

Video Cassette Player

Operating Instructions



SLV-KA200PL

SLV-KF300PL Hi-Fi

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.

The mains lead must only be changed at a qualified service shop.

Caution

Television programmes, films, video tapes, and other materials may be copyrighted. Unauthorized recording of such material may be contrary to the provisions of the copyright laws. Also, use of this recorder with cable television transmission may require authorization from the cable television transmitter and/or programme owner.

Precautions

Safety

- This unit operates on 110 – 240 V AC, 50/60 Hz. Check that the unit's operating voltage is identical with your local power supply.
- If anything falls into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- The unit is not disconnected from the mains as long as it is connected to the mains, even if the unit itself has been turned off.
- Unplug the unit from the mains if you do not intend to use it for an extended period of time. To disconnect the cord, pull it out by the plug, never by the cord.

Installing

- Allow adequate air circulation to prevent internal heat buildup.
- Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation slots.
- Do not install the unit near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Do not install the unit in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the unit and cassettes away from equipment with strong magnets, such as microwave ovens or large loudspeakers.
- Do not place heavy objects on the unit.
- If the unit is brought directly from a cold to a warm location, moisture may condense inside the unit and cause damage to the video head and tape. When you first install the unit, or when you move it from a cold to a warm location, wait for about one hour before operating the unit.

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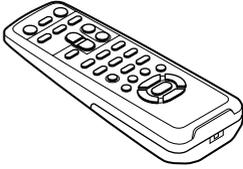
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Step 1

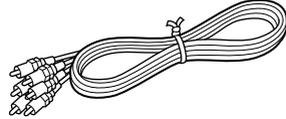
Unpacking

Check that you have received the following items with the unit:

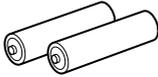
- Remote commander



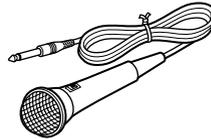
- Audio/video cable (3-phono to 3-phono)



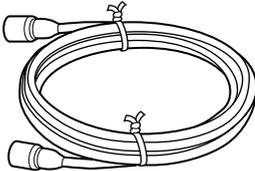
- R6 (Size AA) batteries



- Microphone



- 75-ohm coaxial cable with F-type connectors



Checking your model name

The instructions in this manual are for the 2 models: SLV-KA200PL and KF300PL. Check your model number by looking at the rear panel of your unit. The SLV-KF300PL is the model used for illustration purposes. Any difference in operation is clearly indicated in the text, for example, "SLV-KA200PL only."

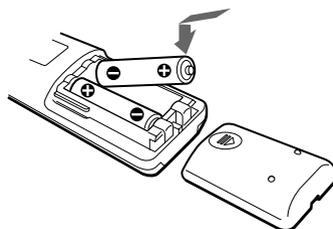
Step 2

Setting up the remote commander

Inserting the batteries

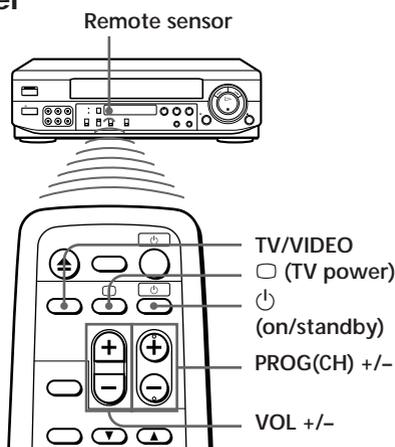
Insert two R6 (size AA) batteries by matching the + and - on the batteries to the diagram inside the battery compartment.

Insert the negative (-) end first, then push in and down until the positive (+) end clicks into position.



Using the remote commander

You can use this remote commander to operate the unit and a Sony TV. To operate this unit, point at the remote sensor on the unit. To operate the TV, point at the remote sensor on the TV.



To	Press
Turn the TV to standby or active mode	⏻ (on/standby)
Turn on the TV power	⏻ (TV power)
Increase (+) or decrease (-) the TV volume	VOL +/-
Change the TV programme position	PROG(CH) +/-
Select an input source of the TV either from aerial in or from line in	TV/VIDEO

Notes

- With normal use, the batteries should last about three to six months.
- If you do not use the remote commander for an extended period of time, remove the batteries to avoid possible damage from battery leakage.
- Do not use a new battery with an old one.
- Do not mix different types of batteries.

Step 3

Hookups

Selecting the hookup

There are basically two ways to hookup this unit depending on whether your TV has audio/video inputs or not.

If your TV has audio/video inputs

See “Audio/video (A/V) hookup” on page 7.

If your TV doesn't have audio/video inputs

See “Antenna hookup” on pages 8 and 9.

Before you get started

- Turn off the power to all equipment.
- Do not connect the AC power cords until all of the connections are completed.
- Be sure you make connections firmly. Loose connections may cause picture distortion.
- If your TV doesn't match any of the examples provided, see your nearest Sony dealer or qualified technician.

Audio/video (A/V) hookup

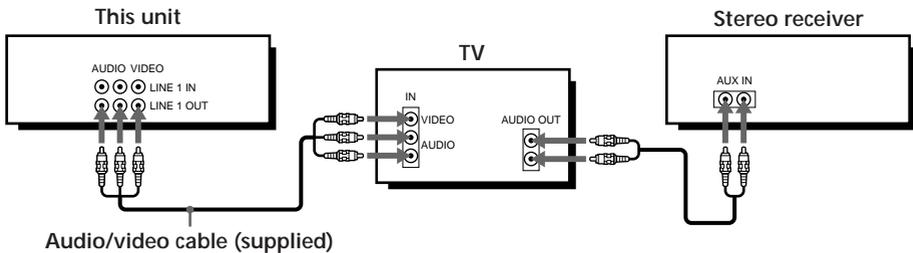
If your TV has audio/video (A/V) input jacks, you will get a better picture and sound if you hook up your unit using these connections.

You should also connect the audio outputs of your unit or TV to your stereo system for a true “home theater” experience.

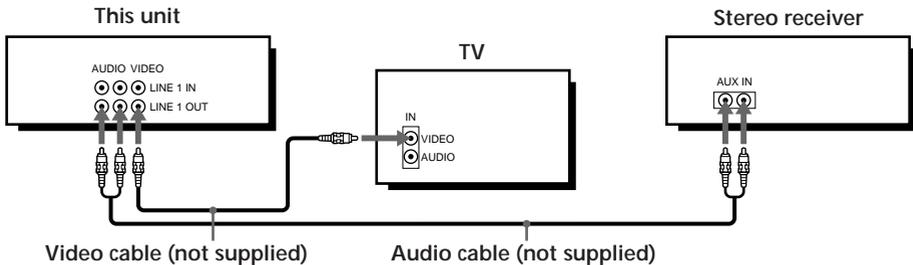
You’re finished setting up the unit after you’ve made the connections.

If your TV doesn’t have A/V inputs, see page 8 for antenna hookup.

A Use this hookup if your TV has stereo jacks



B Use this hookup if your TV doesn't have stereo jacks



Tip

- You can also use LINE 2 OUT jacks on the front of the unit.

Notes

- (SLV-KF300PL only)
To play a tape in stereo, you must use the A/V connection.
- (SLV-KA200PL only)

The sound is played back in monaural with either type of connection.

However, when stereo equipment is connected to the LINE 1/2 IN jacks, the sound is output in stereo. If you connect stereo equipment to the LINE 1 IN jacks, set AUDIO INPUT MODE on the rear of the unit to STEREO.

continued

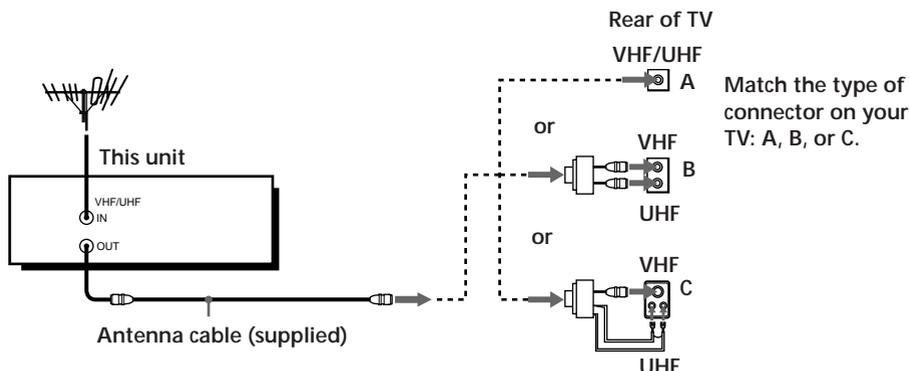
Step 3: Hookups (continued)

Antenna hookup

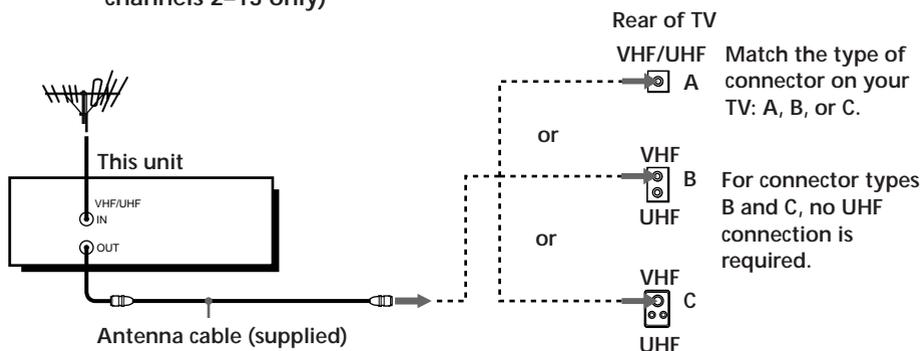
Make the following connections if your TV doesn't have A/V inputs.

A Use this hookup if you're using:

- VHF/UHF antenna (you get channels 2–13 and channels 14 and higher)
- UHF-only antenna (you get channels 14 and higher)
- Separate VHF and UHF antennas



B Use this hookup if you're using a VHF-only antenna (you get channels 2–13 only)



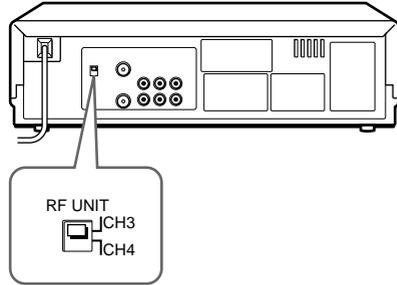
If you cannot connect your antenna cable to the unit directly

If your antenna cable is a flat cable (300-ohm twin lead cable), attach an external antenna connector (not supplied) so you can connect the cable to the VHF/UHF IN connector. If you have separate cables for VHF and UHF antennas, you should use a U/V band mixer (not supplied). For details, see page 24.

Antenna hookup: Video cassette player setup

When connecting the unit to the TV using only the antenna cable, you must set the RF UNIT switch on the rear of the unit so that the TV can receive the correct signal from the unit.

- 1 Set the RF UNIT switch to CH 3 or CH 4, whichever channel is not used in your area. If both are used, set the switch to either channel.



- 2 Insert a recorded tape into the tape compartment.
The unit turns on and starts playing automatically if you insert a tape with its safety tab removed.

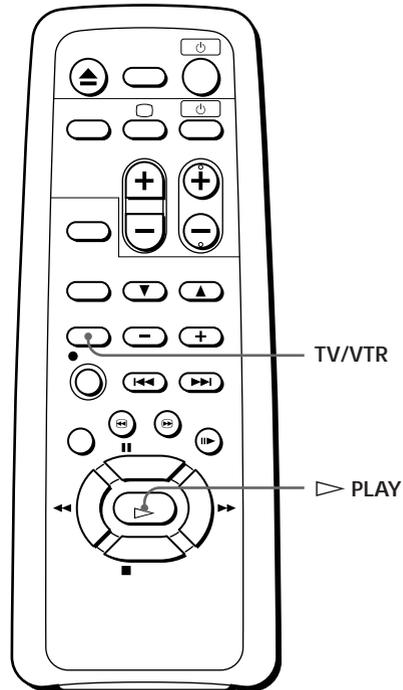
- 3 Press TV/VTR to turn on the TV/VTR indicator in the display window.

- 4 Press ▷ PLAY (if playback didn't start in step 2).

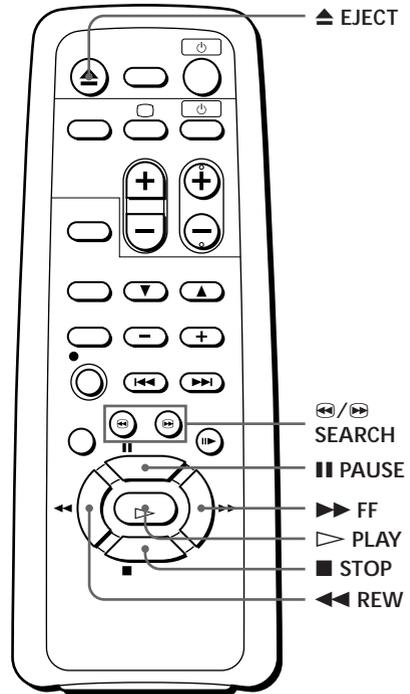
- 5 Turn on your TV and set it to the channel you selected in step 1 (channel 3 or 4).

The video playback picture will be clearly displayed on the TV screen.

Whenever you use the unit, set the TV to the channel selected in step 1.

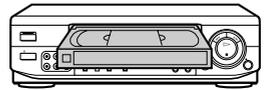


Playing a tape



1 Turn on your TV and set it to the video channel.

2 Insert a tape.
The unit turns on, and starts playing automatically if you insert a tape with its safety tab removed.



3 Press  PLAY.
When the tape reaches the end, it will rewind automatically.

Additional tasks

To	Press
Stop play	■ STOP
Pause play	PAUSE
Resume play after pause	PAUSE or ▷ PLAY
Search forward	▶▶ FF or 🔍 SEARCH during playback
Search backward	◀◀ REW or 🔍 SEARCH during playback
Fast-forward the tape	▶▶ FF during stop
Rewind the tape	◀◀ REW during stop
Eject the tape	⬆ EJECT

Notes

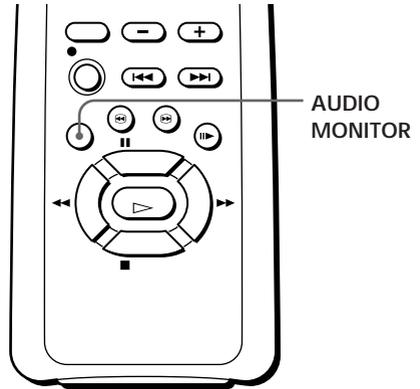
- You can eject a tape even when the power is off. When you press ⬆ EJECT, the unit turns on automatically. After ejecting the tape, the unit turns off again.
- When the pause mode lasts for more than approximately five minutes, the unit will automatically enter the playback mode.
- You can play back tapes recorded in the SP and EP mode.

continued

Playing a tape (continued)

Selecting the sound during playback (SLV-KF300PL only)

Press AUDIO MONITOR to select the sound you want. Each press of the button changes the indicator in the display window. When you play a tape recorded in stereo or with a bilingual sound track, the Hi-Fi Stereo indicator in the display window lights up.



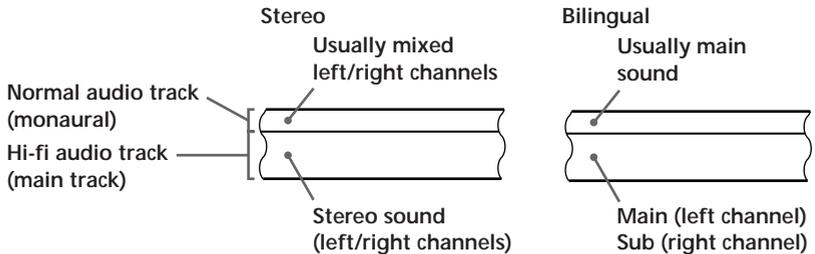
To listen to a		Press AUDIO MONITOR until the display window indicator shows
Stereo tape's	Bilingual tape's	
Stereo sound	Main and sub sounds	L/R
Left channel	Main sound	L
Right channel	Sub sound	R
Standard sound* ¹	Standard sound* ²	No indication

*¹ Usually the mixed sound of left and right channels (monaural)

*² Usually the main sound (monaural)

How sound is recorded on a video tape

The unit records sound onto two separate tracks. Hi-fi audio is recorded onto the main track along with the picture. Monaural sound is recorded onto the normal audio track along the edge of the tape.



Notes

- To listen to playback sounds in stereo, you must use the AUDIO OUT connections.
- When you play back a tape recorded in monaural, the sound is heard in monaural regardless of the AUDIO MONITOR setting.
- You cannot select the sound to listen to while recording.

Turning on the unit and TV, and starting playback automatically (Trinitron TV Synchro Play)

You can only use this function if your TV is made by Sony (Trinitron TV).

How to connect to use this function

Connect the unit and TV with the audio/video cable (see “Audio/video (A/V) hookup” on page 7). Be sure to connect the audio/video cable to the VIDEO IN 1 jacks on the TV if the TV has two inputs or more. The TV must be placed where it will respond to the remote commander while you are pointing it at the unit.

Operation

Make sure that the TV's power is in standby mode.

Press TRINITRON TV SYNCHRO PLAY and hold the remote commander in place for about two seconds.

The unit and TV turn on, and the TV is set to the video channel. If there is a tape in the unit, playback starts automatically.

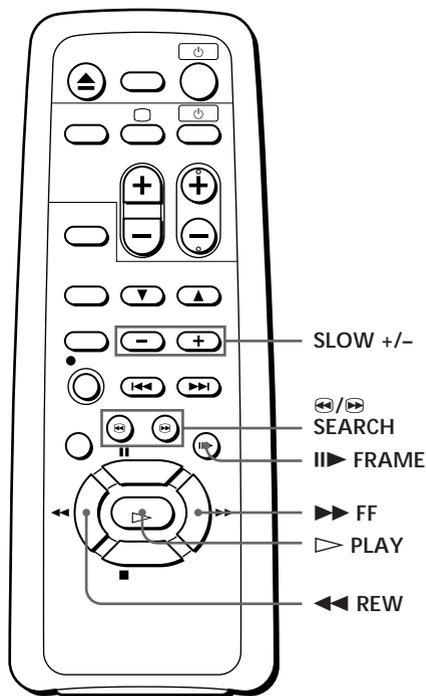
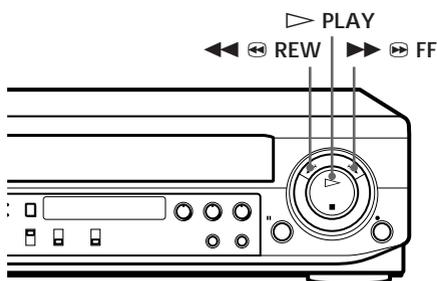
Notes

- If the Trinitron TV Synchro Play function does not work properly:
 - Wait a few moments, and press the button again.
 - Replace both of the batteries in the remote commander with new ones, and press the button again.

Note that this function may not operate some Sony TVs because of the remote commander's signal limitations.

- Do not press TRINITRON TV SYNCHRO PLAY while playing back a video tape. If you do so, the TV's input source will momentarily switch to the TV's tuner.

Playing/searching at various speeds



Playback options	Operation
Fast-forward/rewind	During stop, press ►► FF or ◄◄ REW.
View the picture during fast-forward or rewind	During fast-forward, hold ►► FF down. During rewind, hold ◄◄ REW down.
Play at high speed	During playback or pause, press 🔍 SEARCH or 🔍 SEARCH.
Play in slow motion	During playback or pause, press SLOW+/- . Press the +/- buttons to change the speed.
Play frame by frame	During pause, press ► FRAME to advance the picture one frame. Hold the button down to play one frame each second.
Rewind and start play	During stop, hold ◄◄ 🔍 REW <u>on the unit</u> down and press ▷ PLAY <u>on the unit</u> .

To resume normal playback

Press ▷ PLAY.

Tip

- If the picture shakes while in the still mode, adjust the picture using ▼/▲ TRACKING NORMAL/SLOW STILL ADJUST.

Notes

- Streaks or snow cannot be eliminated completely in the various playback operations, especially in the slow motion mode.
- The sound is muted during these operations.
- If you press II▶ FRAME during playback, playback continues at the normal speed but the sound is muted. Press ▷ PLAY to resume normal playback.

Karaoke sing-along

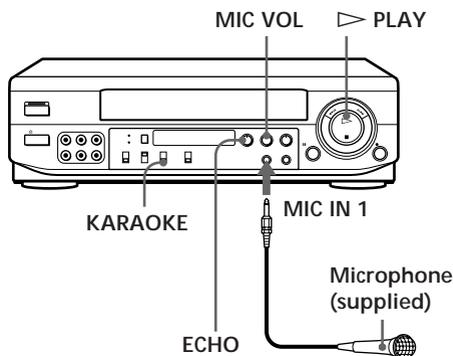
You can sing along with a karaoke videotape played back on this unit.

You can also sing along with a TV broadcast or music played back on equipment connected to the LINE 1 IN jacks on the rear panel of the unit or LINE 2 IN jacks on the front panel of the unit. If you use an extra microphone (not supplied), you can sing duets.

Before you start...

- Turn on your TV and set it to the video channel.
- Connect the supplied microphone to the MIC IN 1 jack.

To sing duets, connect the optional microphone to the MIC IN 2 jack.



Singing along with karaoke video tapes

1 Set KARAOKE to ON.

2 Insert a karaoke video tape.

The unit turns on and starts playing automatically if you insert a tape with its safety tab removed.

3 Press ▷ PLAY (if playback didn't start in step 2).

If you want to playback a specific song, see "Searching with the AMS function" on the next page.

4 Set the ON/OFF switch on the microphone to ON.

Now you can enjoy playing karaoke.

To adjust the microphone volume

Turn the MIC VOL 1 control for the microphone connected to MIC IN 1.

Turn the MIC VOL 2 control for the microphone connected to MIC IN 2.

Setting the MIC VOL 1 and/or 2 control(s) to the centre position provides the best microphone volume.

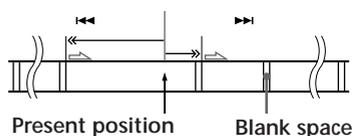
To control the echo effect

Turn the ECHO control. This controls both microphones' echo effect in the same way.

To get the best effect, adjust the microphone volume to a slightly higher level than the music volume.

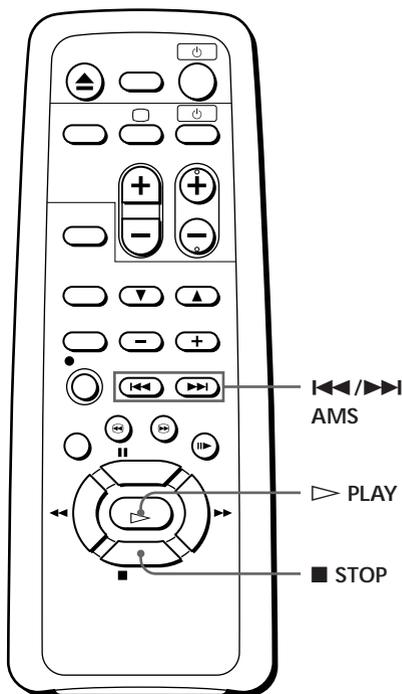
Searching with the AMS function

The AMS (Automatic Music Sensor) function searches for the beginning of the next or previous song by detecting a blank space between songs.



- 1 Press ■ STOP.
- 2 Press ◀◀/▶▶ AMS.
 - To locate the beginning of the next song, press ▶▶ AMS.
 - To locate the beginning of the previous song, press ◀◀ AMS.

The unit starts searching and plays back automatically when it locates the beginning of the next or previous song.



continued

Reducing the playback vocals (Karaoke Pon)

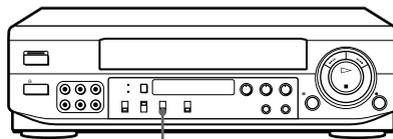
You can use ordinary music sources with vocals for karaoke with this function. Use hi-fi stereo music sources.

Set KARAOKE to PON.

The singer's voice will be reduced.

(SLV-KA200PL only)

You can use this function only with stereo sound sources played back on equipment connected to the LINE 1/2 IN jacks on the unit. When you connect stereo equipment to the LINE 1 IN jacks, set AUDIO INPUT MODE on the rear of the unit to STEREO.



KARAOKE

To cancel Karaoke Pon

Set KARAOKE to ON or OFF.

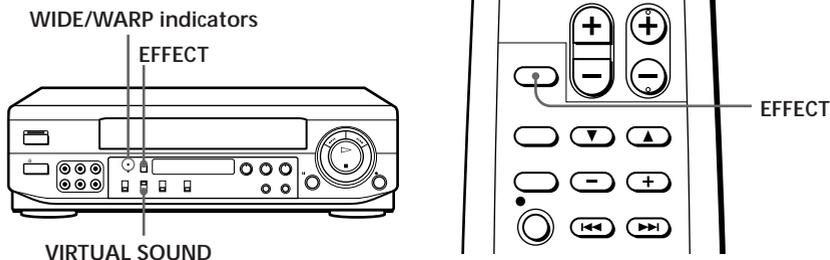
Tip

- When you sing along with music played back on equipment connected to the LINE 1/2 IN jacks on the unit, play the music source and follow steps 1 and 4 on page 16.

Notes

- If the sound is reproduced through a stereo amplifier, turn down the volume of amplifier before operation.
- If feedback occurs, turn down the microphone or TV volume, or move the microphone away from the speakers.
- (SLV-KF300PL only)
Karaoke Pon does not work with the following tapes:
 - tapes on which different vocal sounds are recorded on the left and right channels, such as a duet;
 - tapes recorded monaurally; or
 - tapes on which sound sources are recorded with strong echo effects and chorus effects.
- (SLV-KA200PL only)
When you set KARAOKE to PON during playback on this unit, the sound is muted.
- The AMS may not work correctly when:
 - the tape quality is poor,
 - a song is very short (less than 40 seconds),
 - the interval between songs is very short (less than 6 seconds),
 - a high level sound is recorded between songs or at the beginning of a song,
 - there are low level passages or passages without sound in a song,
 - narration is recorded at the beginning of a song,
 - fade-in or fade-out recording is made on the tape, or
 - AMS starts from the very beginning of the tape or near an interval between songs.

Enjoying the surround sound (Virtual Sound)



You can use the Virtual Sound function to give stereo sources the surround sound effect and monaural sources a simulated stereo effect.

- 1 Select the type of sound source with the VIRTUAL SOUND switch. Select SURROUND when listening to a stereo source; select SIMULATED STEREO for a monaural source.
- 2 Press EFFECT so the WIDE or WARP indicator lights up.

Virtual sound

Type	Effect	For
SURROUND (stereo)	WIDE	A sound effect that spreads out over a large area
	WARP	A sound effect that totally envelopes you in sound
SIMULATED STEREO (monaural)	WIDE	A simulated stereo effect
	WARP	A wide ranging simulated stereo effect

To cancel the Virtual Sound

Press EFFECT repeatedly until both WIDE/WARP indicators turn off.

Notes

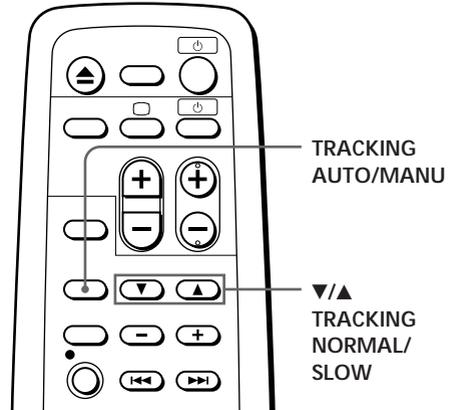
- This function is available only when the sound is reproduced on a stereo TV (or other stereo audio equipment). If the connected TV or other audio equipment is monaural or simulates stereo, you cannot get a clear effect.
- (SLV-KA200PL only)
You can use the SURROUND function only with stereo sound sources played back on equipment connected to the LINE 1/2 jacks on the unit. When you use the LINE 1 IN jacks, set AUDIO INPUT MODE on the rear of the unit to STEREO.
- We recommend that you do not use the surround effect function of this unit and that of the connected TV (or other audio equipment) at the same time. If you do so, the function may not work properly because the effects overlap each other.

Adjusting the picture

Adjusting the tracking

Although the unit automatically adjusts the tracking when playing a tape, distortion may occur if the tape was recorded in poor condition. If so, manually adjust the tracking.

Press ▼/▲ TRACKING NORMAL/SLOW to obtain the best possible picture. The distortion should disappear as you press one of the two buttons. If you cannot get a clear picture with manual adjustment, press TRACKING AUTO/MANU to return to automatic adjustment.



About OPC

OPC (Optimum Picture Control) automatically improves playback quality by adjusting the unit to the condition of the video heads and tape.

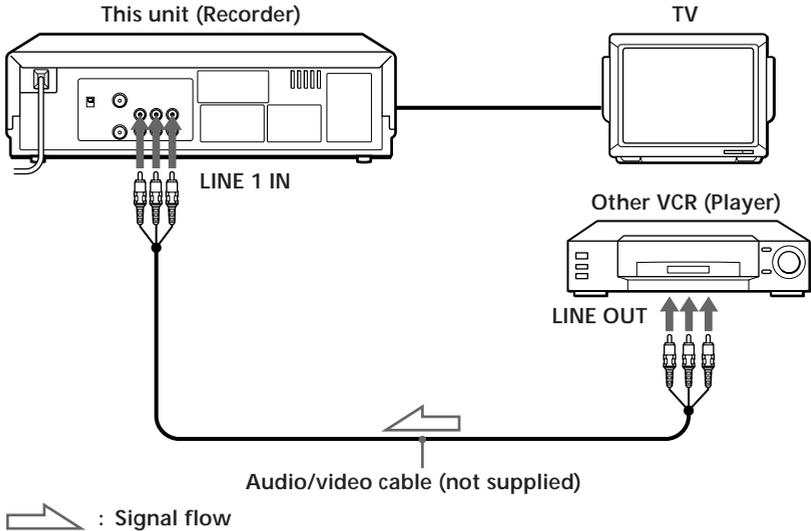
The OPC function automatically works on all types of tapes, including rental tapes and the tapes that were not recorded with OPC.

Notes

- The auto tracking function works automatically when you play back a tape just after inserting it.
- Sufficient picture quality may not be obtained when playing back tapes recorded on another VCR or tapes in poor condition.
- When a tape recorded with the copyguard system is played back, intermittent distortion may appear in the upper portion of the picture. However, this is not a malfunction of the unit.

Editing with another VCR

How to connect to record on this unit



To set the AUDIO INPUT MODE (SLV-KA200PL only)

When you connect a commercially available 3-phono to 3-phono type audio/video cable to the LINE 1 IN jacks, set AUDIO INPUT MODE to STEREO. If the other VCR is a monaural type, use a commercially available 2-phono to 2-phono type audio/video cable, connect the audio plug to AUDIO IN L, and set AUDIO INPUT MODE to MONO.

Tip

- You can also use the LINE 2 IN jacks on the front of the unit.

Notes

- Make sure you connect the plugs to jacks of the same colour.
- When connecting the units, do not simultaneously connect the LINE IN and LINE OUT jacks on your unit with the other VCR. A humming noise may occur if you do this.
- (SLV-KA200PL only)
The sound is recorded in mono with either type of connection.

continued

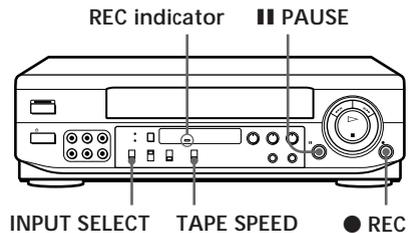
Editing with another VCR (continued)

Operation (when recording on this unit)

You can make a copy of a tape using this unit for recording or playback. The unit cannot record TV programmes directly since it does not have a TV tuner.

Before you start editing

- Turn on your TV and set it to the video channel.



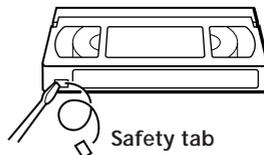
- 1 Set INPUT SELECT to LINE 1 (or LINE 2).
- 2 Set TAPE SPEED to select the tape speed, SP or EP. EP (Extra Play) provides a recording time three times as long as SP (Standard Play). However, SP produces better picture quality.
- 3 Insert a source tape with its safety tab removed into the other (playback) VCR. Search for the point to start playback and set it to playback pause.
- 4 Insert a tape with its safety tab in place into this (recording) unit. Search for the point to start recording and press || PAUSE.
- 5 Press ● REC on this unit to set it to recording pause. The REC indicator lights up in the display window.
- 6 To start editing, press the || PAUSE buttons on both units at the same time.

To stop editing

Press the ■ STOP buttons on both units.

To save a recording

To prevent accidental erasure, break off the safety tab as illustrated. To record on a tape again, cover the tab hole with adhesive tape.



Tips

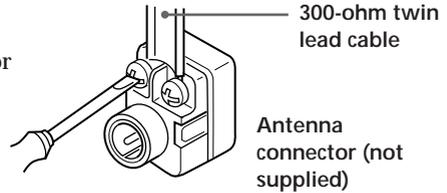
- To edit more precisely, press the ■■ PAUSE buttons on the units to release pause.
- To cut out unwanted scenes while editing, press ■■ PAUSE on this unit when an unwanted scene begins. When that scene ends, press ■■ PAUSE again to resume recording.

General setup information

Attaching an external antenna connector

300-ohm to 75-ohm matching transformer

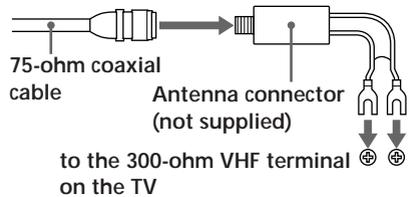
When using a 300-ohm twin lead cable for a VHF/UHF antenna, use an antenna connector (not supplied) to connect the antenna to the unit.



- 1 Loosen the screws on the antenna connector.
- 2 Wind the twin leads around the screws on the antenna connector.
- 3 Retighten the screw.

75-ohm to 300-ohm matching transformer

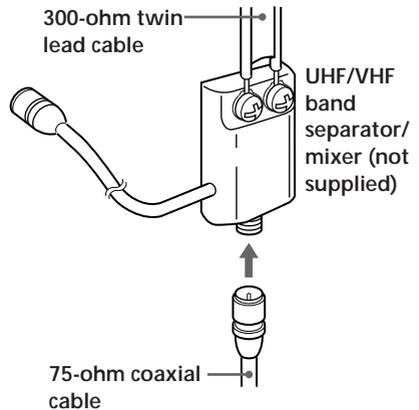
When using a TV with the 300-ohm VHF terminal, use this type antenna connector (not supplied) to connect the 75-ohm coaxial cable to the TV.



- 1 Connect the 75-ohm coaxial cable to the antenna connector.
- 2 Attach the 300-ohm Y type terminal to the TV.

Attaching a UHF/VHF band mixer

When using both a 75-ohm coaxial cable and a 300-ohm twin lead cable for a VHF/UHF antenna, use a VHF/UHF band separator/mixer (not supplied) to connect the antenna to the unit.



- 1 Loosen the screws on the mixer.
- 2 Wind the twin leads around the screws on the mixer.
- 3 Retighten the screws.
- 4 Connect the 75-ohm coaxial cable to the mixer.

Troubleshooting

If you have any questions or problems not covered below, please consult your nearest Sony service facility.

	Symptom	Remedy
Power	The POWER switch does not function.	<ul style="list-style-type: none"> • Connect the mains lead securely.
	The power is turned on but the unit does not operate.	<ul style="list-style-type: none"> • Moisture condensation occurs. Turn the power off, unplug the mains lead and leave the unit to dry for over an hour.
	The unit enters standby mode or turns off automatically.	<ul style="list-style-type: none"> • The auto safety system is triggered to protect your tape and the unit's mechanism when there is something wrong with the tape or when the mechanism is overloaded. Press POWER to restart the unit. If the unit does not work after pressing POWER again, disconnect the mains lead from the mains. Wait for at least 15 seconds. Then reconnect mains, and press POWER again. If the unit still does not work, please consult your nearest Sony service facility.
Playback	The playback picture does not appear on the TV screen.	<ul style="list-style-type: none"> • Make sure the TV is set to the video channel. If you are using a monitor, set it to video input.
	The picture is not clear.	<ul style="list-style-type: none"> • Adjust the tracking with the ▼/▲ TRACKING NORMAL/SLOW buttons. • The video heads are dirty (see the next page). Clean the video heads using a video head cleaning cassette. If a cleaning cassette is not available in your area, have the heads cleaned at your nearest Sony service facility (a standard service charge will be required). Do not use a commercially available wet-type cleaning cassette other than Sony's, as it may damage the video heads. • The video heads may have to be replaced. Consult your local Sony service facility for more information.
	The picture rolls vertically during picture search.	<ul style="list-style-type: none"> • Adjust the vertical hold control on the TV or monitor.
	The picture has no sound.	<ul style="list-style-type: none"> • The tape is defective. Use a new tape.
Recording	The tape starts playing as soon as it is inserted.	<ul style="list-style-type: none"> • The safety tab has been removed. To record on this tape, cover the tab hole.
	The tape is ejected when you press ● REC.	<ul style="list-style-type: none"> • Check that the safety tab has not been removed.
	Nothing happens when you press ● REC.	<ul style="list-style-type: none"> • Make sure the tape is not at its end. • Select the correct source with the INPUT SELECT switch, LINE 1 or LINE 2.

continued

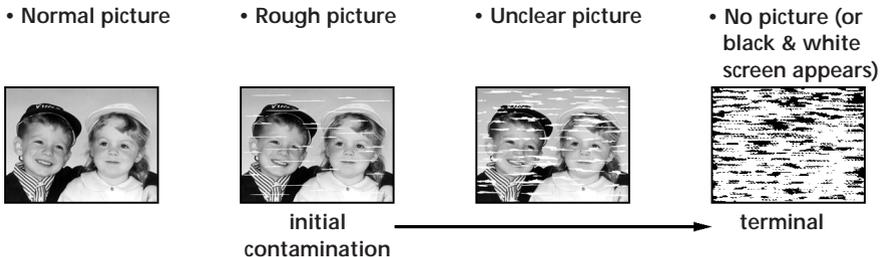
Troubleshooting (continued)

	Symptom	Remedy
Others	The microphone sound is distorted.	<ul style="list-style-type: none"> The MIC VOL 1/2 control(s) is/are set too high.
	No tape can be inserted.	<ul style="list-style-type: none"> Check that a tape isn't already in the tape compartment.
	The remote commander does not function.	<ul style="list-style-type: none"> Make sure you are pointing the remote commander at the remote sensor on the unit. Replace all the batteries in the remote commander with new ones if they are weak.
	The unit needs to be cleaned.	<ul style="list-style-type: none"> Clean the cabinet, panel, and controls with a dry soft cloth, or a soft cloth slightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzene.

Auto head cleaner

The unit incorporates an auto head cleaner which cleans the video heads when a tape is loaded or unloaded. When the heads are not sufficiently clean, even after a tape has been loaded/unloaded several times, use a video head cleaning cassette.

Symptoms caused by contaminated video heads



Sapphire tape cleaner

The unit incorporates a sapphire tape cleaner which cleans a video tape when it is loaded. This cleaner can prevent the video heads from contamination by removing dust or mold from a tape with the sapphire edge.

Specifications

System

- Format
 - VHS NTSC standard
- Video recording system
 - Rotary head helical scanning FM system
- Video heads
 - Double azimuth two heads
- Video signal
 - NTSC color, EIA standards
- Tape speed
 - SP: 33.35 mm/s
 - EP: 11.11 mm/s
- Maximum recording/playback time
 - 9 hrs. in EP mode (with T-180 tape)
- Fast-forward and rewind time
 - Approx. 4 min. 30 sec. (with T-120 tape)

Tuner section

- RF output channel
 - VHF channel 3 or 4
- Antenna
 - 75-ohm antenna terminal for VHF/UHF

Inputs and outputs

- LINE 1 IN/LINE 2 IN
 - VIDEO IN, phono jack (1)
 - Input signal: 1 V_{p-p}, 75 ohms, unbalanced, sync negative
 - AUDIO IN, phono jacks (2)
 - Input level: 327 mV_{rms}
 - Input impedance: more than 47 kilohms
- LINE 1 OUT/LINE 2 OUT
 - VIDEO OUT, phono jack (1)
 - Output signal: 1 V_{p-p}, 75 ohms, unbalanced, sync negative
 - AUDIO OUT, phono jacks (2)
 - Standard output: 327 mV_{rms}
 - Load impedance: 47 kilohms
 - Output impedance: less than 10 kilohms

General

- Power requirements
 - 110 – 240 V AC, 50/60 Hz
- Power consumption
 - 12 W
- Operating temperature
 - 5°C to 40°C
- Storage temperature
 - 20°C to 60°C
- Dimensions
 - Approx. 355 × 100 × 280 mm (w/h/d) including projecting parts and controls
- Mass
 - Approx. 3.8 kg

Supplied accessories

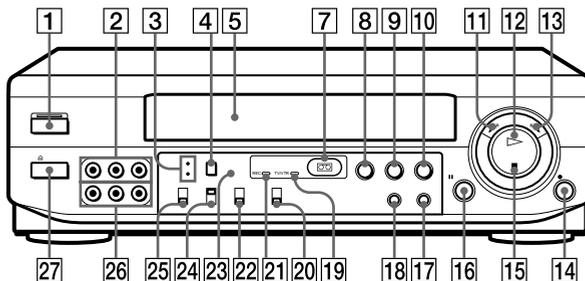
- Remote commander (1)
- R6 (Size AA) batteries (2)
- 75-ohm coaxial cable with F-type connectors (1)
- Audio/video cable (3-phono to 3-phono) (1)
- Microphone (1)

Design and specifications are subject to change without notice.

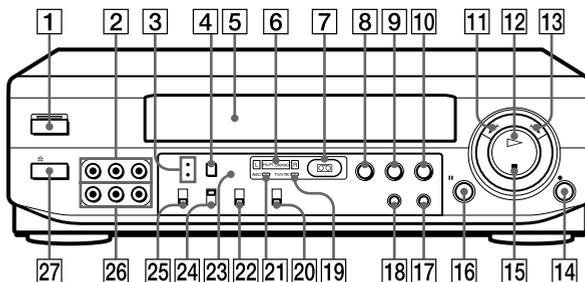
Index to parts and controls

Refer to the pages indicated in parentheses () for details.

Front panel (SLV-KA200PL)



Front panel (SLV-KF300PL)

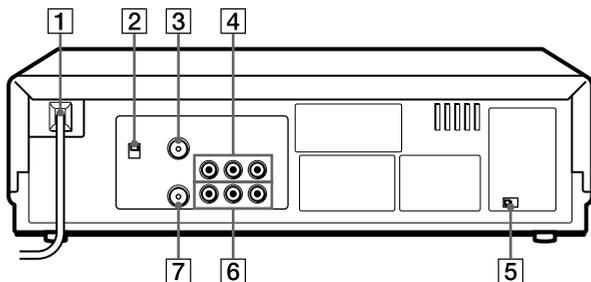


- 1 POWER switch/indicator
- 2 LINE 2 IN VIDEO/AUDIO/L/R jacks (21)
- 3 WIDE/WARP indicators (19)
- 4 EFFECT button (19)
- 5 Tape compartment
- 6 HiFi Stereo/L/R indicators (SLV-KF300PL only) (12)
- 7 Tape operation indicator
- 8 ECHO control (17)
- 9 MIC VOL 1 (microphone volume 1) control (17)
- 10 MIC VOL 2 (microphone volume 2) control (17)
- 11 ◀◀ ⏮ REW (rewind) button (11, 14)
- 12 ▷ PLAY button (10)
- 13 ▶▶ ⏭ FF (fast-forward) button (11, 14)
- 14 ● REC (record) button (22)
- 15 ■ STOP button (11)
- 16 ■ PAUSE button (11)
- 17 MIC IN 2 (microphone in 2) jack (17)
- 18 MIC IN 1 (microphone in 1) jack (17)
- 19 TV/VTR indicator (9)
- 20 TAPE SPEED switch (22)
- 21 REC (recording) indicator (22)
- 22 KARAOKE switch (16)
- 23 Remote sensor (5)
- 24 VIRTUAL SOUND switch (19)
- 25 INPUT SELECT switch (22)
- 26 LINE 2 OUT VIDEO/AUDIO/L/R jacks (7)
- 27 ▲ EJECT button (11)

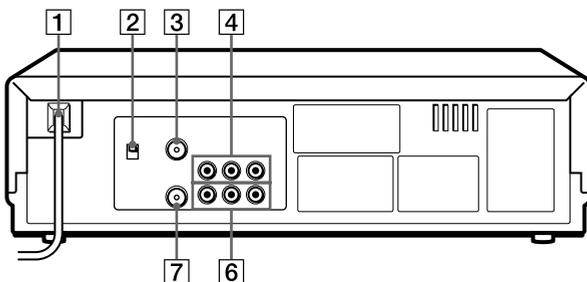
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Index to parts and controls (continued)

Rear panel (SLV-KA200PL)

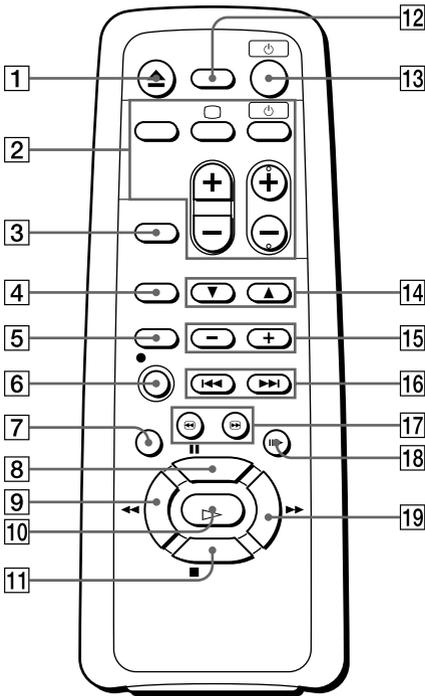


Rear panel (SLV-KF300PL)



- | | |
|---|--|
| 1 AC power cord (6) | 5 AUDIO INPUT MODE switch (SLV-KA200PL only) (21) |
| 2 RF (Radio Frequency) UNIT switch (9) | 6 LINE 1 OUT AUDIO/R/L/VIDEO jacks (7) |
| 3 VHF/UHF IN connector (8) | 7 VHF/UHF OUT connector (8) |
| 4 LINE 1 IN AUDIO/R/L/VIDEO jacks (21) | |

Remote commander



- 1 ▲ EJECT button (11)
- 2 TV control buttons (*Only for TV*) (5)
 TV/VIDEO
 □ (TV power)
 ⏻ (on/standby)
 VOL (volume) +/-
 PROG (CH) (program(channel)) +/-
- 3 EFFECT button (19)
- 4 TRACKING AUTO/MANU button (20)
- 5 TV/VTR button (9)
- 6 ● REC (record) button (22)
- 7 AUDIO MONITOR button (*This button works only for SLV-KF300PL.*) (12)
- 8 || PAUSE button (11)
- 9 ◀◀ REW (rewind) button (11, 14)
- 10 ▷ PLAY button (10)
- 11 ■ STOP button (11)
- 12 TRINITRON TV SYNCHRO PLAY button (13)
- 13 ⏻ (power) switch
- 14 ▼/▲ TRACKING NORMAL/SLOW STILL ADJUST buttons (20)
- 15 SLOW +/- buttons (14)
- 16 ◀◀/▶▶ AMS (Automatic Music Sensor) buttons (17)
- 17 ◀/▶ SEARCH buttons (11, 14)
- 18 ||▶ FRAME button (14)
- 19 ▶▶ FF (fast-forward) button (11, 14)

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