29 for details on editing the LOC No.**

19. Mark out button [MARK OUT]

Normally, when only this button is pressed, the master and cascade connected RD-8s will execute locate to the MARK OUT point. In this case, preroll will not be attached regardless to the main unit setting. The LED of this button will be lit during locate operation and be extinguished upon completing the locate operation.
If this button is pressed after switching on the TRANSFER button, time data at the instant this button is pressed will be stored in real time in the memory as the MARK OUT point. Furthermore, if this button is pressed after switching on the EDIT button, it will enter the MARK OUT point editing mode.

◆ **Refer to pages 21, 27 and 30 for details on the memory using the TRANSFER button.**
◆ **Refer to page 22 for details on editing of the MARK OUT point.**

20. Edit button [EDIT]

Edit mode will be switched on and off with each press of this button.
After switching on this button, and then pressing the following buttons, the respective data can be edited.

EDIT → MARK IN	MARK IN point editing
EDIT → MARK OUT	MARK OUT point editing
EDIT → CHASE	CHASE OFFSET editing
EDIT → LOCATE	LOCATE memory editing

◆ **Refer to page 22 for editing of the MARK IN/OUT point.**
◆ **Refer to page 32 for editing of CHASE OFFSET.**
◆ **Refer to page 28 for editing of the LOCATE memory.**

21. Locate button [LOCATE]

Normally, when only this button is pressed, the master and the cascade connected RD-8s will execute locate with preroll attached to the LOC No. shown in the SF character position of the display. The LED of this button will light during locate operation and extinguish upon completing the locate operation.

If this button is pressed after switching on the TRANSFER button, time data at the instant this button is pressed will be stored in real time in the memory as the LOCATE point (Memory of LOCATE point has no relationship with the main unit LOC memory and can be stored in this controller from 00 through 99.).

In addition, if this button is pressed after switching on the EDIT button, it will enter the LOCATE point editing mode.

◆ **Refer to page 28 for locate operation and LOCATE memory editing.**

22. Cursor button [CURSOR]

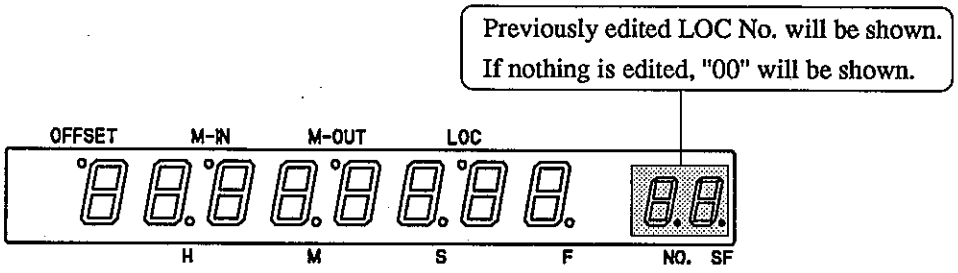
In the editing mode, character position to be edited can be moved.

◆ **Refer to pages 22, 27, 28, 30 and 33 on operation of the CURSOR button.**

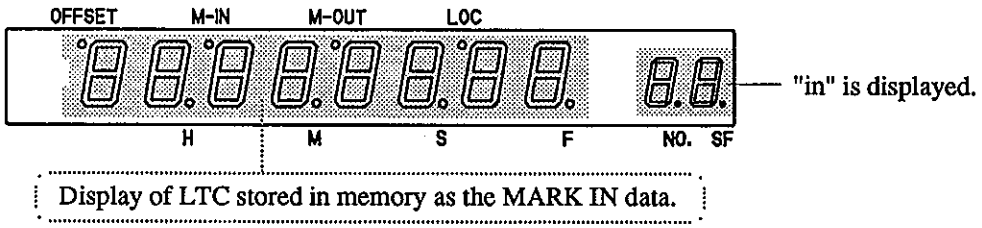
6-3. Display section

In addition to showing LTC time, the display of this controller can edit and execute time data of MARK IN/OUT, LOCATE and CHASE OFFSET.

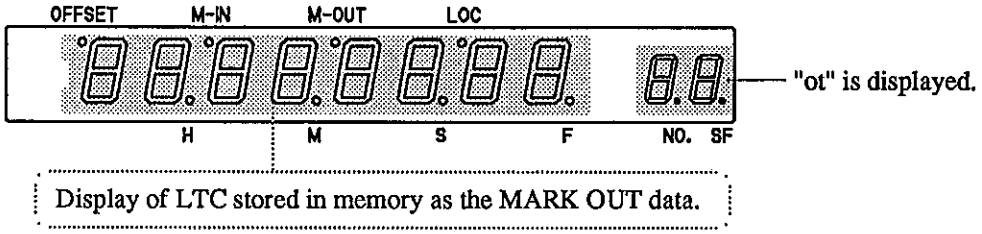
Display with the TRANSFER button ON.



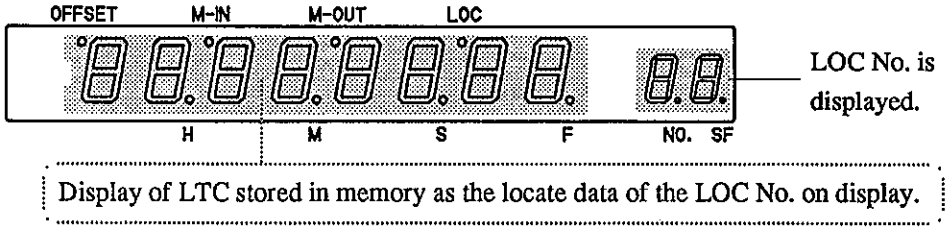
TRANSFER button → MARK IN button "In" will be shown.



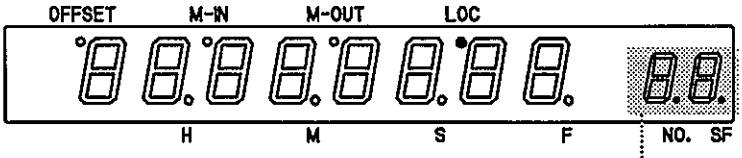
TRANSFER button → MARK OUT button "out" will be shown.



TRANSFER button → LOCATE button "LOC No. will be shown.

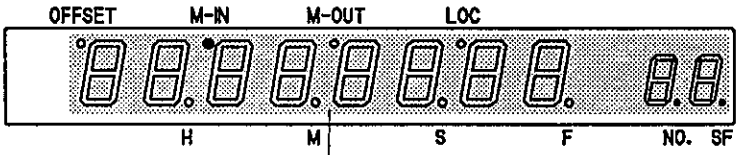


Display at "ON" of the EDIT button



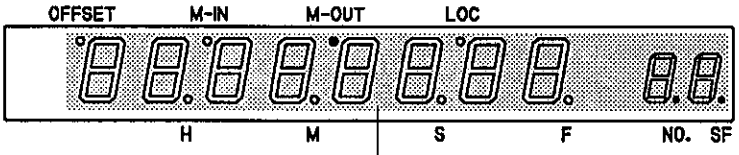
Previously edited LOC No. will be shown.
"No." dot will blink.

EDIT button → MARK IN button



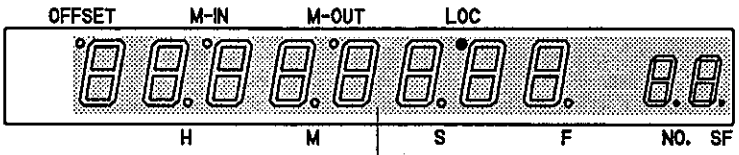
MARK IN data in memory is displayed and the "SF" dot will blink.

EDIT button → MARK OUT button



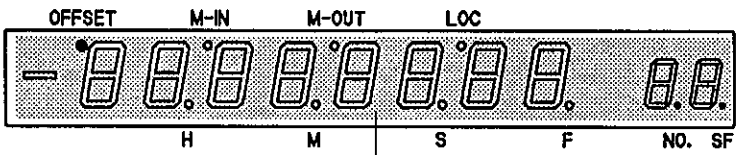
MARK OUT data in memory is displayed and the "SF" dot will blink.

EDIT button → LOCATE button



Locate time data and LOC No. are displayed and the "No." dot will blink.

EDIT button → CHASE button



OFFSET figure is shown with a + or - and the "SF" dot will blink.

Error Display

[Err InOut]:

If it is "MARK IN>MARK OUT" inthe "Auto Rec = ON" mode, this is shown for about one second when the PLAY or REC-PLAY button is pressed.

[rEC Inhl]:

This is displayed for about one second if ou attempt to REC-PLAY on the tape cassette with no record prevention tab.

[tAPE out]:

This is displayed when there is no tape in RD-8.

[tAPE End]:

This is displayed when the tape reaches the end.

[notAPEtc]:

This is displayed when no time code is recorded on the tape.
However, this does not apply when ABS is selected for the Sync Code.

[tAPE toP]:

This is displayed when the tape is in the lead/data area.

7. Auto Recording

Auto recording is the function of starting recording (punch in) at a previously set MARK IN point and ending recording (punch out) at the MARK OUT point. When executing auto recording, it is important to rehearse for accurate punch in/punch out, and make corrections in the MARK IN/MARK OUT points.

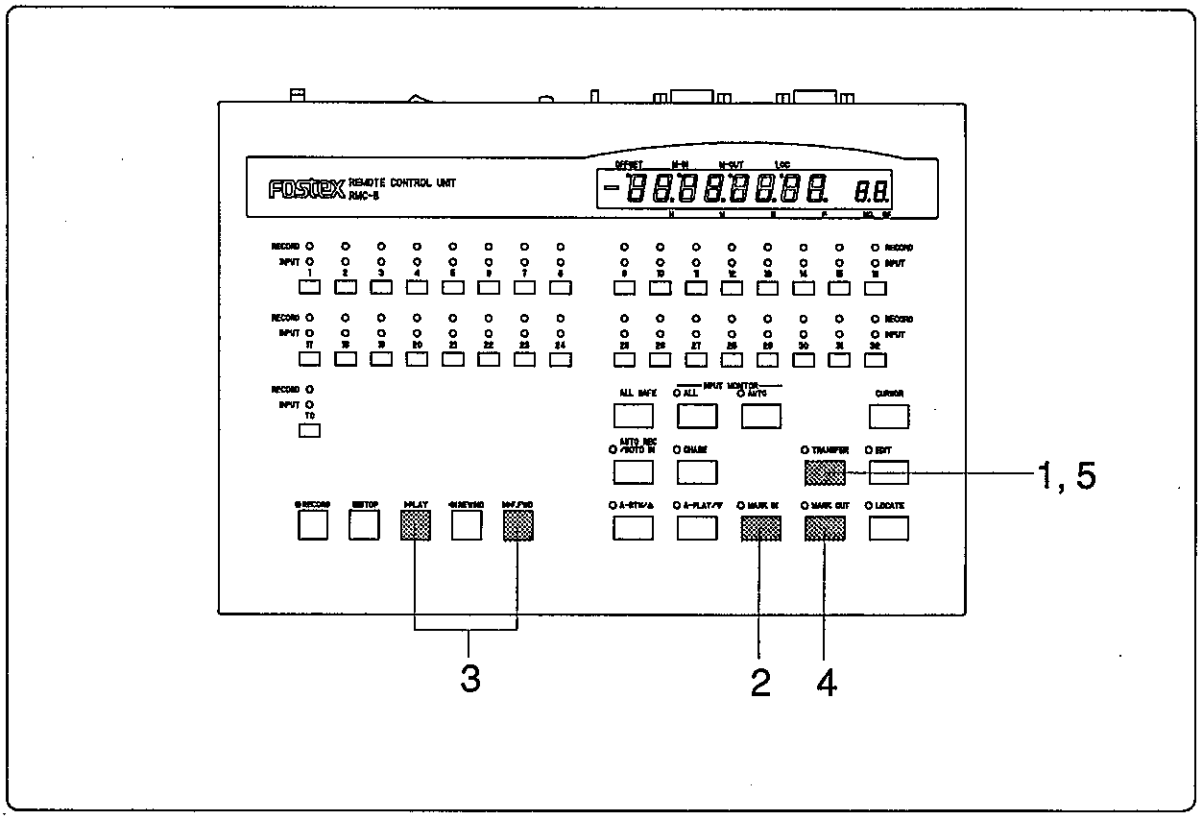
MARK IN point is the punch in point and MARK OUT point is the punch out point. As the method for establishing these two points, first press the TRANSFER button, then the MARK IN, MARK OUT buttons for real time setup or the method of specifying any desired time data by the data edit mode.

<IMPORTANT>

When entered in the recording mode from other than the MARK IN point while in theAUTO REC mode on state, the RD-8 will locate to the MARK IN point regardless of the present tape position, and then, start recording from this MARK IN point. As a result the recording will not be started from the desired tape position.
Therefore, the AUTO REC mode should be cancelled (OFF) at normal recording.

7-1. Real time setup of the MARK IN/MARK OUT point

This operation is possible with the transport in STOP or PLAY.



Operating Procedure

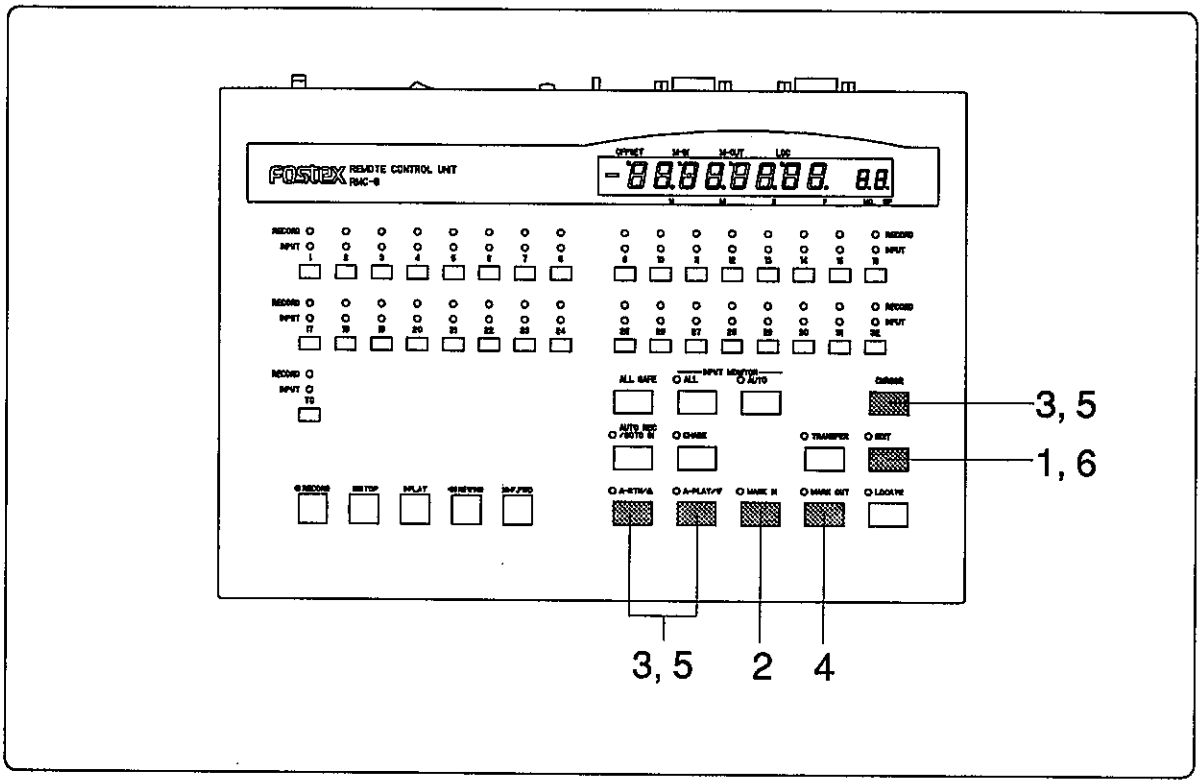
1. Press the TRANSFER button to switch on.
   The TRANSFER button LED will light.
2. Press the MARK IN button.
   Time data at the moment the button is pressed will be set as the MARK IN point. The MARK IN data in memory will be shown in the display.
3. Advance tape to the MARK OUT position.
4. Press the MARK OUT button.
   Time data at the moment the button is pressed will be set as the MARK OUT point. The MARK OUT data in memory will be shown in the display.
5. After setup of the MARK IN, MARK OUT points, press the TRANSFER buttonto switch OFF.
   The TRANSFER button LED will be extinguished.

<NOTE>

Various data setup here will be stored in memory as MARK IN/MARK OUT for all RD-8 in cascade connection.

7-2. Input and setup of random time data

This procedure must be carried out with transport in the STOP mode. Because time data can be set in sub frame units in this procedure, rehearsal and correction of the MARK IN/MARK OUT points can also be carried out.



Operating Procedure

1. Press the EDIT button to switch on.

   The EDIT button LED will be lit.

2. Press the MARK IN button.

   The time stored in memory as the present MARK IN point will be shown in the display and this time data can be edited (time display "00H" will blink).

   <NOTE>
   If no MARK IN data is in the memory, the display will show [00H:00M:00S:00F].

3. Any desired time data is input by the CURSOR button and ▲/▼ button.

CURSOR button:	The blinking dot can be moved in the following order. SF → F → S → M → SF
▲/▼ button:	Input numbers can be increased or decreased at the character position where the dot is blinking. If the button is held down, the increase or decrease speed will accelerate.

4. Press the MARK OUT button.

   The same as for MARK IN, the MARK OUT point memory data will be shown.

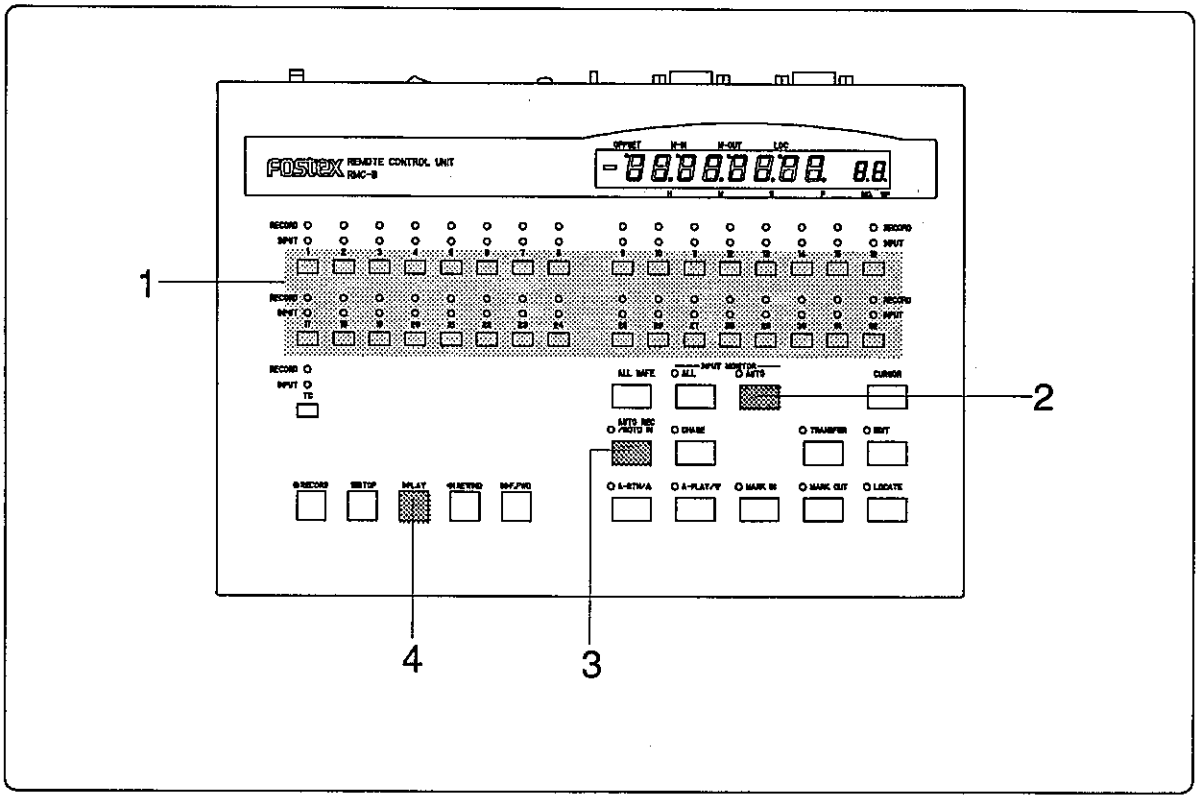
5. In the same way as Step 3, input the time data.

6. Press the EDIT button again to switch off the edit mode.

   The EDIT button LED will be extinguished.

7-3. Rehearsal of auto recording

In the rehearsal mode, punch in/out is executed at the MARK IN/MARK OUT points same as for AUTO REC but it does not enter the recording mode.



Operating Procedure

1. Press the RECORD ENABLE button for the recording track.

   Track selected will enter record standby.

   <NOTE>
   The remote controller can control record standby for up to four units in a cascade connection.

2. Press the INPUT MONITOR AUTO button.

   The INPUT MONITOR AUTO button LED and the LED of the selected track only will be lit.

3. Press the AUTO REC/GOTOIN button.

   Simultaneous with switching on the AUTO REC mode, all RD-8s will start locating to the MARK IN point, preroll and stop (during this process, the AUTO REC button LED will be lit green).

   * **Amount of Preroll is determined by the figure setup in the RD-8.**

4. Press the PLAY button.

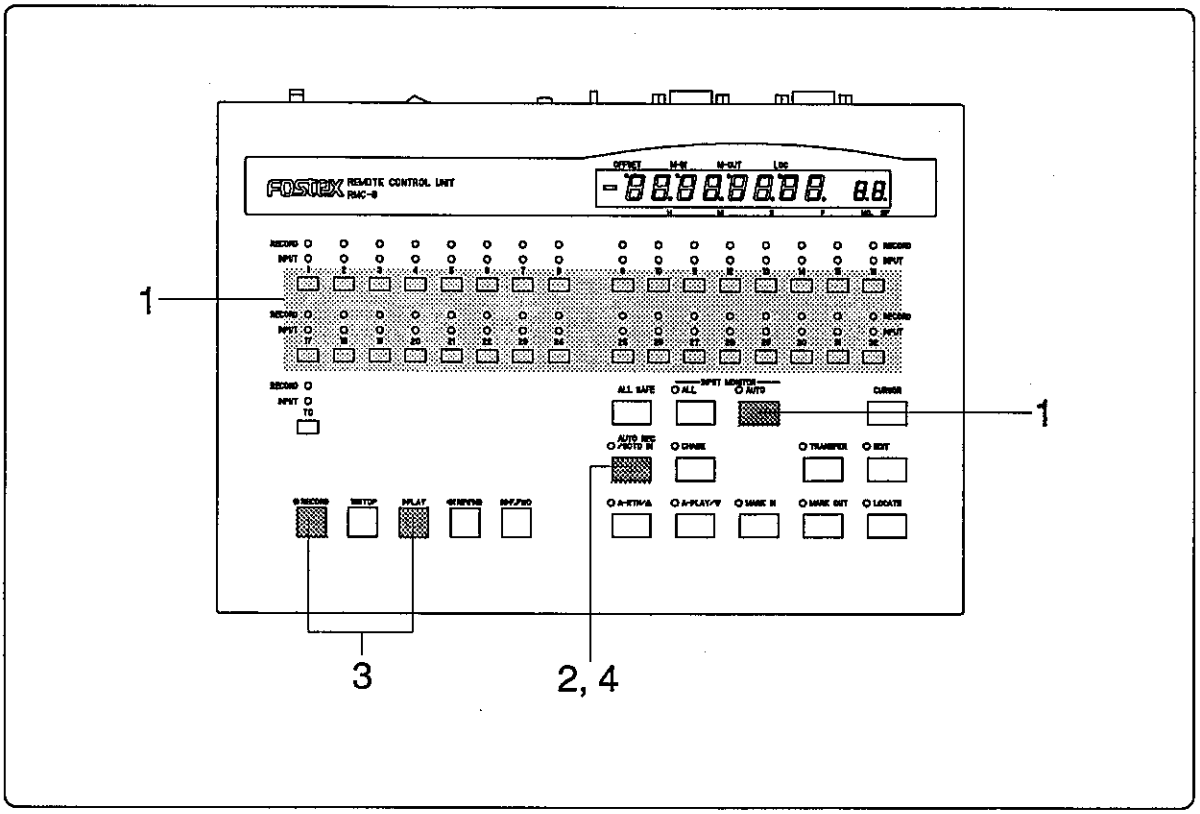
   It will be input monitor at MARK IN and input monitor will be canceled at MARK OUT, and stop after postroll.

   * **Because rehearsal is executed here, it will not record.**

<NOTE>
If execution of rehearsal is attemped by pressing the PLAY button when the MARK IN and MARK OUT setup points are in opposite order, the error display "Err InOut" will be shown and nothing will occur. In such a case, new MARK IN/MARK OUT points should be setup.

5. Correct MARK IN or MARK OUT points as necessary.
   Edit these by referring to procedures in 7-2.
6. To execute rehearsal again, press the PLAY button.
   If the AUTO REC mode is ON (AUTO REC button LED is lit green), the above rehearsal can be repeated by simply pressing the PLAY button.

7-4. Execution of auto recording



Operating Procedure

1. RECORD ENABLE/INPUT MONITOR AUTO buttons are operated same as in Steps 1 and 2 for rehearsal.
2. Press the AUTO REC/GOTOIN button.
   It will operate the same way as for rehearsal.
3. Press the PLAY button while pressing the RECORD button.
   It will be input monitor at MARK IN where recording is started, and at the same time recording is ended at MARK OUT, input monitor is canceled, and then playback for the postroll length and stop.
   During auto recording, the AUTO REC button LED will change from green to red lighting.

   <NOTE>
   If execution of auto recording is sttemped by pressing the RECORD and PLAY buttons when thge MARK IN an MARK OUT setup points are in opposite order, the erroe display "Err InOut" will be shown and nothing will occur. In such a case, new MARK IN/MARK OUT points should be setup.

4. When execution of auto recording is inished and the tarnsport stops, the AUTO REC mode will automatically cancell.
   If auto recording is to be executed again, repeat above operations from step 2.

8. Auto Play Function

Auto play is the function of automatically starting tape playback from the locate point upon completion of each locate operation.

When locate is executed with the AUTO REC mode ON (AUTO REC button LED will be lit), the MASTER and the cascade connected RD-8s will operate as follows.

When the MARK IN button is pressed:

All RD-8 will start locating toward the MARK IN point in the memory and upon completing locating, automatically start playback from the MARK IN point.

When the MARK OUT button is pressed:

All RD-8s will start locating toward the MARK OUT point in the memory and upon completing locating, automatically start playback from the MARK OUT point.

When the LOCATE button is pressed:

All RD-8s will start locating toward the time data (LOC point) in the memory and upon completing locating, automatically start playback from the LOC point.

9. Auto Return Function

Auto return is the function of playback up to the prefixed MARK OUT point, and then rewinding to the MARK IN point.

This function utilizes the MARK IN and MARK OUT points.

<NOTE>
In order to execute this auto return function, the MARK IN and MARK OUT points must be stored in advance in the memory.

* **When the auto return and auto play functions are used together, it is possible to repeat playback between a limited section (between the MARK IN and MARK OUT points).**

10. Memory Locate

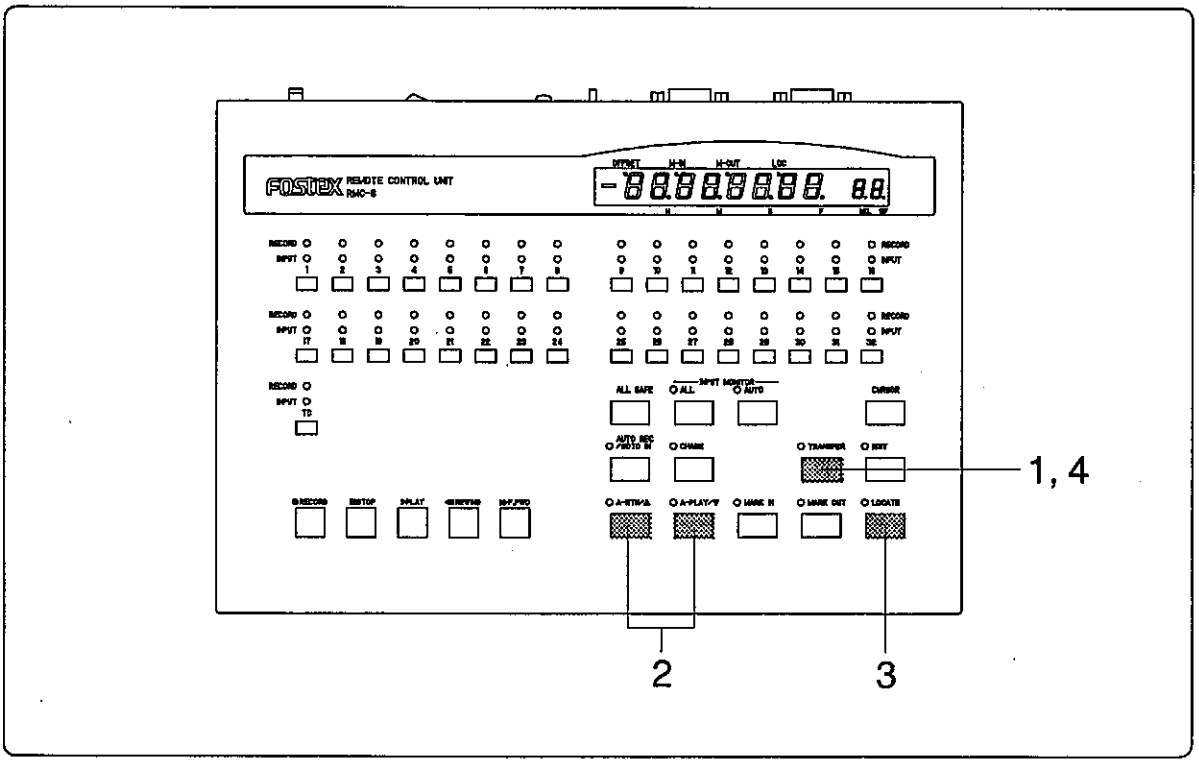
Memory locate is the function of fast winding or rewinding to the locate point stored in advance in the memory.

Because 100 locate points can be stored in the memory using LOC Nos. 00~99 without regard to the RD-8 main unit setting, locating is possible by specifying the LOC No. to which it is to be located.

There are two methods in storing locate points in the memory. The first is the real time method by which the TRANSFER button, and then the LOCATE button are pressed or second, by editing the time data and LOC No. in the editing mode, and then storing it in the memory.

10-1. Storing in Memory in Real Time

This is carried out with the RD-8s in the playback or stop modes.



Operating Procedure

1. Switch ON the TRANSFER button.

   The TRANSFER button LED will light, and while showing LTC in the display, numbers can now be input in the LOC No. section.

2. Using the ▲/▼ buttons, input the desired LOC No.

   If the ▲/▼ buttons are held down, increase or decrease of the speed of the input numbers will be accelerated.

3. Press the LOCATE button.

   With LOC No. displayed, if the LOCATE button is pressed without input of any data, any time data at the instant the button was pressed will be stored in the displayed LOC No. memory.

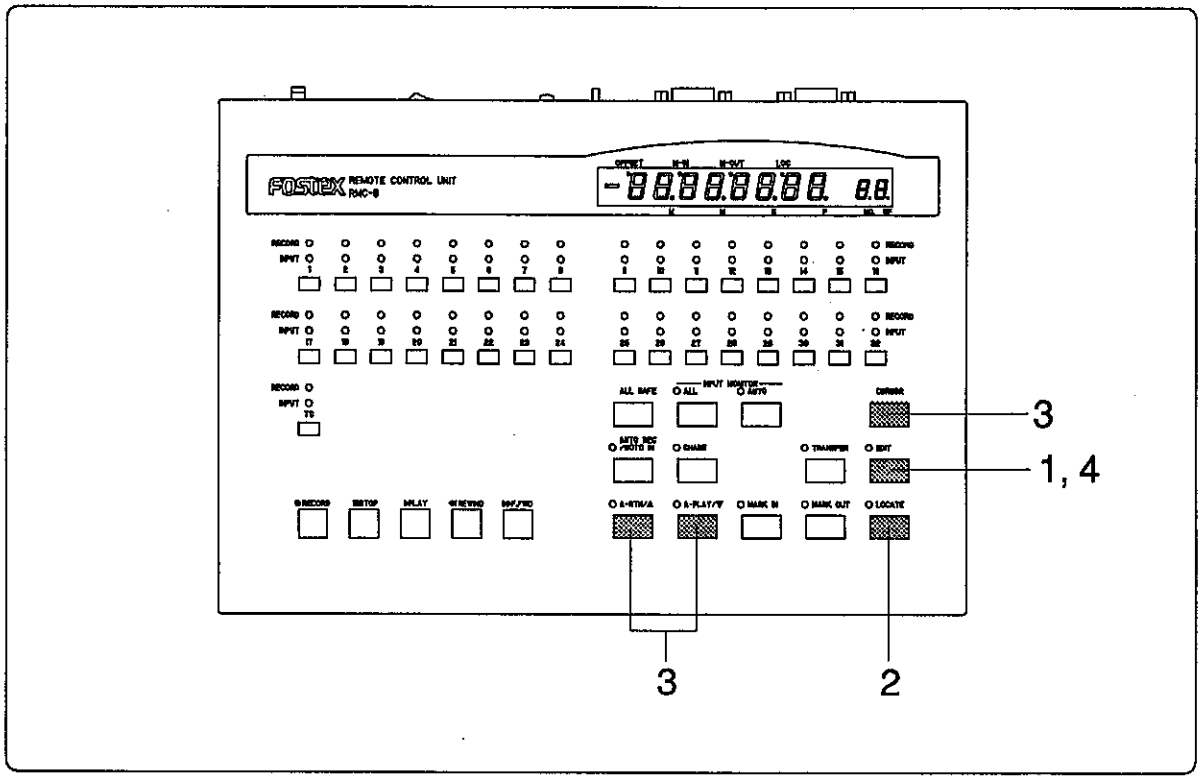
* **To store another point in the memory, move the tape position and repeat the above procedures.**

4. Press the TRANSFER button again.

   The TRANSFER button LED will be extinguished.

10-2. Editing of Memory Data

In this process, locate data already in the memory can be newly edited and put in the memory or a random data can be input and stored in the memory.



Operating Procedure

1. Press the EDIT button.

   Edit mode will be on and the EDIT button LED will light.

2. Then, press the LOCATE button.

   Data which was edited and stored in the memory before switch off of power will be displayed and the LOC No. section will blink.

3. Using the CURSOR and ▲/▼ buttons, edit the LOC No. and time data.

   If LOC No. only is specified and input, the display will change to time data of this specified LOC No. (When no data is in the memory for the specified LOC No., the display will be [00H:00M:00S:00F]).

CURSOR button:	The blinking dot will move in the following order: → No. → F → S → M → H → No. →
▲/▼ button:	Input numbers can be increased or decreased at the blinking dot. If the button is held down, the increase or decrease speed will be accelerated. The input numbers will be stored in real time in the memory.

4. Upon completing editing, press EDIT button again.

   The edit mode is canceled and the EDIT button LED will extinguish.

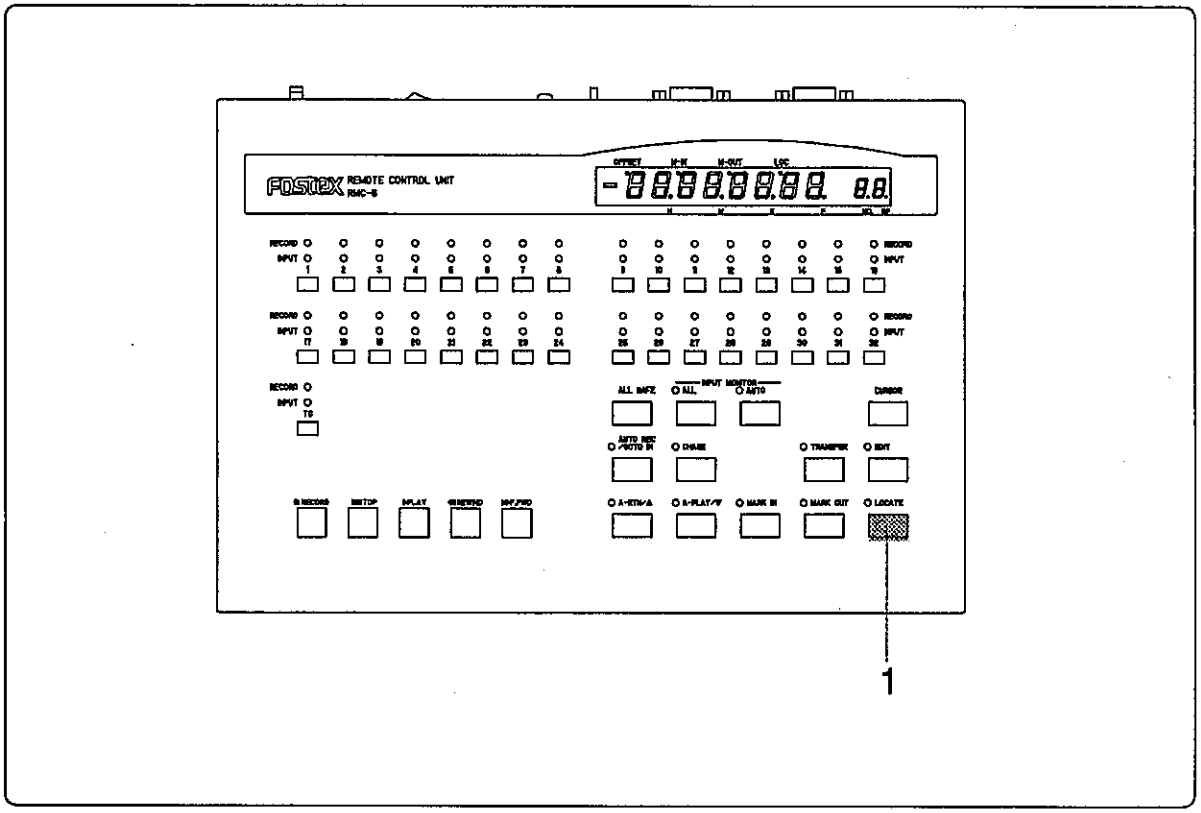
10-3. Locate Operation

There are three types of locate operation.

1. Direct location to presently displayed LOC No.
2. Locate by specifying LOC No. of location.
3. Locate by editing time data of location.

10-3-1. Locating to Presently Displayed LOC No. Time Data

Normally, in addition to displaying the presently operating LTC, the last edited LOC No. will always be displayed in the No. section. Here, it will directly locate to the presently displayed LOC No.



Operating Procedure

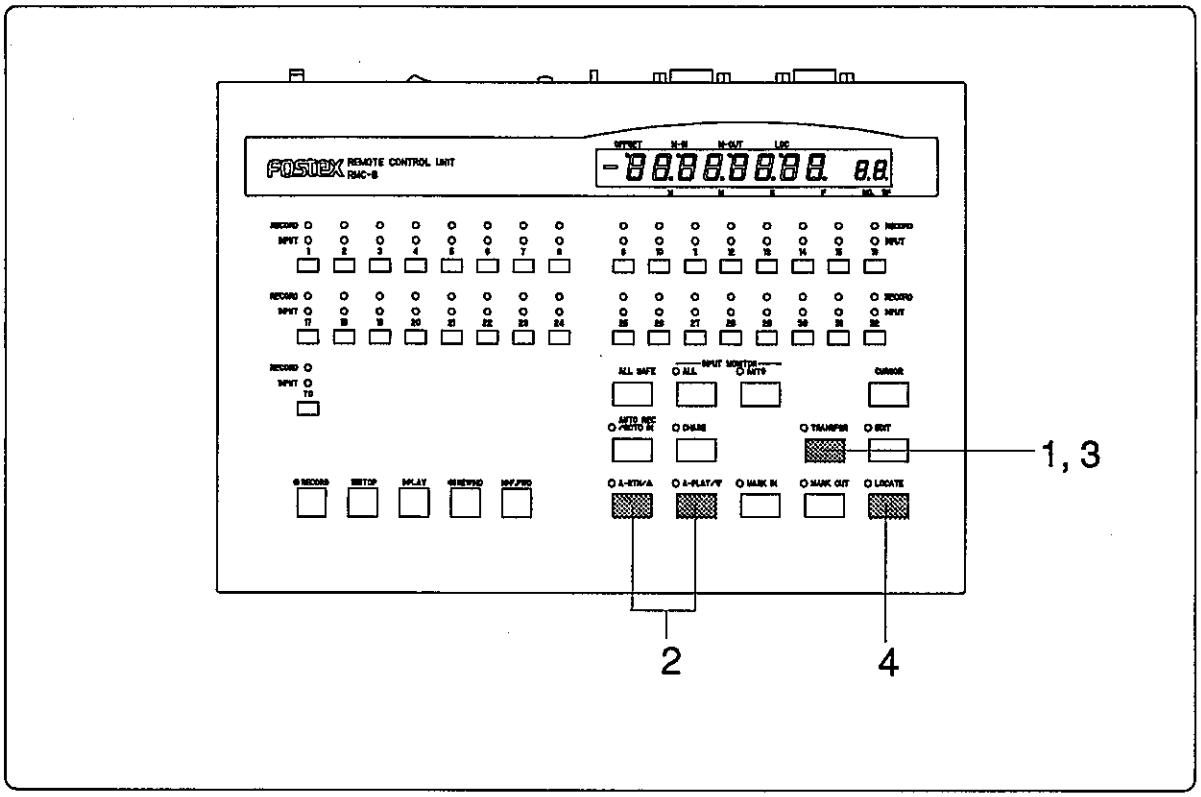
1. Press the LOCATE button.

   The MASTER and any cascade connected RD-8s will start locating toward the presently displayed LOC No. time data and upon completing locating, stop at the locate point together with preroll attached. The LED will light during execution of locate operation and be extinguished upon completing the locate operation.

* **If the AUTO PLAY mode is kept on, it will automatically playback from that point upon completion of the locate operation.**

10-3-2. Locating by Specifying the LOC No.

Here, LOC No. to which it is to be located is specified and locate to the time data which is stored in this LOC No. memory.



Operating Procedure

1. Press the TRANSFER button.

   The TRANSFER button LED will light.

   Together with display of the last edited LOC No., this LOC No. will blink to indicate that it can be edited.

2. Input LOC No. with the ▲/▼ buttons.

   It the button is held down, increase or decrease speed of the input number will be accelerated.

3. Press the TRANSFER button again.

   The TRANSFER button LED will extinguish.

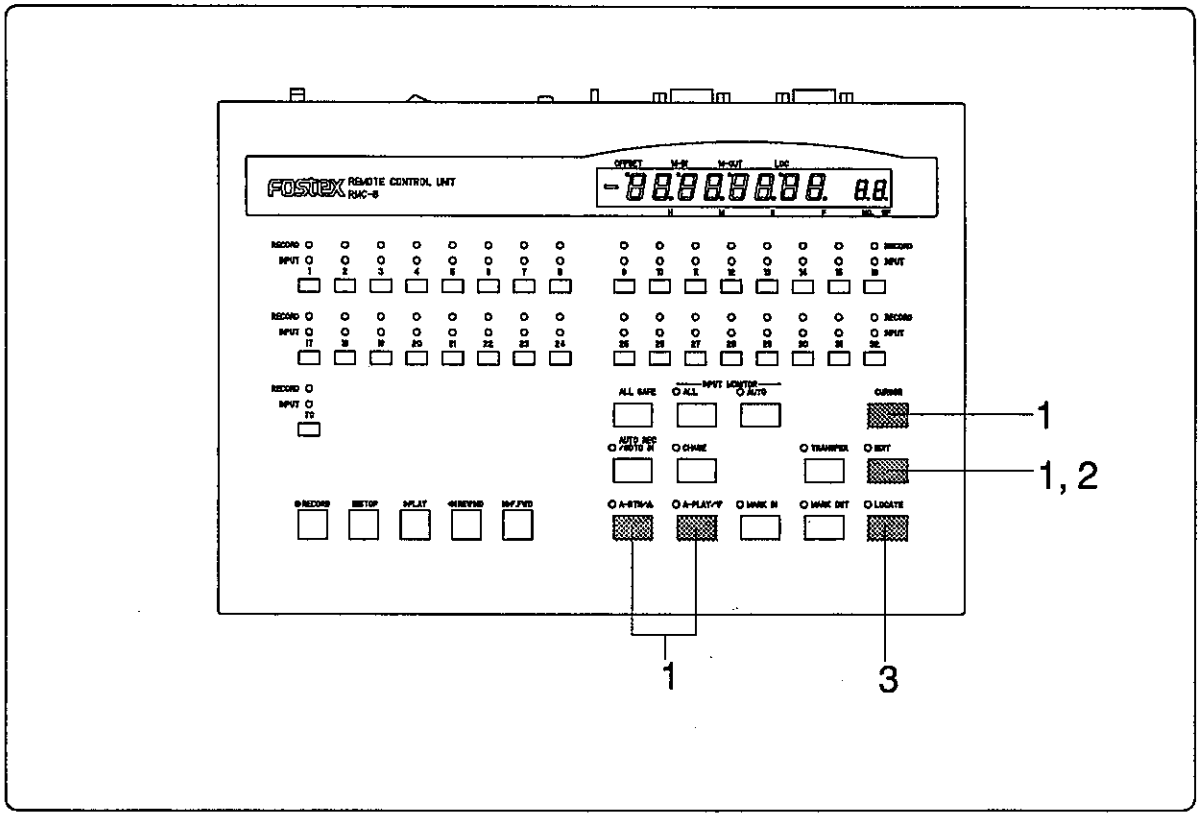
4. Press the LOCATE button.

   The MASTER and cascade connected RD-8s will start locating toward the specified LOC No. time data and upon completion, stop at the locate point attached with preroll. During execution of locate, the LOCATE button LED will be lit and be extinguished upon completion.

* **If the AUTO PLAY mode is kept ON, it will automatically playback from that point at completion of the locate operation.**

10-3-3. Locating After Editing the Time Data

Here, time data for locating is directly input and then located to that time data.



Operating Procedure

1. Time data for locating is edited by the same method in "10-2. Time Data Editing."

   Any edited time data will be stored in memory as a new data.

2. Switch OFF the EDIT button.

   The edit mode is canceled, and the EDIT button LED will be extinguished.

3. Press the LOCATE button.

   The MASTER and cascade connected R-8 will start locating toward the edited time data and after completing the locate operation, stop at the locate point attached with preroll.

   The LOCATE button LED will be lit during execution of locate operation and be extinguished upon completion.

* **If AUTO PLAY is kept ON, it will automatically playback from that point at completion of the locate operation.**

11. Chase Mode

In accordance to the contents setup by the CHASE mode of the MASTER RD-8, CHASE operation can be switched on or off by the remote controller CHASE button. The CHASE OFFSET figure can also be edited by this unit.

CHASE mode is the function of chase locking the MASTER RD-8 to the externally input time code.

<IMPORTANT>

The OFFSET display:

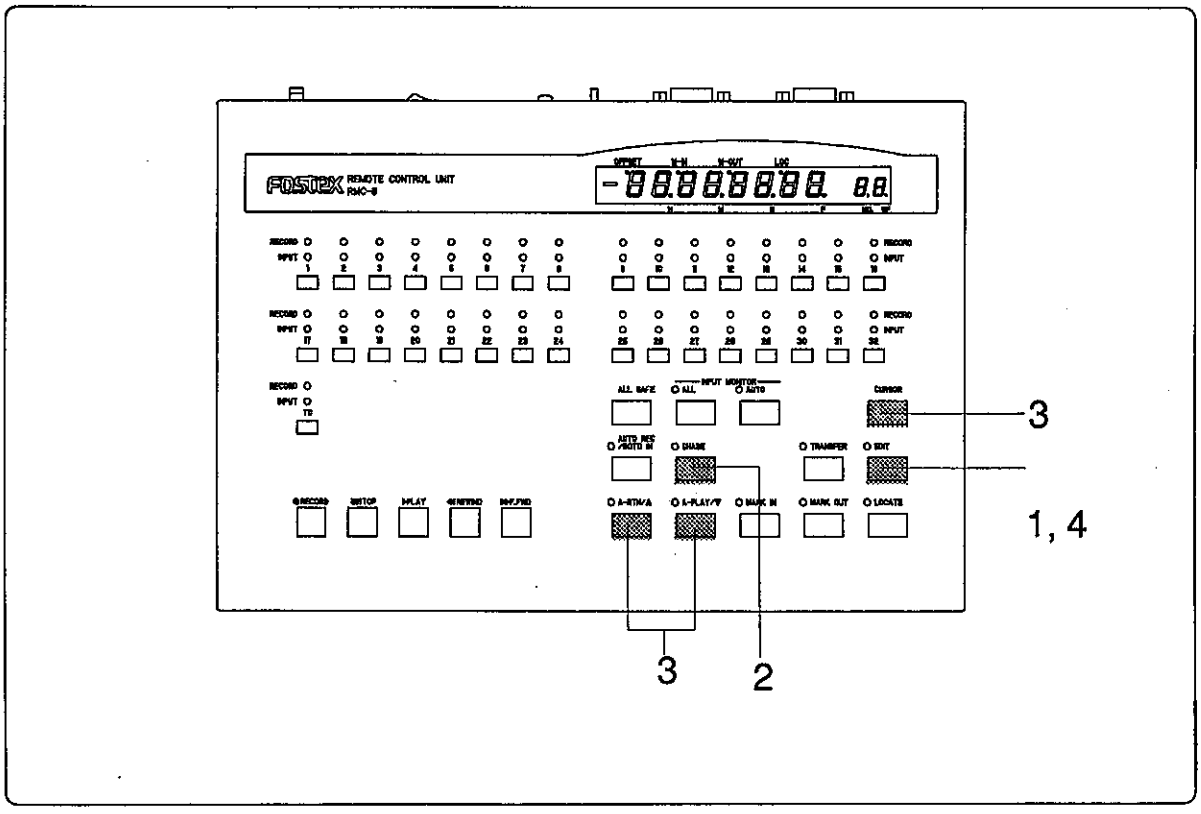
This is different from RD-8. The +/- display is employed for OFFSET in the RMC-8. However, when the RD-8 is running in sync with EXT-TC, the +/- display, in general, will display minus offset when the RD-8 is delayed with respect to the EXT-TC or plus offset when it is advanced. Because this procedure is also employed in the RMC-8, it will be opposite to the RD-8 display.

[Example]

If the RD-8 is displaying the OFFSET as 01h 00m 00s 00f 00sf, the RMC-8 will display - 01h 00m 00s 00f 00sf, and if RD-8 is displaying the OFFSET as 23h 00m 00s 00f 00sf, the RMC-8 will display 01h 00m 00s 00f 00sf.

* Refer to the RD-8 Owners Manual for details on various settings for the CHASE mode.

11-1. Editing of the CHASE OFFSET Figure



Operating Procedure

1. Press the EDIT button.

   Edit mode will switch on and the EDIT button LED will light.

2. Press the CHASE button.

   At the moment the CHASE button is pressed, the OFFSET figures of the external time code and the master unit time code will be displayed and at the same time, it becomes possible to edit the OFFSET figure.

3. Edit the OFFSET figure with the CURSOR and ▲/▼ buttons.

CURSOR button:	The blinking dot can be moved. SF → F → S → M → H → SF
▲/▼ button:	Input numbers of the blinking dot can be increased or decreased. If the button is held pressed, speed of increase or decrease will be accelerated. The input number will be stored in real time in the memory.

4. Press the EDIT buttons again.

   The edit mode will be canceled and the EDIT button LED will extinguish.

Specifications

☐ Connectors

RD-8 (For connecting RD-8)

Connector used: D-sub 9 pin, complies to RS422 specifications.

EXT 422 (For connecting external equipments)

Connector used: D-sub 9 pin, complies to RS422 specifications.

☐ Communication: Complies to SONY 9 PIN PROTOCOL

☐ Power supply: DC 9V, 400mA (Use the exclusive AC adaptor, AD-9)

AC adaptor power supply: 120VAC, 60Hz (USA, CND)
230V~, 50/60Hz (EUR)
230V~, 50Hz (UK)

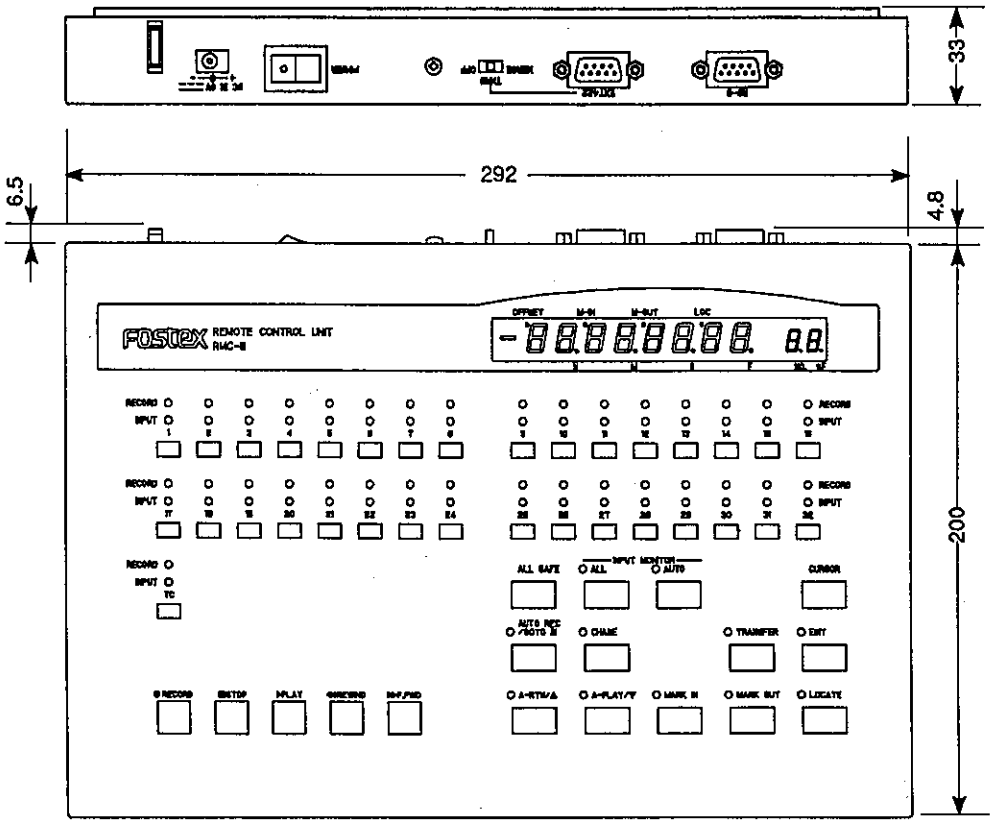
Power Consumption: 6W

☐ Physical dimensions: 292 (W) x 206.5 (D) x 33 (H) mm

☐ Main unit weight: Approx. 1.6kg (excluding accessories)

☐ Accessories: AC adaptor (Model AD-9)
Connecting cable (D-sub 9 pin cable x 5m)
Owners Manual

* **Specifications and physical appearance of this equipment is subject to change or improvement without advance notice.**



FOSTEX

FOSTEX CORPORATION
3-2-35 Musashino, Akishima-shi, Tokyo, Japan 196
FOSTEX CORPORATION OF AMERICA
15431, Blackburn Ave., Norwalk, CA 90650, U.S.A.

© PRINTED IN JAPAN JAN. 1995 8288 347 000 FX