### SONY.

# Trinitron<sup>®</sup> Color TV

**Operating Instructions** 

KV-20FV10 KV-24FV10

© 1999 by Sony Corporation

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### 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.

#### 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.

For more safety information, see the "IMPORTANT SAFEGUARDS" leaflet packed with your TV.

#### 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.
- **Q** 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.**

#### **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 instruction manual.

#### **Trademarks and Copyrights**

ENERGY STAR<sup>®</sup> is a registered mark.

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

#### ( )\* SRS (SOUND RETRIEVAL)

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 foreing patents pending.

The word 'SRS' and the SRS symbol () are registered trademark of SRS Labs, Inc.

Licensed by BBE Sound, Inc. under USP 4638258.4482866. BBE and BBE symbol are trademarks of BBE Sound, Inc.

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# Introduction

Congratulations on your purchase of the Sony Trinitron<sup>®</sup> Color TV. Before you begin using this manual, please check the model number located on the front cover of this instruction manual.

The menu and illustrations used in these instructions are for KV-24FV10 to show the maximum number of features available. Differences in operation or features will be indicated in the text, for example, "KV-24FV10 only."

### **Trinitron® Color TV Features**

Depending on your TV, some of the features you will enjoy include:

- □ **Flat CRT** For optimal picture quality.
- □ **PARENTAL CONTROL** A tool for parents to help monitor what their children watch on TV by establishing rating limits.
- □ **FAVORITE CHANNEL** Instant access to your favorite channels with the touch of a button.
- Universal Remote Control Program your remote control to operate your connected cable box, VCR, digital satellite receiver or DVD player.
- **Trilingual Menus** Choose English, French or Spanish menus.
- **Energy Star** A recognized symbol of energy efficiency.
- **S VIDEO** A video input that offers enhanced picture quality.
- Direct MTS Allows direct access to changing your Multi-Channel TV Sound: STEREO, SAP (Second Audio Program), or MONO, with the touch of a button.
- □ **Front Panel Controls** Allows for access to the on-screen menus without the use of a remote control.
- Front A/V inputs A quick connection for video games, camcorders or stereo equipment.



### **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 of the remote control does not operate property, the batteries might be worm out.

Remove the batteries to avoid possible damage from battery leakage if you will not be using the remote control for an extended period of time.

Your remote control can be programmed to operate most video equipment, (see page 29).

### **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 you're connected, follow the instructions to learn how to use the remote control to access the on-screen menus.

# **Connecting Your TV**

Read this chapter before setting up your TV for the first time. This section covers basic connections in addition to any optional equipment you may be connecting.

### **Basic Connections**

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#### TV with indoor or outdoor antenna, or CATV cable

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



### **Connecting Additional Equipment**

**TV and VCR** 



- 1 Connect the coaxial cable from your TV antenna or cable TV 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 IN jack on the TV.



#### (Optional connection)

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#### **TV and Cable Box**



- 1 Connect the coaxial cable from the wall 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 IN jack on the TV.
  - To view channels from your cable box, tune your TV to channel 3 or 4 (as set on the rear panel of your cable box).
  - If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature on page 20.



- 1 Connect the coaxial cable from the wall 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.
- **3** Connect a coaxial cable (not supplied) from the OUT jack on your VCR to the VHF/UHF IN jack on the TV.
  - If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature on page 20.

#### (Optional connection)

Cable

Θ

- 4 If your VCR is equipped with video inputs, for better picture quality you should connect A/V cables from AUDIO and VIDEO OUT on your VCR to AUDIO/VIDEO IN on your TV. You can use the <sup>™</sup>/<sup>™</sup>/<sub>©</sub><sup>EO</sup> button to switch between the TV and VCR inputs.
  - For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO does not provide sound, the audio cables must still be connected.

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#### **TV and Digital Satellite Receiver**



- **1** Connect the cable from your satellite antenna to SATELLITE IN on the satellite 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 satellite receiver to AUDIO and VIDEO IN on your TV.

You can use the button to switch between the satellite receiver and TV.

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



#### **Connecting a Camcorder**

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



### **Connecting a DVD Player**

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



Using audio connectors, connect AUDIO OUT on your TV to one of the unused line inputs (e.g. TV, AUX, TAPE 2) on your stereo.



Set your stereo to the chosen line input. See page 16 for additional audio setup instructions.

# Using the Remote Control and Basic Functions

This section shows you how to use more advanced buttons on the remote control and how to use the on-screen menus.

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VOL CH	PI
	รเ
SONY TV	M
	D

Button	Description
POWER	Press when you want to turn connected equipment on and off.
FUNCTION	Press when you want to control connected equipment with your remote control.
MUTING	Instantly turns off the sound. Press again or press $\stackrel{\text{VOL}}{\bigoplus}$ to restore sound.
SYSTEM OFF	Powers off all Sony equipment at once.
TV/VIDEO	Cycles through available video inputs.
	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.
PICTURE MODE	Cycles through the available VIDEO MODE settings.
SLEEP	Turns the TV off automatically in approximately 30, 60 or 90 minutes. Cancel by pressing until SLEEP OFF appears.
MTS/SAP	Cycles through the Multi- channel TV Sound (MTS) options: STEREO, SAP (Second Audio Programming), MONO.
DISPLAY	Press once to show current time, (if set) and channel number. Press again to activate CAPTION VISION settings, if available. To cancel, press again until DISPLAY OFF appears.

	Cycles through available AUTO VOLUME settings (see page 16).
JUMP	Alternates back and forth between the last two channels selected with the ①-⑨ buttons.
GUIDE	Brings up the custom guide of your satellite receiver.
MENU	Displays the on-screen menu. Press again to exit the menu at any time.
RESET	Press to return to factory settings while in the on-screen menu.
CODE SET	Use to program your remote control to operate connected video equipment, (see page 29).

.



### **Setting Up the TV Automatically**

After you have finished connecting your TV, you will want to run AUTO PROGRAM to set up your channels.

**1** Press **O** to turn on the TV, the initial setup screen appears.



**2** Press  $\stackrel{\text{\tiny CM}}{\oplus}$  to AUTO PROGRAM or  $\stackrel{\text{\tiny CM}}{\ominus}$  to exit.



The following settings are available in your on-screen menus:

Menu

	Make adjustments to your picture settings.
AUDIO TREBLE BASS BALANCE OAUTO VOLUME: OFF SPEAKER: ON AUDIO OUT: VARIABLE OPTIONS DMENU Move C Select Exit C Change your audio settings.	OPTIONS MTS: STEREO EFFECT: OFF DMENU Move DE Select Exite The OPTIONS menu offers
TIMER DAYLIGHT SAVING:YES CURRENT TIME SET ON/OFF TIMER OM/OFF TIMER OM/OFF TIMER OM/OFF TIMER	Set the clock on your TV, (CURRENT TIME SET) and program scheduled viewing using the ON/OFF TIMER.
Image: SET UP         CHANNEL SET UP         PARENTAL CONTROL         VIDEO LABEL         O         CAPTION VISION: CC1         LANGUAGE: ENGLISH         TILT CORRECTION: 0         DEMO         JMENU         Move BE         Select ⊕         Exit ●	CHANNEL SET UP ►FAVORITE CHANNEL CABLE: OFF CHANNEL FIX: OFF AUTO PROGRAM CHANNEL SKIP/ADD CHANNEL SKIP/ADD CHANNEL CAPTION DMENU Move DE Select  Exit The CHANNEL SET UP
i iogranii your channels.	provides further options for setting up your channels.

Menus showns are for KV-24FV10, your menus may not look exactly like those illustrated.

# **Using the Menus**

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

### To access a menu

- **1** Press  $\bigcirc^{\text{MENU}}$ .
- **2** Use the  $\diamond$  or  $\diamond$  buttons to highlight an option.
- **3** Press  $\bigoplus$  to access the menu.

### Using the VIDEO III menu

	VIDEO MODE: PICTU BRIGH COLOI HUE SHARF CMEN	RE ITNESS R PNESS	INSUMBRAUTION MURAURAD MANANA MURAURAD MANANANA MURAURAD MARANANANA MURAURAD MARANANANA MURAURAD MURAURANANANANA
Move	<b>HAR</b> S	iolont (-	Exite

<b>MODE:</b> Custom picture settings	<ul> <li>VIVID: Select for enhanced picture and contrast.</li> <li>standard: Standard: Select for a standard picture.</li> <li>MOVIE: Select for a darker picture for movie viewing</li> </ul>	
ltem	Press ⊕ to	Press ☆ to
PICTURE	Decrease picture contrast	Increase picture contrast
BRIGHTNESS	Darken the picture	Brighten the picture
COLOR	Decrease color intensity	Increase color saturation
HUE	Increase the red tones	Increase the green tones
SHARPNESS	Soften the picture	Sharpen the picture



### Using the AUDIO ightarrow menu



TREBLE	Adjust left or right to adjust higher pitched sound.
BASS	Adjust left or right to adjust low pitched sound.
BALANCE	Adjust left or right to emphasize speaker balance.
AUTO VOLUME Stabilizes volume	<b>ON:</b> Select to stabilize the volume when changing channels. <b>OFF:</b> Select to turn AUTO VOLUME off.
<b>SPEAKER</b> Custom selection of audio output source	<ul> <li>ON: Select to listen to the sound from the TV speakers with or without a separate stereo system.</li> <li>OFF: Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers.</li> </ul>
AUDIO OUT	AUDIO OUT can only be set when SPEAKER is set to OFF. VARIABLE: Adjust the volume through your TV. FIXED: Adjust the TV volume through a connected stereo.

Press of for a direct selection of AUTO VOLUME settings.

### **OPTIONS menu**

	OPTIONS ►MTS: STEREO EFFECT: OFF ƏMENU
	Move De Select - Exit @
<b>MTS</b> Multi-Channel TV Sound	<ul> <li>STEREO: Select when viewing a broadcast in stereo.</li> <li>SAP: Listen to bilingual broadcast or other Second Audio Programs (SAP).</li> <li>MONO: Select to reduce noise in areas of poor reception.</li> </ul>
<b>EFFECT</b> Custom audio settings	<b>SRS:</b> Produces a dynamic three dimensional sound for stereo audio signals, (KV-24FV10 only). <b>SURROUND:</b> Simulates theater quality sound for stereo

programs, (KV-20FV10 only). SIMULATED: Adds a surround-like effect to mono programs.

Let f your TV is set to SAP, all non-SAP programs will be muted. If your TV does not have sound, check your AUDIO settings.

For direct MTS settings, press the MTS/SAP button on your remote control.

### Using the SET UP 🖮 menu

		JP NNEL SET L	jp
	PAF	ENTAL CON	
စ	CAF	TION VISION	
يقياً ا		CORRECTIO	
Mov	NC e⊎€e	ENU Select ①	Exit 📼

PARENTAL	The PARENTAL CONTROL feature provides parents several
CONTROL	options for programming the TV to block shows based on
	their rating, (see page 22).
VIDEO LABEL	With the VIDEO LABEL window open:
Label connected equipment	1 Press ↔ or ↔ to access the input you want to label and press ⊕.
	<b>2</b> Press $rac{1}{2}$ or $rac{1}{2}$ to choose a label and press $rac{1}{2}$ .
CAPTION	CC1, 2, 3, 4: Displays printed dialogue of a program.
VISION	TEXT1, 2, 3, 4: Displays network/station information.
Closed-	<b>XDS</b> (Extended Data Services): Displays information about
Captioning	the network and current program, if available.
D Press the	button to activate your CAPTION VISION setting.
	Display all menus in your language of choice.
ora and erabilitation ended et GART	ing in a second many second dealers in the second second second second dealers in the second s
en e	Display all menus in your language of choice.
en e	<ul> <li>Display all menus in your language of choice.</li> <li>1 Point cursor at LANGUAGE and press ⊕.</li> <li>2 Using the &amp; or \$ buttons, highlight desired language and press ⊕.</li> </ul>
LANGUAGE	<ul> <li>Display all menus in your language of choice.</li> <li>1 Point cursor at LANGUAGE and press ⊕.</li> <li>2 Using the ↔ or ↔ buttons, highlight desired language and</li> </ul>

.



#### **CHANNEL SET UP menu**

	CHANNEL SET UP ►FAVORITE CHANNEL CABLE: OFF CHANNEL FIX: OFF AUTO PROGRAM CHANNEL SKIP/ADD CHANNEL CAPTION JMENU Move III Select Exit III
FAVORITE	With the FAVORITE CHANNEL menu open:
CHANNEL	1 Use the ☆ or ♂ buttons to select AUTO or MANUAL,
Quick access	(selecting AUTO will display the last five channels
to favorite	accessed by the <b>0</b> - <b>9</b> buttons).
channels	<b>2</b> Select the position (1-5) where you want to program a channel.
	<ul> <li>3 Using the ↔ or ↔ buttons, select the desired channel.</li> <li>4 Press ⊕, the TV will change to the channel entered.</li> </ul>
	FAVORITE CHANNEL: Exit all menus and press $\oplus$ . Press $\oplus$ or $\oplus$ to be cursor to the desired channel number and press $\oplus$ .
CABLE	<b>ON:</b> Select if you are receiving cable channels with a CATV cable. <b>OFF:</b> Select if you are using an antenna.
🖉 After ch	anging your CABLE settings, you will need to run AUTO PROGRAM.
	anging your CABLE settings, you will need to run AUTO PROGRAM.
CHANNEL FI	<ul> <li>anging your CABLE settings, you will need to run AUTO PROGRAM.</li> <li>2-6: Select when you want to control all channel selection through a cable box.</li> <li>VIDEO: Select from available video inputs when you have connected video equipment (e.g. satellite receiver) and you</li> </ul>
CHANNEL FI	<ul> <li>anging your CABLE settings, you will need to run AUTO PROGRAM.</li> <li>2-6: Select when you want to control all channel selection through a cable box.</li> <li>VIDEO: Select from available video inputs when you have connected video equipment (e.g. satellite receiver) and you want your TV fixed to it.</li> </ul>



CHANNEL	With the CHANNEL CAPTION window open:
CAPTION	1 Press ⊕, then press ↔ or ↔ until you reach the desired
Label up to 12	channel number.
channels with	2 Press 🕀 to activate the channel.
their call letters	3 Press ↔ or ᠅ to display the first call letter or number of
	the caption and press $\oplus$ to select it. When finished,
	press $\oplus$ to activate.



The PARENTAL CONTROL feature is designed to help parents monitor what their children watch on television. This section shows you the different rating systems available and shows you how to set your TV's rating.

#### **Overview of the Ratings**

Once you have become familiar with these rating systems, you should be ready to set your TV's rating.

#### **TV RATINGS**

The TV ratings are divided into two groups: age-based and content-based.



Age	Defined as	Contents	Defined as
Τ٧-Υ	All children	FV	Fantasy Violence
Τν-Υ7	Directed to older children	D	Suggestive
TV-G	General audience		dialogue
TV-PG	Parental Guidance	L	Strong language
	suggested	S	Sexual situations
TV-14	Parents Strongly	v	Violence
	cautioned	م	**************************************
TV-MA	Mature Audience only		

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.



#### **MOVIE RATINGS**

#### (U.S. models only)

This system defines the rating levels of movies shown on the big screen and those 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	No one 17 and under admitted

MOVIE RATINGS	
▶G: _	
PG:	
PG-13: _	
NC-17:	
X: _	
DMENU	
Select rating	
Move . Select . Select	Exit 📟

#### UNRATED

#### (U.S. models only)

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

VIEW ALL	View all unrated programs	CUSTOM RATINGS
BLOCK TV	Block all unrated TV programs	TV RATINGS
BLOCK MOVIE	Block all unrated movies	MOVIE RATINGS • UNRATED: VIEW ALL • OMENU
BLOCK	Block all unrated	Select category
BOTH	programming	Move DE Select - Exit @

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

**ENGLISH RATINGS** 

#### (Canadian models only)

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

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

ENGLISH	RATINGS	
►C: _		
C8+: _		
G: _		
PG: _		
14+: _		
18+: _		
Select rati	ng	
Move 🕀	Select 🕀	Exit 📼

#### **FRENCH RATINGS**

#### (Canadian models only)

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

Rating	Defined as
C	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

FRENCH RATINGS ►G: \_ 8 ans+: \_ 13 ans+: \_ 16 ans+: \_ 18 ans+: \_ ⊃MENU Select rating Move D Select ⊕ Exit @

#### **U.S.A RATINGS**

#### (Canadian models only)

For programs from the United States. Please see, "TV RATINGS" on page 22 for information on U.S.A. RATINGS.

#### Initial access into PARENTAL CONTROL

1 In the SET UP 🔄 menu, point the cursor to PARENTAL CONTROL and press 🖘, (you will be asked to set a 4-digit password for any future access into PARENTAL CONTROL).



**2** Press  $\bigoplus$ , then use the 0-9 buttons to enter a 4-digit password.

PARENTAL CONTROL	
PASSWORD:	
Use [0-9] buttons to enter new four-digit password	
Move 妃 Select 🕘	Exit 🐵

- Keep this instruction manual in a safe place. In the event that you forget your password, please see page 33.
- **3** Confirm your password by entering it again.

Once your password is set correctly, you will be taken into the PARENTAL CONTROL menu.

#### **Activating PARENTAL LOCK**

In order to change the RATING, you will need to set PARENTAL LOCK to ON.



■ Point the cursor to PARENTAL LOCK and press .

2 Using the  $\Leftrightarrow$  or  $\Rightarrow$  buttons, highlight ON and press  $\bigoplus$  to activate.

### **Setting the RATING**

If you are not familiar with the Parental Guidelines rating system, you may use one of the following preselected categories to simplify the rating selections: CHILD, YOUTH or YOUNG ADULT.

**1** Point the cursor to RATING and press  $\oplus$ .



**2** Using the  $\diamond$  or  $\diamond$  buttons, select the desired rating and press D.

PARENTAL	CONTROL	
RATING:	L LOCK: ON (OUTH PASSWORD	
	<u>Select</u>	Exite

\$

Rating	TV will allow a maximum rating of:
CHILD	TV-Y, TV-G, G (U.S. models only), G (Canadian models only)
YOUTH	TV-PG, PG (U.S. models only), PG (Canadian models only)
YOUNG ADULT	TV-14, PG-13 (U.S. models only), 14+ (Canadian models only)
CUSTOM	Select to set more restrictive ratings.

#### **Using the CUSTOM menu**

You should be familiar with the rating systems before attempting to set CUSTOM ratings. Refer to pages 22-24, "Overview of the Ratings," for a description of the available rating systems.

- 1 In the RATING option, use ↔ or ↔ to highlight CUSTOM and press ⊕.
- 2 Using the ↔ or ↔ buttons, select the desired rating category and press ⊕.
- **3** Use  $\Leftrightarrow$  or  $\Leftrightarrow$  to select the maximum rating or content and press  $\bigoplus$ .
- 4 Press ↔ or ↔ to block (♠) or unblock ( \_ ) the rating or content and press ⊕.
  - Once you have blocked a rating or content, all higher ratings or contents will be automatically blocked.



#### **Resetting your password**

- 1 Use the ☆ or ♦ buttons to move the cursor to CHANGE PASSWORD and press ⊕.
- **2** Follow the directions for, "Initial Access into Parental Control," on pages 24-25, for information on changing your password.

#### **Information for Parents**

#### To view a program that exceeds the TV rating

- □ Press O on the remote control, then use the **①**-**③** buttons to enter your password.
  - Entering your password to view a blocked program will temporarily turn PARENTAL LOCK to OFF. To reactivate your PARENTAL LOCK settings, turn the TV off then back on; the TV will return to the settings that you have selected.



# **Other Information**

### **Programming the Remote Control**

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

- 1 Press CODE SET.
- 2 Press or SATICABLE (FUNCTION).
- **3** Use the **1**-**9** buttons to key in the code number from the following chart.
- 4 Press O.

#### VCR codes

Sony	301, 302, 303	JC Penney	309, 305, 304, 330, 314, 336, 337	
Admiral (M.Ward)	327	JVC	314, 336, 337, 345, 346, 347	
Aiwa	338, 344	Kenwood	314, 336, 332, 337	
Audio Dynamic	314, 337	LXI (Sears)	332, 305, 330, 335, 338	
Broksonic	319, 317	Magnavox	308, 309, 310	
Canon	309, 308	Marantz	314, 336, 337	
Citizen	332	Marta	332	
Craig	302, 332	Memorex	309, 335	
Criterion	315	Minolta	305, 304	
Curtis Mathis	304, 338, 309	Mitsibishi/MGA	323, 324, 325, 326	
Daewoo	341, 312, 309	Multitech	325, 338, 321	
DBX	314, 336, 337	NEC	314, 336, 337	
Dimensia	304	Olympic	309, 308	
Emerson	Emerson 319, 320, 316, 317, 318, 341		327	
Fisher	330, 335	Panasonic	308, 309, 306, 307	
Funai	338	Pentax	305, 304	
General Electric	329, 304, 309	Philco	308, 309	
Go Video	322, 339, 340	Philips	308, 309, 310	
Goldstar	332	Pioneer	308	
Hitachi	306, 304, 305, 338	Quasar	308, 309, 306	
Instant Replay	309, 308	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	
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Signature 2000	338, 327	
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Teac	314, 336, 338, 337
Technics	309, 308
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Wards	327, 328, 335, 331, 332
Yamaha	314, 330, 336, 337
Zenith	331

#### Cable box codes

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		

#### Satellite receiver codes

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

#### Laser Disc Player codes

Sony	701	
Panasonic	704, 710	
Pioneer	702	

#### **DVD codes**

Sony	751	
Panasonic	753	
Pioneer	752	
RCA	755	
Toshiba	754	

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- Whenever you remove the batteries, the code numbers may revert to the factory setting and must be reset.

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.

#### **Operating a VCR**

Press	То
VTRVDVD	Power on the VCR
0-9	Select channels directly
сн Ф Ф	Change channels
►	Play video tape
	Stop
I or III	Search forward or backward
11	Pause
● and ► t the same time	Record
TV/VTR +O	Change between VCR and TV inputs
perating a DVD	
Press	То
	Power on the DVD
0-9	Select chapters directly
Эр Ф	Search chapters forward or backward
	Play DVD
	Stop
11	Pause
�, ♥, ⇔, ⇔	Move the cursor in the menu
MENU	Display the DVD menu
)perating a Lase	er Disc
Press	То
VTR/DVD	Power on the laser disc
Ğ Ğ	Search chapters forward or backward
►	Play disc
	Stop
	Pause

### Troubleshooting

If you are having a problem with your TV, try the suggestions below. If the problem persists, contact your nearest Sony dealer.

No picture, no		Make sure the power cord is plugged in.
sound	ū	If a red light is flashing on the front of your TV for
		more than a few minutes, call your local service center.
	ū	Check your PARENTAL CONTROL settings, (pages 25-26).
		Check the TV/VIDEO settings: when watching TV, set to TV; when watching video equipment, set to VIDEO (page 15).
		Make sure the batteries have been inserted correctly into the remote control.
	D	Try another channel, it could be station trouble.
Poor or no	D	Adjust PICTURE in the VIDEO menu (page 15).
picture, good		Adjust BRIGHTNESS in the VIDEO menu (page 15).
sound		Check the antenna and/or cable connections (page 3).
Good picture, no sound		Press MUTING disappears from the screen (page 11).
		Check your AUDIO settings. Your TV may be set to SAP (page 16).
No color	Q	Adjust COLOR in the VIDEO menu (page 15).
Only snow appears on the	Q.	Check the CABLE setting in the SET UP menu (page 20).
screen		Check the antenna and/or cable connections (page 3).
		Make sure the channel selected is currently broadcasting.
Dotted lines or		Adjust the antenna.
stripes		Move the TV away from other electronic equipment. Some electronic equipment can create electrical noise, which can interfere with TV reception.
Double images or ghosts	Q	Check your outdoor antenna or call your cable service.
Cannot receive higher number		Make sure CABLE is set to OFF in the SET UP menu (page 20).
channels (UHF) when using an antenna	٦	Use AUTO PROGRAM to add channels that are not presently in the memory (page 20).



Cable stations don't seem to		Make sure CABLE is set to ON in the SET UP menu (page 20).
work	Q	Use AUTO PROGRAM to add channels that are not presently in the memory (page 20).
Remote		Batteries could be weak. Replace them (page 2).
Control does not operate		Move the TV 3-4 feet away from fluorescent lights.
The TV needs to be cleaned	0	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.
Lost password for PARENTAL CONTROL		In the password screen, enter the following master password: 4357. After using the master password, you must create a new password.

*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). (416) 499-SONY (7669) (Canadian residents only).



### **Specifications**

#### For all models (except as noted)

· · · · · · · · · · · · · · · · · · ·	
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 <sup>®</sup>
Power requirements	120 V, 60 Hz
Supplied Accessories	Size AA (R6) batteries (2) Remote Control RM-Y168
Optional Accessories	Antenna dipole Connecting cables VMC-810S/820S, VMC-720M, YC-15V/30V, RK74A U/V mixer EAC-66
KV-20FV10	
Screen size	Visible screen size: 20 inch measured diagonally Actual tube size: 21 inch measured diagonally
Inputs/outputs	2 video, 2 audio 1 S VIDEO 1 AUDIO OUT 1 headphone jack
Speaker output	5 W x 2
Power Consumption	125 W when in use 1 W in standby
Dimensions	562 x 466 x 503 mm
(W/H/D)	$(22^{1}/_{8} \times 18^{3}/_{8} \times 19^{3}/_{4} \text{ in.})$
Mass	27 kg (59 lbs.)
KV-24FV10	
Screen size	Visible screen size: 24 inch measured diagonally Actual tube size: 25 inch measured diagonally
Inputs/outputs	2 video, 2 audio 1 S VIDEO 1 AUDIO OUT 1 headphone jack
Speaker output	10 W x 2
Power Consumption	150 W when in use 1 W in standby
Dimensions	652 x 524.3 x 467.3 mm
(W/H/D)	$(25^{3}/_{4} \times 20^{11}/_{16} \times 18^{7}/_{16} \text{ in.})$
Mass	37 kg (87 lbs. 90z)

Design and specifications are subject to change without notice.

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