

# FD Trinitron EG ®

**Operating Instructions** 

KV-27FA210

## WARNING

To reduce the risk of fire or electric shock, 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.

#### Note to the CATV 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.

#### SAFETY PRECAUTIONS

- Operate the TV only on 120 V AC.
- One blade of the power plug is wider than the other for safety purposes and will fit into the power 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 falls into the TV, unplug it and have it checked by qualified personnel before operating it further.

#### CAUTION

When using TV games, computers, and similar products with your TV, keep the brightness and 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 contrast setting, the image can be permanently imprinted onto the screen. Continuously watching the same channel 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 results of misuse.



To reduce the risk of electric shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted to prevent blade exposure.



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

#### 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
- 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.

#### Protecting the TV

- 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.

#### Note on Caption Vision

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

#### Owner's Record

The model and serial numbers are located on the front cover of this manual and at the rear of your TV.

#### Trademarks and Copyrights

ENERGY STAR® is a registered mark.



As an ENERGY STAR® Partner, Sony has determined that this product or product model meets the ENERGY STAR® quidelines for energy efficiency.

WEGA®, FD Trinitron, Caption Vision, Dynamic Bass Response System and Steady Sound are registered trademarks of Sony Corporation.

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"WOW, TruSurround, and the (♠)® symbol are trademarks of SRS Labs, Inc. WOW technology is incorporated under license from SRS Labs, Inc.

# IMPORTANT SAFEGUARDS

For your protection, please read these instructions completely, and keep this manual for future reference. Carefully observe and comply with all warnings, cautions and instructions placed on the set, or described in the operating instructions or service manual.

To guard against injury, the following basic safety precautions should be observed in the installation, use, and servicing of the set.

#### Use

#### **Power Sources**

This set should be operated only from the type of power source indicated on the serial/model plate. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company. For those sets designed to operate from



battery power, refer to the operating instructions.

#### Grounding or Polarization

This set may be equipped with a polarized alternating current line plug (a plug having one blade wider than other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

#### For the set with a polarized AC power cord plug

This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact



vour electrician to have a suitable outlet installed. Do not defeat the safety purpose of the polarized plug by forcing it in.

#### **Alternate Warning**

#### For the set with a three-wire grounding type AC plug

This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the grounding plug.



#### Overloading

Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.



Always turn the set off when it is not to be used. When the set is left unattended and unused for long periods of time, unplug it from the wall outlet as a precaution against the possibility of an internal malfunction that could create a fire

Do not disconnect the antenna or the power cord during a heavy storm. Lightning may strike while you are holding the cable or cord, causing serious injury. Turn off your TV and wait for the weather to improve.

#### **Object and Liquid Entry**

Never push objects of any kind into the set through the cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the set.



#### Attachments

Do not use attachments not recommended by the manufacturer, as they may cause hazards.

Do not place any objects, especially heavy objects, on top of the set. The object may fall from the set, causing injury.



#### Cleaning

Unplug the set from the wall outlet before cleaning or polishing it. Do not use liquid cleaners or aerosol cleaners. Use a cloth lightly dampened with water for cleaning the exterior of the set.



If a snapping or popping sound from a TV set is continuous or frequent while the TV is operating, unplug the TV and consult your dealer or service technician. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off.



#### Installation

Always use two or more people to lift or move the set. The set is heavy and the bottom surface is flat. Serious injury can result from trying to move the set by yourself alone, or from unsteady handling. Install the set on a stable, level surface.

#### Water and Moisture

Do not use power-line operated sets near water for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.





#### Accessories

Do not place the set on an unstable cart, stand, tripod, bracket, table, or shelf. The set may fall, causing serious injury to a child or an adult, and serious damage to the set. Use





only a cart or stand recommended by the manufacturer for the specific model of TV. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

#### Ventilation

The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of the set, and to protect it from overheating, these slots and openings must never be blocked or covered.

- Never cover the slots and openings with a cloth or other materials.
- Never block the slots and openings by placing the set on a bed, sofa, rug or other similar surface.
- Never place the set in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided.
- Do not place the set near or over a radiator or heat register, or where it is exposed to direct sunlight.



Do not allow anything to rest on or roll over the power cord, and do not place the set where the power cord is subject to wear or abuse.



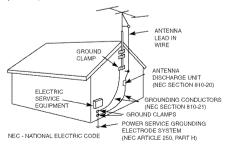
If an outdoor antenna is installed, follow the precautions below. An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits.

WHEN INSTALLING AN OUTDOOR ANTENNA SYSTEM, EXTREME CARE SHOULD BE TAKEN TO KEEP FROM CONTACTING SUCH POWER LINES OR CIRCUITS AS CONTACT WITH THEM IS ALMOST INVARIABLY FATAL.

Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code (NEC) in USA and Section 54 of the Canadian Electrical Code in Canada provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

#### Antenna Grounding According to the NEC

Antenna Grounding According to the National Electrical Code, ANSI/NFPA 70.



#### Lightning

For added protection for this television receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the receiver due to lightning and power-line surges.

#### Service Damage Requiring Service

Unplug the set from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power cord or plug is damaged or frayed.
- If liquid has been spilled into the set or objects have fallen into the product.
- If the set has been exposed to rain or water.
- If the set has been subject to excessive shock by being dropped, or the cabinet has been damaged.
- If the set does not operate normally when following the operating instructions. Adjust only those controls that are specified in the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the set to normal operation.
- When the set exhibits a distinct change in performance — this indicates a need for service.

#### Servicina

Do not attempt to service the set yourself since opening the cabinet may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.



#### Replacement Parts

When replacement parts are required, be sure the service technician certifies in writing that he has used replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.



#### Safety Check

Upon completion of any service or repairs to the set, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the set is in safe operating condition, and to so certify. When the set reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask a qualified service technician to dispose of the set.













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# Introduction

Congratulations on your purchase of the Sony FD Trinitron WEGA®.

# **Introducing the FD Trinitron WEGA® Features**

Some of the features you will enjoy include:

<b>FD Trinitron Flat CRT</b> — Delivers a picture with uncompromising accuracy and outstanding image detail via a technologically advanced tube.
<b>Dynamic Bass Response System</b> — Enhances low-frequency sounds with a powerful subwoofer. New and exclusive from Sony.
Y, Pr. Pr. Inputs — Provides component video inputs for superior picture quality (480i only).
<b>WOW</b> — Provides a dramatic presence with a full, deep bass sound. When WOW is enabled, BBE is directly activated to further enhance the audio performance.
<b>TruSurround</b> — Produces a dynamic three-dimensional sound for stereo audio signals.
<b>BBE</b> — Gives sound more impact by using audio technology to compensate for phase effects in speakers.
<b>Parental Control (V-Chip)</b> — Helps parents monitor what their children watch on TV by establishing rating limits.
<b>Favorite Channels</b> — Provides instant access to your favorite channels with the touch of a button.
<b>Info Banner</b> — Displays the name and the remaining time of the current program, if available.
<b>Universal Remote Control</b> — Operates your connected cable box, VCR, digital satellite receiver, or DVD player.
<b>Energy Star®</b> — Meets the Energy Star guidelines for energy efficiency.
<b>Front Panel Controls</b> — Allows access to the on-screen menus without the use of a remote control.
<b>Front A/V Inputs</b> — Lets you quickly connect video games, camcorders, or stereo/mono equipment.

# **About this Manual**

This manual provides instructions to help you enjoy your new TV. It shows you how to connect to an antenna or cable, cable box, VCR, DVD, satellite receiver, stereo system, or camcorder. Once your TV is connected, follow the instructions and use the remote control to access the on-screen menus.

# **Batteries for the Remote Control**

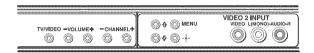
Insert two AA (R6) batteries (supplied) into the remote control using the following illustration as a guide.





- Under normal conditions, batteries will last up to six months. If the remote control does not operate properly, the batteries might be worn out.
- If you will not be using the remote control for an extended period of time, remove the batteries to avoid possible damage from battery leakage.

## **Front Panel Menu Controls**

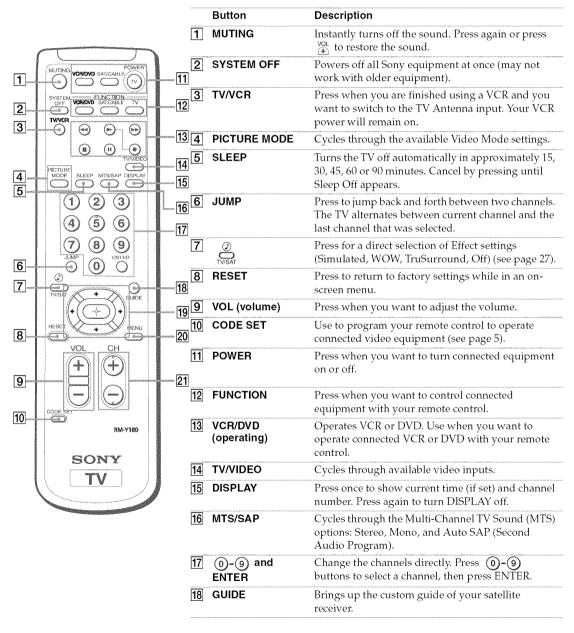


The front Audio/Video panel controls allow you to access the menu without the remote control.

- ☐ Press on-screen menu.
- ☐ Use the ④ and ⑤ buttons on the front Audio/Video panel instead of your remote control.
- Use the  $\odot$  button on the front Audio/Video panel to navigate through the menus, then select an item. The front panel controls also allow you to change your channels (CH+/-), adjust the volume (VOL +/-), and change video inputs.
  - ⚠ To navigate the menus with your remote control, see "Using the Menus" on page 25.

# **Using the Remote Control**

# **Remote Control Description**



Button	Description
19	Moves the cursor in the on-screen menus. Press the arrow buttons to move the cursor. Press the center button to select or access an option.
20 MENU	Displays the on-screen menu. Press again to exit the menu at any time.
21 CH (channel)	Press when you want to change channels.

🗷 If you lose your remote control, see page 42.

# **Programming the Remote Control**

In order to use your remote control with other equipment, you need to program your remote control. Use the following procedure to program the remote control.

1	Check the list of "Manufacturer's Codes" on page 6 and find the three-digit code number for the manufacturer of your component. If more than one code number is listed, use the number listed first.
2	Press CODESET.
Ø	The and button will flash when you press
3	Press or saticable button to indicate the type of component you want to program with the remote control.
1	You must do step 4 within 10 seconds of step 3, or you must redo steps 2 and 3.
4 5 6	Use the ①-① buttons to enter the three-digit manufacturer's code number.  Press O.  To check if the code number works, aim the TV's remote control at the component and press on the green POWER button (VCR/DVD, SAT/CABLE, TV) that corresponds with that component. If it responds, you are done. If not try using another code listed for that
	manufacturer.

🖊 If you have problems programming your remote control, see "Troubleshooting" on page 41.

## Manufacturer's Codes

#### VCRs

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

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Manufacturer	Code
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

# Laserdisc Players

Manufacturer	Code	
Sony	701	
Panasonic	704,710	
Pioneer	702	

# **DVD Players**

Manufacturer	Code
Sony	751
Hitachi	758
JVC	756
Magnavox	757
Mitsubishi	761
Onkyo	762
Oritron	759
Panasonic	753
Philips	757
Pioneer	752
RCA	755
Samsung	758
Toshiba	754
Zenith	760

#### Cable Boxes

Manufacturer	Code
Sony	230
Hamlin/Regal	222, 223, 224, 225, 226
Jerrold/G.I./ Motorola	201, 202, 203, 204, 205, 206, 207, 208, 218
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Altanta	209, 210, 211
Tocom	216, 217
Zenith	212, 213

#### **Satellite Receivers**

Code
801
809
810
810
802
805
804
809
803
802, 808
806, 807

# **Using your TV Remote Control with Other Equipment**

Or	era	itino	ıа١	/CR

Press	To
VCR/DVD	Power on the VCR (VCR/DVD green button)
0-9	Select a channel
$\overset{\scriptscriptstyle{(1)}}{\oplus}\overset{\scriptscriptstyle{(2)}}{\ominus}$	Change channels
	Play video tape
<b>F</b>	Stop
44 or PP	Search forward or backward
III.	Pause
and >	Record
TWYCR	Switch between VCR and TV inputs

## Operating a DVD Player

Press	То
VCR/DVD	Power on the DVD (VCR/DVD green button)
0-9	Select chapters
CH CH	Search chapters forward or backward
	Play DVD
<b>*************************************</b>	Stop
20 60	Pause
MENU	Display the DVD menu
	Use the arrow buttons to move the cursor in the menu, and the center button to select an option

#### Operating a Laser Disc Player

Press	То
VCR/DVD	Power on the laser disc (VCR/DVD green button)
÷ ch ch	Search chapters forward or backward
<b>&gt;</b>	Play disc
	Stop
	Pause

Operating a Satellite Receiver

Press	То			
SAT/CABLE	Power on the satellite receiver (SAT/CABLE green button)			
0-9	Select a channel			
⊕ CH CH	Change channels			
JUMP	Back to previous channel			
DISPLAY	Display channel number			
GUIDE	Display SAT GUIDE			
MENU	Display SAT Menu			
	Use the arrow buttons to move the cursor in the menu, and the center button to select an option			

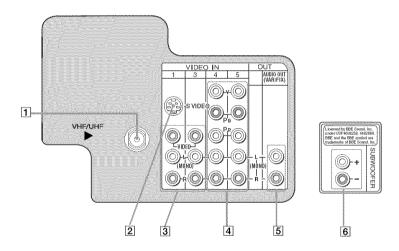
# Operating a Cable Box

Press	To
SAT/CABLE	Power on the cable box (SAT/CABLE green button)
0-9	Select a channel
$\overset{\scriptscriptstyle{\leftrightarrow}}{\oplus}\overset{\scriptscriptstyle{\leftrightarrow}}{\ominus}$	Change channels
JUMP	Change back to previous channel

# **Connecting Your TV**

Read this section before setting up your TV for the first time. This section explains how to make the basic connections and how to connect optional equipment.

# **TV Rear Panel**



Jack	Description		
1VHF/UHF	This input connects to your VHF/UHF antenna or cable.		
2 S VIDEO	This input connects to the S VIDEO OUT jack on your VCR or other video equipment that has S VIDEO. S VIDEO provides better picture quality than the VHF/UHF jacks or the video input jack. S VIDEO does not provide sound, so you still must connect the audio cables.		
3 AUDIO L(MONO), R/ VIDEO	This input connects to the AUDIO/VIDEO output jacks on your VCR or other video equipment. A third video input jack (VIDEO 2) is located on the front panel of the TV. These AUDIO/VIDEO input jacks provide better picture quality than the VHF/UHF jack.		
4 Y, P <sub>B</sub> , P <sub>P</sub> / L(MONO), R	These inputs (Video 4-5) connect to the component video Y, PB, PB, and AUDIO L(MONO), R jacks on your DVD player or digital set-top box (480i only).		

## **Operating Instructions**

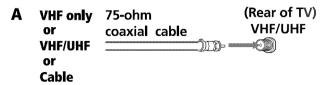
Jack	Description		
5AUDIO OUT (VAR/FIX) L (MONO), R	This jack connects to the Audio input jacks on your audio equipment. You can listen to your TV's audio through your stereo system.		
6 Dynamic Bass Response System	The Dynamic Bass Response System (subwoofer) accentuates the low frequencies for better overall sound.		

Only the supplied Dynamic Bass Response System unit should be connected to the KV-27FA210 Sony TV inputs (SUBWOOFER +/-).

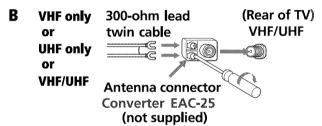
# **Basic Connections**

### TV with Cable, Indoor, or Outdoor Antenna

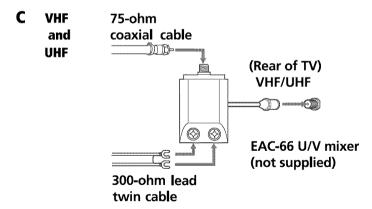
Depending on the cable system available in your home, choose one of the connections below:



Use this to connect the TV to a cable system or an antenna with a 75-ohm cable (usually built in to newer homes).



Use this to connect the TV to a dipole antenna, also known as a "rabbit ears antenna" (usually found in older homes).

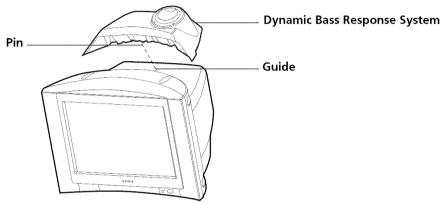


This allows you to connect your TV to both a cable system and a dipole antenna, in order to view both cable and local channels.

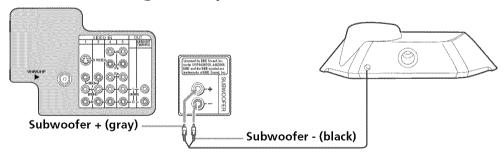
If you are connecting to an indoor or outdoor antenna, you may need to adjust the orientation of the antenna for the best reception.

# **Dynamic Bass System Connection (Subwoofer)**

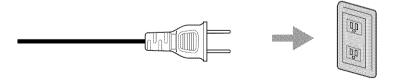
- Make sure to disconnect the TV before connecting the Dynamic Bass Response System.
- Only the supplied Dynamic Bass Response System unit should be connected to the KV-27FA210 Sony TV inputs (SUBWOOFER +/-).
- 1 Introduce the support pin of the Dynamic Bass Response System into the guide located on top of the TV.



**2** Connect the Dynamic Bass Response System cables to the indicated inputs of the TV rear panel. Connect the gray cable to the SUBWOOFER \*\*(gray input). Connect the black cable to the SUBWOOFER \*\*(Deltack input). See illustration below.



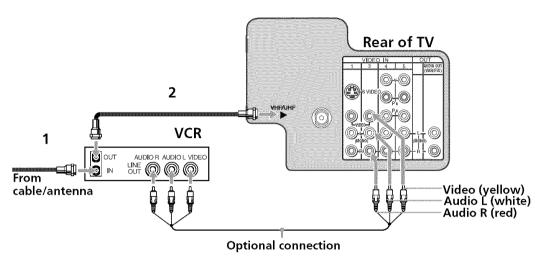
**3** Once installation is complete, plug the TV's AC power cord into the wall socket.



Do not plug in the AC power cord until the subwoofer is completely installed.

# **Connecting Additional Equipment**

## **Connecting a TV and VCR**



- 1 Connect the coaxial cable from your TV antenna or cable service to the IN jack on your VCR.
- **2** Connect a coaxial cable (not supplied) from the OUT jack on your VCR to the VHF/UHF jack on the TV.

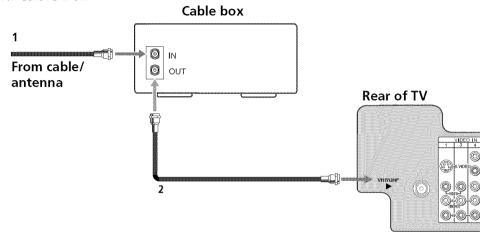
#### **Optional connection**

- ☐ If your VCR is equipped with video outputs, you can get better picture quality by connecting audio/video cables (not supplied) from AUDIO/VIDEO OUT on your VCR to AUDIO/VIDEO IN on your TV.
- ☐ For better picture quality, use S VIDEO instead of the yellow video cable. S VIDEO does not provide sound, so you still must connect the audio cables.

#### Using your TV with this connection

- ightharpoonup Program your Sony remote control to operate your VCR (see page 5).
- To activate your remote, press to operate your VCR. To do this, first program your remote control, then use the Channel Fix feature to set your TV to channel 3 or 4 (see page 29).
- Press repeatedly to switch between VCR input (VIDEO input) and VHF/UHF (local channels).

#### TV and Cable Box

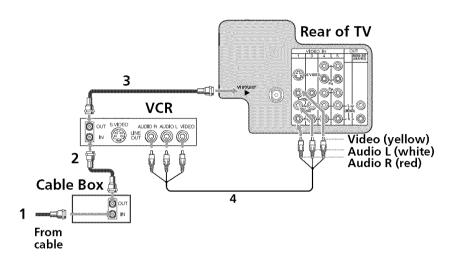


- 1 Connect the coaxial cable from your cable service to the IN jack on your cable box.
- **2** Connect a coaxial cable (not supplied) from the OUT jack on your cable box to the VHF/UHF jack on your TV.

#### Using your TV with this connection

- ☐ Program your Sony remote control to operate your cable box (see page 5).
- To activate your remote press to operate your cable box and then use the ①-⑨ buttons or CH+/- buttons to change the channels. To do this, first program your remote control, then use the Channel Fix feature to set your TV to channel 3 or 4 (see page 29).

#### TV, VCR, and Cable Box



- 1 Connect the coaxial cable from your cable service to the IN jack on your cable box.
- **2** Connect a coaxial cable (not supplied) from the OUT jack on your cable box to the IN jack on your VCR.
- Connect a coaxial cable (not supplied) from the OUT jack on your VCR to the VHF/UHF jack on the TV.
- **4** If your VCR is equipped with video outputs, you can get better picture quality by connecting audio/video cables (not supplied) from AUDIO/VIDEO OUT on your VCR to AUDIO/VIDEO IN on your TV.

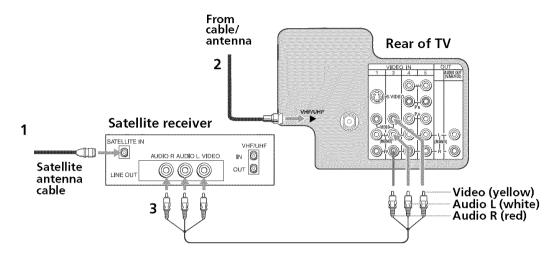
## **Optional connection**

☐ For better picture quality, use S VIDEO inserted of the yellow video cable. S VIDEO does not provide sound, so you still must connect the audio cables.

## Using your TV with this connection

- ☐ Program your Sony remote control to operate your VCR or cable box (see page 5).
- To activate your remote, press to operate your VCR or to operate your cable box. To do this, first program your remote control, then use the Channel Fix feature to set your TV to channel 3 or 4 (see page 29).
- Press repeatedly to switch between VCR input (VIDEO input), VHF/UHF (local channels or unscrambled), or cable box (cable system or scrambled channels).

## **Connecting a TV and Satellite Receiver**

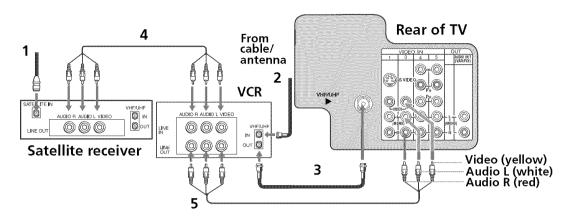


- **1** Connect the cable from your satellite antenna to SATELLITE IN on your satellite receiver.
- **2** Connect the coaxial cable from your cable service or antenna to the VHF/UHF jack on your TV.
- **3** Using audio/video cables (not supplied), connect AUDIO/VIDEO OUT on your satellite receiver to AUDIO/VIDEO IN on your TV.

#### Using your TV with this connection

- Program your Sony remote control to operate your satellite receiver (see page 5).
- To activate your remote, press to operate your satellite receiver. See page 7 on how to operate other functions.
- ☐ Press repeatedly to switch to satellite receiver input (VIDEO input).

## Connecting a TV, VCR, and Satellite Receiver



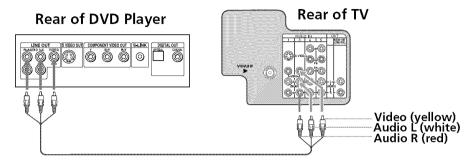
- 1 Connect the coaxial cable from your satellite antenna to SATELLITE IN on the satellite receiver.
- **2** Connect the coaxial cable from your cable service or antenna to the IN jack on your VCR.
- **3** Using a coaxial cable (not supplied), connect the OUT jack on your VCR to the VHF/UHF jack on your TV.
- **4** Using audio/video cables (not supplied), connect AUDIO/VIDEO OUT on your satellite receiver to AUDIO/VIDEO IN on your VCR.
- 5 Using audio/video cables (not supplied), connect AUDIO/VIDEO OUT on your VCR to AUDIO/VIDEO IN on your TV.
  - To view from the satellite receiver or VCR, select the video input to which your satellite receiver or VCR is connected by pressing on the remote control.

#### Using your TV with this connection

- Program your Sony remote control to operate your VCR or satellite receiver (see page 5).
- ☐ Turn on your VCR to enable your satellite receiver to work with this connection.
- To activate your remote, press to operate your VCR or to operate your satellite receiver.
- Press repeatedly to switch between VCR input (VIDEO input), VHF/UHF (local channels or unscrambled), or your cable box (cable system or scrambled channels).

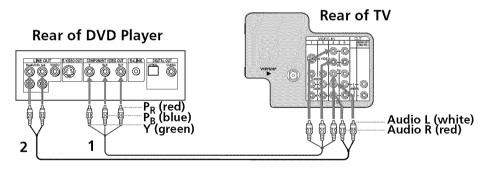
## **Connecting a DVD Player**

Using audio/video cables (not supplied), connect AUDIO/VIDEO OUT on your DVD player to AUDIO/VIDEO IN on your TV.



#### Optional connection

- For better picture quality, use S VIDEO instead of the yellow video cable. S VIDEO does not provide sound, so you still must connect the audio cables.
- □ If your DVD player is equipped with component video outputs (Y, PB, PR), you can improve the picture quality by using component video cables (480i only). This connection can be done on VIDEO 4 or 5 (both Y, PB, PR).



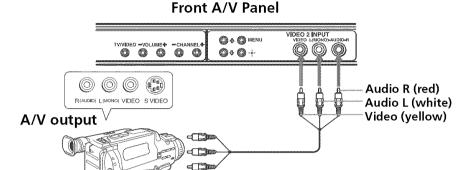
- 1 Using component video cables (not supplied), connect the Y, PB, PR OUT on your DVD player to Y, PB, PR IN on your TV.
- **2** Connect AUDIO OUT on your DVD player to AUDIO IN on your TV.
  - The Y, PB, PR outputs on your DVD player are sometimes labeled Y, CB, and CR or Y, B-Y, and R-Y. If so, connect the cables to like colors.

#### Using your TV with this connection

- ☐ Program your Sony remote control to operate your DVD (see page 5).
- ☐ To activate your remote, press operate your DVD.
- Press repeatedly to switch to the DVD player's input (VIDEO input).

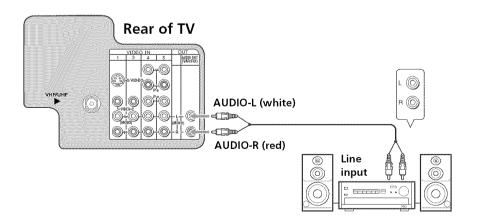
## **Connecting a Camcorder**

To connect your camcorder, you can use the Audio/Video inputs on either the front or rear panel of the TV. Using the audio/video cables (not supplied), connect the AUDIO/VIDEO OUT on your camcorder to the AUDIO/VIDEO IN on your TV.



## **Connecting an Audio System**

- 1 Using audio/video cables (not supplied), connect AUDIO OUT on your TV to one of the unused line inputs (e.g. TV, AUX, TAPE2) on your stereo.
- **2** Set the Speaker option to Off. For more instructions, see "Using the Audio Menu" on page 28.
- Open the Audio Out option on the Audio Menu and select Fixed to control the volume through the connected audio system. For more instructions, see "Using the Audio Menu" on page 28.
- For this connection you don't need to disconnect Dynamic Bass Response System.



# **Using Basic Functions**

# **Setting Up the TV**

After you have finished connecting your TV, you can use Auto Program to set up your channels. During Auto Program, the TV will automatically search for available channels and program receivable channels.

- When you start Auto Program wait until it is finished; otherwise it will skip over channels that are available. Perform Auto Program again to program receivable channels.
- **1** Press POWER to turn on the TV. The Initial Setup screen appears.



- Press on the remote control or on the TV front panel to start Auto Program, or press to exit.
- The Initial Setup screen appears each time you turn on the TV until you perform Auto Program.

#### To perform Auto Program again

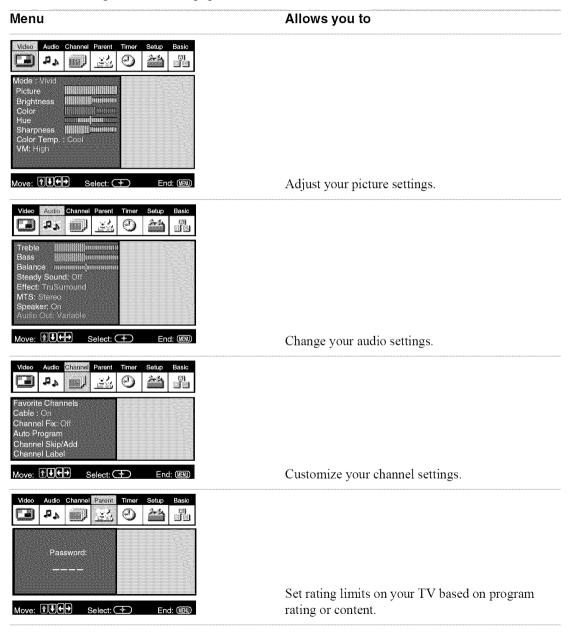
- 1 Press ENU.
- **2** Press ⇔ to highlight Channel Menu.
- **3** Press ♥ to highlight Cable. Press ☎ to select.
- **4** Press ☆ or ∜ to highlight On or Off according to how you connected your TV. Press ❖ to select.
- **5** Press ♥ to highlight Auto Program. Press ⊕ to search for channels.
- **6** After Auto Program finishes, press exit.

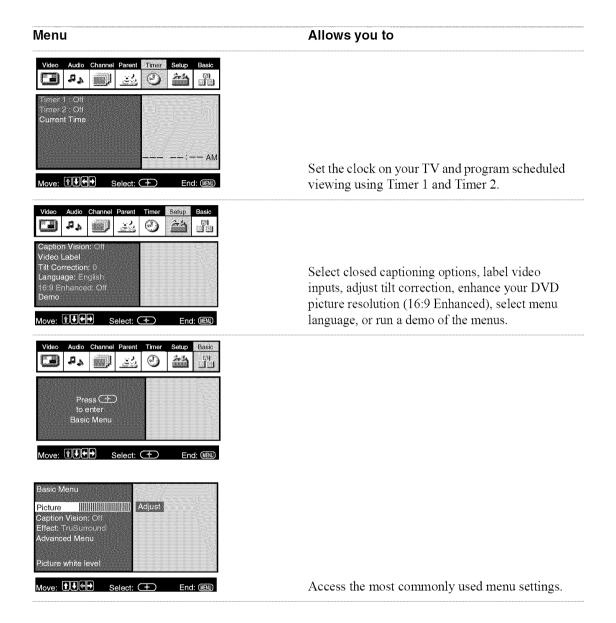
## To reset the TV to factory settings

- **1** Turn the TV on.
- **2** Hold down esset on the remote control.
- **3** Press and release the POWER button on the TV front panel. The TV will turn itself off, then back on.
- 4 Release RESET.

# **Quick Start to the Menus**

The following settings are available in your on-screen menus. For more details on how to use the menus, see "Using the Menus" on page 25.





# **Using the Menus**

This section shows the options available for setting up and adjusting the TV.

## **How to Access Menus**

#### To Access Menus

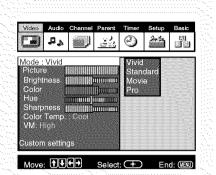
- 1 Press Enul to display the on-screen menu.
- **2** Use the � or ➡ buttons to highlight the desired menu icon. Press ⊕ to select it.
- **3** Use the 分 or ∜ buttons to scroll up and down through the features.
- **4** Follow the instructions on the screen.
- **5** For instructions on using a specific menu, see the page in this section that talks about that menu.
- **6** Press MENU to exit the menu.
  - Press once to display the on-screen menu, and press again to return to normal viewing. If no buttons are pressed, the menu closes automatically after about 90 seconds.

# Using the Video 還 Menu

To access the Video menu, use the following steps:



Press ♥ to highlight an option; then press ➡.



Mode

Use the ☆ or ♥ buttons to highlight one of the following options, then press ↔

Customized

to select it.

picture viewing **Vivid**:

Select for enhanced picture contrast and sharpness.

Standard: Select for a standard picture.

Movie: Select for a finely detailed picture.

Pro: Select for natural picture and sharpness.

Press MODE on the remote control for direct access to the picture modes (Vivid, Standard, Movie, Pro). **Picture** Press 

to decrease the contrast. Press 

to increase the contrast. **Brightness** Press ♦ to darken the picture. Press ♦ to brighten the picture. Color Press 

to decrease color saturation. Press 

to increase color saturation. Hue Press ♦ to increase the red tones. Press ♦ to increase the green tones. **Sharpness** Press ♦ to soften the picture. Press ♦ to sharpen the picture. Color Temp. Use the ☆ or ♥ buttons to highlight one of the following options, then press ⑤ White tint to select it. adjustment Cool: Gives white colors a blue tint. Neutral: Gives white colors a neutral tint. Gives white colors a red tint. Warm: VM Sharpens picture definition to give objects a crisp, clean edge. Use the ☆ or ♥ buttons to highlight one of the following options: **High, Low, Off,** then press Velocity Modulation to select it.

# Using the Audio Menu

To access the Audio menu, use the following steps:



Press  $\Phi$  to highlight an option; then press  $\Phi$ .



Treble	Press ⇔ to decrease the higher pitched sounds. Press ⇔ to increase the higher pitched sounds.			
Bass	Press ⇔ to decrease the lower pitched sounds. Press ⇔ to increase the lower pitched sounds.			
Balance	Press ⇔ to emph	asize the left speaker. Press ⇒ to emphasize the right speaker.		
Steady Sound	Use the 分 or ∜ to select it.	Use the 分 or ♥ buttons to highlight one of the following options, then press 🖜		
Stabilizes volume	On: Off:	Select to stabilize the volume when changing channels. Select to turn Steady Sound off.		
Effect	Use the ☆ or ∜ to select it.  Simulated: WOW:  TruSurround: Off:	Simulates theater quality sound for mono programs.  Provides a dramatic presence with a full, deep bass sound.  When WOW is enabled, BBE is activated to further enhance the audio performance.  Produces a dynamic three-dimensional sound for stereo audio signals.  Provides normal stereo or mono reception.		
🗷 Press 💍 t	o directly select Effo	ect settings (Simulated, WOW, TruSurround, Off).		
MTS Multi-Channel TV Sound	to select it.  Stereo: Sel Auto SAP: Sel Pro	buttons to highlight one of the following options, then press elect when viewing a broadcast in stereo.  Lect to have the TV automatically switch to a Second Audio ogram (SAP) when a signal is received.  Lect to reduce noise in areas of poor reception.		
Press on MTS/SAP	and the second of the second of the second	MTS settings (Stereo, Auto SAP, Mono)		
		me programs may be muted or distorted. If your TV does not output setting to Stereo or Mono.		

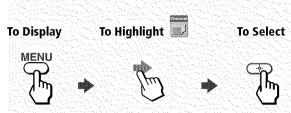
(continued)

# **Operating Instructions**

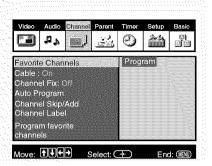
Speaker Custom	Use the 分 or to select it.	₩ buttons to highlight one of the following options, then press
selection of audio output	On:	Select to listen to the sound from the TV speakers with or without a separate stereo system.
source	Off:	Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers.
Audio Out Use to control	Use the 分 or to select it.	buttons to highlight one of the following options, then press
the TV's volume	Variable:	Adjust the volume through your TV.
through a stereo	Fixed:	Adjust the volume through a connected stereo.

# **Using the Channel** Menu

To access the Channel menu, use the following steps:



Press ♥ to highlight an option; then press .



### **Favorite** Channels

Ouick access to favorite channels

- Use the  $\triangle$  or  $\triangledown$  buttons to highlight the position (1-8) where you want to set a favorite channel, then press .
- Use the 分 or ♥ buttons to find the channel you want to add to your favorite 2 channels.
- 3 Press to select the channel. The TV will automatically change to the selected channel.
- Press \$\phi\$ to return to the Channel menu or press \(\bigcircledge{\text{MENU}}\) to exit.

മ To use Favorite Channels, exit all menus and press ④ Press む or ゼ to move the cursor to the desired channel number and press .

Cable

Use the  $\triangle$  or  $\nabla$  buttons to highlight one of the following options, then press  $\bigcirc$  to select it.

On: Select if you are receiving cable channels with a CATV cable.

Off: Select if you are using a TV antenna.

🔼 After changing your cable settings, you will need to perform Auto Program. See "To perform Auto Program again" on page 21.

#### Channel Fix

Use the 分 or ♥ buttons to highlight one of the following options, then press ⊕ to select it.

Off: Channel Fix is not set.

2-6: Select when you want to control all channel selection through a cable

box or VCR. Select the appropriate channel (usually 3 or 4) and use the cable box's or VCR's remote control for channel selection.

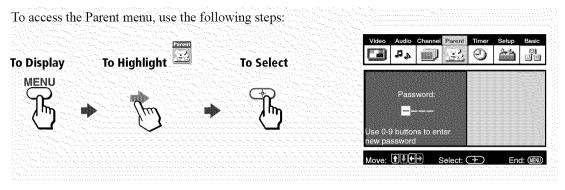
Video 1: Select from available video inputs when you have connected video

equipment (e.g., a satellite receiver) and you want your TV fixed to it.

You cannot use Favorite Channels, Cable, Channel Skip/Add, or Channel Label when Channel Fix is set.

Auto Program	Perform Auto Program whenever setting up your TV. Auto Program will search for available channels and program receivable channels.		
Channel Skip/Add	Use this feature after you run Auto Program to skip unwanted channels or add new ones.		
	1 Use the 分 or ♥ buttons to highlight the position of the desired channel, then press ⊕.		
	2 Use the 分 or ∜ buttons to highlight <b>Skip</b> or <b>Add</b> , then press .		
	3 Press ⇔ to return to the Channel menu or press ← to exit.		
to directly to  Channel  Label  Label up to 40  channels with their call letters	1 Press ⊕, then use the ☆ or ♡ buttons until you reach the desired channel number.		
	number.  2 Press (*) to activate the channel.		
	Press to activate the channel.		
	3 Press ♂ to highlight <b>Label</b> , then press ⊕. Use the � or ♡ buttons to display the first call letter or number of the label. Press ⊕ to select. Repeat this process until you finish selecting all the call letters.		
	4 When finished, press 🔹 to activate.		
	5 Press ♦ to return to the Channel menu or press ♠ to exit.		

# Using the Parent Menu



The Parental Control feature helps parents monitor what their children watch on television.

#### To use the Parent Menu

When you select the Parent menu, you are prompted to set a 4-digit password. You cannot access the Parent menu settings without this password.

- **1** Use the **0**-**9** buttons to enter a 4-digit password.
- **2** Confirm your password by entering it again.

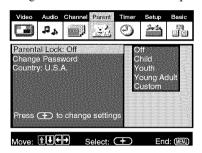
Keep this manual in a safe place. You need your password for any future access to the Parent menu.

If you forget your password, see page 41.

### **Parental Control**

#### **Setting the Rating**

You can change the Rating by selecting one of the Parental Lock options.



**1** Press ♥ to highlight **Parental Lock**; then press .

If you are not familiar with Parental Guideline rating system, use one of the following preset categories to simplify the rating selection: Child, Youth, Young Adult.

**2** Use the  $\triangle$  or  $\nabla$  to highlight the desired rating and press  $\bigcirc$ .

Rating	TV will allow a maximum rating of
Off	No rating limit
Child	TV-Y, TV-G, G (U.S.), G, C (Canada)
Youth	TV-PG, PG (U.S.), 8 ans + (Canada)
Young Adult	TV-14, PG-13 (U.S.), 14+ (Canada)
Custom	Select to set more restrictive ratings (see next section)

### **Changing your Password**

- **1** Use the 分 or ♡ buttons to highlight **Change Password** and press ♠.
- **2** Follow steps 1 and 2 for "Using the Parent Menu" on page 31.

#### **Select a Country**

Select U.S.A. to use US ratings (see pages 34-35) or select Canada to use Canadian ratings (see page 36). If you select a Country (U.S.A. or Canada) that is not where you live, the rating you select will not be activated.

- **1** Press ♥ to highlight **Country**, then press **③**.
- **2** Use the 分 or ∜ to highlight the desired country and press ...

#### **Information for Parents**

To view a program that exceeds the TV rating

☐ Press O, then use the O-9 buttons to enter your password.

Entering your password to view a blocked program will temporarily turn **Parental Lock** to Off. To reactivate your Lock settings, turn the TV off then back on; the TV will return to the settings that you have selected

#### **Using the Custom Menu**

Follow the instructions on the screen to make your custom settings. Select the country desired for your TV's rating limit. See page 34 for U.S. models and page 36 for Canadian models for more information.

Once you have blocked a rating or content, all higher ratings or content will be automatically blocked.

### **United States: Selecting Custom Rating Options**

For the United States, the Custom Rating menu includes the following options: Movie Rating, TV Rating and Unrated. (For Canada, see page 36.)

#### **Movie Rating**

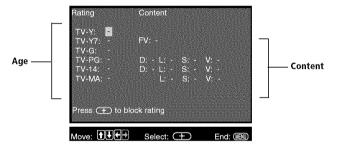
This system defines the rating levels of movies shown in theaters and on prime cable channels.

Rating	Defined as
G	General audience
PG	Parental guidance suggested
PG-13	Parents strongly cautioned
R	Restricted
NC-17	No one 17 and under admitted
X	Adult audience only



#### **TV Rating**

The TV rating is divided into two groups: age-based and content-based.



Age	Defined as
TV-Y	All children
TV-Y7	Directed to older children
TV-G	General audience
TV-PG	Parental guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature audience only

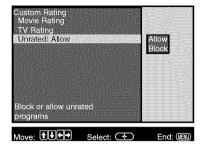
Content	Defined as
FV	Fantasy violence
<b>D</b>	Suggestive dialogue
	Strong language
<b>S</b>	Sexual situations
V	Violence

The content ratings will increase depending on the level of the age-based rating. For example, a program with a TV-PG V (Violence) rating may contain moderate violence, while a TV-14 V (Violence) rating may contain intense violence.

#### Unrated

You have the option of blocking TV programs or movies that are not rated.

Allow	Allows all unrated programs
Block	Blocks all unrated programs



If you choose to block unrated TV programs, please be aware that the following programs may be blocked: emergency broadcasts, political programs, pro, news, public service announcements, religious programs, and weather.

### **Canada: Selecting Custom Rating Options**

For Canada, the Custom Rating menu includes the following options: English Rating, French Rating, and U.S.A. Rating.

### **English Rating**

These ratings are for Canadian programs that are broadcast in English.

Rating	Defined as
С	Children
C8+	Children 8 years and older
G	General programming
PG	Parental guidance
14+	Viewers 14 and older
18+	Adult programming



#### **French Rating**

These ratings are for Canadian programs that are broadcast in French.

Rating Defined as	
G	General
8 ans+	Not recommended for younger children
13 ans+	Not recommended for children under age 13
16 ans+	Not recommended for ages under 16
18 ans+	This program is restricted to adults



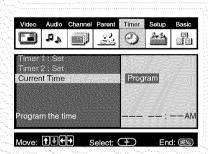
#### **U.S.A. Rating**

For programs from the United States, see "TV Rating" on page 34.

# Using the Timer Menu

To access the Timer menu, use the following steps:





#### **Current Time**

Set your TV to the current day and time. Press to open the Current Time menu:

- 1 Use the  $\triangle$  or  $\nabla$  buttons to enter the correct day and time, then press  $\bigcirc$ .
- 2 Press on to exit the menu.

You must set the Current Time before you can use Timer 1 or Timer 2.

# Timer 1 and Timer 2

Scheduled viewing

Use the timers to program your TV to turn on and off by day, time, duration, and channel. The timer duration is a maximum of six hours. When the channel is fixed, it is not necessary to set the channel.

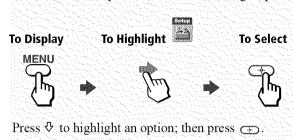
- 1 Use the 分 or ♥ buttons to highlight **Timer 1** or **Timer 2**, then press .
- 2 Use the � or ♥ buttons to enter the desired day, start time, duration, and channel, then press ♠. The timer status should be On when the Timer has been set, and the timer light on the front panel of the TV should be on.
- 3 Press on to exit the menu.

Select Off to turn off the Timer. Your previous settings will be saved.

When you perform Auto Program, Timer 1 and Timer 2 settings will be cleared. Also, in the event of any loss of power, Current Time, Timer 1, and Timer 2 settings will be cleared.

# Using the Setup 🚟 Menu

To access the Setup menu, use the following steps:





#### Caption Vision

Allows you to select from three closed caption modes for programs that are broadcast with closed captioning.

Closed-Captioning Use the  $\Phi$  or  $\Phi$  buttons to highlight one of the following options, then press  $\bigoplus$  to select it.

**Off:** Caption Vision is not activated.

**CC1, 2, 3, 4:** Displays printed dialogue and sound effects of a program.

**Text1, 2, 3, 4:** Displays network/station information.

**Info:** Displays the name of the current program and its remaining time

(if available) when you change the channel or press the DISPLAY

button

# Video Label Label

Label connected equipment Allows you to identify the video components connected to the TV: VCR, DVD, etc. When you press TV/VIDEO to switch inputs, the Video Label appears on-screen.

- 1 Press the 分 or ♡ buttons to highlight the input you want to label and press ...
- 2 Press the 分 or ♂ buttons to highlight a label and press →.
- 3 Press 

  to return to the Setup menu or press 

  menu or p

If you select **Skip**, your TV skips this connection when you press the TV/VIDEO button.

#### Tilt Correction

Use the  $\triangle$  or  $\nabla$  buttons to set the tilt of the picture from -5 to +5, then press  $\bigcirc$  to activate.

#### Language

Display all menus in the language of your choice.

Use the 分 or ♂ buttons to select from one of the following options: **English**,

**Español** (Spanish) and **Français** (French). Then press .

#### 16:9 Enhanced

Provides enhanced picture resolution for wide-screen sources such as DVD. This is only available when the TV is in Video mode.

#### Demo

Press to run a demonstration of the on-screen menus.

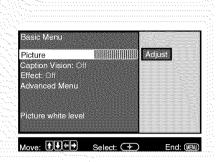
You can press any button to exit Demo mode.

# Using the Basic Menu

To access the Basic menu, use the following steps:



Press  $\nabla$  to highlight an option; then press  $\longrightarrow$ .



**Picture** Press \$\rightarrow\$ to decrease picture contrast. Press ⇒ to increase picture contrast. Picture contrast

**Caption Vision** The Basic menu displays the current Caption Vision setting. By default, this is Off. Closed-Captioning

Effect

Use the ☆ or ♥ buttons to highlight one of the following options, then press to

select it.

Simulated: Simulates theater quality sound for mono programs.

WOW: Provides a dramatic presence with a full, deep bass sound. When

WOW is enabled, BBE is activated to further enhance the audio

performance.

TruSurround: Produces a dynamic three-dimensional sound for stereo audio

signals.

Off: Provides normal stereo or mono reception.

Advanced Menu

Press to return to the advanced menus.

If you use the button to close the Basic menu, only the Basic menu appears when you press MENU again. To access the other menus, press ♥ to highlight Advanced Menu, then press 🖘

# **Other Information**

## **Troubleshooting**

If you have a problem with your TV, try the suggestions below. If the problem persists, see "Contacting Sony" at the end of this section.

#### General

Problem		Possible Remedies			
I want to reset the TV to the factory settings		Turn on the TV. While holding down the RESET button on the remote control, press POWER button on the TV front panel. The TV will turn itself off, then back on again. Release the RESET button.			
I cannot access other menus when I am in the Basic menu		If you use the MENU to close the Basic menu, only the Basic menu appears when you press MENU again. To access the other menus, select the advanced menu option (page 39).			
The TV is dirty		Clean the TV with a soft dry cloth. Never use strong solvents such as thinner or benzine, which might damage the finish of the cabinet.			
I lost the parental control password		In the password screen, enter the following master password: 4357. After using the master password, you must create a new password. You cannot use the master to unlock currently blocked channels.			
There is a black box on the screen					
There was a blackout or power outage, and now the TV won't turn on and the timer LED is flashing		Press the POWER button on your remote control or on the TV front panel.			

#### **Remote Control**

Problem I cannot operate the remote control		Possible Remedies		
		Press TV (FUNCTION) when operating your TV. Check the orientation of the batteries. Batteries could be weak. Replace them (page 2). Move the TV three to four feet away from fluorescent lights.		
I cannot change channels with the remote control		Make sure you have not inadvertently switched your TV from the channel 3 or 4 setting if you are using another device to change channels.  If you are using another device to control channels, be sure that you have pressed the FUNCTION button for that device. For example, if you are using your VCR to control channels, be sure to press the VCR/DVD FUNCTION button (page 3).		
I lost the remote control		You can use the front panel controls to access your menus, change channels, adjust the volume, or change video inputs (page 2). Contact your nearest Sony Dealer to order a replacement, please call our Sony Direct Accessory and Part Center at 1-800-488-7669 (U.S. residents only).		

### **Programming The Remote Control**

Problem	Possible Remedies		
More than one code is listed		y entering them one by one until you come to the correct code r your component.	
I entered the wrong code number		you enter a new code number, the code number you eviously entered at that setting is erased.	
I cannot operate a component with the remote control	□ Us	se the component's own remote control.	
When I changed the batteries, the code numbers changed back to the factory settings	□ Yo	ou must reprogram the remote control (page 5).	

### Video

Problem	Possible Remedies			
No picture, no sound	0	Make sure the power cord is plugged in. If a red light is flashing on the front of your TV for more than a few minutes, disconnect and reconnect the power cord. If the problem continues, call your local service center.		
		Check the TV/VIDEO setting: when watching TV, set it to TV; when watching video equipment, set it to VIDEO 1, 2, 3, 4 or 5 (page 3).		
		Make sure you have inserted the batteries correctly into the remote control (page 2).		
······································	<b>L</b>	Try another channel to rule out station trouble.		
Poor or no picture, good sound	000	Adjust the <b>Picture</b> setting in the Video menu (page 26). Adjust the <b>Brightness</b> setting in the Video menu (page 26). Check the antenna and/or cable connections (page 11).		
No color		Adjust the <b>Color</b> setting in the Video menu (page 26).		
Only snow appears on the screen	0	Check the <b>Cable</b> setting in the Channel menu (page 29). Check the antenna and/or cable connections (page 11). Make sure the channel selected is currently broadcasting.		
Dotted lines or stripes		Adjust the antenna.  Move the TV away from other electronic equipment. Some electronic equipment creates electrical noise, which can interfere with TV reception.		
Double images or ghosts		Check your outdoor antenna or call your cable service.		

### Audio

Problem	Possible Remedies		
Good picture, no	☐ Press on that Muting disappears from the screen (page 3)	•	
sound	☐ Check your Audio settings. Your TV may be set to Auto SAP	in	
	the MTS feature (page 27).		
	☐ Make sure the speaker option is set to On in the Audio Menu		
	☐ Press ⊖ to adjust your TV's volume.		

### **Dynamic Bass Response System (Subwoofer)**

Problem	Possible Remedies		
No sound		Check the SUBWOOFER +/- inputs on the rear panel of the TV to make sure the cables are connected correctly (see page 12).	

#### **Channels**

Problem I cannot receive higher number channels (UHF) when using an antenna		Possible Remedies			
		Make sure <b>Cable</b> is set to Off in the Channel menu (page 29). Perform Auto Program to add channels that are not presently in the memory (page 21).			
Cable stations don't seem to work	0	Make sure <b>Cable</b> is set to On in the Channel menu (page 29). Perform Auto Program to add channels that are not presently in the memory (page 21).			
I cannot get anything but TV		Be sure that you did not set the video in the Setup menu (page 38) to skip your video inputs. If a video input has been set to <b>Skip</b> , it will be skipped when you press the TV/VIDEO button.			

#### **Contacting Sony**

Before calling our Customer Information Services Center, reset the TV to factory settings (see page 21). Please have your TV serial number ready. The number is located on the rear of your TV and on the front cover of this manual.

Our Customer Information Services Center phone number is 1-800-222-SONY (7669) (US residents only) or (416) 499-SONY (7669) (Canadian residents only).

# **Specifications**

Television system	American TV standard/NTSC			
Channel coverage	VHF: 2-13/UHF: 14-69/CATV: 1-125			
Antenna	75-ohm external antenna terminal for VHF/UHF			
Picture tube	FD Trinitron® tube			
Power requirements	120V, 60 Hz			
Supplied accessories	Size AA (R6) batteries (2) Remote Control RM-Y180 (1)			
Inputs/outputs	Inputs 1 video, 1 audio (front) Outputs 1 AUDIO O 2 video, 2 audio (rear) 1 Dynamic I 1 S VIDEO System (St 1 RF 2 Y, PB, PR, 2 audio	Bass Response		
Optional accessories	Connecting cables VMC-810S/820S, VMC-720M, YC-YC-15V/30V, RK74A EAC-66U/V mixer TV Stand: SU-27F1			
KV-27FA210				
Screen size	Visible screen size: 679 mm (27 inches) measured diagonally Actual screen size: 736.6 mm (29 inches) measured diagonally			
Speaker output	10 W x 2			
Dynamic Bass Response System	20 W			
Power consumption	195 W in use 1 W in standby			
TV Dimensions with the Dynamic Bass Response System installed (W/H/D)	$784 \times 633.7 \times 520 \text{ mm} (30^{7}/8 \times 24^{7}/8 \times 20^{1}/2 \text{ inches})$			
Mass	52.8 kg (116.2 lbs)			

Design and specifications are subject to change without notice.

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