

SONY

3-862-737-21 (1)

V

Operating Instructions

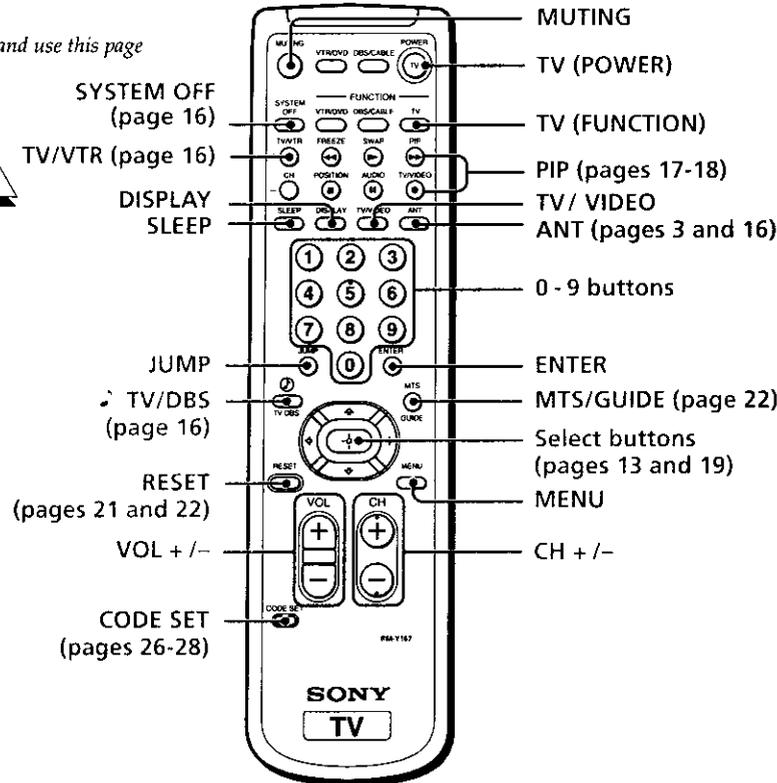
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KV-32FV1 KV-36FV1

Remote Control

Keep this flap unfolded and use this page for reference.



Getting to know the buttons on the remote control

Names of the buttons on the remote control are presented in different colors to represent the available functions.

Button color

Clear Press to select the component you want to control; e.g. VTR (VCR)/DVD, DBS (Direct Broadcast Satellite)/CABLE, or TV
 Green Buttons relevant to power operations, like turning the TV, DBS (Direct Broadcast Satellite)/CABLE, or VTR (VCR)/DVD on or off

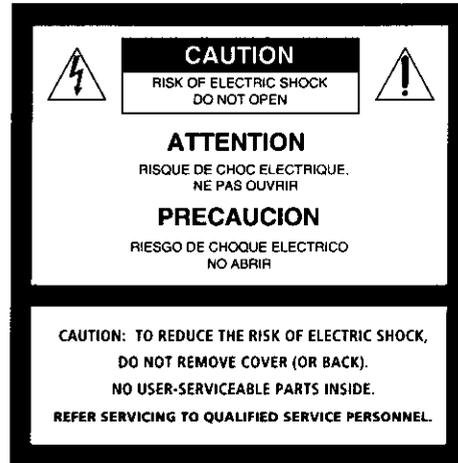
Label color

White TV/VTR (VCR)/DVD/DBS (Direct Broadcast Satellite)/CABLE operation buttons
 Yellow PIP operation buttons
 Blue DBS (Direct Broadcast Satellite) operation buttons
 Green SYSTEM OFF operation button

For a detailed explanation of most buttons, see "Watching the TV" on page 15.

WARNING

To reduce the risk of fire or shock hazard, do not expose the TV to rain or moisture.



This symbol 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.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

CAUTION

When using TV games, computers, and similar products with your TV, keep the brightness and picture contrast functions at low settings. If a fixed (non-moving) pattern is left on the screen for long periods of time at a high brightness or picture contrast setting, the image can be permanently imprinted onto the screen. Continuously watching the same program can cause the imprint of station logos onto the TV screen. These types of imprints are not covered by your warranty because they are the result of misuse.

Note on Caption Vision

This television receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

Note on cleaning the TV

Clean the TV with a soft dry cloth. Never use strong solvents such as thinner or benzene, which might damage the finish of the cabinet.

Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Use of this television receiver for other than private viewing of programs broadcast on UHF or VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcaster/cable company and/or program owner.

NOTIFICATION

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful

interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antennas.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

This document is for the remote control RM-Y167.
MODELS: KV-32FV1, 36FV1



As an ENERGY STAR® Partner, Sony has determined that this product or product models meet the ENERGY STAR® guidelines for energy efficiency.

ENERGY STAR® is a U.S. registered mark.

Welcome!

Thank you for purchasing the Sony Trinitron® Color TV. Before reading, check the model number located on the front of this manual or on the rear of your TV.

The features you will enjoy include:

- A flat CRT, for optimal picture quality
- Component video (Y, Pb, Pr) inputs for the highest quality DVD Player connection
- Dual tuner PIP, which allows you to watch two programs at once without first connecting any additional equipment
- The FAVORITE CHANNEL feature, which allows you to preview each of your chosen favorite channels in a small window picture before you choose to tune to a particular channel
- A front A/V input, for easy connection of your camcorder or game equipment
- Two S VIDEO inputs, for enhanced picture quality

Precautions

Safety

- Operate the TV only with 120 V AC .
- The plug is designed, for safety purposes, to fit in the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further.
- If you will not be using the TV for several days, disconnect power by pulling the plug itself. Never pull on the cord.

For details concerning safety precautions, see the supplied leaflet "IMPORTANT SAFEGUARDS".

Installing

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
- The AC power cord is attached to the rear of the TV with hooks. Do not attempt to remove the cord from these hooks. Doing so could cause damage to the TV.

Using This Manual

This manual is divided into five major sections. We recommend that you carefully review the contents of each section in the order presented to ensure that you fully understand the operation of your new TV.

1 Connecting and Installing the TV

This section guides you through your initial set up. It shows how to connect to your antenna or cable, and connect any accessories or components.

2 Basic Set Up

This section teaches you the basic skills needed to operate your new TV. It shows you how to operate special functions of the remote control.

3 Using your New TV

This section shows you how to begin using your new TV. It shows how to use the Easy Set Up Guide feature, and how to use your remote control.

4 Using your Menus

This section teaches you how to access on-screen menus and adjust your TV's settings.

5 Troubleshooting

This section helps you to correct problems you may encounter with your TV.

Instructions in this manual are written for the remote control. Similar controls may be found on the TV console.

Connecting and Installing the TV

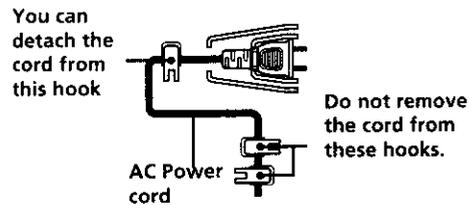
Making Connections

Refer to the table below, it will direct you to the diagram suitable to the components you will be connecting.

If you will be connecting	See page
Cable or antenna only	3
Cable and antenna	3
Cable box	4
Cable box and cable to view scrambled channels	4
VCR and cable or antenna	5
VCR and cable box	5
Two VCRs for tape editing	6
Direct Broadcast Satellite Receiver (DBS)	7
VCR and Direct Broadcast Satellite Receiver (DBS)	7
DVD Player	8
DVD Player with component video output connectors	8
Audio system	9
A/V receiver	9
Camcorder to view tapes	10
CONTROLS	11
VCR using S-Link	12
Direct Broadcast Satellite Receiver (DBS) using S-Link	12

Note about the AC Power Cord

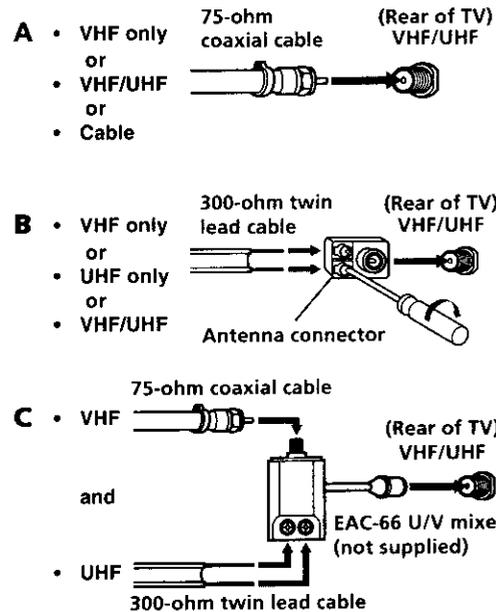
The AC power cord is attached to the rear of the TV with hooks. Use caution when removing the AC plug from its holder. Gently slide the cord in the upward direction, without removing the cord from the two lower hooks.



Cable or Antenna Connections

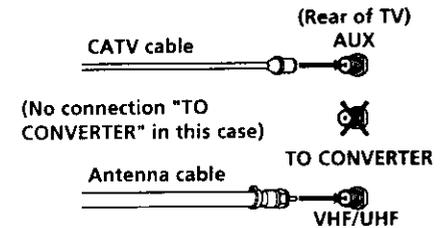
Connecting directly to cable or an antenna

The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see **A**); older homes will probably have 300-ohm twin lead cable (see **B**); still other homes may contain both (see **C**).



Cable and antenna

You may find it convenient to use the following set up if your cable provider does not feature local channels that you are able to receive using an antenna.



Select cable or antenna mode by pressing ANT on the remote control.

Note

- In order to receive channels with an antenna, you will need to turn your CABLE to OFF and perform the AUTO PROGRAM function. (see "CHANNEL SET UP" on page 24)

Connecting and Installing the TV (continued)

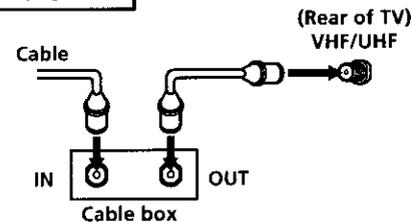
Cable Box Connections

Some pay cable TV systems use scrambled or encoded signals that require a cable box to view all channels.

Cable box

- 1 Connect the coaxial connector from your cable to the IN on your cable box.
- 2 Using a coaxial cable, connect OUT on your cable box to VHF/UHF on your TV.

If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature. (see page 24)



Cable box and cable

For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on your remote control.

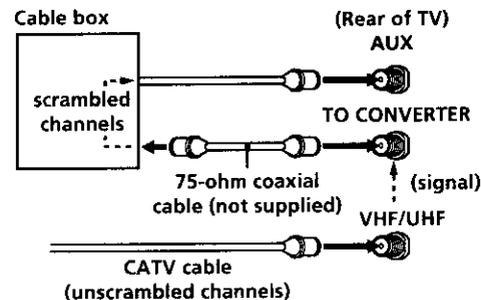
Notes

- Your Sony remote control can be programmed to operate your cable box. (see page 26)
- When using PIP, you cannot view the AUX input in the window picture.

Tip

Pressing ANT switches between these inputs.

If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input you should consider using the CHANNEL FIX feature. (see page 24)



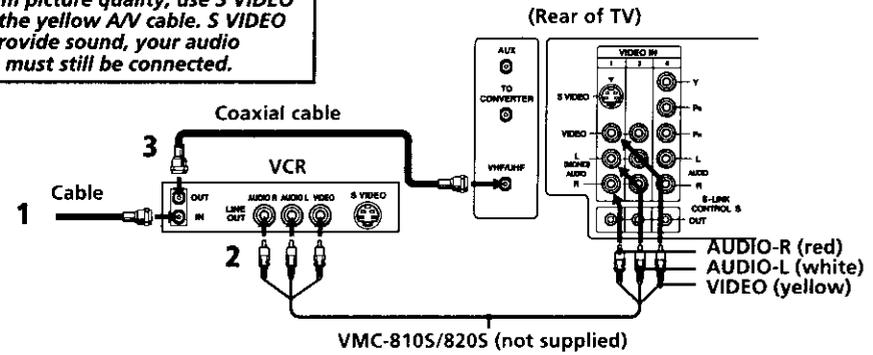
VCR Connections

Connecting an antenna/cable TV system with a VCR

- 1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 2 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV*.
- 3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

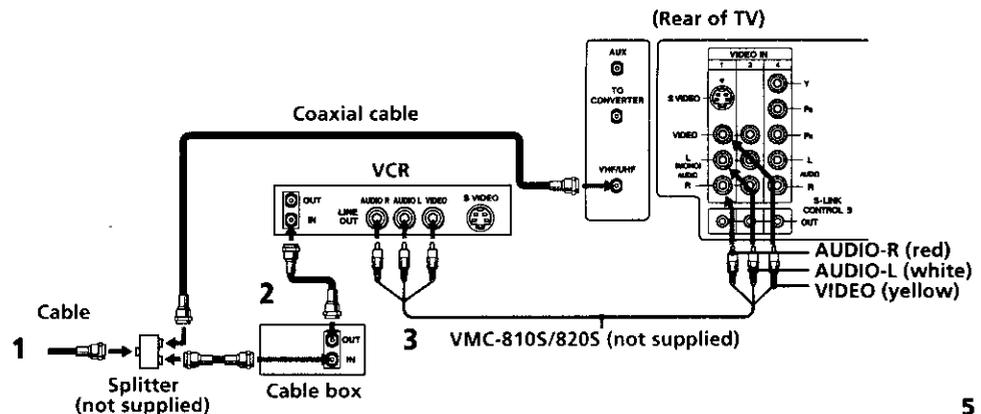
* If you are connecting a monaural VCR, connect only the single white audio output to the left input on your TV.

For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO does not provide sound, your audio connectors must still be connected.



Connecting a VCR and TV with a cable box

- 1 Connect the single (input) jack of the Splitter to your incoming cable connection, and connect the other two (output) jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV.
- 2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- 3 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.



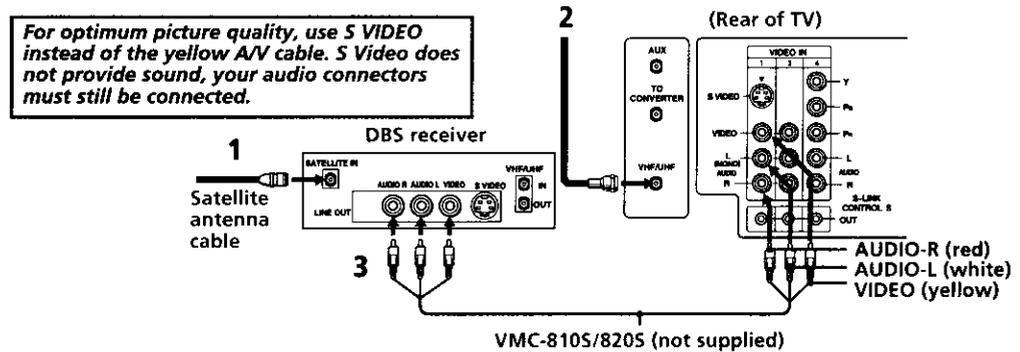
DBS Connections

Connecting a DBS (Direct Broadcast Satellite) receiver

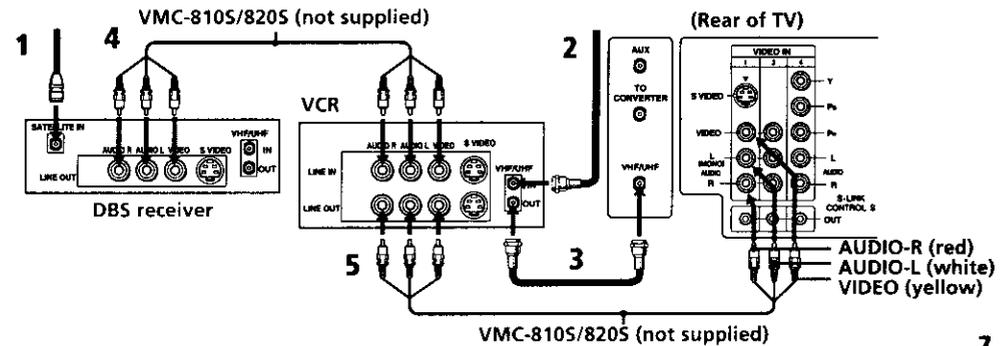
- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.
- 3 Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV.

Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF IN on your VCR.
- 3 Using a coaxial connector, connect VHF/UHF OUT on your VCR to VHF/UHF on your TV.
- 4 Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.
- 5 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.



Pressing TV/VIDEO on the remote control will allow you to view from the DBS or VCR.



Connecting and Installing the TV (continued)

DVD Player Connections

Connecting a DVD Player

Using A/V connectors, connect VIDEO IN on your TV to LINE OUT on your DVD Player.

Connecting a DVD Player with component video output connectors

This connection option offers the highest quality DVD picture.

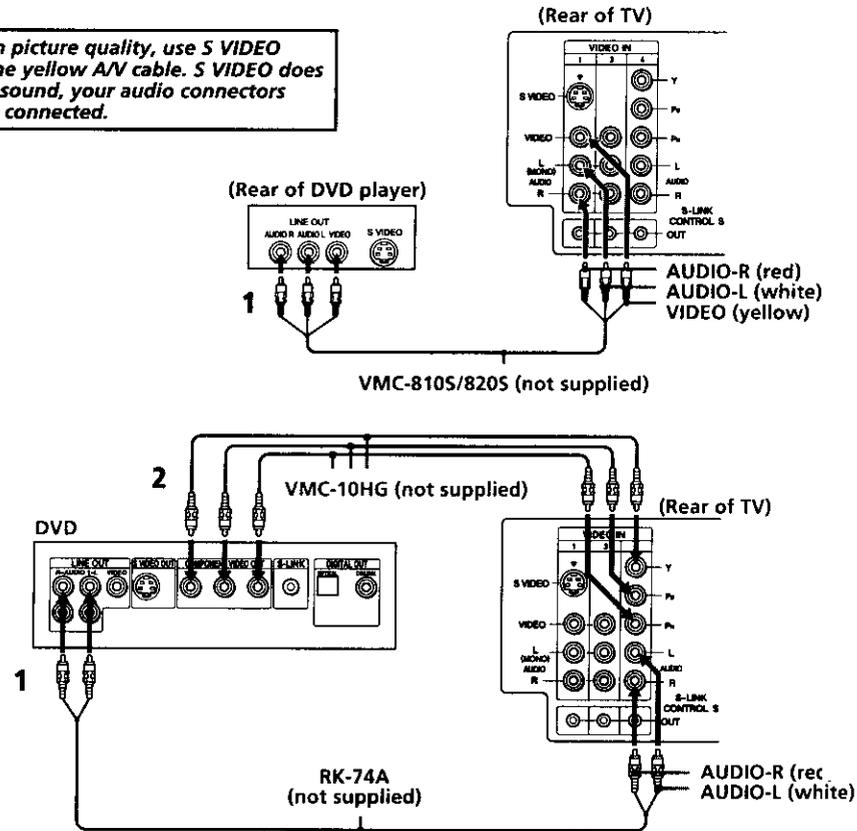
- Using AUDIO connectors, connect AUDIO R and L of the LINE OUT on your DVD Player to AUDIO R and L on the VIDEO IN 4 panel at the rear of your TV.
- Using three VIDEO connectors, connect Y, P_B, and P_R on the COMPONENT VIDEO OUT on your DVD Player to Y, P_B, and P_R on the VIDEO IN 4 panel at the rear of your TV.

Note

- Some DVD Player terminals may be labeled Y, C_B, and C_R, or Y, B-Y, and R-Y. If yours are labeled so, connect them by matching the colors.

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For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO does not provide sound, your audio connectors must still be connected.

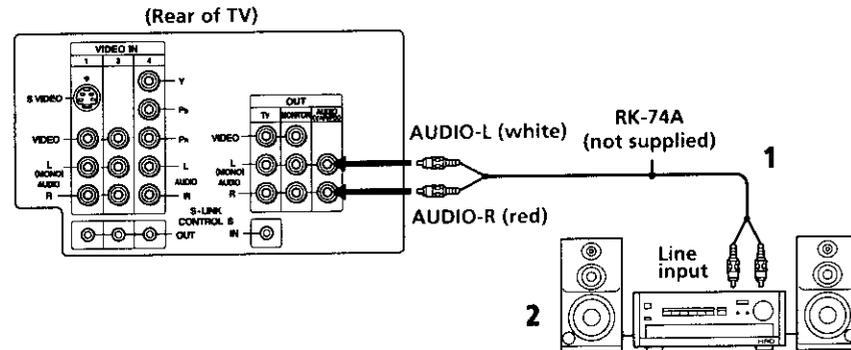


Additional Connections

Connecting an audio system

For an enhanced sound, connect your audio system to your TV.

- 1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on your stereo.
- 2 Set your stereo to the chosen Line input and use the AUDIO menu to set your audio output. (see "SPEAKER" and "AUDIO OUT" on page 22)



Connecting an A/V receiver

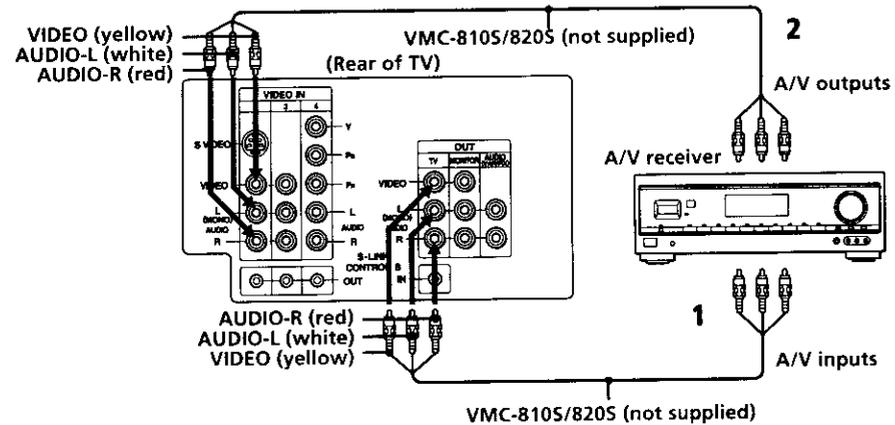
- 1 Using A/V cables, connect TV OUT on your TV to TV IN on your A/V receiver.
- 2 Using A/V cables, connect A/V OUT on your receiver to VIDEO IN on your TV.

Note

- If you will be connecting your A/V receiver to external speakers, you do not need to connect AUDIO OUT on your A/V receiver to AUDIO IN on your TV.

Tip

You may want to use CHANNEL FIX to fix your TV's input to the A/V receiver (VIDEO 1). (see "CHANNEL SET UP" on page 24)



Connecting and Installing the TV (continued)

Connecting a camcorder

This connection is convenient for viewing a picture directly from your camcorder.

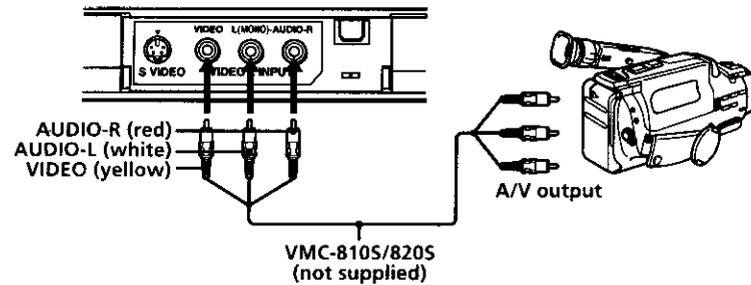
Using A/V connectors, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on your TV.

Connection can also be made directly to your A/V input located on the rear of your TV.

Note

- If you are connecting a monaural camcorder, connect only the single white audio output to the left input on your TV.

If you have an S VIDEO equipped camcorder, you can use an S Video cable for optimum picture quality.



Using Special Sony Features

Using the CONTROL S feature

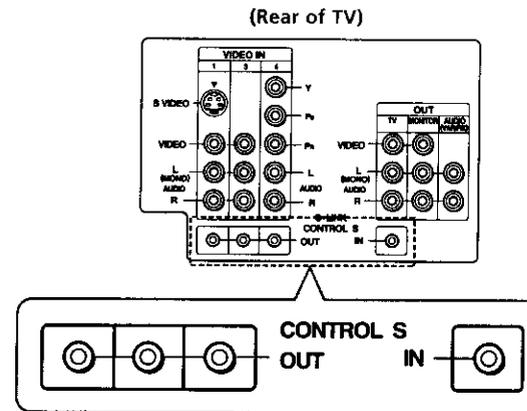
CONTROL S allows you to control your TV and other Sony equipment with one remote control.

To control your other Sony equipment with your TV's remote control, connect the CONTROL S IN jack of the equipment to the CONTROL S OUT jack on the TV with the CONTROL S cable.

To control other Sony equipment with your TV's remote control, see the next page.

Note

- You can also program your remote control to control other equipment. (see "Operating Video Equipment" on page 26)

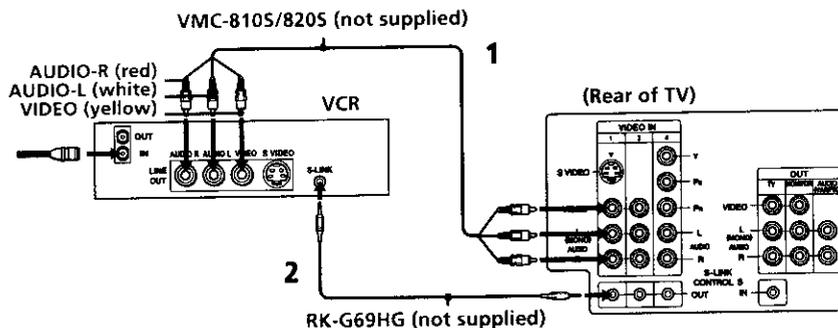


Connecting and Installing the TV (continued)

Connecting S-Link to a VCR

S-Link will automatically power on the TV and switch to the correct video input when a tape is inserted in the VCR.

- 1 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.
- 2 Using an S-Link connector (mono mini plug), connect S-LINK on your VCR to S-LINK/CONTROL S-OUT on your TV.



Connecting S-Link to a DBS

When you power on the DBS, S-Link will automatically power on the TV and switch to the correct video input.

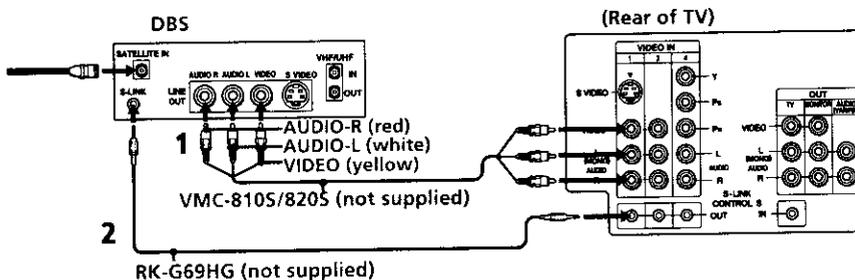
- 1 Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS to AUDIO and VIDEO IN on your TV.
- 2 Using an S-Link connector (mono mini plug), connect S-LINK on your DBS to S-LINK/CONTROL S-OUT on your TV.

Note

- If you have labeled one of your video inputs as SKIP (see "VIDEO LABEL" on page 25) and then connect video equipment to this input using S-Link, the S-Link feature will override the SKIP function.

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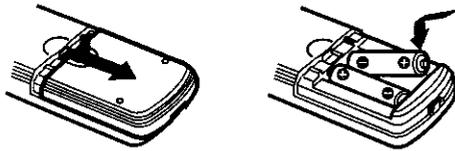
The S-Link connector must be in the same VIDEO-IN jacks as the A/V cables on your TV.



Basic Set Up

Inserting batteries

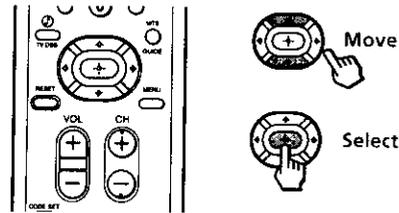
Insert two size AA (R6) batteries (supplied) by matching the + and - on the batteries to the diagram inside the battery compartment.



Notes

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.
- Handle the remote control with care. Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high.
- Your remote control can be programmed to operate most video equipment. (see page 26)

Using the remote control move & select buttons



The supplied remote control has "arrow" buttons (↑, ↓, ←, →) which allow for movement of the on-screen (▶) selector. Pressing on the outer buttons will cause the selector to *move* in the corresponding direction. Pressing the center button (⊕) will *select* the item.

Adjustment bars

When menu items present an adjustment bar (▬ or ▬▬), use the arrow buttons to change the setting.

On-screen help/instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions.

When presented, use these to supplement the instructions in this manual.

Using Your New TV

Setting up the TV automatically

The Easy Setup Guide allows you to set the on-screen language and set all receivable channels in one step.

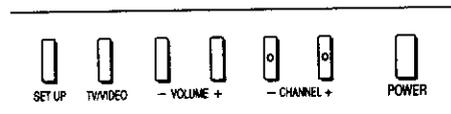
The **AUTO PROGRAM** function of the Easy Setup Guide feature does not apply for installations that use a cable box for all channel selection.

To set up the TV manually, refer to "Using the SET UP menu" on page 24.

Tips

- Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.
- The TV must be set to the TV input to execute **AUTO PROGRAM**. Press TV/VIDEO until a channel number appears.
- If your cable or antenna is connected to AUX, press ANT until AUX appears next to the channel number.

Using the buttons on the top of the TV:

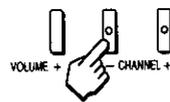


- 1 Press **POWER** to turn on the TV. The Easy Setup Guide screen appears.



- 2 Press **CH +** to select **ENGLISH**, **CH -** to select **ESPAÑOL** or **VOL +** to select **FRANÇAIS**.

The screen will change to reflect your choice.



For a **DEMO** of functions and menus, press **TV / VIDEO**.

- 3 Press **VOL -** to continue.



AUTO PROGRAM appears and the TV starts scanning and presetting channels automatically. If the TV receives cable channels, **CABLE** is set to **ON** automatically.

To perform **AUTO SET UP** again

Press the **SET UP** button on the TV and follow steps 2-3.

Notes

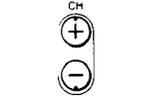
- Before you perform Easy Setup Guide again, make sure that the input from **ANT** (not **AUX**) is selected by pressing **ANT** until "**AUX**" does not appear next to the channel number.
- When you perform **AUTO PROGRAM**, your **CHANNEL FIX**, **TIMER**, and **CHANNEL BLOCK** settings will be erased.
- To reset your TV to factory settings, turn the TV on. Then, while pressing the **RESET** button on your remote control, press the **POWER** key on your TV. The TV will turn itself off, then back on.

Watching the TV

All of the TV features can be accessed via the remote control. The following chart will explain the function of the buttons found on your remote control.



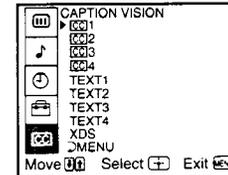
REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

Using the White Labeled Buttons for TV Operations	
	Press when you want to turn equipment on and off.
	Press when you want to control connected components with your remote control. (see pages 26-28 for instructions on programming your remote control)
	Use for direct channel selection. Press 0-9 to select a channel, the channel will change after 2 seconds, or you can press ENTER for immediate selection.
	Press to scan through the channels. <i>Keeping the CH + or - pressed allows you to rapidly scan to the desired channel.</i>
	Press to alternate or <i>jump</i> back and forth between two channels. You can jump between the last two channels selected with the 0-9 keys.
	Press to mute the sound (MUTING will appear on the screen). Press again or press VOL + to restore sound.
	Press repeatedly until the TV displays the approximate time in minutes (30, 60, or 90) that you want the TV to remain on before shutting off automatically. Cancel by pressing until SLEEP OFF appears.

Using Your New TV (continued)

Using the White Labeled Buttons for TV Operations	
	<p>Press repeatedly to cycle through available displays:</p> <p>Status Channel number, current time, channel caption (if set) are displayed.</p> <p>CAPTION VISION/XDS Closed Captioning or XDS will be displayed if the broadcaster offers this service. (see right)</p> <p>To cancel the display, press DISPLAY until DISPLAY OFF appears.</p>
	<p>Press repeatedly to cycle through available video inputs: TV, VIDEO 1, VIDEO 2, VIDEO 3 and VIDEO 4</p>
	<p>Press to change the VHF/UHF input to the AUX input. (For detailed connection information, see "Cable and antenna" or "Cable box and cable" on pages 3-4.)</p> <p>Press to change between VIDEO and TV mode.</p>
	<p>Press when you are finished using a VCR and you want to switch to the TV input. Your VCR power will remain on.</p>
	<p>Press this button to cycle through the Multi-channel TV Sound (MTS) options: STEREO, SAP, MONO (see page 22)</p> <p>GUIDE is a feature of DBS, refer to your DBS operation instructions.</p>
	<p>The SYSTEM OFF button allows you to power off all Sony equipment at once.</p>
	<p>Press to turn ON or OFF one of the following audio effects:</p> <p>SIMULATED: Adds a surround-like effect to mono programs.</p> <p>SRS: Produces a dynamic three dimensional sound for stereo signals.</p> <p>AUTO SRS: Automatically detects whether a stereo or mono signal is being received and switches the TV effect between SRS and SIMULATED.</p> <p>OFF: Normal stereo or mono reception.</p> <p>TV/DBS is a feature of DBS, refer to your DBS operating instructions.</p>

CAPTION VISION (Closed Caption)



CAPTION VISION can be used for programs that are broadcast with closed caption.

To access CAPTION VISION:

- 1 Press MENU.
- 2 Press \downarrow to scroll to , then press .
- 3 Choose a CAPTION VISION option.
- 4 Access CAPTION VISION through your DISPLAY button. (see left)

CC1, 2, 3 or 4

Shows you a printed version of the dialog or sound effects of a program. (The mode should be set to CC1 for most programs)

TEXT1, 2, 3 or 4

Shows you network/station information presented using either half or the whole screen.

XDS (Extended Data Service)

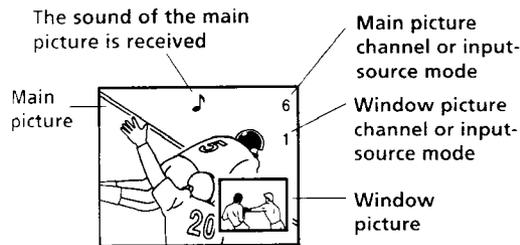
Shows a network name, program name, program length, and time of the show if the broadcaster offers this service.

Note

- Poor reception of TV programs can cause errors in CAPTION VISION and XDS. Captions may appear with a white box or other errors instead of intended text.

Watching two programs at one time - PIP

These models are equipped with dual tuners. This means that PIP is "ready to use".



Notes

- You must press TV (FUNCTION) before you can control PIP with the yellow labeled buttons.
- The AUX input cannot be viewed in the window picture.



REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

Use the Yellow Labeled Buttons for PIP Operations	
PIP 	Press once to display the window picture (1/9 size). Press again to reduce the size of the window picture (1/16 size). Press a third time to turn off the window picture.
TV/VIDEO 	Press repeatedly to cycle through available video inputs: TV, VIDEO 1, VIDEO 2, VIDEO 3, VIDEO 4
AUDIO 	Press to alternate sound between the main picture and the window picture. A 🎵 will appear to indicate which picture is receiving sound.
TV/VTR + CH - 	Press to change the channel in the window picture.
POSITION 	Press to move the location of the window picture (counterclockwise) around the main picture.

 Using Your New TV (continued)

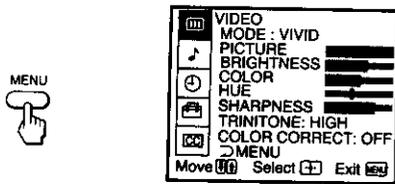
Use the Yellow Labeled Buttons for PIP Operations	
<p>FREEZE</p> 	<p>Press to freeze the window picture. This function is great for copying down phone numbers, addresses, recipes, etc. <i>Press FREEZE again to restore the picture.</i></p>
<p>SWAP</p> 	<p>Press to switch the audio and video of the main picture and the window picture. Each time you press SWAP, the picture and sound of the two will be <i>swapped</i>.</p>

Using Your Menus

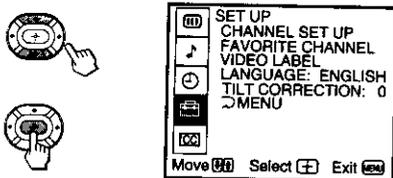
Learning menu selection

Use the MENU button to access a menu and use the arrow buttons (▲ or ▼) to alter settings. Use the following example, in which we activate the CABLE, to learn how to modify settings.

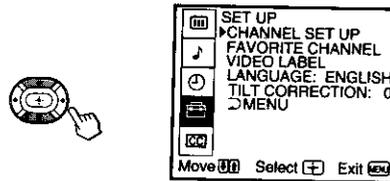
- 1 Press the MENU button.
The main menu appears.



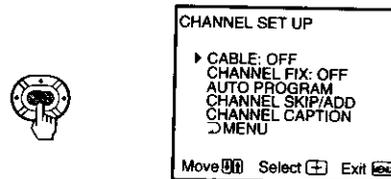
- 2 Press ▲ or ▼ to highlight the desired menu (in this case SET UP) and press (+) to select it.



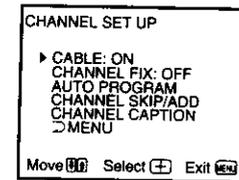
- 3 Press ▲ or ▼ to move to the desired option.



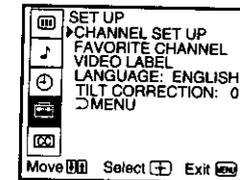
- 4 Press (+).
Options for your selection will be highlighted.



- 5 Press ▲ or ▼ to make your selection and press (+).



When you are finished making changes to the selected menu, choose MENU to return to the main menu.



Notes

- Pressing MENU on the remote control will allow you to exit from the menus at any time.
- If menu items are "grayed out", press the ANT button on your remote control until a channel number appears.

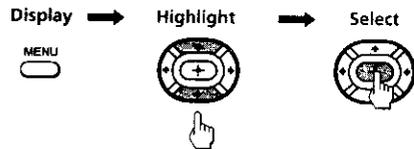
Using Your Menus (continued)

Quick start to the menus

The following is a guide to your menus.

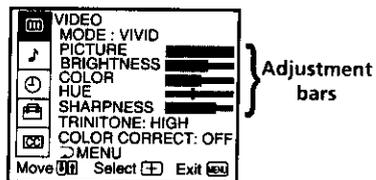
For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 19.

To select a menu:



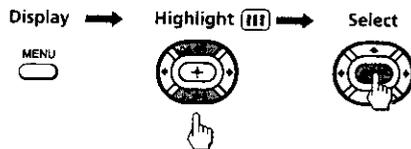
	<p>The VIDEO menu will allow you to make adjustments to your picture settings. It will also allow you to customize the picture MODE based on the type of program you are viewing.</p>
	<p>The AUDIO menu offers enhanced audio options such as listening to second audio programming (SAP), or customizing the EFFECT of the sound on your TV.</p>
	<p>The TIMER menu sets the clock on your TV and allows you to program your TV for scheduled viewing using the ON/OFF TIMER.</p>
	<p>The SET UP menu provides several options for setting up your channels, labeling your TV/VIDEO inputs, and selecting the LANGUAGE of your menus.</p> <p>The CHANNEL SET UP menu is a sub-menu which provides further options for setting up your TV.</p> <div data-bbox="1465 1026 1692 1198" style="border: 1px solid black; padding: 5px;"> <p>CHANNEL SET UP</p> <ul style="list-style-type: none"> ▶ CABLE: ON CHANNEL FIX: OFF AUTO PROGRAM CHANNEL SKIP/ADD CHANNEL CAPTION ▶ MENU <p>Move [Left] Select [Enter] Exit [Exit]</p> </div>

Using the VIDEO menu



For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 19.

To select the VIDEO menu:



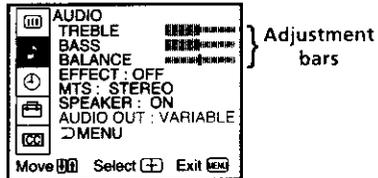
To restore the factory VIDEO settings

Press RESET while the VIDEO menu is displayed.

MODE <i>Customized picture viewing</i>	VIVID: Select for enhanced picture contrast and sharpness. SPORTS: Select for a bright picture. MOVIE: Select for a finely detailed picture. STANDARD: Select to receive a standard picture. You can alter VIDEO menu settings (e.g. PICTURE, HUE) for each MODE. Select each mode individually and then press RESET to restore factory settings.
PICTURE <i>Picture contrast</i>	Adjust left to decrease picture contrast and soften the color. Adjust right to increase picture contrast and create more vivid color.
BRIGHTNESS <i>Picture adjustment</i>	Adjust left to darken the picture. Adjust right to brighten the picture.
COLOR <i>Color saturation</i>	Adjust left to decrease color intensity or saturation. Adjust right to increase color intensity or saturation.
HUE <i>Color tones</i>	Adjust left to increase the red tones. Adjust right to decrease the red tones.
SHARPNESS <i>Picture detail</i>	Adjust left to soften the picture detail. Adjust right to sharpen the picture detail.
TRINITONE <i>White intensity adjustment</i>	HIGH: Select to give the white colors a blue tint. MEDIUM: Select to give the white colors a neutral tint. NTSC STD: Select to give the white colors a red tint.
COLOR CORRECT <i>Color ratio adjustment</i>	Select ON to emphasize reds and blues. Select OFF to emphasize greens.

Using Your Menus (continued)

Using the AUDIO menu



} Adjustment bars

For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 19.

To select the AUDIO menu:



To restore the factory AUDIO settings

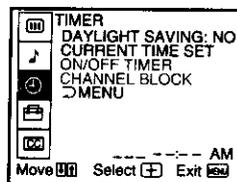
Press RESET while the AUDIO menu is displayed.

Tips

- Press  to cycle through your audio EFFECT options.
- Press MTS on your remote control to cycle through the MTS options.

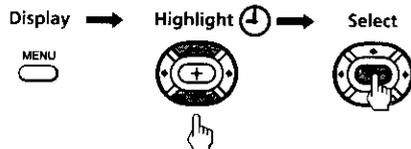
TREBLE	Adjust left or right to decrease or increase higher pitched sound.
BASS	Adjust left or right to decrease or increase low pitched sounds.
BALANCE	Adjust left or right to emphasize left and right speaker volume.
EFFECT <i>Enhanced audio options</i>	Press  or  to cycle through the following audio effects: SIMULATED: Adds a surround-like effect to mono programs. SRS: Produces a dynamic three dimensional sound for stereo signals. AUTO SRS: Automatically detects whether a stereo or mono signal is being received and switches the TV effect between SRS and SIMULATED. OFF: Normal stereo or mono reception.
MTS <i>Enjoy stereo, bilingual and mono programs</i>	MTS: Press  or  to select one of the following options: MONO: Select to reduce noise during stereo broadcasts for areas of weak reception. SAP: Select to listen to bilingual broadcast. (Non-SAP programs will be muted when this feature is selected) STEREO: Select when viewing a broadcast in stereo.
SPEAKER <i>Custom selection of audio output source</i>	ON: Select to listen to the sound from the TV speakers with or without a separate stereo system. OFF: Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers.
AUDIO OUT <i>Use to control the TV's volume through a stereo</i>	AUDIO OUT can only be set when SPEAKER is set to OFF. VARIABLE: Sound output varies according to the TV settings. <i>Useful when you want to use your TV's remote control to adjust the output of a separate audio system.</i> FIXED: Sound output is held at a fixed level through your stereo. <i>Use your A/V receiver's remote control to adjust the volume.</i>

Using the TIMER menu



For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 19.

To select the TIMER menu:

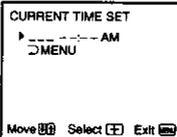
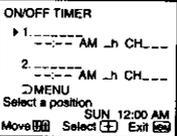
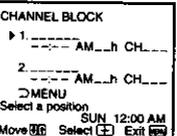


To cancel the ON/OFF TIMER function

Press RESET while the ON/OFF TIMER menu is displayed.

Tip 

Set DAYLIGHT SAVING time before setting the clock.

<p>DAYLIGHT SAVING <i>Automatically adjusts the time</i></p>	<p>Spring: Select YES to compensate for Daylight Saving Time. <i>The current time moves one hour ahead.</i> Fall: Select NO at the end of Daylight Saving Time. <i>The current time moves back one hour.</i></p>
<p>CURRENT TIME SET <i>Necessary for the ON/OFF TIMER</i></p>	<p>With the CURRENT TIME SET menu open:</p> <ol style="list-style-type: none"> 1 Press . 2 Press  or  until the current day is displayed. Press  to select. 3 Press  or  until the current hour and AM/PM is displayed. Press  to select. 4 Press  or  until the current minute is displayed, press . The clock is set. Press MENU to exit. <i>Any loss of power will cause these settings to be erased.</i> 
<p>ON/OFF TIMER <i>Wake up or scheduled viewing</i></p>	<p>With the ON/OFF TIMER menu open:</p> <ol style="list-style-type: none"> 1 Choose the ON/OFF TIMER you would like to set and press . 2 Press  or  until the desired day or range of days is displayed. Press  to select. 3 Indicate the time that you want the TV to turn on (hour, then minutes) by pressing  or  and then . 4 Set the time duration (maximum of 6 hours) by pressing  or  and then . 5 Press  or  until you reach the desired channel. Press  to select. The ON/OFF TIMER is now set. Press MENU to exit. <i>When you perform AUTO PROGRAM, all ON/OFF TIMER settings will be erased.</i> 
<p>CHANNEL BLOCK <i>Prevent access to certain channels</i></p>	<p>You will be able to block two channels for a period of up to 12 hours.</p> <p>FOLLOW STEPS 1-5 OF ON/OFF TIMER ABOVE</p> <p>To erase your CHANNEL BLOCK settings, press RESET while in the CHANNEL BLOCK window. Performing AUTO PROGRAM will erase your CHANNEL BLOCK settings.</p> 

Using Your Menus (continued)

Using the SET UP menu



For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 19.

To select the SET UP menu:



Notes

- The FAVORITE CHANNEL feature is not available for the AUX input.
- Your remote control can be programmed to operate your cable box. (see page 28)
- After setting CABLE, you will need to run AUTO PROGRAM.
- ON/OFF TIMER and CHANNEL BLOCK settings will be erased when CHANNEL FIX is set.

CHANNEL SET UP

Basic set up options for viewing

With the CHANNEL SET UP menu open: Press \uparrow or \downarrow to access a feature, then press \rightarrow .

CABLE: Select ON if your TV is connected to a cable system.

CHANNEL FIX: Press \uparrow or \downarrow to set the TV's input to one of the following options:

2-6: When a cable box is connected to the VHF/UHF input. Press DBS/CABLE (FUNCTION) and then CH +/- to change channels through your cable box.

AUX 2-6: When a cable box is connected to AUX and a cable or antenna is connected to VHF/UHF. You can alternate between the two inputs by pressing ANT on the remote control.

VIDEO 1: When you have connected video equipment (e.g. A/V receiver) and you want the TV input fixed to it. You will be able to alternate between video sources using the A/V receiver.

OFF: When you want to turn CHANNEL FIX off.

AUTO PROGRAM: Instructs the TV to program all receivable channels.

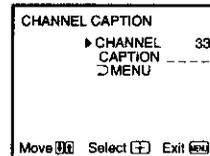
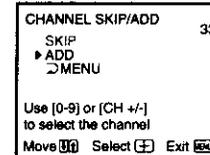
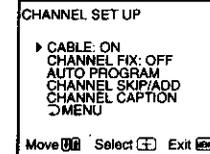
CHANNEL SKIP/ADD: With the CHANNEL SKIP/ADD window open:

- 1 Select the desired channel.
- 2 Press \rightarrow to SKIP or ADD (only one option will be available).

CHANNEL CAPTION: Label up to 12 channels with their call letters (up to four letters).

With the CHANNEL CAPTION menu open:

- 1 Press \rightarrow and then \uparrow or \downarrow to access the desired channel, and press \rightarrow again.
- 2 Press \uparrow or \downarrow to display the first letter or number of the caption and press \rightarrow to select it.
- 3 Press \rightarrow to activate. To erase a caption, press RESET.



<p>FAVORITE CHANNEL Quick access to favorite channels</p>	<p>Setting FAVORITE CHANNEL:</p> <ol style="list-style-type: none"> 1 Press ⏏ and then ▲ or ▼ to select AUTO or MANUAL. (Selecting AUTO will display the last five channels chosen with the remote control's 0-9 buttons.) 2 Press ▲ or ▼ to move the cursor to 1, 2, 3, 4 or 5 and press ⊕. 3 Press ▲ or ▼ to access the desired channel and press ⊕. To preview your favorite channels in the window picture, set PREVIEW to ON. <p>Using FAVORITE CHANNEL:</p> <ol style="list-style-type: none"> 1 Press ⊕ when in normal viewing mode. Your FAVORITE CHANNEL options will appear. 2 Press ▲ or ▼ to access the channel you want to watch, and press ⊕. If PREVIEW is ON, a window picture displays your favorite channels as you cycle through the options. 	<div data-bbox="1675 435 1906 609"> <p>FAVORITE CHANNEL</p> <p>▶ MODE : AUTO PREVIEW : ON</p> <p>1. 6 2. 5 3. 4 4. 3 5. 2</p> <p>▶MENU</p> <p>Move ⏏ Select ⊕ Exit ⏏</p> </div> <div data-bbox="1675 625 1906 799"> <p>FAVORITES</p> <p>▶ 125 ESPN 14 ABC 48 CBS 18 NBC 5 CBC</p> <p>▶Exit</p>  </div>
<p>VIDEO LABEL Label connected equipment for easy recognition</p>	<p>With the VIDEO LABEL window open:</p> <ol style="list-style-type: none"> 1 Press ▲ or ▼ to access the input mode you want to label and press ⊕. 2 Press ▲ or ▼ to choose the label and press ⊕. <p>VIDEO LABEL Options: VIDEO 1/2/3: VHS, 8mm, BETA, LD, GAME, DBS, DVD, WEB, RECEIVER, DTV, SKIP VIDEO 4: DVD, DTV, SKIP</p> <p><i>When VIDEO LABEL is set to WEB, the picture will darken, creating an ideal picture for WebTV viewing. If you select SKIP, your TV will skip this connection when you cycle through video sources using the TV/VIDEO button.</i></p>	<div data-bbox="1675 831 1906 1005"> <p>VIDEO LABEL</p> <p>▶ VIDEO 1 : VHS VIDEO 2 : GAME VIDEO 3 : VIDEO 3 VIDEO 4 : VIDEO 4</p> <p>▶MENU</p> <p>Move ⏏ Select ⊕ Exit ⏏</p> </div>
<p>LANGUAGE</p>	<p>Select from available languages to display all menus in your language of choice.</p>	
<p>TILT CORRECTION</p>	<p>Press ▲ or ▼ to correct any tilt of the picture between +5 and -5 and press ⊕.</p>	

Operating Video Equipment

Programming the remote

You can use the supplied remote control to operate Sony or non-Sony video equipment.

- 1 Press CODE SET.
- 2 Press VTR/DVD (FUNCTION).
- 3 Use the 0-9 buttons to key in the manufacturer's code number from the following chart.
- 4 Press ENTER.

VCR code numbers

Manufacturer	Code
Sony	301, 302, 303
Admiral (M. Ward)	327
Aiwa	338, 344
Audio Dynamic	314, 337
Broksonic	319, 317
Canon	309, 308
Citizen	332
Craig	302, 332
Criterion	315
Curtis Mathes	304, 338, 309
Daewoo	341, 312, 309
DBX	314, 336, 337
Dimensia	304
Emerson	319, 320, 316, 317, 318, 341
Fisher	330, 335
Funai	338
General Electric	329, 304, 309
Go Video	322, 339, 340

Goldstar	332
Hitachi	306, 304, 305, 338
Instant Replay	309, 308
JC Penney	309, 305, 304, 330, 314, 336, 337
JVC	314, 336, 337, 345, 346, 347
Kenwood	314, 336, 332, 337
LXI (Sears)	332, 305, 330, 335, 338
Magnavox	308, 309, 310
Marantz	314, 336, 337
Marta	332
Memorex	309, 335
Minolta	305, 304
Mitsubishi/MGA	323, 324, 325, 326
Multitech	325, 338, 321
NEC	314, 336, 337
Olympic	309, 308
Optimus	327
Panasonic	308, 309, 306, 307
Pentax	305, 304
Philco	308, 309
Philips	308, 309, 310
Pioneer	308
Quasar	308, 309, 306
RCA/PROSCAN	304, 305, 308, 309, 311, 312, 313, 310, 329
Realistic	309, 330, 328, 335, 324, 338
Sansui	314
Samsung	322, 313, 321
Sanyo	330, 335
Scott	312, 313, 321, 335, 323, 324, 325, 326
Sharp	327, 328
Shintom	315
Signature 2000 (M. Ward)	338, 327
SV2000	338
Sylvania	308, 309, 338, 310
Symphonic	338

Tashiro	332
Tatung	314, 336, 337
Teac	314, 336, 338, 337
Technics	309, 308
Toshiba	312, 311
Wards	327, 328, 335, 331, 332
Yamaha	314, 330, 336, 337
Zenith	331

Operating a VCR Buttons on the remote control

To turn on or off	Press VTR/DVD (POWER).
To select a channel directly	Press the 0 – 9 buttons.
To change channels	Press CH +/-.
To record	Press  and  simultaneously.
To play	Press  .
To stop	Press  .
To fast forward	Press  .
To rewind the tape	Press  .
To pause	Press  . To resume normal playback, press again or press  .
To scan	Press  or  during playback. To resume normal playback, release the button.
To change input mode	Press TV/VTR.

Tips 💡

- In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.
- When you remove the batteries, the code number may revert to the factory setting.
- The code numbers for Sony VCR's are assigned at the factory as follows:

VHS VCR	301
	(preset code for the supplied remote control)
8 mm VCR	302
Beta, ED Beta VCRs	303

**MDP (Multi Disc Player)
code numbers**

Manufacturer	Code
Sony	701
Panasonic	704, 710
Pioneer	702

Operating an MDP Buttons on the remote control

To turn on or off	Press VTR/DVD (POWER).
To play	Press ►.
To stop	Press ■.
To pause	Press ▬. To resume normal playback, press again or press ►.
To scan	Press ►► or ◀◀ during playback. To resume normal playback, press ►.
To search the chapter forward or backward	Press CH +/-.

Tip 💡

If you will not be programming a DBS or cable box into the DBS/CABLE function of your remote, you can use it to program other video equipment (e.g. DVD, MDP, or second VCR). (see page 26)

**DVD (Digital Versatile Disc)
code numbers**

Manufacturer	Code
Sony	751
Panasonic	753
Pioneer	752
RCA	755
Toshiba	754

Operating a DVD Buttons on the remote control

To turn on or off	Press VTR/DVD (POWER).
To play	Press ►.
To stop	Press ■.
To pause	Press ▬. To resume normal playback, press again or press ►.
To scan	Press ►► or ◀◀ during playback. To resume normal playback, press ►.
To search the chapter forward or backward	Press CH +/-.
To select chapters directly	0-9 + ENTER.
MENU	Press to display DVD menu.
To move cursor in menu	Use your arrow buttons ⬆, ⬇, ⬅, ➡.

■ ■ Operating a Cable Box or DBS Receiver

Programming the remote

You can program the supplied remote control to operate a cable box or DBS receiver.

- 1 Press CODE SET.
- 2 Press DBS/CABLE (FUNCTION).
- 3 Use the 0-9 buttons to key in the manufacturer's code number from the following chart.
- 4 Press ENTER.

For more details on operating the cable box or DBS receiver

Refer to the operating instructions that were supplied with the equipment.

If the remote control doesn't work

- First, try repeating the setup procedures using the other codes listed for your equipment.

Tips

- *If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.*
- *If you enter a new code number, the code number you previously entered at that setting is erased.*
- *In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's supplied remote control.*
- *Whenever you remove the batteries the code numbers may revert to the factory setting.*

Cable box code numbers

Manufacturer	Code
Hamlin/Regal	222, 223, 224, 225, 226
Jerrold/G. I.	201, 202, 203, 204, 205, 206, 207, 208, 218
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Atlanta	209, 210, 211
Tocom	216, 217
Zenith	212, 213

DBS receiver code numbers

Manufacturer	Code
Sony	801 (preset code for remote control)
General Electric	802
Hitachi	805
Hughes	804
Panasonic	803
RCA/PROSCAN	802, 808
Toshiba	806, 807

Troubleshooting

Consult the table below; it suggests solutions to specific problems.

Problem	What it could be	What you can do
You want to restore the TV's factory settings		<ul style="list-style-type: none"> • First, turn the TV on. Then while pressing the RESET button on the remote control, press the POWER button on the TV. The TV will turn itself off and then back on. When the TV turns on again, all settings will be reset, and the Easy Setup Guide will appear.
A red light keeps flashing on the TV for more than a few seconds	<ul style="list-style-type: none"> • Your TV may need service. 	<ul style="list-style-type: none"> • Call your local Sony service center.
TV makes a noise when turned on	<ul style="list-style-type: none"> • This is a normal function of your TV. 	
Screen is not lit and there is no sound	<ul style="list-style-type: none"> • Power cord may not be plugged in. • Batteries may not be inserted correctly. • TV/VIDEO setting may be incorrect. 	<ul style="list-style-type: none"> • Press TV/VIDEO until you receive a channel.
Poor or no picture (screen lit), good sound	<ul style="list-style-type: none"> • VIDEO menu settings may not be adjusted correctly. • Antenna/cable connections may be faulty. • VIDEO LABEL inputs may be set to WEB. (This label darkens the screen for ideal WebTV viewing) 	<ul style="list-style-type: none"> • Readjust your VIDEO menu settings. (see page 21) • Check your VIDEO LABEL settings. (see page 25)
Good picture, no sound	<ul style="list-style-type: none"> • Sound may be set to MUTING. • Your TV may be set to SAP. • Speaker may not be set correctly. 	<ul style="list-style-type: none"> • Press MUTING. • Check the MTS setting in the AUDIO menu. (see page 22) • Check your SPEAKER settings. (see page 22)
No color	<ul style="list-style-type: none"> • Color settings may not be adjusted correctly. 	<ul style="list-style-type: none"> • Adjust the COLOR settings in the VIDEO menu. (see page 21)

Troubleshooting (continued)

Problem	What it could be	What you can do
Only snow and noise appear on the screen	<ul style="list-style-type: none"> • CABLE may not be set correctly in the SET UP menu. • Antenna/cable connections may not be correct. • TV may be set to AUX mode. 	<ul style="list-style-type: none"> • Ensure that you have selected the correct CABLE mode in the SET UP menu. (see page 24) • Press ANT on your remote control to change the input mode. (see page 16)
Cannot receive upper channels (UHF) when using an antenna	<ul style="list-style-type: none"> • CABLE setting may not be correct in the SET UP menu. 	<ul style="list-style-type: none"> • Ensure that CABLE is set to OFF in the SET UP menu. (see page 24) • Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (see page 24)
Cannot receive any channels when using cable	<ul style="list-style-type: none"> • CABLE setting may not be set correctly in the SET UP menu. 	<ul style="list-style-type: none"> • Ensure that CABLE is set to ON in the SET UP menu. (see page 24) • Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (see page 24)
Cannot gain enough volume when using a cable box	<ul style="list-style-type: none"> • Volume may not be adjusted on your cable box. 	<ul style="list-style-type: none"> • Press TV (FUNCTION) and adjust the TV's volume.
TV is fixed to one channel	<ul style="list-style-type: none"> • CHANNEL FIX settings may not be correct. 	<ul style="list-style-type: none"> • Check your CHANNEL FIX settings. (see page 24)

If, after reading these operating instructions, you have additional questions related to the use of your Sony television, please call our Direct Response Center at 1-800-222-SONY (7669)(U.S. residents only) or (416) 499-SONY (7669)(customers in Canada only).

Specifications

Supplied accessories

Remote control RM-Y167 (1)
Batteries size AA (R6) (2)

Optional accessories

Connecting cables
RK-74A, RK-G69HG, VMC-10HG,
VMC-720M, VMC-810S/820S, YC-15V/30V
TV Stand SU-32FD1, SU-36FD1
U/V mixer EAC-66

	KV - 32FV1	KV - 36FV1
Power requirements	120 V, 60 Hz	120 V, 60 Hz
Number of inputs/outputs		
Video ¹⁾	3	3
S VIDEO ²⁾	2	2
Audio ³⁾	4	4
Audio out ⁴⁾	1	1
Monitor out ¹⁾	1	1
TV out ¹⁾³⁾	1	1
S-Link	3	3
Y, PB, PR ⁵⁾	1	1
Speaker output (W)	15W × 2	15W × 2
Power consumption (W)		
In use (Max.)	240 W	240 W
In standby	2 W	2 W
Dimensions (W/H/D)		
(mm)	899.4 × 685.6 × 600.7 mm	1010 × 761.2 × 630.9 mm
(in.)	35 ⁷ / ₁₆ × 27 × 23 ²¹ / ₃₂ in	39 ¹³ / ₁₆ × 30 × 24 ¹⁵ / ₁₆ in
Mass (kg)	79 kg	107 kg
(lbs)	175 lbs	236 lbs

Notes

- ¹⁾ 1 Vp-p, 75 ohms unbalanced, sync negative
- ²⁾ Y: 1 Vp-p, 75 ohms unbalanced, sync negative
C: 0.286 Vp-p (Burst signal), 75 ohms
- ³⁾ 500 mVrms Impedance: 47 kilohms
- ⁴⁾ More than 408 mVrms at the maximum volume setting (variable)
More than 408 mVrms (fix)
Impedance (Output): 2 kilohms
- ⁵⁾ Y: 1.0 Vp-p, 75 ohms, sync negative
PB: 0.7 Vp-p, 75 ohms
PR: 0.7 Vp-p, 75 ohms

Television system

American TV standard, NTSC

Channel coverage

VHF: 2-13/UHF: 14 -69/CATV: 1 - 125

Picture tube

FD Trinitron® tube

Visible screen size

32-inch picture measured diagonally (KV-32FV1 only)

36-inch picture measured diagonally (KV-36FV1 only)

Actual screen size

34-inch picture measured diagonally (KV-32FV1 only)

38-inch picture measured diagonally (KV-36FV1 only)

Antenna

75 ohm external terminal for VHF/UHF

Design and specifications are subject to change without notice.

● SRS (SOUND RETRIEVAL SYSTEM)

The ● SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

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