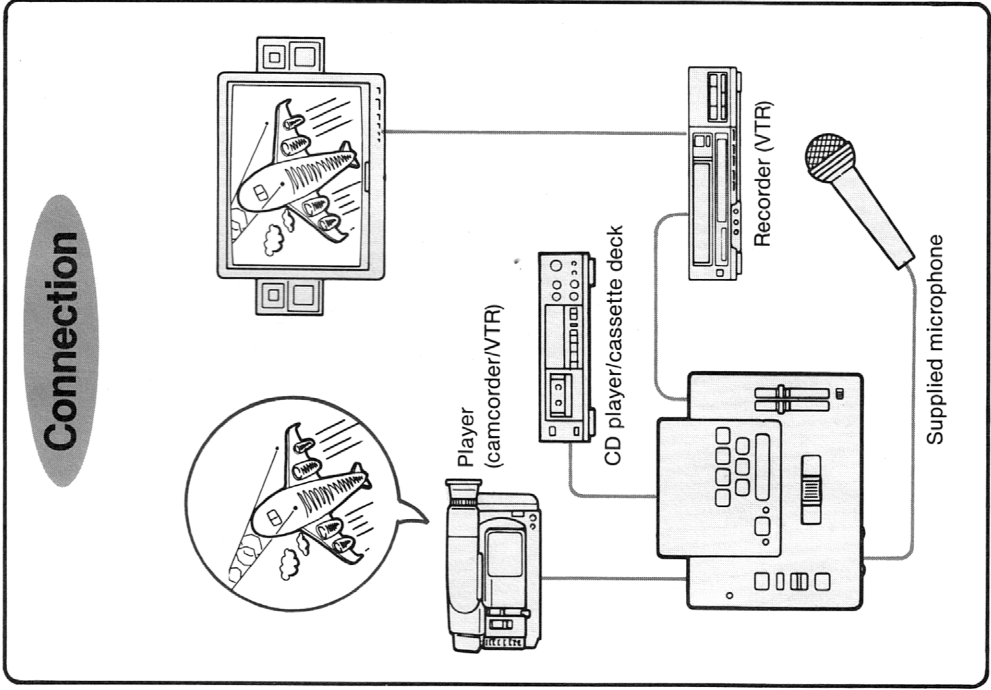


Trying Out the Sound Effector

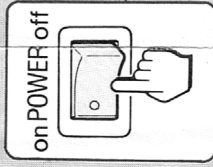
With the video sound effector, you can add various sound effects onto your videotape while editing. This sheet shows you the sound effector's most basic operations. For details about the operations, refer to the supplied Operating Instructions manual.



Sony Corporation ©1991 Printed in Japan

What You Can Do with the Sound Effector

First plug in the AC power cord into a wall outlet, then turn on the power.



Adding Sound Effects

While pressing the SHIFT button, you can activate the sound effect indicated on the lower part of the button.

Adding Your Voice Using Microphone

Connect the microphone and start narrating. You can hear your voice from the TV speaker.

Add an echo effect to your voice. You can hear your voice with echo.

Change the tone of your voice.

Tone becomes lower with each press.

Tone becomes higher with each press.

Fading In and Out the Picture and Sound

FADER
AUDIO VIDEO

For example, fade in the picture and sound of your videotape. To fade out, set the controls downwards.

Mixing the Sound from Music Tape or Compact Disc

MIXING

PLAYER

TAPE/CD

Sound from CD/tape decreases.

Sound from your videotape decreases.

Video Sound Effector

XV-A33F

10/8" x 7/8"

Operating Instructions

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



Family Studio

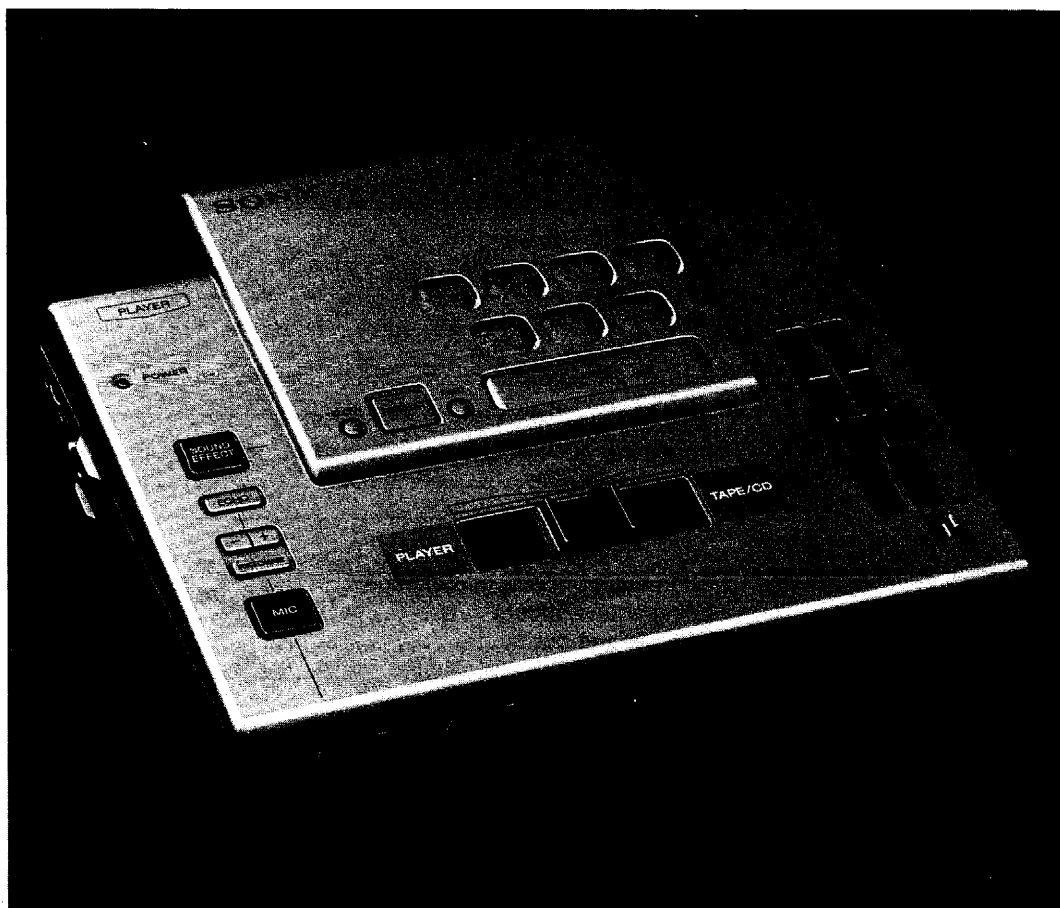
Video Sound Effector

XV-A33F

10 1/8" x 7 1/8"

Operating Instructions

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



Family Studio

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

NOTICE FOR THE CUSTOMERS IN THE UNITED KINGDOM IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol \perp or coloured green or green-and-yellow.

Table of Contents

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	Overview 4
	How to use this manual 5
	Identifying the parts 6
Preparation	Connecting video equipment 9
	Before you begin 13
Editing	Mixing CD or tape sound 14
	Mixing sound from a microphone 16
	Adding sound effects 18
	Fading in and out 21
Additional Information	Specifications 23
	Troubleshooting back cover

Precautions

- On safety** —————
- Do not open the cabinet. Refer servicing to qualified personnel only.
 - Should any liquid or solid object fall into the cabinet, disconnect the power source and have the unit checked by qualified personnel before operating it any further.
 - To disconnect the plug, pull it by the plug. Never pull the cord itself.
- On power sources** —————
- Operate the unit only on 240V (for UK)/220–230V (for other European countries) AC, 50 Hz.
- On installation** —————
- Do not install the unit
 - Near a heat source such as a radiator or an air duct.
 - In a place subject to direct sunlight, excessive dust, mechanical vibration or shock
 - Near an AM radio or a tuner
 - Do not set things on the unit.
- On cleaning** —————
- Clean the cabinet, panel and controls with a soft dry cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzine, which might damage the finish.

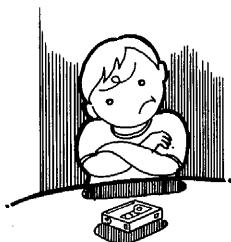
Note on copyright

Television programmes films, video tapes, and other materials may be copyrighted. Unauthorized recording of such materials may be contrary to the provision of the copyright laws.

Overview

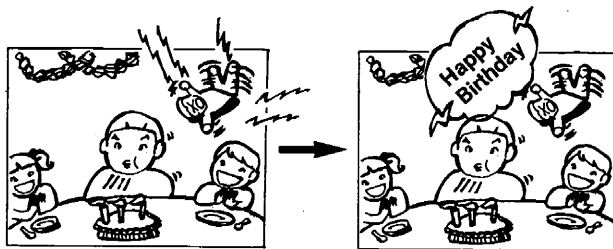
Using a camcorder is always enjoyable when you travel or want to record a special event. But when you later watch the videotape you have recorded, have you ever wished that you could re-record the sound or add some sound effect?

The video sound effector (the effector) helps you make your videotape more fun and memorable by adding sound effects to your videotape.

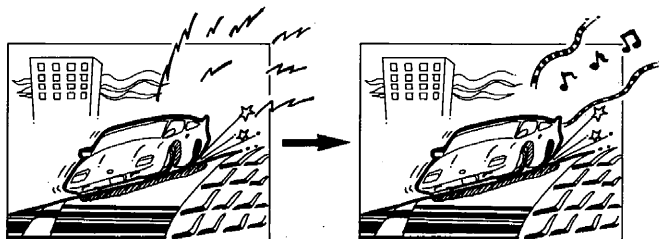


The video sound effector allows you to do the following:

Add narration using a microphone



Add background music to your videotape



Fade in and out both picture and sound

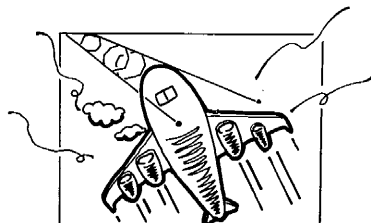
Add echo or change the tone of narrating voice



Add sound effects (such as dog barking, or a ringing telephone) to your videotape.



Add simulated stereo effect to monaural sound



How to Use This Manual

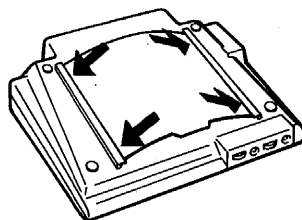
This manual consists of the following four sections.

- Introduction** — This section contains the precautions, overview, and identifies the parts and functions of the video sound effector.
- Preparation** — This section describes the connection of video equipment and information you should know before you start operating the video sound effector.
- Editing** — This section describes the operations of the video sound effector.
- Additional information** — This section provides specifications and troubleshooting.

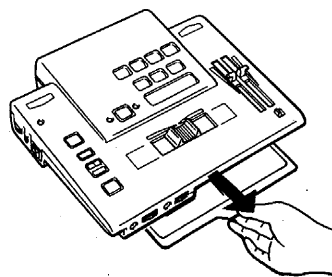
Using the Quick Reference Card

The quick reference card provides the function of the buttons for using the video sound effector. Before using the card, peel off the film. Attach the card to the bottom of the unit, and pull the card out to refer to it whenever necessary.

Bottom



Front



To attach the card, bend it and insert both ends into the slots.

Identifying the Parts

Familiarize yourself with the parts of the effector before you start the operations.

SIMULATED STEREO (ON/OFF) switch

You can add simulated stereo sound effect to monaural sound. Set to ON for simulated stereo sound.

If the original sound is stereo, you can make the sound more dynamic.

Set to OFF if a noise makes the sound hard to hear.

PLAYER AUDIO LEVEL control

Use this control to adjust the sound input from VCR INPUT jacks.

POWER switch and indicator

Switch on to turn on the power. The indicator lights up when the power goes on.

PHONES jack and PHONE LEVEL control

Connect the headphones to the PHONES jack. You can adjust the volume with the PHONE LEVEL control.

VCR INPUT (AUDIO R, L/VIDEO/S-VIDEO) jacks

Use these jacks to connect to the player with the output jacks.

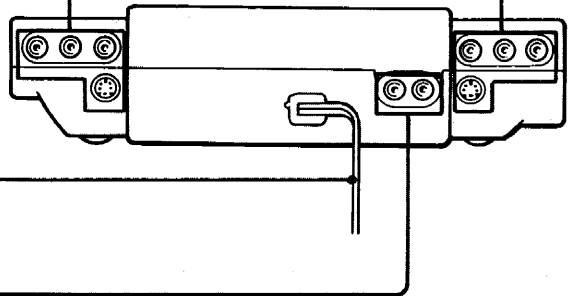
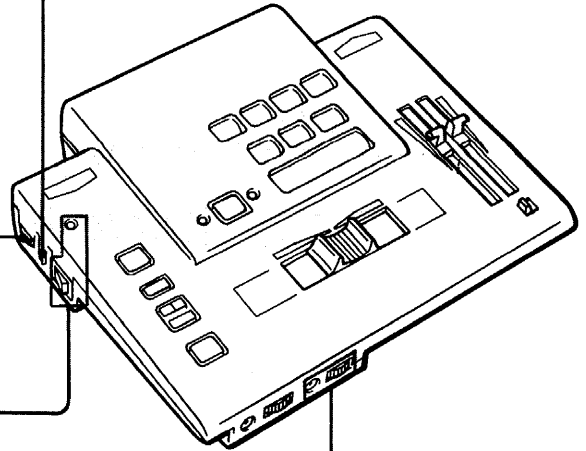
VCR OUTPUT (AUDIO R, L/VIDEO/S-VIDEO) jacks

Use these jacks to connect to the recorder with the input jacks.

AC power cord

TAPE/CD INPUT (AUDIO R, L) jacks

Use these jacks to connect to the compact disc player or cassette deck so that you can add background music to your videotape.



Parts used for mixing the sound input from a tape or CD

MIXING control

Use this control to adjust the sound balance when you mix the sound from the player and the sound input from TAPE/CD INPUT.

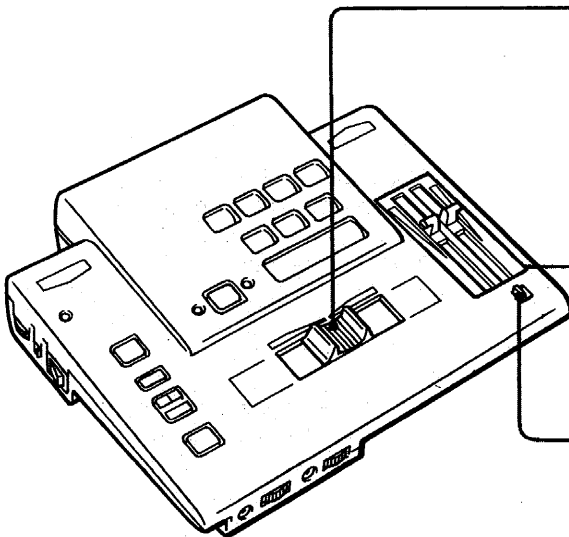
Parts used for fading in/out

FADER (AUDIO/VIDEO) control

Use this control to make the picture and sound fade in or out.

SELECT (B/W) switch

Select black or white colour of the picture fader.



Parts used for mixing the sound from a microphone

ECHO button

Press this button to add echo effect to the sound from a microphone.

VOICECHANGE, +/- button

You can change the tone of your voice into 16 different levels.

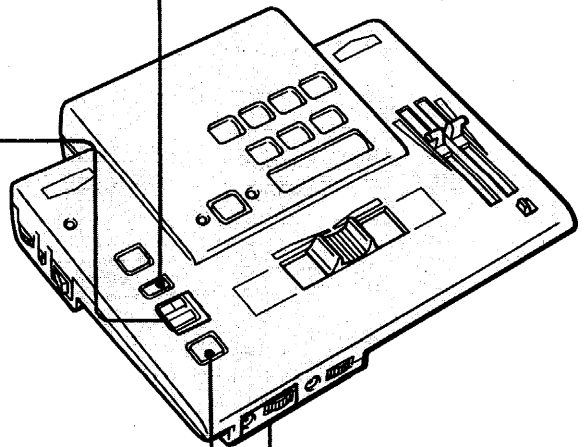
Press - button to lower the tone, and press + to raise the tone. The tone changes in 8 stages, about an octave each way.

MIC button

Press this button to input the sound from a microphone.

MIC jack (monaural mini jack) and MIC LEVEL control

Use the MIC jack to connect a microphone. Adjust the volume level with the MIC LEVEL control.



Parts used for adding sound effects

SOUND EFFECT button

Press this button to activate the sound effect buttons.

Sound effect buttons

Press these buttons to add various sound effects.

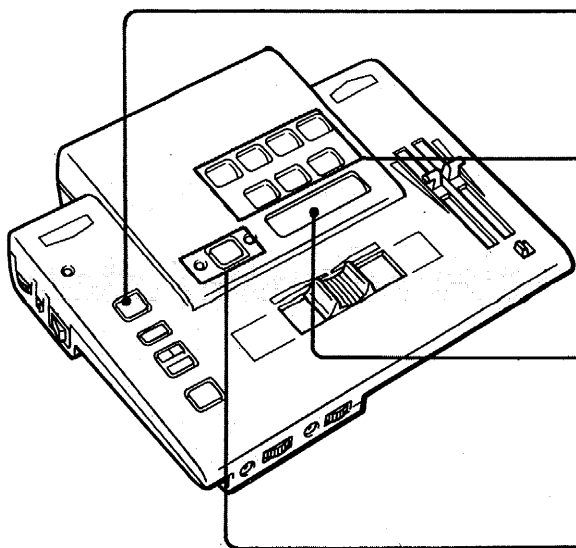
There are 14 kinds of sound if you use these buttons with the SHIFT button.

SHIFT button

Use this button to use the sound effect indicated on the lower part of the button. While pressing this button, press the desired sound button.

REPEAT (SLOW/FAST) buttons

Use this button if you want to repeat the sound effect. Use FAST or SLOW buttons to adjust the speed of the interval between the sound. Each time you press the button, the speed changes by one stage (total of 21 stages.)

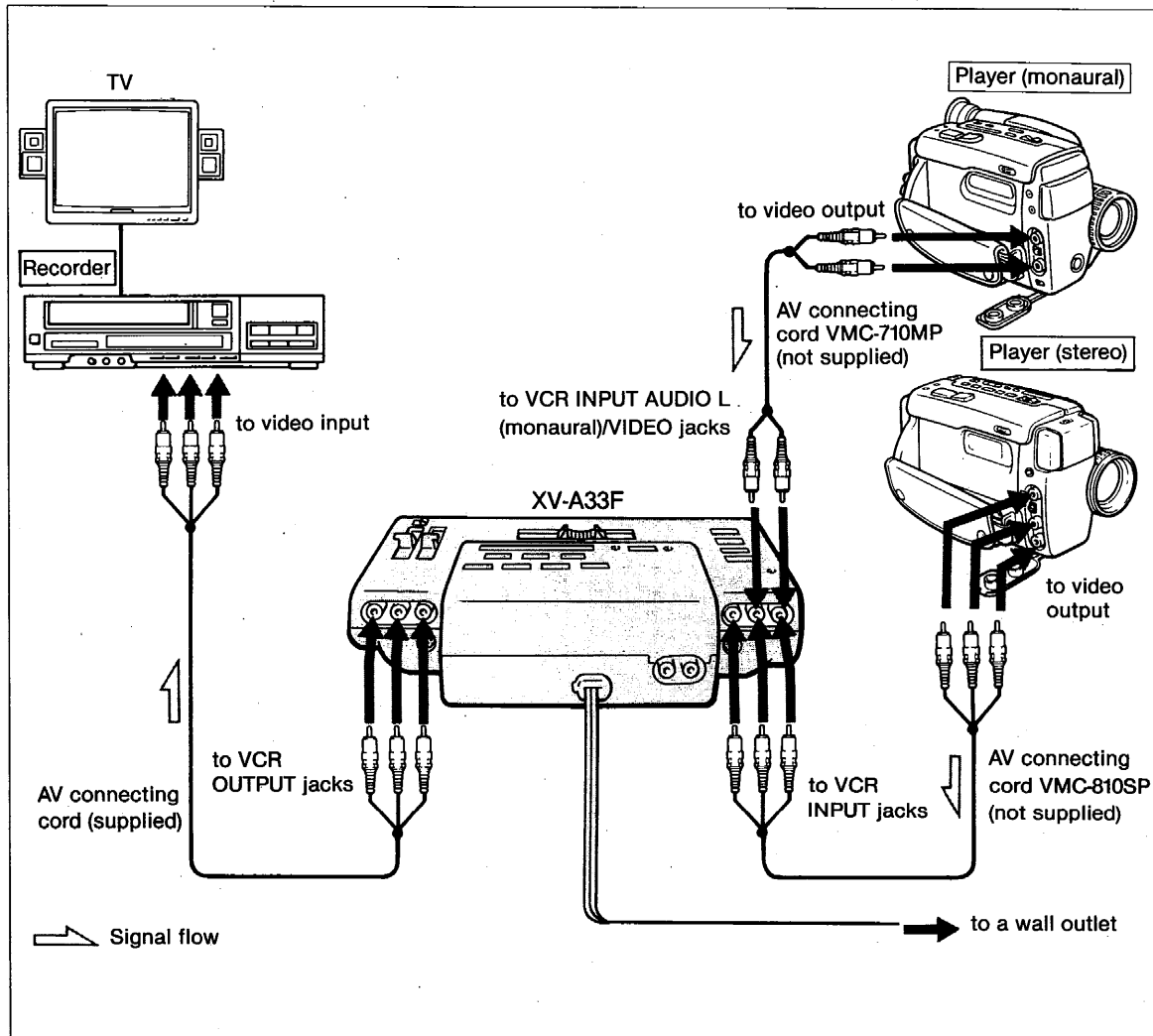


Connecting Video Equipment

For details about the video equipment, refer to its instruction manual.

Connecting VTRs

The following illustration shows the connection of the effector with the video equipment.

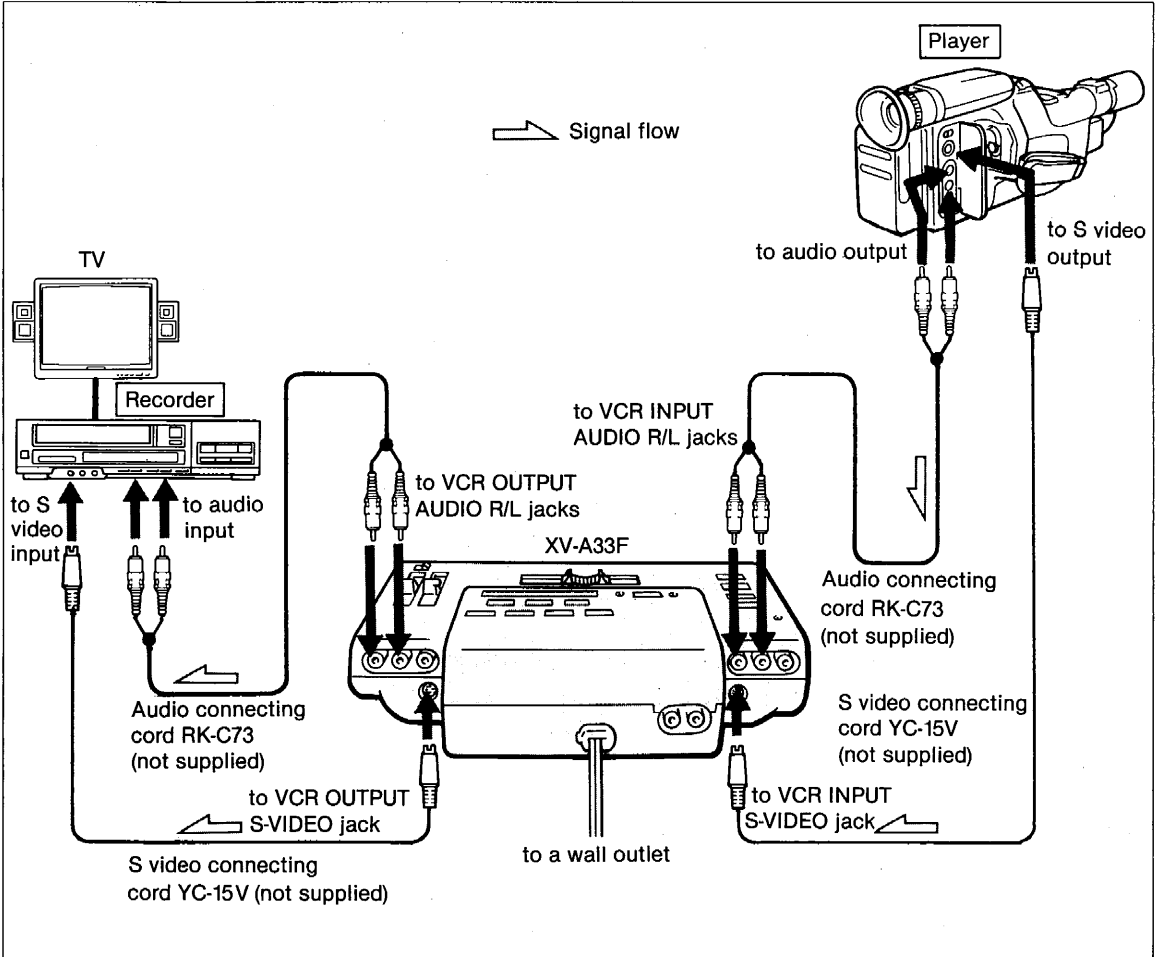


Note

If your VTR has BNC or SCART connector, refer to the table on page 12.

Connecting VTRs with S Video Jack

The following illustration shows the connection of the effector with video equipment that has the S video jacks.



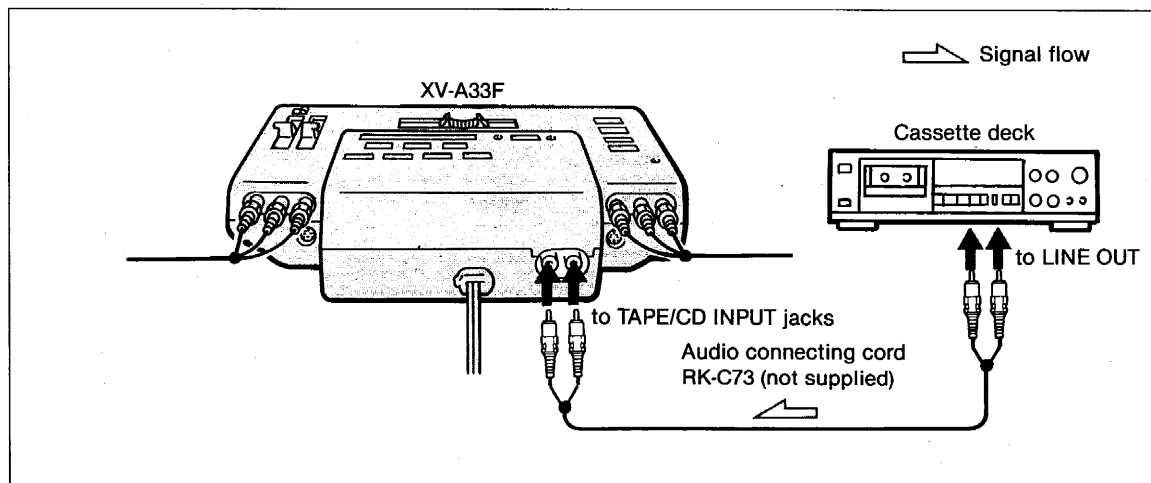
When using the S video jacks

When you use either the video input jack or the S video input jack to input the signal from the player, the signal is output from both the video output jack and the S video output jack.

But to get a clearer picture from the player, we recommend you to use the S video jacks of the player and the recorder when using the S video jacks of the effector, or use the video jacks of the player and the recorder when using the video jacks of the effector.

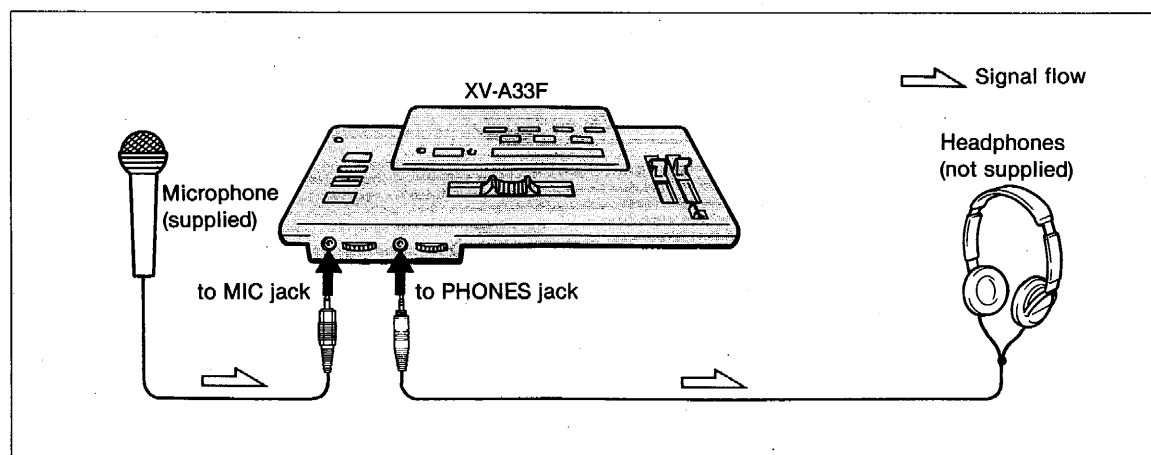
Connecting Audio Equipment for Mixing Sound

The following illustration shows the connection of the effector with audio equipment such as a compact disc player or cassette deck.



Connecting a Microphone

The following illustration shows the connection of the effector with the supplied microphone.



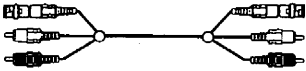
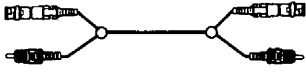
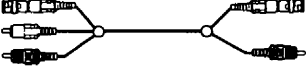
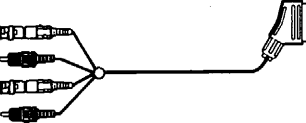
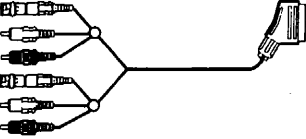
To listen to the sound with headphones

Connect headphones (not supplied) to the PHONES jack. You can adjust the volume with the PHONE LEVEL control.

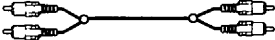
Connecting Cords

Select the optional connecting cords according to whether your video equipment is stereo or monaural.


For video/audio connection

Stereo ↔ stereo		
VMC-810SP (1m) VMC-820SP (2m)	Phono × 3 (BNC 1) 	Phono × 3 (BNC 1)
Monaural ↔ monaural		
VMC-710MP (1m) VMC-720MP (2m)	Phono × 2 (BNC 1) 	Phono × 2 (BNC 1)
Stereo ↔ monaural		
VMC-910MSP (1m) VMC-920MSP (2m)	Phono × 3 (BNC 1) 	Phono × 2 (BNC 1)
Monaural ↔ SCART		
VMC-2104	Phono × 4 (BNC 2) 	SCART
Stereo ↔ SCART		
VMC-2106	Phone × 6 (BNC 2) 	SCART

For audio connection

RK-C73 (1m) RK-C74 (1.5m)	Phono × 2 	Phono × 2
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For S video connection

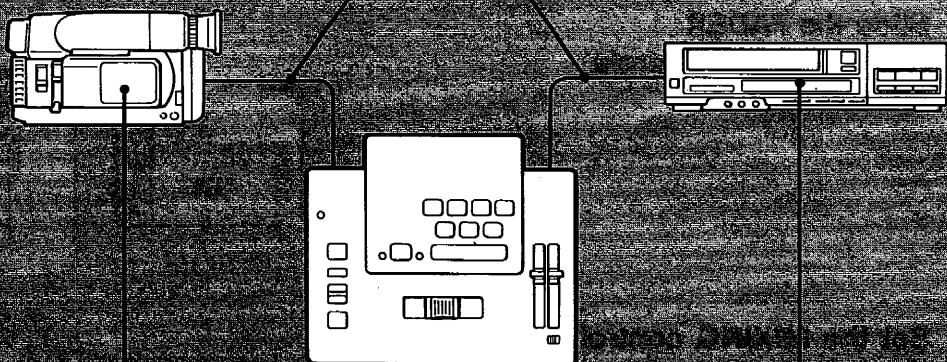
YC-10V (1m) YC-15V (1.5m)	S video 	S video
------------------------------	--	---------

Before You Begin

Before using the effector, check the connections and prepare the player and the recorder as follows:

Check the connection

Check that the player and the recorder are connected to the effector. If not, refer to pages 9–10.



Check the player (for example, camcorder)

- Insert the originally recorded tape.
- If the player has an input/output selector for the audio/video jacks, set it to output.
- If your camcorder has an edit switch, set it to ON.
- Set the power switch to PLAYER or ON.

Check the recorder

- Insert a tape for recording. Check that the safety tab is not in the preventive position.
- Set the input selector to LINE IN.
- Make the necessary settings for recording such as recording mode, recording level, etc. See the operating instructions of the recorder for details.

Note

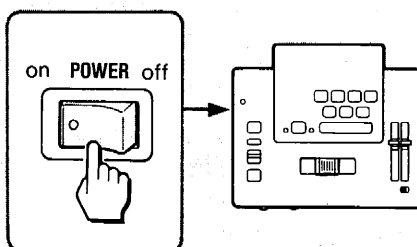
Do not place the effector on video equipment as it may cause noise on picture and sound.

Mixing CD or Tape Sound

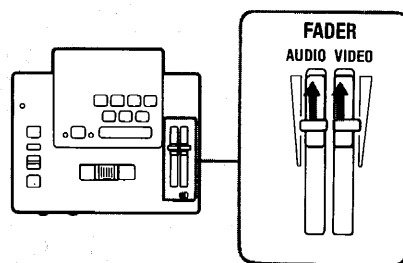
This section explains how to add sound such as music to your videotape. You can also adjust the balance of the music and original sound of your

videotape. For example, add the music input from TAPE/CD INPUT to the sound of the videotape input from VCR INPUT.

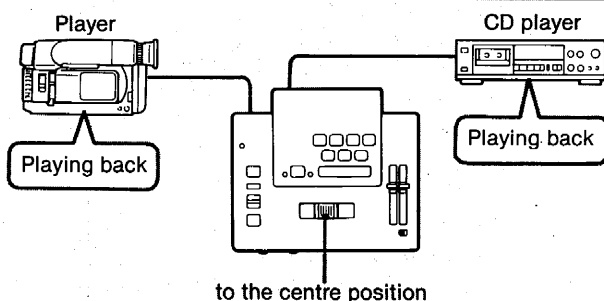
1 Turn on the power.



2 Slide the FADER AUDIO/VIDEO controls upwards.

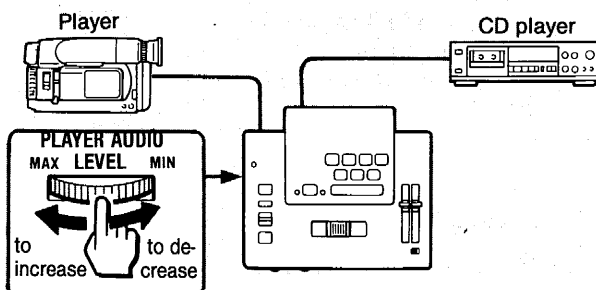


3 Set the MIXING control to the centre position, and start playing your videotape and a compact disc (or a music tape.)



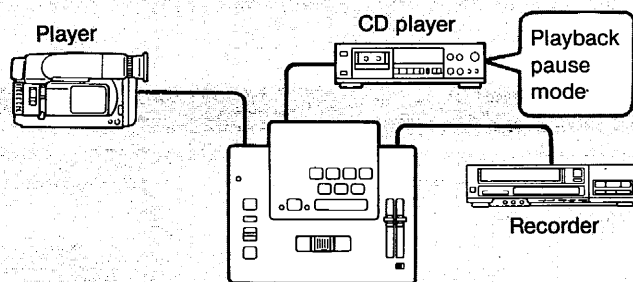
4 Adjust the sound volume of your videotape with PLAYER AUDIO LEVEL control.

Set the volume at about the same level as the music.

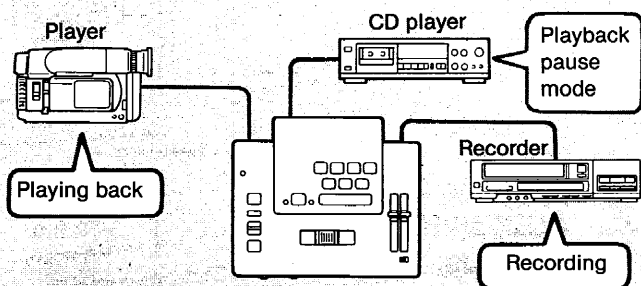


Mixing the Sound

- 1 Set the compact disc player (or cassette deck) to playback pause mode.



- 2 Start playback and recording.



- 3 Release playback pause mode on the CD player (or cassette deck) at the point you want to add the sound.

Note on the MIXING control

The MIXING control adjusts the balance of the sounds between your original videotape and the audio source.

The balance changes as follows:

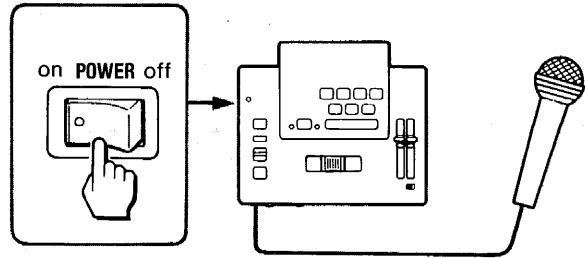
	The volume of CD/tape remains the same while the volume of the videotape decreases.
	The volume of the videotape remains the same while the volume of CD/tape decreases.
	Only the sound of the videotape is heard at the beginning, then the volume of CD/tape increases.
	Only the sound of the CD/tape is heard at the beginning, then the volume of the videotape increases.

Mixing Sound from a Microphone

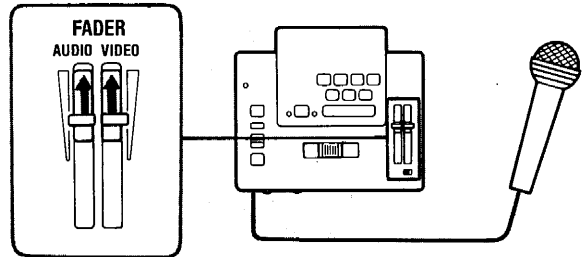
This section explains how to add a narration onto your videotape using a microphone. The sound from a microphone is recorded in monaural.

Preparation

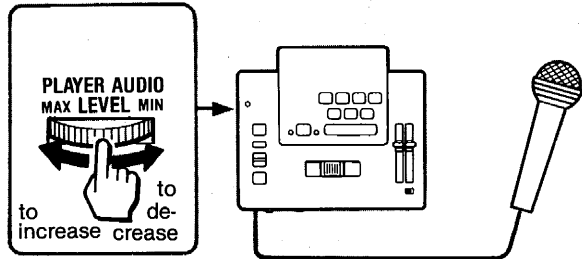
1 Turn on the power.



2 Slide the FADER AUDIO/VIDEO controls upwards.

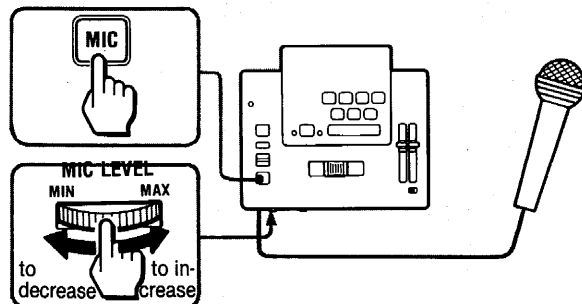


3 Set the PLAYER AUDIO LEVEL control to the centre position.



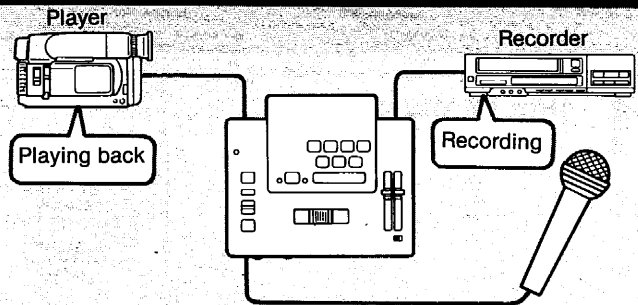
4 Depress MIC. Adjust the volume of the microphone with MIC LEVEL control.

After adjusting the volume, press MIC again.



Mixing the Sound

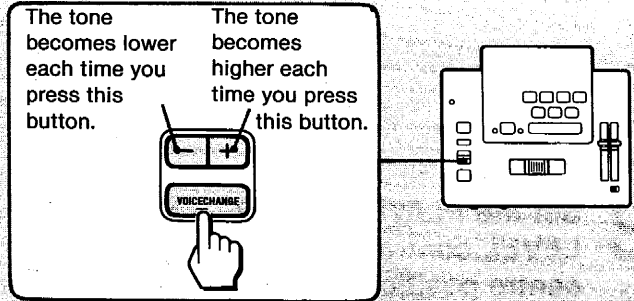
1 Start playback and recording.



2 Depress MIC at the point you want to add the sound, and start narrating.

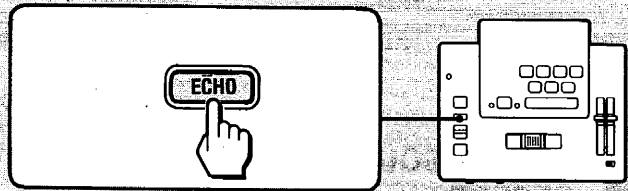
To change the tone of the microphone sound

Depress VOICECHANGE.



To add echo effect on the microphone sound

Depress ECHO.



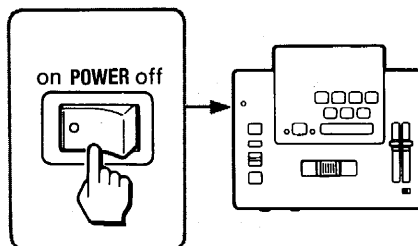
After mixing the sound
Press MIC again.

Adding Sound Effects

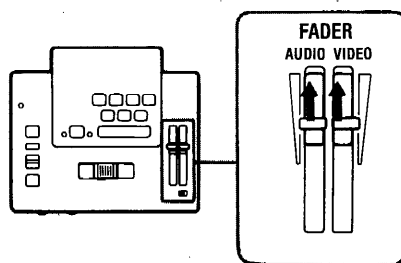
You can add up to 14 kinds of sound effects while editing tapes.

Preparation

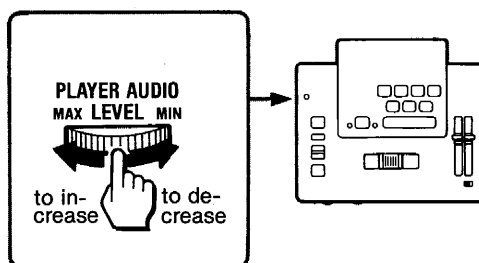
1 Turn on the power.



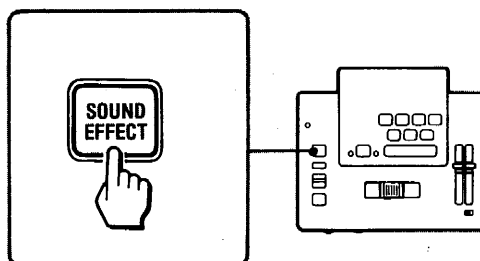
2 Slide the FADER AUDIO/VIDEO controls upwards.



3 Set the PLAYER AUDIO LEVEL control to the centre position.

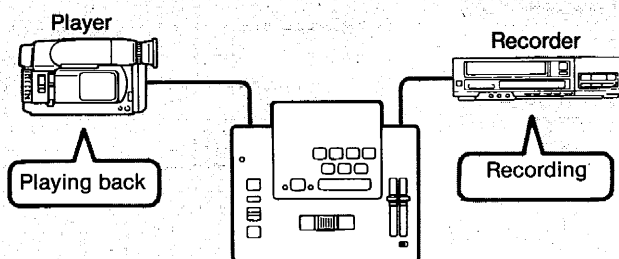


4 Depress SOUND EFFECT.



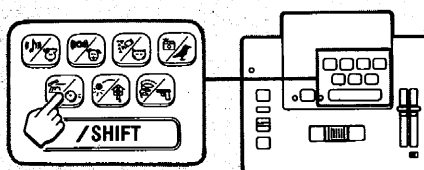
Adding the Sound Effect

1 Start playback and recording.

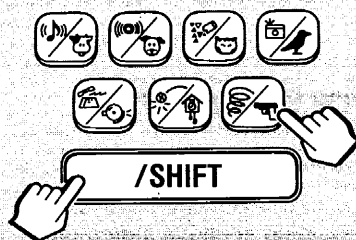


2 Press one of the sound effect buttons at the point you want to add the sound effect.

Each time you press a button, the selected sound is heard once.



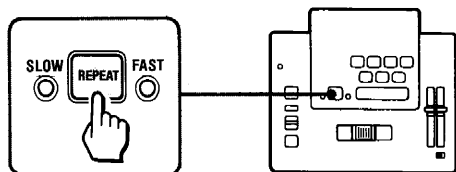
To use the sound effect indicated on the lower part of the button, press the button while pressing SHIFT.



After adding the effect
Press SOUND EFFECT again.

To repeat the sound effect

Depress REPEAT.

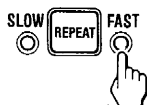


To make the speed between the sound faster

Press FAST.

Each time you press the button, the speed becomes faster by 1 stage (total of 10 stages).

When the interval is shorter than the sound effect, the last part of the sound effect may be missed.

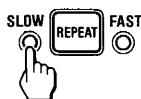


To make the speed between the sound slower

Press SLOW.

Each time you press the button, the speed becomes slower by 1 stage (total of 10 stages.)

The length of the sound effect remains the same.



To repeat plural sound effects

While repeating a sound effect, press another kind of sound effect button. You can add up to 5 sound effects.

If you press the button in the middle of a sound effect, the prior sound effect is erased, and the latter is heard.

To stop repeating the sound effect

Press REPEAT again.

Note

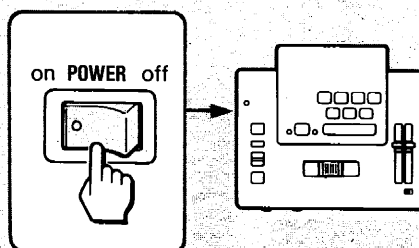
The memorized repeating sound is stored until you press SOUND EFFECT again or turn the power off.

Fading In and Out

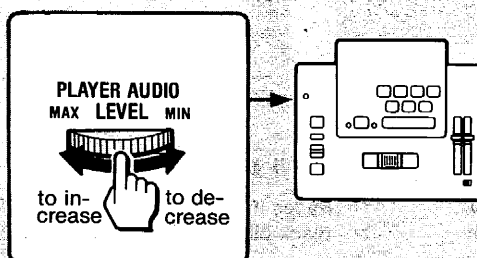
This section explains how to fade in and out both picture and sound.

Preparation

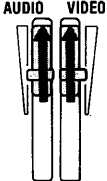
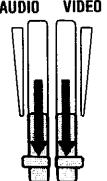
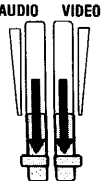
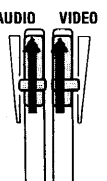
1 Turn on the power.



2 Set the PLAYER AUDIO LEVEL control to the centre position.

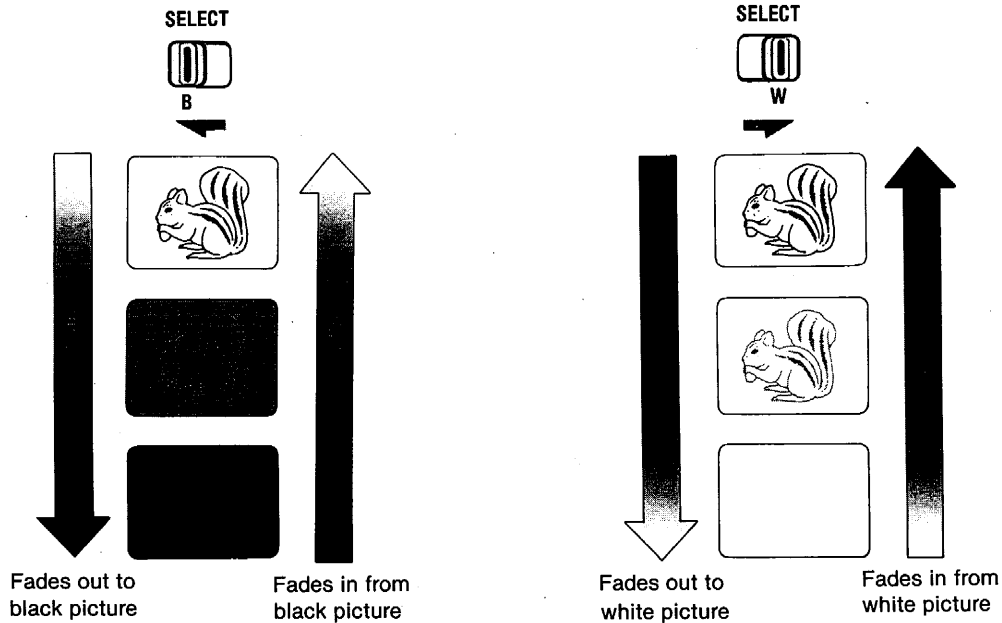


Starting Fading In and Out

	Fading Out	Fading In
1	<p>Slide the FADER AUDIO/VIDEO controls upwards.</p> 	<p>Slide the FADER AUDIO/VIDEO controls downwards.</p> 
2	Start playback and recording.	
3	<p>At the point you want to fade out the picture and sound, slide both controls downwards.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>The sound gradually decreases.</p> </div> <div style="text-align: center;"> <p>The picture gradually fades out.</p> </div> </div>	<p>At the point you want to fade in the picture and sound, slide both controls upwards.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>The sound gradually increases.</p> </div> <div style="text-align: center;"> <p>The picture gradually appears.</p> </div> </div>

Selecting the colour for picture fader

You can select black or white for picture fader.



Note

When no signal is input, picture fader does not function.

S video input/ 4-pin mini DIN output

Luminance signal: 1 Vp-p, 75-ohms unbalanced, sync negative

Chrominance signal: 300mVp-p, 75-ohms

Phono jack 1 Vp-p, 75 ohms, unbalanced, sync negative

Audio input/output Phono jack

Input impedance: more than 47 kilohms

Input level: -7.5 dBs (0 dBs = 0.775Vrms)

Output level: -7.5 dBs

Output impedance: less than 10 kilohms

Phono jack Input impedance: more than 47 kilohms

Input level: -7.5 dBs

Monaural mini jack Input impedance: more than 3 kilohms

Stereo mini jack Output impedance: 47-ohms

Power requirement AC 240 V (for Australia and UK)/220-230 V (for other countries), 50 Hz

Power consumption 8 W

Operating temperature 5°C (41°F) to 40°C (104°F)

Storage temperature -20°C (-4°F) to 60°C (140°F)

Dimensions Approx. 265×68×230mm (w/h/d)

Weight (10½×2¾×9½ inches) Approx. 1.2kg (2 lb 10 oz)

Supplied accessories Microphone (1)

AV connecting cord (1)

Operating instructions (1)

"Tying out the sound effector" sheet

Quick reference card

Design and specifications are subject to change without notice.

Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

Troubleshooting

Refer to the following table if you have problems with your effector. If problems continue, consult your nearest Sony dealer.

Cause/Solution		Trouble	
		The power does not go on.	
The power cord is not connected to the AC outlet.		No sound	
<ul style="list-style-type: none"> • Is the PLAYER AUDIO LEVEL control set to the centre position? • If the FADER AUDIO control is set to downward position, slide it upwards. • Is the MIXING control set to the proper position? 		No picture	
<ul style="list-style-type: none"> • If the FADER VIDEO control is set to downward position, slide it upwards. • Check the connection. 		The monaural sound is heard only from the right speaker.	
Check to see if the audio plug is connected to AUDIO L.		Cannot fade the picture in or out.	
Is the video signal input?		VOICECHANGE or ECHO does not function.	
Is the MIC button set to on?		VOICECHANGE or ECHO only function on the sound from microphone.	