JVC®

I'Art PALETTE

Plasma Display Users Guide

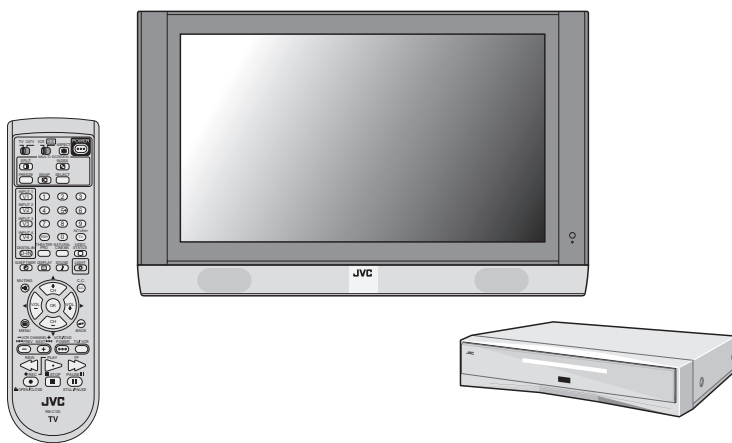## *For Model:*
PD-42WV74

Illustration of PD-42WV74 and RM-C13G

Important Note:

In the spaces below, enter the model and serial number of your television (located at the rear of the television cabinet). Staple your sales receipt or invoice to the inside cover of this guide. Keep this user's guide in a convenient place for future reference. Keep the carton and original packaging for future use.

Model Number:

Serial Number:

LCT1517-001B
0903-KT-CR-VP

Important Safety Precautions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: To reduce the risk of electric shock. Do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle 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.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

CAUTION: TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid Improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Changes or modifications not approved by JVC could void the warranty.

* When you don't use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.

* To prevent 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.

- As an "ENERGY STAR®" partner, JVC has determined that this product or product model meets the "ENERGY STAR®" guidelines for energy efficiency.
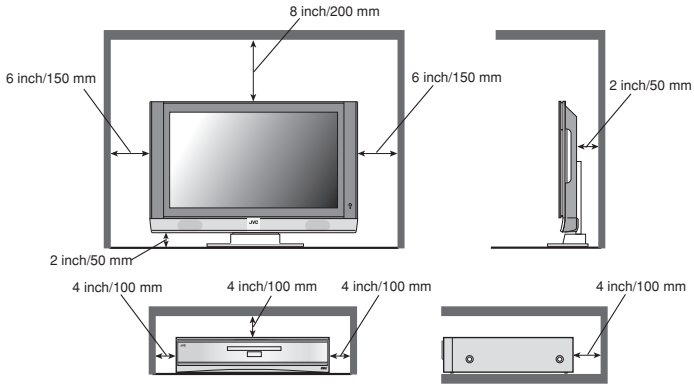
IMPORTANT SAFETY INSTRUCTIONS

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15) Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

16) Avoid improper installation and never position the unit where good ventilation is impossible. When installing this TV, distance recommendations must be maintained between the set and the wall, as well as inside a tightly enclosed area or piece of furniture. Keep to the minimum distance guidelines shown for safe operation.

8 inch/200 mm

6 inch/150 mm

6 inch/150 mm

2 inch/50 mm

2 inch/50 mm

4 inch/100 mm   4 inch/100 mm   4 inch/100 mm   4 inch/100 mm

17) Cautions for installation

— Do not tilt the TV towards the left or right, or towards the back.

— Install the TV in a corner on the floor so as to keep cords out of the way.

— The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.

WARNING

Burn-in

A characteristic of Plasma Display Panels (PDPs) is that displaying the same image for a long time causes a part of the image to stay on the screen (this is called phosphor burn-in).

Avoid burn-in as follows.

IMAGE SHIFT

The picture displayed on the screen is shifted up, down and to the left and right at regular intervals. In order to prevent burn-in, set this function to FAST or STD. (Refer to page 43.)

Even if the IMAGE SHIFT function is turned off, the picture will shift to the left or right when the channel or input is changed. This is only when the ASPECT function is in REGULAR mode.

VIDEO STATUS

The VIDEO STATUS function is initially set to DYNAMIC. Unless the TV is being watched in an extremely bright room, it is recommended to change the VIDEO STATUS setting to standard, theater or game. Doing so will reduce the chance of PDP burn-in and extend the life of the PDP. (Refer to page 56).

❑ **Do not display static images or characters for long periods of time.**

While an image is displayed   With power OFF

Burn-in example
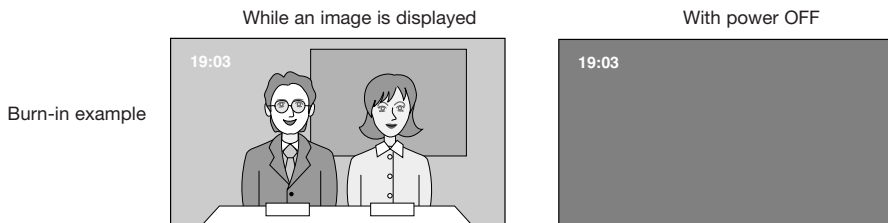
- Reduce PICTURE and BRIGHT on the PICTURE ADJUST menu (page 47) when viewing.

❑ **Do not view for long periods of time in the REGULAR mode (page 58).**

Screen size is normally chosen to ensure that the picture is displayed on the entire screen. After viewing in the REGULAR mode in which black bands may occur at the left and right of the screen, it is recommended to change to the PANORAMA mode to display the picture on the entire screen.

While an image is displayed   With power OFF

Burn-in example
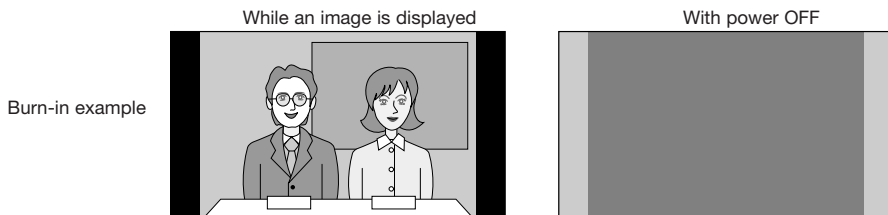
❑ **Do not view for long periods of time using the SPLIT function (page 52) or INDEX function (page 53).**

WARNING

If Burn-in has occurred

If burn-in occurs, try the BURN-IN IMAGE REDUCER function (page 48). If burn-in is minimal it may gradually become less noticeable.

Note: Once burn-in occurs it will never disappear completely.

Point defects

PDPs use collections of fine pixels to display images. While there is no problem with more than 99.99% of these pixels, please understand that a very small number of pixels may not light or may light all the time.

Do not install the TV near electronic equipment that is susceptible to electromagnetic waves

It may cause interference in images, sound, etc. In particular, keep video equipment away from this product.

Effect on infrared devices

There may be interference while using infrared devices such as infrared cordless headphones.

The phenomenon described below is not a malfunction.

If the television is used at a location above an altitude of 2,000 m, a buzzing noise and image distortion may occur. This phenomenon is peculiar to PDP (Plasma Display Panel), and could occur with any television using PDP. It is not a malfunction.

Table of Contents

Thank you for your purchase of a JVC Color Television. Before you begin setting up your new television, please check to make sure you have all of the following items.

TV

Receiver
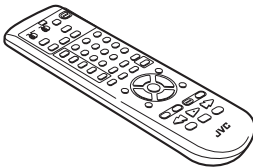
Remote control
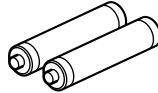
AA/R06-size batteries
(used to check operation)
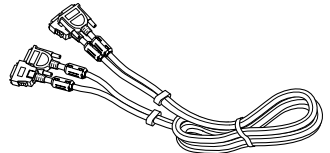
System cable
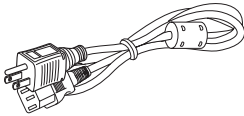
Power cord
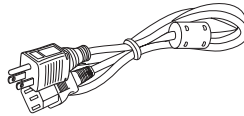
Ferrite core × 1

Screw (A) × 2

Screw (B) × 6

Screw (C) × 4

Stand × 1

Cover × 2

Cable clamp × 1

8
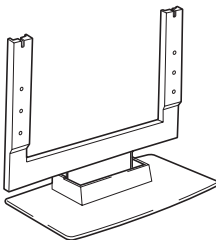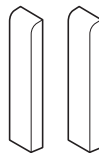
Read the following instructions and then attach the supplied stand to the TV.

WARNING: The TV is heavy. It should always be carried by at least two people. Attempting to carry it by yourself may lead to it being dropped causing injuries and damage.

Required items: Phillips screwdriver

1. Attach the screws (A) to the back of the TV.
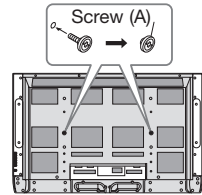
Screw (A)

2. Attach the TV to the stand.
Insert the heads of the screws (A) into the top of the stand bar and temporarily secure the TV to the stand.
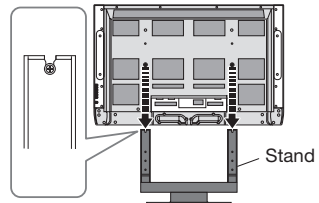
Stand

3. Secure the TV to the stand with the screws (B).

Screw (B)   Screw (B)
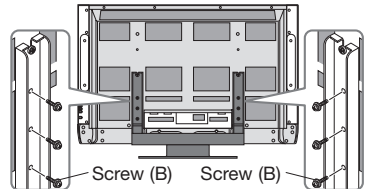
4. Insert the cover to the stand and fix with the screws (C).

Cover

Screw (C)
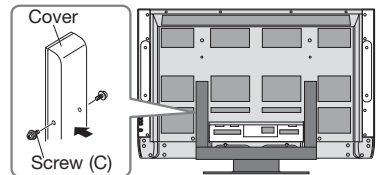
Cable clamp

5. Remove the paper from the bottom of the cable clamp and attach the cable clamp to the stand.

• Clamp the system cable and power cord using the cable clamp after connecting the system cable and the power cord to the TV.

9
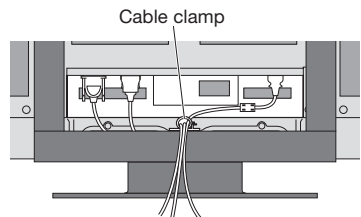
NOTE: Before you connect your receiver to another device, please refer to the proper diagrams for your specific TV and remote.

Display Front

Refer to the pages in parentheses for details.

① Remote control sensor

② Power lamp (page 15)

③ MENU ▼ button (pages 32)

④ INPUT button (page 54)

⑤ VOL (Volume) -/+ buttons

⑥ CH -/+ buttons (page 14)

⑦ POWER button
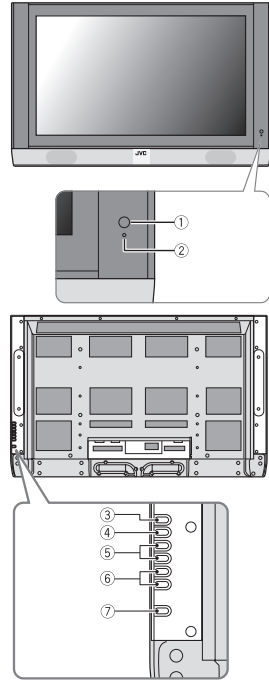
Receiver Front
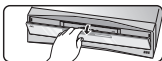
How to open the cover
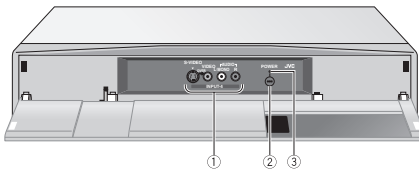
Refer to the pages in parentheses for details.

① INPUT-4 terminal (pages 20)

② POWER button (page 15)

③ Power lamp (page 15)

10
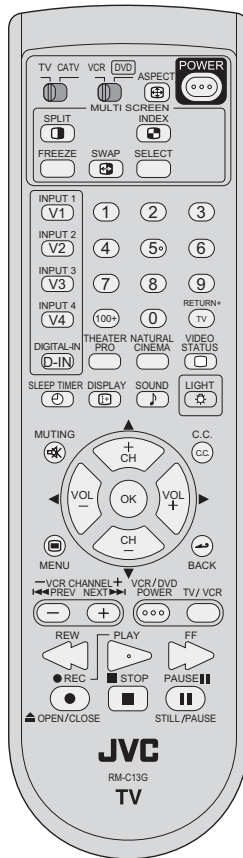
RM-C13G

• For information on remote control buttons, see pages 52-60.

Getting Started

These quick setup pages will provide you, in four easy steps, with the basic information you need to begin using your new television right away.

If you have questions, or for more detailed information on any of these steps, please consult other sections of this manual.

STEP 1 - Set Up Your TV

Caution

• Turn off all equipment (including the TV) before connecting anything.

Connection Diagram

TV (back)

DISPLAY INPUT
CONNECT TO SYSTEM CABLE

AC 120V

Cable supplied with TV

• Refer to page 13 for connection details.

Supplied system cable

• Refer to page 13 for connection details.

Receiver (back)

DISPLAY OUT(SYSTEM CABLE)

Cable supplied with receiver

• Refer to page 13 for connection details.

12
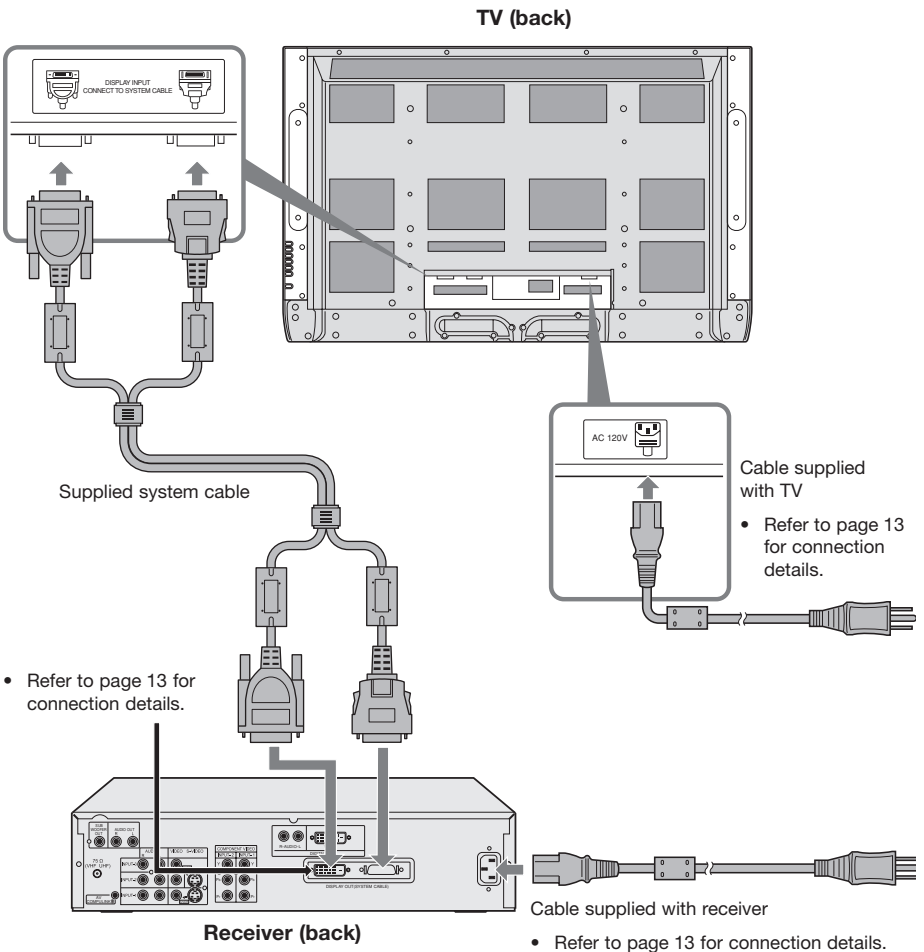
Connecting the TV and receiver

Use the supplied system cable to connect the TV to the receiver.
The two connectors are of different shapes. Ensure that the pins on connector ① are oriented correctly, press the connector into the socket, and tighten the screws at left and right to lock it in place.
Press connector ② firmly into place until it is locked.
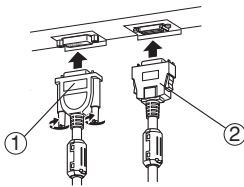
Disconnecting the system cable

Release connector ① by unscrewing the screws at left and right and removing it from the socket.
Release connector ② by removing it from the socket while pressing the release bottoms on either side.
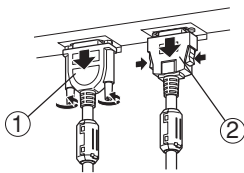
Connecting the power cord to the AC outlet

Insert the AC plugs on the power cords from the TV and receiver into AC outlets.

Caution

- Operate only from the power source specified (AC 120V, 60 Hz) on the unit.
- Failure to use the supplied power cord or to insert it into a correctly grounded outlet may result in electric shocks.

Use the supplied power cord which best suits the area in which you live.

Back of the TV   AC INLET   Power cord

AC INLET

Power cord

Back of the receiver
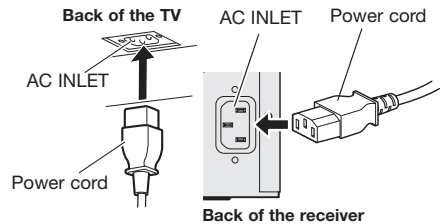
Insert the AC plug into a correctly grounded outlet.

- Remove the AC plug from the outlet to completely disconnect the TV from the power supply.

Receiver rear

13
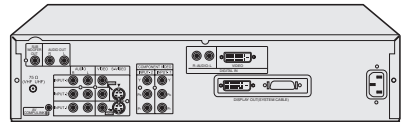
Step 2 – The Remote Control

Before you can operate your remote control, you first need to install the batteries (included).

Slide the cover on the back of the remote down towards the bottom of the remote control. Insert two batteries (included) carefully noting the "+" and "–" markings, placing the "–" end in the unit first. Slide the cover back into place.
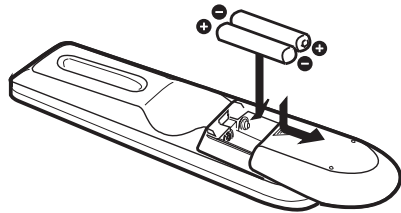
When you change the batteries, try to complete the task within three minutes. If you take longer than three minutes, the remote control codes for your VCR, DVD, and/or cable box/satellite receiver may have to be reset. See pages 26-29.

Key Feature Buttons

The four key feature buttons at the center of the remote can be used for basic operation of the television. The top and bottom buttons will scan forward and back through the available channels. To move rapidly through the channels using JVC's **Hyperscan** feature, press and hold CH+ or CH–. The channels will zip by at a rate of five channels per second. The right and left buttons will turn the volume up or down. These buttons are also marked with four arrows and are used with JVC's onscreen menu system. To use the onscreen menus, press the MENU button.
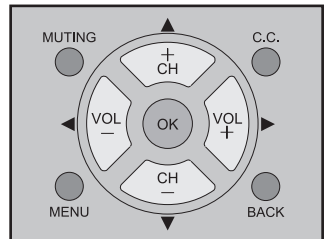
Basic Operation

Turn the television on and off by pressing the POWER button at the top right corner of the remote. If this is the first time you are turning on the TV, the interactive plug-in menu appears.

POWER

• Turn on the TV after connecting it to the other surrounding devices. (Refer to page 16.)

TV CATV

• Make sure the TV/CATV switch is set to TV. Move the switch to CATV only if you need to operate a cable box.

VCR DVD

• Slide the VCR/DVD selector switch to VCR to control a VCR. Slide to DVD to control a DVD player. Please see pages 26 to 29 for instructions on programming your remote control to operate a cable box, VCR or DVD player.

Display front

Remote control sensor
Power lamp

Receiver front

POWER button   Power lamp
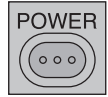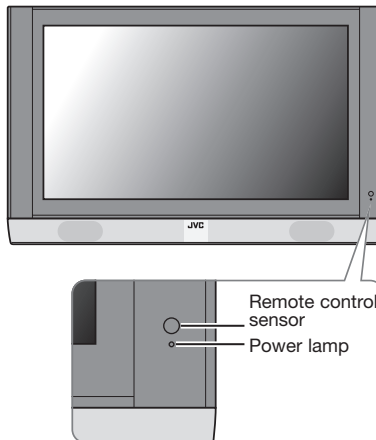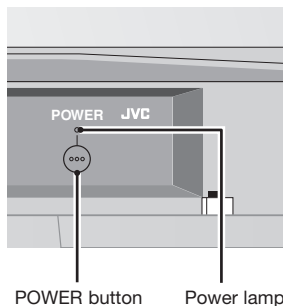
• When the TV is off, the TV and TUNER power lamps do not light. When the TV is on, the TV and TUNER power lamps light. However, when the POWER INDICATOR in the MENU is set to OFF, the power lamps do not light even when the TV is on. (Refer to "POWER INDICATOR" on page 41)

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Step 3 – Connecting Your Devices

To make these connections, you will use plugs like the ones illustrated below.

Coaxial Cables

Ferrite core (accessory)
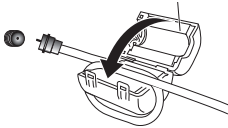
Used to connect an external antenna or cable TV system to your receiver.

Attach the ferrite core to the coaxial cable. Using it without the ferrite core may lead to noise (interference).

• Attach the ferrite core as close to the receiver as possible.

Component Cables
Composite Cables
Audio Cables
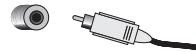
Used to connect audio/video devices like VCRs, DVD players, stereo amplifiers, game consoles, etc.

S-Video Cable

Used to make video connections with S-Video VCRs, Camcorders and DVD players.

Please follow the flow chart below to determine which connection setup is right for you. Then, refer to the appropriate diagrams to connect your receiver to other devices that you may have. After you are finished connecting your devices, plug the power cord into the nearest power outlet and turn on the TV.

A VCR is not necessary for operation of the television. If you follow these diagrams and the television does not work properly, contact your local cable operator.

• To connect a DVD player, see **Diagram #3**. A DVD player is optional.
• If you have a satellite television system, please refer to the satellite TV manual.

Do you use a Cable TV Box?

Yes   No

Do you have a VCR?   Do you have a VCR?

Yes   No   Yes   No

Diagram #2   Diagram #1   Diagram #3   Diagram #1

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Diagram #1

Cable or Antenna
Output

Coaxial Cable

75 Ω
(VHF UHF)

OR

Receiver Rear Panel

OUT   IN
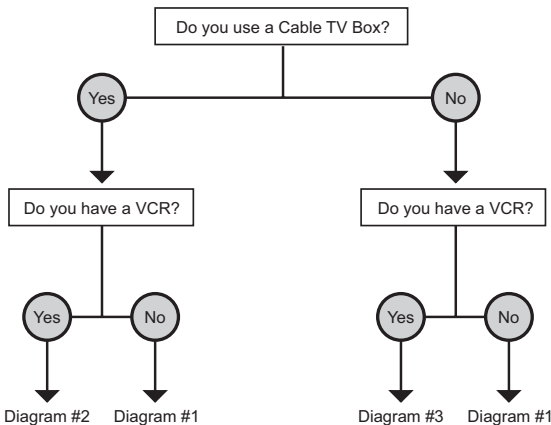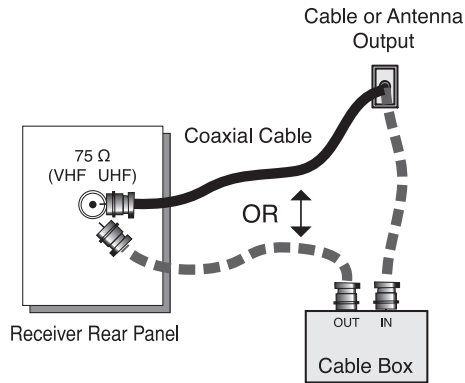
Cable Box

Note:
• If you do not have a cable box, connect the cable wire from the wall outlet into the back of the receiver.

Diagram #2

AUDIO   VIDEO S-VIDEO
R   L

INPUT-3

INPUT-2

INPUT-1

Cable or Antenna
Output

Receiver Rear Panel

Coaxial Cable

75 Ω
(VHF UHF)

OUT OUT

IN

Two-Way
Splitter

OR

VCR

IN

IN

OUT

OUT
R   L   V

OUT   IN

Cable Box
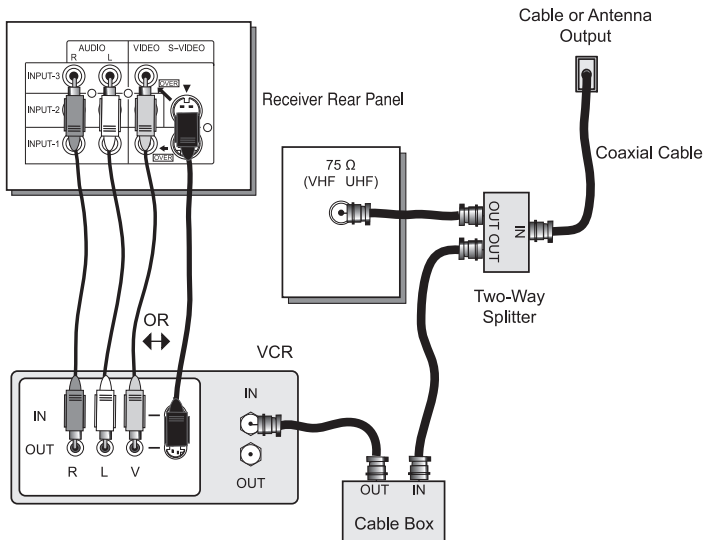
Notes:

• Use the S-Video connection if possible for superior picture quality.

• Your VCR must be turned on to view premium cable channels.

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Notes:

- Green, blue and red are the most common colors for DVD cables. Some models may vary colors. Please consult the user's manual for your DVD player for more information.

- Be careful not to confuse the red DVD cable with the red audio cable. It is best to complete one set of connections (DVD or audio output) before starting the other to avoid accidentally switching the cables.

- You may also connect the DVD player to Input 1.

Diagram #3
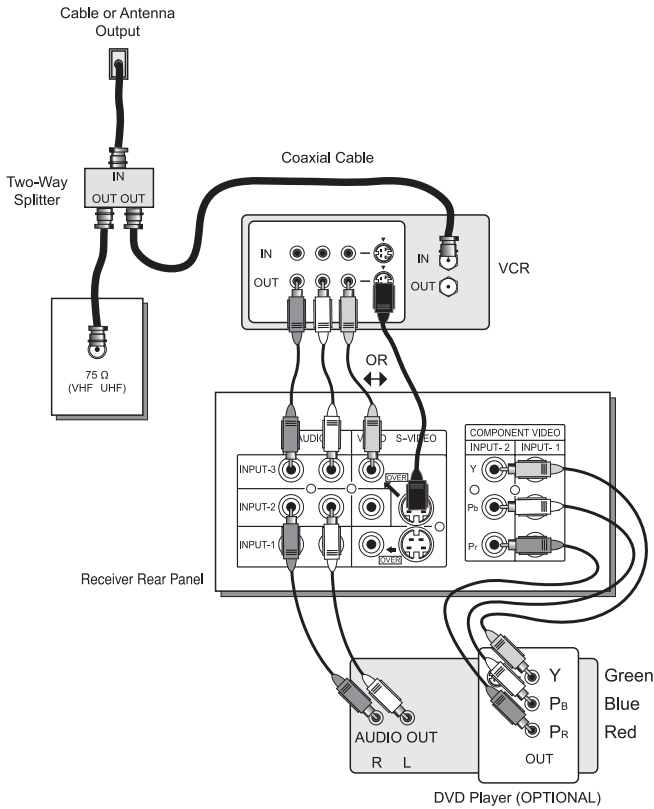
Connecting to JVC AV Compu Link

JVC's AV compu link feature makes playing video tapes or DVDs totally automatic. Simply insert a pre-recorded tape into your JVC brand VCR or DVD into your JVC DVD player and the device will automatically turn on and begin playback. At the same time, using the AV compu link, the VCR or DVD player sends a signal to the television telling it to turn on and switch to the proper video input.

- The AV compu link cable may be included with the JVC AV compu link unit you wish to connect. If it is not, contact JVC Parts Department at (800)-882-2345, or www.jvcservice.com for part # EWP 805-012.

- AV Compu Link can only be used with JVC brand products.

AV Compu Link Cable

To Connect: Plug one end of the AV compu link cable into the AV COMPU LINK INPUT on your VCR, DVD, or other compu link device. Plug the other end of the AV compu link cable into the AV COMPU LINK at the rear of the receiver.

Note:

- The AV compu link cable has a male 3.5 mm (mono) plug on each end.
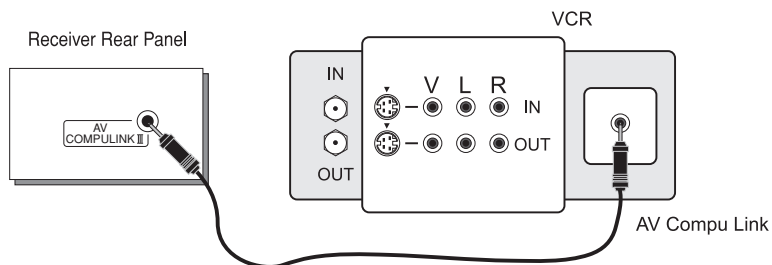
Notes:

- In order for the VCR playback to begin automatically, the recording tabs must be removed from the VHS tape. If the tab is in place, automatic switching will occur when you push the VCR's PLAY button.

- If your JVC brand VCR has "A code/B code remote control switching" (see your VCR's instruction book), using VCR A code will switch the TV to input 1.

- Refer to your DVD instruction book for detailed connection information.

- To connect a JVC HiFi receiver or amplifier for a completely automated home theater, see the receiver connection instructions for detailed connection information.

- AV compu link is compatible with select AV compu link receivers.

Connecting to a Camcorder

You may connect a camcorder, game console or other equipment to your television by using the front input jacks (Input 4) located under the front panel door. To access, pull on the door to open it. You can also connect these using the television's rear input jacks, using the same instructions.
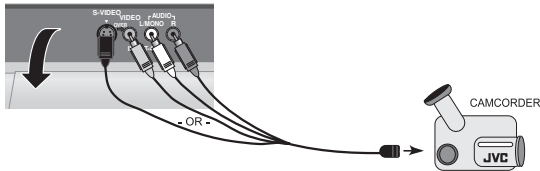
1) Connect a yellow composite cable from the camcorder VIDEO OUT, into the VIDEO IN on the front of the receiver, **OR** connect an S-Video cable from the front of the receiver to the camcorder.

2) Connect a white composite cable from the camcorder LEFT AUDIO OUT, into the LEFT AUDIO IN on the front of the receiver.

3) Connect a red composite cable from the camcorder RIGHT AUDIO OUT, into the RIGHT AUDIO IN on the front of the receiver.

Note:

• If your camcorder is a mono sound model it will have only one AUDIO OUT. Connect it to the LEFT AUDIO IN on the front of the receiver.

Connecting to an External Amplifier

Subwoofer Out - Use a powered subwoofer with the surround feature to simulate a home theater system. Simply connect the subwoofer to the back of the receiver.
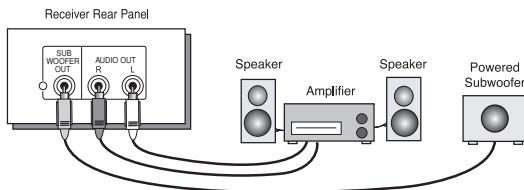
1) Connect a white composite cable from the LEFT AUDIO OUTPUT on the back of the receiver to the LEFT AUDIO INPUT on the amplifier.

2) Connect a red composite cable from the RIGHT AUDIO OUTPUT on the back of the receiver to the RIGHT AUDIO INPUT on the amplifier.

3) Connect a black composite cable from the SUBWOOFER OUT on the back of the receiver to the LINE INPUT of the subwoofer.

Notes:

• Refer to your amplifier's manual for more information.
• You can use AUDIO OUTPUT for your home theater system.

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Connecting to a Digital TV Receiver w/HDCP

By inputting a high bandwidth digital content protection high definition picture source to the digital-in terminal of this television, high-definition pictures can be displayed on the screen in their digital form. (This terminal is for use in the future when high bandwidth digital content protection DTV decoders and DVD players and D-VHS are put on the market.)

After the connections have been made, tighten the screw to secure the cables.

Receiver Rear Panel

R-AUDIO-L   VIDEO   DIGITAL IN

AUDIO OUT
L   R

DIGITAL OUT
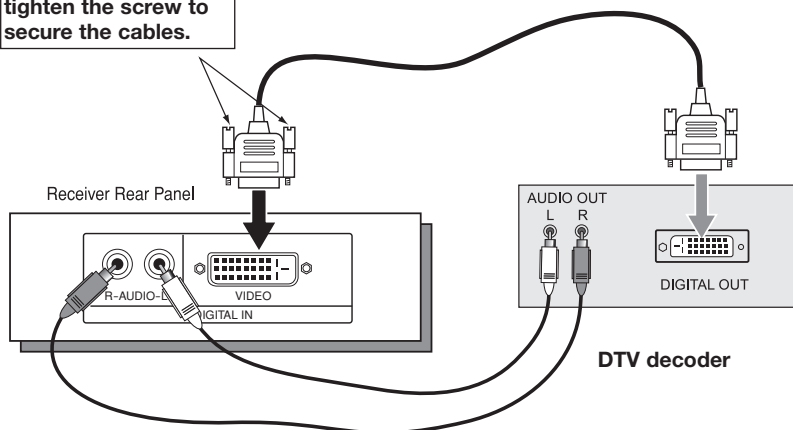
DTV decoder

1) Connect the DTV DIGITAL RGB OUTPUT TERMINAL to the DIGITAL INPUT TERMINAL of the receiver, and then tighten the 2 screws.

2) Connect the DTV decoder LEFT AUDIO OUTPUT to the DIGITAL-IN LEFT AUDIO INPUT.

3) Connect the DTV decoder RIGHT AUDIO OUTPUT to the DIGITAL-IN RIGHT AUDIO INPUT.

• The Digital-In terminal can only be used with 1080i, 720p and 480p picture signals. Set the DTV decode digital-out terminal output setting to 1080i, 720p or 480p. For detailed information, refer to the DTV decoder instruction manual. If you can not display the picture because your DTV decoder does not have a digital-out terminal output setting, use the component video input (or the S-Video input or video input). Refer to page 18. In this case the picture will be displayed as an analog signal.

• The digital-in terminal is not compatible with the picture signal of a personal computer.

• Use a DVI-D single link 19-pin cable (commercially available) in order to digitally connect the receiver with a DTV decoder.

If 480p signals (640x480 or 720x480) are displayed on the screen, the horizontal balance may be slightly shifted. In cases such as this, the horizontal balance can be adjusted by accessing "DIGITAL-IN" in the INITIAL SETUP menu. (Refer to page 42.)

Connecting to an AV Receiver using your television's V1 Smart Input

By connecting your AV Receiver to your television's V1 smart Input, you can watch picture sources from many diffent devices, without having to change or use the other input connections on your TV. This allows you to free up other input connections so you can connect more devices to your television.
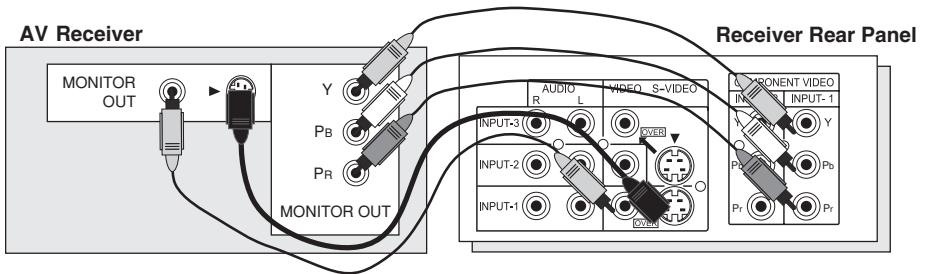
1) Connect an S-Video Cable from the AV Receiver's MONITOR OUT, to the S-Video INPUT-1 on the back of your receiver.

2) Connect a Yellow Component Cable from the AV Receiver's MONITOR OUT, into the VIDEO INPUT-1 on the back of your receiver.

3) Connect a Green Component Cable from the AV Receiver's Y MONITOR OUT, into the Y VIDEO INPUT-1 on the back of your receiver.

4) Connect a Blue Component Cable from the AV Receiver's P_B MONITOR OUT, into the P_B VIDEO INPUT-1 on the back of your receiver.

5) Connect a Red Component Cable from the AV Receiver's P_R MONITOR OUT, into the P_R VIDEO INPUT-1 on the back of your receiver.

Notes:

• Please refer to your AV Receiver instruction manual for more information on connecting your speakers and other devices like a DVD player.

• Use your AV Receiver's remote to switch to the diferent devices you have connected.

• Some AV Receiver's may not respond when the V1 Smart Input funcion is turned on.

• If you have video connections for each input device connected to your AV Receiver, you should not connect them using both S-Video and Composite connection at the same time when you are using V1 input as the V1 Smart Input. In this case we recommend using the S-Video connection.

Step 4 – The Interactive Plug In Menu

When you turn your television on for the first time the interactive plug-in menu will appear. The plug-in menu helps you to get your TV ready to use by letting you set your preferences for:

• The language in which you want the onscreen menus to appear.

• Setting the TV's clock to the correct time so your timer functions will work properly. You can choose "AUTO" or "MANUAL" for setting the clock.

• The auto tuner setup of which channels you wish to receive.

We recommend you complete the interactive plug-in items before you start using your television.

Language

After the "JVC INTERACTIVE PLUG IN MENU" has been displayed, the TV automatically switches to the LANGUAGE settings. You can choose to view your onscreen menus in three languages: English, French (Français) or Spanish (Español).

```
LANGUAGE / LANGUE / IDIOMA


        ◀ ENGLISH ▶
                          ◤

        ▼ NEXT
⬍ SELECT ◀▶ OPERATE    MENU EXIT
```
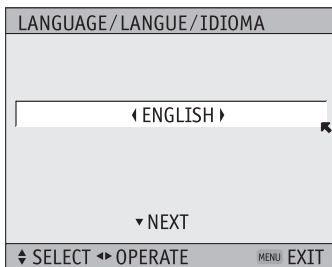
◀▶   To choose a language:

        (English, Français or Español)

▼   To NEXT (To set clock)

(To be continued...)

Auto Clock Set

Before you use any of your TV's timer functions, you must first set the clock. You may precisely set your clock using the XDS time signal broadcast by most public broadcasting stations. If you do not have this in your area, you will have to set the clock manually. See manual clock set below. To set the clock using the XDS signal:

```
┌─────────────────────────────┐
│ SET CLOCK                    │
│                              │
│                              │
│ MODE              ◄ AUTO ►   │
│ TIME ZONE         ◄ ATLANTIC►│
│ D.S.T.            ◄ OFF ►    │
│                              │
│         ▼ NEXT               │
│ ♦ SELECT ◄►OPERATE   MENU EXIT│
└─────────────────────────────┘
```
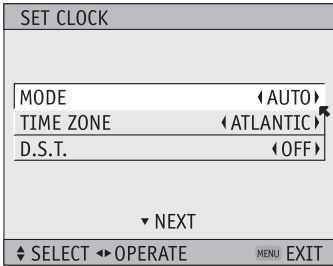
◄►	To choose AUTO
▼	To TIME ZONE
◄►	To select your time zone: (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)
▼	To move to D.S.T. (Daylight Savings Time)
◄►	To turn D.S.T. ON or OFF
▼	To NEXT (To Auto Tuner Setup)

Notes:

• The Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.

• You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

Manual Clock Set

To set your clock manually (without using the XDS signal), choose MANUAL. If you choose AUTO, see auto clock set above.

```
┌─────────────────────────────┐
│ SET CLOCK                    │
│                              │
│                              │
│ MODE            ◄ MANUAL ►   │
│ TIME            -- : -- --   │
│                              │
│                              │
│      ▼ START CLOCK           │
│ ♦ SELECT ◄►OPERATE   MENU EXIT│
└─────────────────────────────┘
```
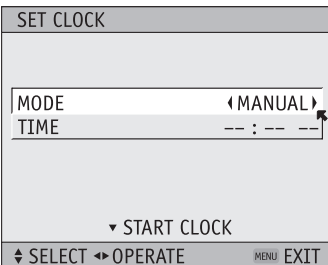
◄►	To choose MANUAL
▼	To TIME
◄►	To set the hour
▼	To minute
◄►	To set the minute
▼	To Start Clock

Note:

• You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

(To be continued...)

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Auto Tuner Setup

In auto tuner setup, the TV automatically scans through all available channels, memorizing the active ones and skipping over blank ones or channels with weak signals. This means when you scan (using the CHANNEL +/– buttons) you will receive only clear, active channels.

```
AUTO TUNER SETUP



 TUNER MODE            ◄CABLE►



              ▼ START
 ⬍ SELECT ◄► OPERATE    MENU EXIT
```
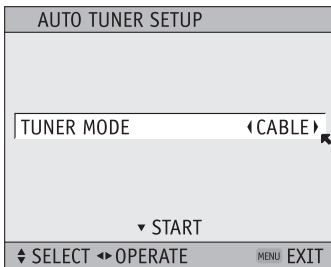
◄►   To choose CABLE or AIR (or SKIP when you skip Auto Tuner Setup)

▼   To START

```
         NOW
     PROGRAMMING !
      ▶▶▶ ⬛ ▶▶▶
          48
```

**Programming will take approximately
1 to 2 minutes.**

When the setup is finished, THANK YOU!! SETUP IS NOW COMPLETE is displayed. Your quick setup is now complete. You can now begin watching your television, or you can continue on in this guide for more information on programming your remote control, or using the JVC onscreen menu system to customize your television viewing experience.

Notes:

• Noise muting will not work during Auto Tuner Setup.

• Skip appears only for interactive plug-in menu.

• The interactive plug-in menu setting does not appear if your TV has been turned on before. In this case, use the menu to perform these settings. See pages 43, 50 and 33.

Cable Box and Satellite Users: After your auto tuner setup is complete, you may, (depending on the type of hookup), have only 1 channel, usually 3 or 4 in the auto tuner memory. This is normal.

STOP   ## The Quick Setup is complete

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Remote Programming

Setting the CATV, VCR and DVD Codes

You can program your remote to operate your cable box, satellite receiver, VCR or DVD player by using the instructions and codes listed below. If the equipment does not respond to any of the codes listed below or to the code search function, use the remote control supplied by the manufacturer.

Cable Box or Satellite Codes

The remote control is programmed with cable box and satellite codes for power on/off, channel up/down, and 10 key operation.

1) Find the cable box or satellite brand from the list of codes shown below.
2) Slide the 2-way selector switch to "CATV".
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the cable box/satellite receiver.

- If your cable or satellite box does not respond to the first code, try the others listed. If it does not respond to any code, try the search codes function, on page 29.

Cable Box	CODES	Cable Box	CODES	Digital Satellite Systems	CODES
ABC	024	Puser	032		
Archer	032, 025	RCA	061, 070	Echostar (Dish Network)	100, 113, 114, 115
Cableview	051, 032	Realistic	032		
Citizen	022, 051	Regal	058, 064, 040, 041, 042, 045, 068	Express VU	100, 113
Curtis	058, 059			G.E.	106
Diamond	024, 032, 025	Regency	034	G.I.	108, 120, 121, 122
Eagle	029	Rembrandt	037, 032, 051, 038		
Eastern	034				
GC Brand	032, 051	Samsung	051	Gradiente	112
Gemini	022, 043	Scientific Atlanta	057, 058, 059	Hitachi	104, 111
General Instrument/Jerrold	065, 024, 025, 026, 027, 020, 021, 022, 057, 023, 072, 074	SLMark	051, 047	HNS (Hughes)	104
		Sprucer	051, 056	Magnavox	102, 103
		Stargate	032, 051	Panasonic	105
Hamlin	040, 041, 042, 045, 058, 064	Telecaption	067	Philips	102, 103, 116
Hitachi	049, 024	Teleview	047, 051	Primestar	108
Macom	049, 050, 051, 054	Texscan	044	Proscan	106, 109, 110
		Tocom	035, 036, 066, 074	RCA	106, 109, 110
Magnavox	033			Sony	107
Memorex	030	Toshiba	050, 048	Star Choice	104, 108
Movietime	032, 051	Unika	032, 025	Toshiba	101, 104, 117, 118, 119
Oak	039, 037, 048	Universal	022, 032		
Panasonic	055, 056, 060, 071, 073	Videoway	052	Uniden	102, 103
Paragon	063	Viewstar	029, 030		
Philips	028, 029, 030, 052, 053, 031, 069	Zenith	063, 046		
		Zenith/Drake Satellite	046		
Pioneer	047, 062				
Pulsar	051, 032				

Remote Programming

VCR Codes

The remote control is programmed with VCR codes for power on/off, play, stop, fast-forward, rewind, pause, record, channel up/down operation.

1) Find the VCR brand from the list of codes shown below.
2) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "VCR".
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the VCR.

• If your VCR does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 29.

• After you program your remote, some VCR buttons may not work properly. If so, use the VCR's remote.

• To record, hold down the REC button on the remote and press PLAY.

VCRs	CODES	VCRs	CODES	VCRs	CODES
Admiral	035	Marantz	003, 004, 005	Samsung	037, 060, 062, 033, 089
Aiwa	027, 032, 095	Marta	064		
Akai	029, 072, 073, 074	Memorex	024, 067	Samtron	089
		MGA	038, 040, 047, 048, 041, 042	Sansui	003, 026, 020, 052
Audio Dynamic	003, 005				
Bell & Howell	063, 071	Minolta	058, 045, 093	Sanyo	063, 067, 091, 071
Broksonic	020, 026, 094	Mitsubishi	038, 040, 047, 048, 041, 042, 078, 090	Scott	059, 060, 062, 067, 038, 040, 047, 048, 026, 020
Canon	023, 025				
CCE	043				
Citizen	064	Multitech	047, 027, 062		
Craig	063, 029, 064	NEC	003, 004, 005, 000	Sears	063, 064, 065, 066, 058
Curtis Mathes	045, 024, 027, 093	Olympic	024, 023	Sharp	035, 036, 080, 088
Daewoo	043, 059, 024, 092	Optimus	028, 021, 035, 064	Shintom	075
DBX	003, 004, 005	Orion	026, 020	Signature 2000	027, 035
Dimensia	045, 093	Panasonic	023, 024, 021, 022	Singer	075
Emerson	043, 026, 077, 061, 025, 042, 020, 076	Penney	024, 058, 045, 063, 003, 004, 005, 093	Sony	028, 029, 030, 053, 054, 055
				SV 2000	027
Fisher	063, 066, 067, 065, 071, 091	Pentax	058, 005, 045, 093	Sylvania	031, 023, 024, 027
Funai	027, 026, 020, 000	Philco	031, 024, 027, 023, 026, 020, 043	Symphonic	027, 081
G.E.	033, 045, 024			Tashiro	064
Go Video	037, 051, 049, 050, 089	Philips	031, 023, 024, 086	Tatung	003, 004, 005
		Pioneer	023	Teac	003, 004, 027, 005
Goldstar	064	Proscan	045, 058, 023, 024, 031, 046, 059, 060, 093, 033, 087	Technics	021, 022, 023, 024
Gradiente	083, 084, 081, 000, 001				
Hitachi	023, 045, 058, 093, 027, 081			Teknika	024, 027, 070
		Quasar	021, 022, 023, 024	Thomson	033, 096
Instant Replay	024, 023			Toshiba	059, 046, 079
Jensen	003	Radio Shack	033, 024, 063, 036, 067, 040, 027	Vector Research	005
JVC	003, 004, 005, 000, 001, 002, 006, 007			Wards	035, 036, 067, 044, 064
		RCA	033, 045, 058, 023, 024, 031, 046, 059, 060, 083, 084, 085, 087, 093, 096	Yamaha	063, 003, 004, 005
Kenwood	003, 004, 064, 005			Zenith	044, 082, 064, 094
LG	064				
LXI	027, 064, 058, 065, 066, 063, 067	Realistic	024, 063, 036, 067, 040, 027		
Magnavox	031, 023, 024, 086				

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Remote Programming

DVD Codes

The remote control is programmed with DVD codes for power on/off, play, stop, fast-forward, rewind, previous/next chapter, tray open/close, and still/pause operation.

1) Find the DVD player brand from the list of codes shown below.
2) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "DVD".
3) Press and hold down the D$_{\text{ISPLAY}}$ button, then enter the first code number listed with the 10 key pad.
4) Release the D$_{\text{ISPLAY}}$ button, and confirm the operation of the DVD player.

• If your DVD player does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 29.

• After you program your remote, some DVD buttons may not work properly. If so, use the DVD player's remote.

DVD Player	CODES	DVD Player	CODES	DVD Player	CODES
Aiwa	043	Mintek	057	Sharp	028
Apex	040, 054, 055	Mitsubishi	025	Silvania	038
Bose	058	Next Base	056	SMC	048
Denon	020, 037	Onkyo	041, 052	Sony	024, 045, 046, 047
Funai	038	Oritron	044	Technics	020
Go–Video	032	Panasonic	020	Thomson	021
Harman Kardon	053	Philips	023, 036	Toshiba	023
Hitachi	031	Pioneer	022	Venturer	051
JVC	000	Polk Audio	036	Vialta	050
Kenwood	035, 020	Raite	033	Wave	042
KLH	051	RCA	021, 026	Yamaha	020, 049
Konka	039	Sampo	034	Zenith	027, 032
Koss	050	Samsung	030		

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Remote Programming

Search Codes

Cable/Satellite Search Codes Function

1) Slide the first 2-Way Mode Selector switch to CATV.
2) Press and hold down the POWER button, then press the RETURN+/TV button for more than three seconds.
3) Release the RETURN+/TV button, then release the POWER button.
4) Press the POWER button on the remote, and see if the cable or satellite box responds.
5) If there was a response, press RETURN+/TV. The codes are now set. If there was no response, repeat Step 4. If you repeat Step 4 a total of 80 times without a response, use the remote control that came with your equipment.
6) Press RETURN+/TV to exit.

VCR/DVD Search Codes Function

1) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "VCR" or "DVD".
2) Press and hold down the VCR or DVD POWER button, then press the RETURN+/TV button for more than three seconds.
3) Release the RETURN+/TV button, then release the VCR or DVD POWER button.
4) Press the VCR or DVD POWER button, and see if the VCR or DVD responds.
5) If there was a response, press RETURN+/TV. The codes are now set. If there was no response, repeat Step 4. If you repeat Step 4 a total of 80 times for the VCR (40 times for the DVD player), and there is no response, use the remote control that came with your equipment.
6) Press RETURN+/TV to exit.

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Onscreen Menus

Using the Guide

Certain symbols are used throughout this guide to help you learn about the features of your new television. The ones you will see most frequently are:

▲▼ Up and Down arrows mean press the Cн+ or Cн– buttons. Pressing the Cн+ or Cн– buttons let you:

- Move vertically in a main menu screen
- Move through a submenu screen
- Move to the next letter, number, or other choice in a submenu
- Back up to correct an error
- Scan through TV channels (when not in a menu screen)

◄► Left and right arrows mean press the Volume+ or Volume– buttons to move left or right to:
- Select a highlighted menu item
- Select an item in a submenu
- Select numbers in certain menu options
- Turn the volume up or down (when not in a menu screen)

🖐 The "press button" icon means you should press the button named on your remote control. (Button names appear in Small Capital Letters.)

🢬 The "helping arrow" icon points to the highlighted or selected item in a menu.

To bring up the onscreen menu, press the Menu button on the remote control. The item that appears in green is the one currently selected. If you use the Menu button on the TV's front panel instead of the remote, an additional menu screen showing INPUT and ASPECT will appear between INITIAL SETUP and PICTURE ADJUST. The "interactive plug-in menu" will appear the first time the TV is plugged in.

```
┌──────────────────────────────────────┐
│ ▥  ▯  ◷  ▤  INITIAL SETUP             │
│ ▲ PREVIOUS                            │
│ │AUTO TUNER SETUP ▸                   │
│ │CHANNEL SUMMARY ▸              🢬      │
│ │V-CHIP ▸                             │
│ │SET LOCK CODE ▸                      │
│ │AUTO DEMO              ◂OFF▸         │
│                                       │
│ ▾ NEXT PAGE                           │
│ ⬍ SELECT ◂▸OPERATE      MENU EXIT     │
└──────────────────────────────────────┘
```
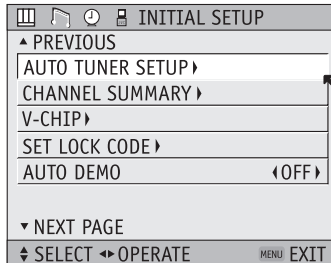
Note:

- Menus shown in this book are illustrations, not exact replications of the television's onscreen displays.

Onscreen Menus

The Onscreen Menu System

Your television comes with JVC's onscreen menu system. The onscreen menus let you make adjustments to your television's operation simply and quickly. Examples of the onscreen menus are shown on the next page. Detailed explanations on using each menu follow later in this guide. For information about the interactive plug-in Menu, see pages 23-25.

The Onscreen Menu System

To open the onscreen menu system, press the MENU button on the remote control. You navigate within the onscreen menus by using the four directional arrow buttons on the remote control. (These buttons are also the CH +/– and VOL +/– buttons. Channel and volume functions will not operate when the onscreen menu is active).

The selected feature and option on a menu screen are highlighted in a different color.

Selected Option (Green) — LANGUAGE | ENG. FRAN. ESP. | **Selected Option (Blue)**
CLOSED CAPTION ▶
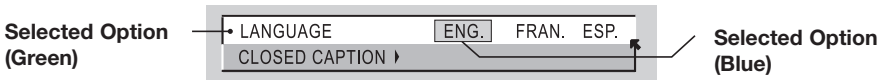
To move to a different feature use the ▲ ▼ arrows to move up or down the list. When you press the up arrow at the top of the list or the down arrow at the bottom, the next menu screen will appear. Use the arrows ◄ ► to select an option from the highlighted feature. Pressing MENU on the remote control will close the onscreen menu system and return you to normal television viewing.

Each menu and its features will be discussed in the following pages of this guide.

Notes:

• If you do not press any buttons for about a minute, the onscreen menu will automatically shut off.
• Button names in this guide are shown in SMALL CAPITAL LETTERS.
• Menus may appear in different sizes onscreen depending on the aspect ratio selected.
• Some menu items may not appear in menu screens when certain aspect ratios or inputs are selected.

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Onscreen Menus

Press the MENU button
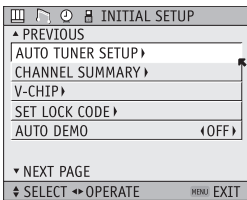
```
╓ ╥ ⌂ ⏱ ⌘ INITIAL SETUP
▲ PREVIOUS
 AUTO TUNER SETUP ▸
 CHANNEL SUMMARY ▸
 V-CHIP ▸
 SET LOCK CODE ▸
 AUTO DEMO            ◂OFF▸
▾ NEXT PAGE
⬍ SELECT ◂▸ OPERATE    MENU EXIT
```
INITIAL SETUP 04
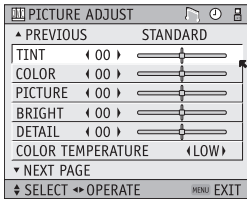
```
╓ PICTURE ADJUST      ⌂ ⏱ ⌘
▲ PREVIOUS      STANDARD
 TINT        ◂ 00 ▸ ───⬥──
 COLOR       ◂ 00 ▸ ───⬥──
 PICTURE     ◂ 00 ▸ ───⬥──
 BRIGHT      ◂ 00 ▸ ───⬥──
 DETAIL      ◂ 00 ▸ ───⬥──
 COLOR TEMPERATURE    ◂LOW▸
▾ NEXT PAGE
⬍ SELECT ◂▸ OPERATE    MENU EXIT
```
PICTURE ADJUST 01
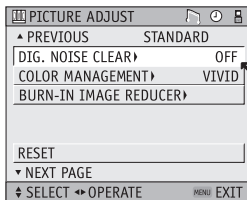
```
╓ PICTURE ADJUST      ⌂ ⏱ ⌘
▲ PREVIOUS      STANDARD
 DIG. NOISE CLEAR ▸        OFF
 COLOR MANAGEMENT ▸      VIVID
 BURN-IN IMAGE REDUCER ▸

 RESET
▾ NEXT PAGE
⬍ SELECT ◂▸ OPERATE    MENU EXIT
```
PICTURE ADJUST 02
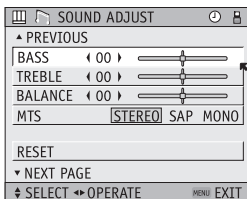
```
╓ ╥ SOUND ADJUST      ⏱ ⌘
▲ PREVIOUS
 BASS       ◂ 00 ▸ ───⬥──
 TREBLE     ◂ 00 ▸ ───⬥──
 BALANCE    ◂ 00 ▸ ───⬥──
 MTS            STEREO SAP MONO

 RESET
▾ NEXT PAGE
⬍ SELECT ◂▸ OPERATE    MENU EXIT
```
SOUND ADJUST
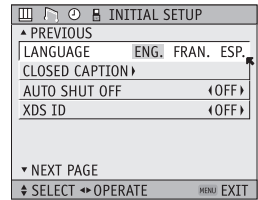
```
╓ ╥ ⌂ ⏱ ⌘ INITIAL SETUP
▲ PREVIOUS
 LANGUAGE      ENG. FRAN. ESP.
 CLOSED CAPTION ▸
 AUTO SHUT OFF         ◂OFF▸
 XDS ID               ◂OFF▸

▾ NEXT PAGE
⬍ SELECT ◂▸ OPERATE    MENU EXIT
```
INITIAL SETUP 03
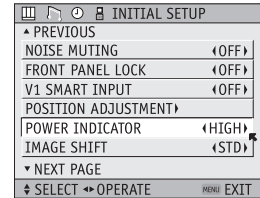
```
╓ ╥ ⌂ ⏱ ⌘ INITIAL SETUP
▲ PREVIOUS
 NOISE MUTING         ◂OFF▸
 FRONT PANEL LOCK     ◂OFF▸
 V1 SMART INPUT       ◂OFF▸
 POSITION ADJUSTMENT ▸
 POWER INDICATOR      ◂HIGH▸
 IMAGE SHIFT          ◂STD▸
▾ NEXT PAGE
⬍ SELECT ◂▸ OPERATE    MENU EXIT
```
INITIAL SETUP 02
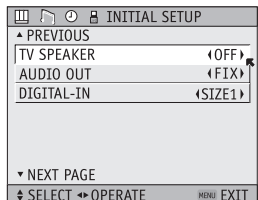
```
╓ ╥ ⌂ ⏱ ⌘ INITIAL SETUP
▲ PREVIOUS
 TV SPEAKER           ◂OFF▸
 AUDIO OUT            ◂FIX▸
 DIGITAL-IN           ◂SIZE1▸

▾ NEXT PAGE
⬍ SELECT ◂▸ OPERATE    MENU EXIT
```
INITIAL SETUP 01
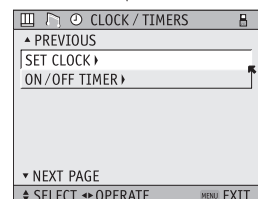
```
╓ ╥ ⏱ CLOCK / TIMERS       ⌘
▲ PREVIOUS
 SET CLOCK ▸
 ON / OFF TIMER ▸

▾ NEXT PAGE
⬍ SELECT ◂▸ OPERATE    MENU EXIT
```
CLOCK/TIMERS

Notes:

• The DIGITAL-IN menu can only be displayed when a 480p picture signal is input to the digital-in terminal and the picture is being displayed on the screen.

• When the Menu button on the TV front panel is pressed, the FRONT PANEL CONTROL menu between INITIAL SETUP 03 and PICTURE ADJUST 01 will appear.

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Auto Tuner Setup

The auto tuner setup function is described on page 25 as the interactive plug-in menu. If you need to run the auto tuner setup again, follow the steps below.

Press the MENU button

▲▼ To AUTO TUNER SETUP

◄► To operate

◄► To choose CABLE or AIR

Press the OK button to start

```
┌──────────────────────────────┐
│ 🔒 AUTO TUNER SETUP           │
│                              │
│                              │
│  TUNER MODE        ◄CABLE►   │
│                           ◥  │
│                              │
│       PRESS 🆗 TO START       │
│                              │
│ ⬍ SELECT ⬌ OPERATE  MENU EXIT│
└──────────────────────────────┘
```
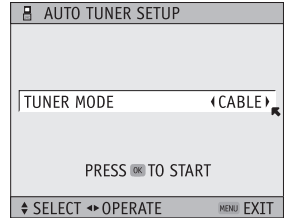
Programming will take approximately 1 to 2 minutes. The auto tuner is finished when the message **PROGRAMMING OVER!** appears onscreen.

Press the Menu button when finished

Channel Summary

Channel summary allows you to customize the line-up of channels received by your TV. You can add or delete channels from the line-up or prevent any unauthorized viewers from watching any or all 181 channels.

Press the MENU button

▲▼ To CHANNEL SUMMARY

◄► To operate

The Channel summary screen will now be displayed with the channels set to scan marked with an "✓". You can delete channels from the scan by removing the "✓". If any channels were missed during auto tuner setup and you wish to add them, you may by placing an "✓" next to the channel number.

```
┌──────────────────────────────┐
│ 🔒 CHANNEL SUMMARY            │
│                              │
│ CHNO. SCAN    🔒  CHNO. SCAN 🔒│
│  01               06  ✓      │
│  02  ✓            07  ✓      │
│  03               08         │
│  04  ✓            09  ✓      │
│  05  ✓            10         │
│                              │
│ ◄⬍► SELECT  OK OPERATE MENU EXIT│
└──────────────────────────────┘
```

▲▼ ◄► To the SCAN column

Press the OK button to include or delete from scan

Press the MENU button when finished

You can block access to a channel by activating the channel lock.

Press the MENU button

▲▼ To CHANNEL SUMMARY

◄► To operate

▲▼ ◄► To the Lock Column (🔒)

Press the ZERO button to lock or unlock that channel

Press the MENU button when finished

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Initial Setup

Channel Guard Message

When a viewer attempts to watch a guarded channel, the following message appears:

To watch a channel that you have locked, enter the Lock Code using the 10 key pad.
If the wrong code is entered, the message "INVALID LOCK CODE!" will flash on the screen.

The channel cannot be accessed until the correct code is entered.

Notes:

• Once a channel has been unlocked, it will remain unlocked until the television is turned off.

• See also "Set Lock Code", page 40.

```
THIS CHANNEL IS LOCKED BY
CHANNEL GUARD.
PLEASE ENTER LOCK CODE BY
10 KEY PAD TO UNLOCK IT.
        NO. - - - -
```

V-Chip

Your TV is equipped with V-Chip technology which enables you to block channels or content that you feel to be inappropriate for children, based on US and Canada rating guidelines. V-Chip has no effect on video signals from a DVD discs, VCR tapes or Camcorder connection.

Note: Some programs, and movies are broadcast without a ratings signal. Even if you set up V-CHIP ratings limits, these programs will not be blocked. See page 37 for information on how to block unrated programs.

Note (for Canadian viewers): The V-Chip function is based on specifications designed for the United States and therefore may not work properly in Canada.

You can customize the V-Chip settings of your television to match your personal tastes. The V-Chip menu below is the starting point for your V-Chip settings.

You can use US V-Chip settings (for programming broadcast from the United States), Canadian V-Chip settings (for programming broadcast from Canada), and movie ratings. You may use any or all of the settings (US V-Chip, Canada V-Chip, Movie ratings). Descriptions for setting each of the three V-Chip formats appear in the next six pages along with descriptions of the rating categories.

To access the rating categories:

(button)	Press the MENU button
▲▼	To V-CHIP
◄►	To operate (Lock icon 🔒 will appear)
(button)	Press ZERO to access the V-Chip menu
◄►	To turn V-Chip ON or OFF (V-Chip must be turned ON for rating settings to operate)
▲▼	To move to SET US TV RATINGS, SET MOVIE RATINGS, or SET CANADIAN RATINGS (see following pages for descriptions of each item)

```
┌─────────────────────────────────┐
│ 🔒 V-CHIP                         │
├─────────────────────────────────┤
│ V-CHIP                    ◄OFF►  │
│ SET US TV RATINGS ►              │
│ SET MOVIE RATINGS ►              │
│ SET CANADIAN RATINGS ENG ►       │
│ SET CANADIAN RATINGS FRE ►       │
│ UNRATED                  ◄VIEW►  │
│                                  │
│ ⬍ SELECT ◄►OPERATE    MENU EXIT  │
└─────────────────────────────────┘
```

34
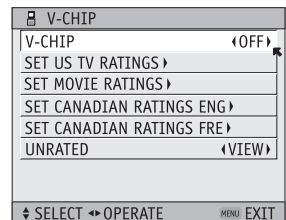
Unrated Programs

Unrated programming refers to any programming which does not contain a rating signal. Programming on television stations which do not broadcast rating signals will be placed in the "Unrated Programming" category.

Examples of Unrated programs:

- Emergency Bulletins
- News
- Public Service Announcements
- Sports
- Some Commercials

- Locally Originated Programming
- Political Programs
- Religious Programs
- Weather

Note:

- TV programs or movies that do not have rating signals will be blocked if the unrated category is set to BLOCK.

Directions to Block Unrated Programs

You can block programs that are not rated.

👆	Press the MENU button
▲▼	To V-CHIP
◀▶	To operate (The lock icon 🔒 appears)
👆	Press ZERO to access V-Chip setup options
▲▼	To UNRATED
◀▶	To VIEW or BLOCK
👆	Press MENU when done

```
 ▤ V-CHIP
 V-CHIP                    ◀OFF▶
 SET US TV RATINGS ▸
 SET MOVIE RATINGS ▸
 SET CANADIAN RATINGS ENG ▸
 SET CANADIAN RATINGS FRE ▸
 UNRATED                  ◀VIEW▶
                              ↖

 ↕ SELECT ◀▶ OPERATE    MENU EXIT
```

35
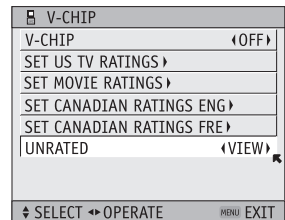
Initial Setup

US V-Chip Ratings

U.S. PARENTAL RATING SYSTEMS

Programs with the following ratings are appropriate for children.

❐ **TV Y is Appropriate for All Children**
Programs are created for very young viewers and should be suitable for all ages, including children ages 2 - 6.

❐ **TV Y7 is for Older Children**
Most parents would find such programs suitable for children 7 and above. These programs may contain some mild fantasy violence or comedic violence, which children should be able to discern from reality.

Programs with the following ratings are designed for the entire audience.

❐ **TV G stands for General Audience**
Most parents would find these programs suitable for all age groups. They contain little or no violence, no strong language, and little or no sexual dialog or situations.

❐ **TV PG Parental Guidance Suggested**
May contain some, but not much, strong language, limited violence, and some suggestive sexual dialog or situations. It is recommended that parents watch these programs first, or with their children.

❐ **TV 14 Parents Strongly Cautioned**
Programs contain some material that may be unsuitable for children under the age of 14 including possible intense violence, sexual situations, strong coarse language, or intensely suggestive dialog. Parents are cautioned against unattended viewing by children under 14.

❐ **TV MA Mature Audiences Only**
These programs are specifically for adults and may be unsuitable for anyone under 17 years of age. TV MA programs may have extensive V, S, L, or D.

Viewing Guidelines

In addition to the ratings categories explained above, information on specific kinds of content are also supplied with the V-Chip rating. These types of content may also be blocked. The content types are:

- **V/FV** is for VIOLENCE/FANTASY VIOLENCE
- **S** stands for SEXUAL CONTENT
- **L** stands for strong LANGUAGE
- **D** stands for suggestive DIALOG

Initial Setup

Setting US V-Chip Ratings

👆	Press the Menu button
▲▼	To V-CHIP
◄►	To operate (The lock icon 🔒 appears)
👆	Press Zero to access the V-Chip menu
◄►	To turn V-Chip ON or OFF
▲▼	To move to SET US TV RATINGS

```
┌─────────────────────────────────┐
│ 🔒  V-CHIP                        │
│ V-CHIP                    ◄OFF►   │
│ SET US TV RATINGS ►               │
│ SET MOVIE RATINGS ►               │
│ SET CANADIAN RATINGS ENG ►        │
│ SET CANADIAN RATINGS FRE ►        │
│ UNRATED                  ◄VIEW►   │
│                                   │
│ ↕ SELECT ◄►OPERATE    MENU EXIT   │
└─────────────────────────────────┘
```
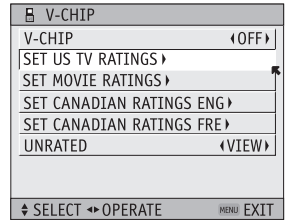
Directions to set US V-Chip Ratings

Line up the cursor in the column (TV PG, TV G, etc.) with the content row (V/FV, S, etc.) and press the ▲▼ or ◄► to move the cursor to the correct location. Press Ok to turn the locking feature on or off. An item is locked if the 🔒 icon appears instead of a "—".

For example. To block viewing of all TV 14 shows, move the cursor to the top row of that column and add a lock icon. Once you've put a lock on the top row, everything in that column is automatically locked.

▲▼ ◄►	To the TV 14 Column
👆	Press the Ok button to lock
👆	Press the Menu button when finished
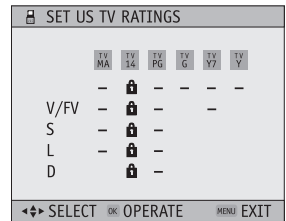
Note:

• If you want to change the setup, move the cursor to the top column and change the lock icon to "—" by pressing OK again. You may then select individual categories to block.

```
┌─────────────────────────────────┐
│ 🔒  SET US TV RATINGS             │
│         TV  TV  TV  TV  TV  TV    │
│         MA  14  PG  G   Y7  Y     │
│          —  🔒  —   —   —   —     │
│  V/FV    —  🔒  —   —              │
│  S       —  🔒  —                 │
│  L       —  🔒  —                 │
│  D          🔒  —                 │
│                                   │
│ ◄↕► SELECT  OK OPERATE  MENU EXIT │
└─────────────────────────────────┘
```

Initial Setup

Movies Ratings

❏ **NR – Not Rated**
   This is a film which has no rating. In many cases these films were imported from countries which do not use the MPAA ratings system. Other NR films may be from amateur producers who didn't intend to have their film widely released.
   NR (Not Rated) Programming may contain all types of programming including children's programming, foreign programs, or adult material.

❏ **G – General Audience**
   In the opinion of the review board, these films contain nothing in the way of sexual content, violence, or language that would be unsuitable for audiences of any age.

❏ **PG – Parental Guidance**
   Parental Guidance means the movie may contain some contents such as mild violence, some brief nudity, and strong language. The contents are not deemed intense.

❏ **PG-13 – Parents Strongly Cautioned**
   Parents with children under 13 are cautioned that the content of movies with this rating may include more explicit sexual, language, and violence content than movies rated PG.

❏ **R – Restricted**
   These films contain material that is explicit in nature and is not recommended for unsupervised children under the age of 17.

❏ **NC-17 – No One Under 17**
   These movies contain content which most parents would feel is too adult for their children to view. Content can consist of strong language, nudity, violence, and suggestive or explicit subject matter.

❏ **X – No One under 18**
   Inappropriate material for anyone under 18.

Directions to set Movie (MPAA) Ratings

👆	Press the MENU button
▲▼	To V-CHIP
◀▶	To operate (The lock icon 🔒 appears)
👆	Press ZERO to access V-Chip setup options
▲▼	To SET MOVIE RATINGS
◀▶	To enter movies menu

For example:

To block viewing of X and NC-17 rated from shows:

▲▼ ◀▶	To the X Column
👆	Press the OK button to lock
▲▼ ◀▶	To the NC-17 Column
👆	Press the OK button to lock
👆	Press the MENU button to finish

```
┌─────────────────────────────┐
│ 🔒 SET MOVIE RATINGS         │
│                             │
│                             │
│    X  X:17 R  P:13 PG  G     │
│    🔒 🔒  –  –   –   –        │
│                             │
│    NR                       │
│    –                        │
│ ◀▲▼▶ SELECT  OK OPERATE  MENU EXIT │
└─────────────────────────────┘
```

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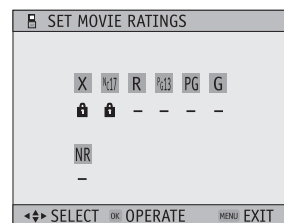
Canadian V-Chip Ratings

❒ **E – Exempt**
Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.

❒ **C – Programming Intended for Children**
Violence Guidelines: There will be no realistic scenes of violence. Depictions of aggressive behavior will be infrequent and limited to portrayals that are clearly imaginary, comedic or unrealistic in nature.

❒ **C8+ – Programming Intended for Children 8 and Over**
Violence Guidelines: Any realistic depictions of violence will be infrequent, discreet, of low intensity and will show the consequences of the acts. There will be no offensive language, nudity or sexual content.

❒ **G – General Audience**
Programming will contain little violence and will be sensitive to themes which could affect younger children.

❒ **PG – Parental Guidance**
Programming intended for a general audience, but which may not be suitable for younger children. Parents may consider some content not appropriate for children aged 8-13.

❒ **14+ – 14 Years and Older**
Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens. Programming may contain mature themes and scenes of intense violence.

❒ **18+ – Adult**
Material intended for mature audiences only.

Directions to set Canadian V-Chip Ratings

🖑	Press the MENU button
▲▼	To V-CHIP
◄►	To operate (The lock icon 🔒 appears)
🖑	Press ZERO to access V-Chip setup options
▲▼	To SET CANADIAN RATINGS ENG (for English)
◄►	To enter ratings menu

For example:

To block viewing of programming rated 14+ and 18+:

◄►	To the 18+ Column
🖑	Press the OK button to lock
◄►	To the 14+ Column
🖑	Press the OK button to lock
	Press the MENU button to finish
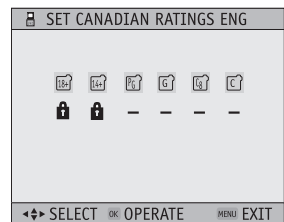
Note:

• For instructions on "SET CANADIAN RATINGS FRE (in French)", please see page 39 in the French side of this user's guide.

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Initial Setup

Set Lock Code

Channel guard and V-Chip settings are protected by a four-digit lock code. Your TV comes pre-set with a lock code of "0000". You may change the code to any four-digit number you wish. To change the lock code, follow the steps below.

🖐	Press the MENU button
▲▼	To SET LOCK CODE
◄►	To operate (The lock icon 🔒 appears)
🖐	Press ZERO to access the lock code

```
┌─────────────────────────────┐
│ 🔒  SET LOCK CODE            │
│ ─────────────────────────── │
│ │LOCK CODE          0000  ↖│ │
│                             │
│                             │
│         PRESS 🆗 TO FINISH  │
│ ⬍ SELECT ◄► OPERATE  MENU EXIT│
└─────────────────────────────┘
```
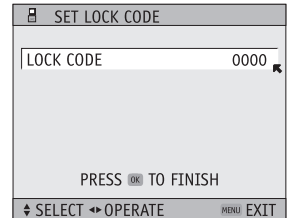
The first digit will be highlighted

◄►	To select the number
▲▼	To move to the next digit

Continue to follow these directions for all four numbers

🖐	Press the OK button to finish (your lock code is now set)
🖐	Press the Menu button when finished

When a viewer attempts to watch a blocked channel, this message appears:

```
┌─────────────────────────────┐
│ THIS PROGRAMMING EXCEEDS     │
│ YOUR RATING LIMITS.          │
│ PLEASE ENTER LOCK CODE BY    │
│ 10 KEY PAD TO UNLOCK IT.     │
│        NO. - - - -           │
└─────────────────────────────┘
```

The channel will remain blocked until the correct lock code is entered (see above for information on setting your lock code).

Notes:

• After a power interruption you must reset the lock code.

• Write your lock code number down and keep it hidden from potential viewers.

• If you forget the lock code, a new code may be set using the steps listed above.

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Initial Setup

Auto Demo

This function lets you preview the many different viewing modes of your TV. It will cycle through "index", "split demo", "freeze", all of the different "aspect" ratios and all of the different "video status" modes.

Press the MENU button

▲▼   To AUTO DEMO

◄►   To turn AUTO DEMO ON or OFF

Notes:

• Auto demo starts 2 seconds after it is set to ON.
• To stop auto demo, press the MENU button, and select auto demo by pressing the ▲▼ buttons, and turn it off by pressing the ◄► buttons. Press the MENU button to finish.

```
▥ ⌐ ⏱ ⊟  INITIAL SETUP
▲ PREVIOUS
 AUTO TUNER SETUP▶
 CHANNEL SUMMARY▶
 V-CHIP▶
 SET LOCK CODE▶
 AUTO DEMO              ◀OFF▶

▼ NEXT PAGE
⬍ SELECT ↔ OPERATE     MENU EXIT
```
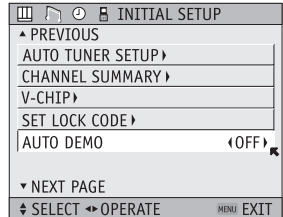
Power Indicator

Power indicator allows you to adjust the brightness of the power indicator.

Press the MENU button

▲▼   To POWER INDICATOR

◄►   To adjust POWER INDICATOR LOW, HIGH or OFF

```
▥ ⌐ ⏱ ⊟  INITIAL SETUP
▲ PREVIOUS
 NOISE MUTING          ◀OFF▶
 FRONT PANEL LOCK      ◀OFF▶
 V1 SMART INPUT        ◀OFF▶
 POSITION ADJUSTMENT▶
 POWER INDICATOR       ◀HIGH▶
 IMAGE SHIFT           ◀STD▶
▼ NEXT PAGE
⬍ SELECT ↔ OPERATE     MENU EXIT
```
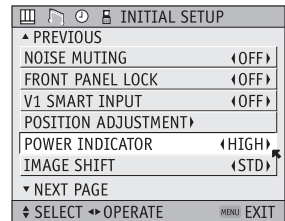
Position Adjustment

Position adjustment allows you to adjust the position of the picture on the screen vertically when the aspect is set to panorama, cinema, or full.

Press the MENU button

▲▼   To POSITION ADJUSTMENT

◄►   To enter

▲▼ ◄►   To adjust the position

Press the MENU button to finish

```
                ▲




                ▼
◀⬍▶ OPERATE   OK RESET   MENU EXIT
```
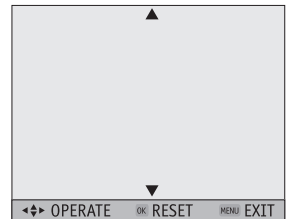
Notes:

• To reset the adjustment to the center, press the OK button.
• When the arrow disappears, while you are adjusting the position, the position is at its maximum limit.
• If you select regular size with aspect or Multi Screen, position adjustment option is not seen.
• When you change the screen size, perform the position adjustment again.
• Position adjustment allows you to adjust the screen position vertically and horizontally when the aspect is set HD panorama or cinema zoom for 1080i signal.

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Initial Setup

Digital-In

The DIGITAL-IN option can only be displayed in the INITIAL SETUP menu when a 480p picture signal is being input to the DIGITAL-IN terminal.

This option adjusts the position when a 480p picture signal is being displayed on the screen.

There are two types of 480p picture signals: 640x480 and 720x480. If the displayed picture is slightly shifted, the position can be adjusted by selecting either SIZE1 or SIZE2.

🖐	Press the Menu button	
▲▼	To DIGITAL-IN	
◄►	To enter	
◄►	To select SIZE1 or SIZE2	
🖐	Press the Menu button to finish	

```
▥ ▭ ⏲ 🔒 INITIAL SETUP
▲ PREVIOUS
TV SPEAKER            ◄OFF►
AUDIO OUT             ◄FIX►
DIGITAL-IN           ◄SIZE1►↖

▼ NEXT PAGE
⬍ SELECT ◄► OPERATE      MENU EXIT
```
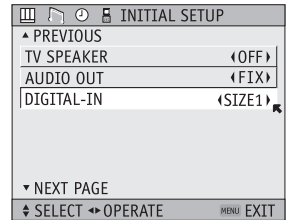
Note:
The DIGITAL-IN menu can only be displayed when a 480p picture signal is input to the Digital-In terminal and the picture is being displayed on the screen.

TV Speaker

If your TV is connected to a stereo system, you can turn off the TV speakers and listen to the audio through your stereo.

🖐	Press the Menu button
▲▼	To TV SPEAKER
◄►	To turn the TV's speakers ON or OFF
🖐	Press the MENU button when finished

```
▥ ▭ ⏲ 🔒 INITIAL SETUP
▲ PREVIOUS
TV SPEAKER            ◄OFF►↖
AUDIO OUT             ◄FIX►
DIGITAL-IN           ◄SIZE1►

▼ NEXT PAGE
⬍ SELECT ◄► OPERATE      MENU EXIT
```
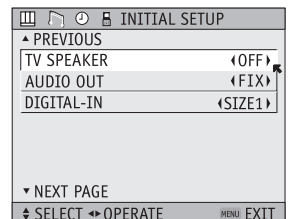
Notes:

• Before you turn the TV speaker setting from OFF to ON, **make sure that the TV volume level is low!** If the TV volume is set too high, the sound level will be extremely loud.
• After a power interruption, the TV speaker settings will return to "ON".

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Initial Setup

Audio Out

If your television is connected to an external speaker source, audio out gives you the option of controlling the volume level with your TV's remote control.

Press the MENU button

▲▼ To AUDIO OUT

◄► To VARI or FIX

Press the MENU button when finished

VARI: Lets you adjust the volume of the external speakers using the VOLUME +/– buttons on your TV's remote control.

FIX: The volume of the external speakers is adjusted using the audio device's remote control.
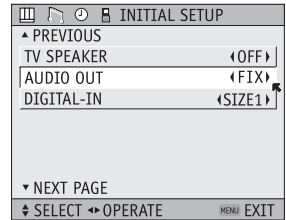
```
▦ ▤ ⏲ ⛃ INITIAL SETUP
▲ PREVIOUS
TV SPEAKER              ◄OFF►
AUDIO OUT               ◄FIX►
DIGITAL-IN              ◄SIZE1►


▼ NEXT PAGE
⬍ SELECT ◄► OPERATE    MENU EXIT
```

Image Shift

The picture displayed on the screen is shifted up, down and to the left and right at regular intervals. In order to prevent burn-in, set this function to FAST or STANDARD.

Press the MENU button

▲▼ To IMAGE SHIFT

◄► To select the mode "STD (STANDARD)", "FAST" or "OFF"

Press the MENU button when finished
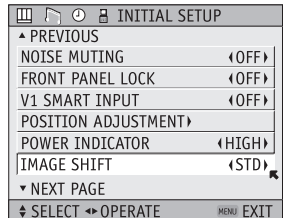
OFF: IMAGE SHIFT is turned off.

STD: The picture is shifted every 30 minutes.

FAST: The picture is shifted every 10 minutes.

```
▦ ▤ ⏲ ⛃ INITIAL SETUP
▲ PREVIOUS
NOISE MUTING            ◄OFF►
FRONT PANEL LOCK        ◄OFF►
V1 SMART INPUT          ◄OFF►
POSITION ADJUSTMENT►
POWER INDICATOR         ◄HIGH►
IMAGE SHIFT             ◄STD►
▼ NEXT PAGE
⬍ SELECT ◄► OPERATE    MENU EXIT
```

Language

The language function is described on page 23 as the interactive plug-in menu. If you need to choose the language again, follow the steps below.

Press the Menu button

▲▼ To LANGUAGE

◄► To choose a language: ENG. (English), FRAN. (French) or ESP. (Spanish)

Press the MENU button when finished

```
▦ ▤ ⏲ ⛃ INITIAL SETUP
▲ PREVIOUS
LANGUAGE        ENG. FRAN. ESP.
CLOSED CAPTION►
AUTO SHUT OFF           ◄OFF►
XDS ID                  ◄OFF►


▼ NEXT PAGE
⬍ SELECT ◄► OPERATE    MENU EXIT
```

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Initial Setup

Closed Caption

Many broadcasts now include an onscreen display of dialog called closed captions. Some broadcasts may also include displays of additional information in text form. Your television can access and display this information using the closed caption feature. To activate the closed caption feature, follow the steps below.

👆	Press the MENU button	
▲▼	To CLOSED CAPTION	
◄►	To operate	
▲▼	To select CAPTION or TEXT	
◄►	To select a caption (CC1 to CC4) or text channel (T1 to T4)	
👆	Press the OK button to save	
👆	Press the MENU button when finished	

```
┌─────────────────────────────┐
│ Ⅲ CLOSED CAPTION            │
│ ┌─────────────────────────┐ │
│ │ CAPTION          ◄CC1►  │ │
│ │ TEXT             ◄T1►   │ │
│ └─────────────────────────┘ │
│                             │
│        PRESS ⊙ TO FINISH    │
│ ↕ SELECT ◄►OPERATE  MENU EXIT│
└─────────────────────────────┘
```
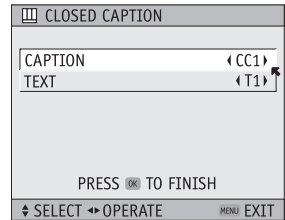
Notes:

• Closed caption subtitles are usually found on closed caption channel CC1. Some programs may include additional text information which is usually found on text channel T1. The other channels are available for future use.

• Closed captioning may not work correctly if the signal being received is weak or if you are playing a video tape.

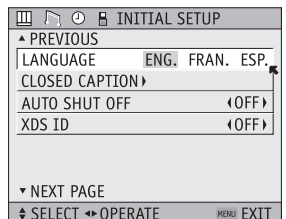• Most broadcasts containing closed captioning will display a notice at the start of the program.

• To select the mode, press the C.C. button. See page 59.

Noise Muting

This feature inserts a blank gray screen over channels which are not broadcasting or are too weak to be received clearly.

👆	Press the MENU button
▲▼	To NOISE MUTING
◄►	To turn noise muting ON or OFF
👆	Press the MENU button when finished

```
┌─────────────────────────────┐
│ Ⅲ ▷ ⏱ 🔒 INITIAL SETUP     │
│ ▲ PREVIOUS                  │
│ NOISE MUTING        ◄OFF►   │
│ FRONT PANEL LOCK    ◄OFF►   │
│ V1 SMART INPUT      ◄OFF►   │
│ POSITION ADJUSTMENT►        │
│ POWER INDICATOR     ◄HIGH►  │
│ IMAGE SHIFT         ◄STD►   │
│ ▼ NEXT PAGE                 │
│ ↕ SELECT ◄►OPERATE  MENU EXIT│
└─────────────────────────────┘
```
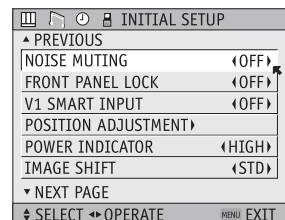
Note:

• Noise muting will not work during auto tuner setup or when you operate channel summary.

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Front Panel Lock

This allows you to lock the keys on the front of the TV, so that a child may not accidentally change your viewing preferences.

Press the MENU button

▲▼   To FRONT PANEL LOCK

◄►   To turn ON or OFF

Press the MENU button when finished

```
⊞ ⌐ ⌚ ⊟  INITIAL SETUP
  ▲ PREVIOUS
  NOISE MUTING           ◄OFF►
  FRONT PANEL LOCK       ◄OFF►
  V1 SMART INPUT         ◄OFF►
  POSITION ADJUSTMENT►
  POWER INDICATOR        ◄HIGH►
  IMAGE SHIFT            ◄STD►
  ▼ NEXT PAGE
  ◆ SELECT ◄►OPERATE     MENU EXIT
```

You can turn off this feature in the following ways:

• Unplug the power cord, and plug it back in. Do this if your batteries die, or you lose your remote control.

• Use the remote control.

• Press the MENU button on the front of the TV for more than 3 seconds. In this case, the OSD for FRONT PANEL LOCK will appear.

Note:

• To turn ON/OFF the TV, press the power button for more than 3 seconds. This feature will remain ON.

V1 Smart Input

This feature is used if you have connected an AV Receiver to your television. By turning this feature on, your television can automatically detect the signal source from your components that are connected to your AV Receiver. Refer to page 22 for how to connect an AV receiver to your television.

Press the MENU button

▲▼   To V1 SMART INPUT

◄►   To turn ON or OFF

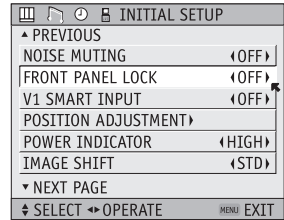Press the MENU button when finished

```
⊞ ⌐ ⌚ ⊟  INITIAL SETUP
  ▲ PREVIOUS
  NOISE MUTING           ◄OFF►
  FRONT PANEL LOCK       ◄OFF►
  V1 SMART INPUT         ◄OFF►
  POSITION ADJUSTMENT►
  POWER INDICATOR        ◄HIGH►
  IMAGE SHIFT            ◄STD►
  ▼ NEXT PAGE
  ◆ SELECT ◄►OPERATE     MENU EXIT
```
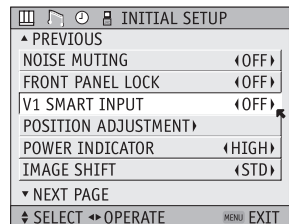
Notes:

• If you do not have an AV Receiver connected to your television, turn this feature OFF. By doing so, you can take advantage of using AV CompuLink components with your television.

• Some AV Receivers may not work with this function.

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Initial Setup

Auto Shut Off

This function automatically shuts off your TV when there is no signal from the channel the TV is on.

[hand]   Press the MENU button

▲▼   To AUTO SHUT OFF

◄►   To turn ON or OFF

[hand]   Press the MENU button when finished

• If the channel that you have on does not receive a signal for more than one minute, the blinking text "NOT RECEIVING A SIGNAL" appears on the screen, and starts the countdown. If no signal is being received within 10 minutes, the TV shuts itself off.

```
▥ ▧ ⊙ ▤  INITIAL SETUP
▲ PREVIOUS
  LANGUAGE        ENG. FRAN. ESP.
  CLOSED CAPTION▸
  AUTO SHUT OFF              ◄OFF▸
  XDS ID                    ◄OFF▸

▾ NEXT PAGE
 SELECT ◄▸OPERATE      MENU EXIT
```
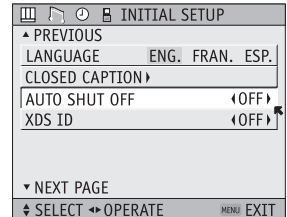
XDS ID

XDS ID Display provides a channel's call letters, the network's name, and even a program name. The XDS ID information is provided by the broadcaster.

[hand]   Press the MENU button

▲▼   To XDS ID

◄►   To turn ON or OFF

[hand]   Press the MENU button when finished

```
▥ ▧ ⊙ ▤  INITIAL SETUP
▲ PREVIOUS
  LANGUAGE        ENG. FRAN. ESP.
  CLOSED CAPTION▸
  AUTO SHUT OFF              ◄OFF▸
  XDS ID                    ◄OFF▸

▾ NEXT PAGE
 SELECT ◄▸OPERATE      MENU EXIT
```

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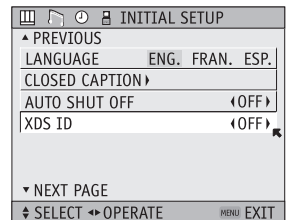
Picture Adjust

Picture Settings

These settings allow you to change and adjust the way the picture appears on your television.

TINT
Tint allows you to adjust the levels of red and green in your TV picture.

COLOR
The color function lets you make all the colors in the TV picture appear either more vivid or subtle.

PICTURE
Picture allows you to adjust the levels of black and white on the TV screen, giving you a darker or brighter picture overall.

BRIGHT
You can adjust the overall brightness of the TV picture with the Bright control.

DETAIL
The Detail feature adjusts the level of fine detail displayed in the picture.

Adjust the Picture Settings

Press the MENU button

▲▼   To TINT, COLOR, PICTURE, BRIGHT or DETAIL

◀ ▶   To enter
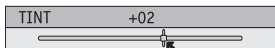
```
TINT            +02
```

◀ ▶   To adjust the setting

▲▼   To move to the next setting

Press the MENU button when finished

```
PICTURE ADJUST
▲ PREVIOUS          STANDARD
TINT        ◀ 00 ▶
COLOR       ◀ 00 ▶
PICTURE     ◀ 00 ▶
BRIGHT      ◀ 00 ▶
DETAIL      ◀ 00 ▶
COLOR TEMPERATURE        ◀LOW▶
▼ NEXT PAGE
↕ SELECT ◀▶OPERATE       MENU EXIT
```
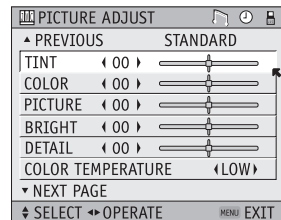
Color Temperature

You can decide how strong or dull the colors appear on the TV screen.

Press the MENU button

▲▼   To COLOR TEMPERATURE

◀▶   To enter

```
COLOR TEMPERATURE    LOW  HIGH
```

◀▶   To set LOW or HIGH

Press the MENU button when finished

```
PICTURE ADJUST
▲ PREVIOUS          STANDARD
TINT        ◀ 00 ▶
COLOR       ◀ 00 ▶
PICTURE     ◀ 00 ▶
BRIGHT      ◀ 00 ▶
DETAIL      ◀ 00 ▶
COLOR TEMPERATURE        ◀LOW▶
▼ NEXT PAGE
↕ SELECT ◀▶OPERATE       MENU EXIT
```

47
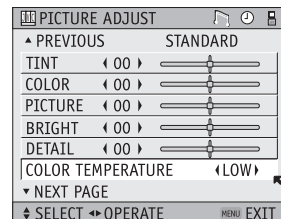
Picture Adjust

Digital Noise Clear

With digital noise clear, this helps take our static or noise from a channel that may not be coming in clearly.

Press the MENU button

▲▼ To DIG. NOISE CLEAR

◀▶ To enter

▲▼ To select the mode "LOW", "HIGH" or "OFF"

Press the MENU button when finished

```
DIG. NOISE CLEAR
            OFF
            LOW
           HIGH
```

Color Management

This TV supports the COLOR MANAGEMENT function to ensure dull colors are compensated to produce natural hues.

Press the MENU button

▲▼ To COLOR MANAGEMENT

◀▶ To enter

▲▼ To select the mode "VIVD", "STD" or "OFF"

Press the MENU button when finished

```
COLOR MANAGEMENT
           VIVID
             STD
             OFF
```

Burn-in Image Reducer

When burn-in is minimal, burn-in and residual images may be softened with the BURN-IN IMAGE REDUCER function.

Press the MENU button

▲▼ To BURN-IN IMAGE REDUCER

◀▶ To enter

```
REDUCING BURN-IN.  PLEASE WAIT
```

Burn-in will be reduced by displaying snow on the screen for approximately 55 seconds, and white for approximately 5 seconds in sequence. Leave the television in this state for some time (more than a few hours).

Push the MENU button to bring back to the normal screen.

Reset

Reset resets all picture adjustments (tint, color, picture, bright, detail, color temperature, dig. noise clear and color management) at once to the default settings.

Press the MENU button

▲▼ To RESET

◀▶ To enter

The onscreen menu disappears for a moment, and then the settings are reset to the default setting for all the picture adjustments.

Press the MENU button when finished

```
PICTURE ADJUST        🕒 
▲ PREVIOUS        STANDARD
DIG. NOISE CLEAR▶        OFF
COLOR MANAGEMENT▶       VIVID
BURN-IN IMAGE REDUCER▶


RESET
▼ NEXT PAGE
⬍ SELECT ◀▶ OPERATE   MENU EXIT
```

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Sound Adjust

Sound Settings

These settings allow you to change and adjust the way the picture appears on your television.

BASS – You can increase or decrease the level of low-frequency sound in the TV's audio with the bass adjustment.

TREBLE – Use treble to adjust the level of high-frequency sound in your TV's audio.

BALANCE – Adjust the level of sound between the TV's left and right speakers with the balance setting.

Adjust the Sound Settings
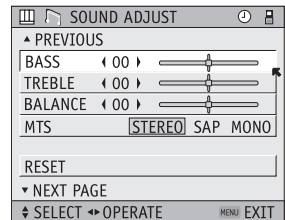
Press the MENU button

▲▼ To BASS, TREBLE or BALANCE

◄► To adjust the setting

▲▼ To move to the next setting

Press the MENU button when finished

```
┌─────────────────────────────┐
│ ▥ ▭  SOUND ADJUST    ⊙  ▤   │
│ ▲ PREVIOUS                   │
│ BASS      ◄ 00 ►  ═══╪═══    │
│ TREBLE    ◄ 00 ►  ═══╪═══    │
│ BALANCE   ◄ 00 ►  ═══╪═══    │
│ MTS           STEREO SAP MONO│
│                              │
│ RESET                        │
│ ▼ NEXT PAGE                  │
│ ⇕ SELECT ◄►OPERATE   MENU EXIT│
└─────────────────────────────┘
```

Notes:

• You can reset the sound adjustments (BASS, TREBLE and BALANCE) you set at once as the default setting when you select reset. See page 48.
• You can adjust BALANCE only when A.H.S. is off. See page 55.

MTS (Multi-Channel Television Sound)

MTS technology allows several audio signals to be broadcast at once, giving you a choice in what you wish to hear with a TV program. In addition to mono or stereo sound, an MTS broadcast may also include a second audio program (SAP)**.**
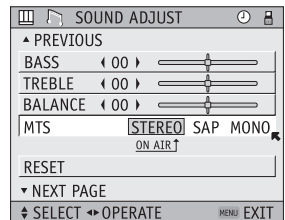
Press the MENU button

▲▼ To MTS

◄► Select the mode

(The ON AIR arrow tells you if a broadcast is in stereo and/or contains an SAP).

Press the MENU button when finished

```
┌─────────────────────────────┐
│ ▥ ▭  SOUND ADJUST    ⊙  ▤   │
│ ▲ PREVIOUS                   │
│ BASS      ◄ 00 ►  ═══╪═══    │
│ TREBLE    ◄ 00 ►  ═══╪═══    │
│ BALANCE   ◄ 00 ►  ═══╪═══    │
│ MTS           STEREO SAP MONO│
│                  ON AIR↑     │
│ RESET                        │
│ ▼ NEXT PAGE                  │
│ ⇕ SELECT ◄►OPERATE   MENU EXIT│
└─────────────────────────────┘
```

Notes:

• Keep the TV in stereo mode to get the best sound quality. The sound will work in stereo mode even if a certain broadcast is in mono sound only.

• Choose the mono setting to reduce excessive noise on a certain channel or broadcast.

• Selecting SAP will allow you to hear an alternative soundtrack, if one is available.

• MTS unavailable if your television's input source is in input 1, 2, 3 or 4 mode, as described on page 54.

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Clock/Timers

Set Clock

The set clock function is described on page 26 as the interactive plug-in menu. You can choose to set the clock automatically, or manually. If you need to set the clock again, follow the steps below.

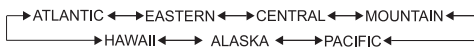Press the MENU button

▲▼ To SET CLOCK

◄► To operate

When you set the clock automatically, choose AUTO by pressing the ◄ or ► arrows.

▲▼ To TIME ZONE

◄► To select your time zone

→ATLANTIC ←→EASTERN ←→CENTRAL ←→MOUNTAIN ←
→HAWAII ←→ ALASKA ←→PACIFIC ←

▲▼ To D.S.T. (daylight savings time)

◄► To turn D.S.T. ON or OFF

Press OK to finish

Press the MENU button when finished

```
⊙  SET CLOCK

MODE                    ◄AUTO►

TIME ZONE            ◄ATLANTIC►
D.S.T                     ◄OFF►

        PRESS OK TO FINISH
⬍ SELECT ◄► OPERATE      MENU EXIT
```
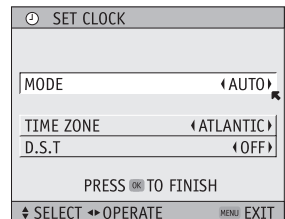
When you set the clock manually, choose MANUAL by pressing the ◄ or ► arrows.

▲▼ To move to the hour

◄► To set the hour

▲▼ To move to minutes

◄► To set the minutes

Press OK to start clock

THANK YOU !!

Press the MENU button when finished

```
⊙  SET CLOCK


MODE                  ◄MANUAL►
TIME                   -- : -- --


     PRESS OK TO START CLOCK
⬍ SELECT ◄► OPERATE      MENU EXIT
```

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Clock/Timers
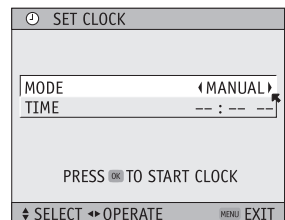
On/Off Timer

The on/off timer lets you program your television to turn itself on or off. You can use it as an alarm to wake up, to help you remember important programs, or as a decoy when you're not home.

🖰	Press the MENU button	
▲▼	To ON/OFF TIMER	
◀▶	To operate (begins with ON TIME)	
◀▶	To set the hour (AM/PM) you want the TV to turn on	
▼	To move to minutes	
◀▶	To set the minutes	
▼	To accept ON TIME and move to OFF TIME (the time the TV will turn off). Set the OFF TIME the same way as ON TIME	
▼	To accept OFF TIME and move to CHANNEL	
◀▶	To select channel	
▼	To ON VOLUME	
◀▶	To set the volume level	
▼	To move to MODE	
◀▶	Choose ONCE or EVERYDAY	
▼	To ON/OFF TIMER	
◀▶	Choose YES to accept the timer setting, choose NO if you don't wish to accept	
🖰	Press the OK button to finish	
🖰	Press the MENU button to exit the menu	

On-screen display:

🕐 ON/OFF TIMER	
ON TIME	7:00 PM
OFF TIME	10:00 PM
CHANNEL	03
ON VOLUME	CURRENT
MODE	◀EVERYDAY▶
ON/OFF TIMER	◀NO▶
PRESS OK TO FINISH	
⬍SELECT ◀▶OPERATE	MENU EXIT

Notes:

• The on/off time cannot be set to locked or guarded channels.

• In order for the on/off timer to work, the clock must be set.

• After a power interruption, the timer settings must be reset.

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Button Functions

Multi Screen Function

Your television has two kinds of screen: SPLIT (2 channels) and INDEX (12 channels).

Note: After you press any multiscreen button, if you press the menu button, only the picture adjust screen will appear.

Split

Activate the split-screen option by pressing SPLIT on the remote control.

A channel and input will now appear onscreen. The channel (or input) you were watching before pressing SPLIT will appear on the left, the input will appear on the right. The sound will continue to come from the main screen channel (or input). To turn split-screen off and return to normal television viewing, press SPLIT again or press the BACK button.

07	V-1
MAIN CHANNEL PICTURE	SPLIT-SCREEN PICTURE
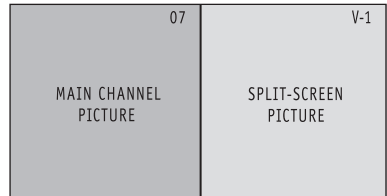
Notes:

• You can enter the SPLIT mode when the screen is in NORMAL or INDEX mode.

• Split-screen functions will not work with locked channels or channels blocked by V-Chip ratings limits. A grey screen will display instead.

• With split screen, the picture from the component terminal and HDCP terminal will not be displayed.

• The aspect of MAIN CHANNEL PICTURE becomes 16:9 when you input the picture of 480p, 720p and 1080i from the component terminal and HDCP terminal.

• After you press the Select button, and select SPLIT SCREEN when you press the OK button, select normal screen. If you don't operate, the MAIN CHANNEL SCREEN will be automatically selected about 8 seconds later.

• Main channel picture and split-screen will not display the same RF channel and same input.

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Button Functions

Index

This allows you to quickly look at up to 12 channels at a time so that you can decide which one to watch.

1	2	3	4
5	6	7	8
9	10	11	12

Notes:

• Only RF input signal will be displayed.

• You can watch the channel added in channel summary. See page 33.

Freeze

Pressing the FREEZE button causes the screen to change to the split-screen display with the still picture displayed on the right. In order to return to the normal display, press the FREEZE button once again.

Note: When the screen is in freeze mode, if you do not operate it within 15 minutes, this function will cancel out.

Swap

You can exchange the channel (or input) displayed in the split screen window for the main screen image by pressing the SWAP button.

Note: It will only work in SPLIT mode.

Select

With SELECT, you can select the picture (channel) while viewing SPLIT screen. When you press SELECT button, the channel number on the top will be highlighted. Each press of SELECT will shift the channel.

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Button Functions

Power

Turns the TV on or off.

⌲   Press the POWER button

Number Buttons - 10Key Pad

Use the number buttons on the remote control to move directly to a specific channel. For example, to move to channel 7:

⌲   0 (Zero)

⌲   7 (Seven)

100+ Button

Use the 100+ button to directly access channels above channel 99. For example, to move to channel 124, press 100+, 2 (Two), 4 (Four).

Input

Selects the signal input source for the television: Input-1, 2, 3 or 4 for video devices like VCR's DVD players, or camcorders.

⌲   INPUT 1, 2, 3, 4

Note:

• When you return to TV mode, press the RETURN +/TV button or direct 10 key pad.

Digital-In

Use this button to directly select the digital-in input.

⌲   Press the DIGITAL-IN button

• Digital-In will display only when the 480p picture signal in Digital-In is displayed.

Button Functions

Return +/TV

The return+/TV button has three functions:

Return - Returns to the channel viewed just before the channel currently onscreen.

Return+ - Lets you program a specific channel to return to while scanning through the channels using the CH+ and CH– buttons.

TV - Returns to the TV mode.

RETURN+/TV and hold for three seconds

```
        RETURN CHANNEL
        PROGRAMMED !
```

The channel currently active has been programmed as your return+ channel.

Now scan through the channels using the CHANNEL+/– buttons.

RETURN+/TV

You will return to your programmed channel.

• To cancel your return+ channel, press and hold the RETURN+ button for three seconds. The message "RETURN CHANNEL CANCELLED!" will appear.

• Return+ works only with the Channel+/– buttons. Pressing any number key will cancel return+.

Sound

By pressing the sound button, you can change the A.H.S. (Advanced Hyper Surround) mode, BBE and A.H.B. (Active Hyper Bass) mode.

A.H.S. - Adds a more spacious surround sound. Music gives basic effect and movie for more effect.

BBE - BBE high definition audio adds natural, clear and extraordinary sound quality to any program.

A.H.B. - You can reinforce the bass sound to maintain rich, full bass at low volumes, and enjoy a clear sound with boosted bass.

Press the SOUND button	
▲▼	To select A.H.S., BBE or A.H.B.
◄►	To choose the setting
Press the MENU when finished	

```
SOUND EFFECT

A.H.S.        MOVIE  MUSIC  OFF
BBE                    ON OFF
A.H.B.                 ON OFF

⬍ SELECT ↔ OPERATE         MENU EXIT
```

Note: BBE is a registered trademark of BBE Sound, Inc. For U.S., licensed from BBE Sound, Inc. under USP 4638258, 4482866 and 5510572. For Canada, licensed from BBE Sound, Inc. BBE is a registered trademark of BBE Sound, Inc.

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Button Functions

Muting

The MUTING button instantly turns the volume down completely when you press it. Press MUTING and the volume level will instantly go to zero. To restore the volume to its previous level, press MUTING again.

Video Status

The VIDEO status button gives you a choice of four TV picture display settings, including a display of your own preferences.

Standard - Resets the picture display to the standard settings.

Dynamic - Gives a vivid picture with better contrast when viewing in a brightly lit room.

Theater - Gives a rich, film-like look to video when viewing in a dimly lit room.

Game - Used for when you are playing video games connected to your TV.

VIDEO STATUS
STANDARD
DYNAMIC
THEATER
GAME

Press the VIDEO STATUS button

By every press of the VIDEO STATUS button, you change the mode.

Notes:

- You can also change the mode by pressing the ▲▼ buttons.
- The VIDEO STATUS function is initially set to DYNAMIC. Unless the TV is being watched in an extremely bright room, it is recommended to change the VIDEO STATUS setting to standard, theater or game. Doing so will reduce the chance of PDP burn-in and extend the life of the PDP.

Natural Cinema

Natural cinema corrects the problem of blurred edges which may occur when viewing a program originally shot on film (such as motion pictures) or animation. If you notice blurring at the edges of these programs, press NATURAL CINEMA and set it to AUTO. Natural Cinema helps correct conversion errors that occur when film, which is shot at 24 frames-per-second, is broadcast at the television rate of 30 frames-per-second.

Press the NATURAL CINEMA button

NATURAL CINEMA
AUTO
ON
OFF

Note: The natural cinema mode is automatically set to "AUTO" in the following cases:

- Turning on or off
- Changing the channel or input mode
- Using multi-screen functions

TheaterPro D6500K

The TheaterPro D6500K color temperature technology function makes sure that the video you watch is set to the standard color temperature, so that what you see is as true to what the film to video editors intended it to be.

Press the THEATERPRO button

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Sleep Timer

The Sleep Timer can turn the TV off for you after you fall asleep. Program it to work in intervals of 15 minutes, for a total time of up to 180 minutes.

Press the SLEEP TIMER button

→ 0 15 30 45 60 75 90 105 120 135 150 165 180 →

Sleep Timer Message

20 seconds before the automatic shutoff, this message will appear:

> GOOD NIGHT!!
>
> PUSH SLEEP TIMER BUTTON
>
> TO EXTEND.

You then have 20 seconds to press the SLEEP TIMER button to delay the shut off for another 15 minutes.

Display

The display screen shows the current status of timers, inputs, and XDS ID.

Press the DISPLAY button

The screen to the right shows the following information:

- The current channel or AV input (Channel 05)
- The current time (12:20 pm)
- Sleep timer status/minutes remaining (The Sleep Timer is off)
- On/off timer status (Set to turn on everyday at 7:00 PM, off at 10:00 PM)
- Each Press of the DISPLAY button changes the display mode:

```
05  KLVX PBS
SESAME STREET
 NOW                12:20 PM
SLEEP TIMER              OFF
ON/OFF TIMER        EVERYDAY
  ON TIME            7:00 PM
  OFF TIME          10:00 PM
```

→ Display → Time → Channel → Off →

Display - Full screen shown above

Time - Shows the current time only

Channel - Shows the current channel

Off - Turns display off

Notes:

- You may also turn off the display at any step by pressing MENU.

- If the clock, sleep timer or on/off timer are not set, the display screen will show: "CLOCK NOT SET", "SLEEP TIMER OFF", and "ON/OFF TIMER OFF" respectively.
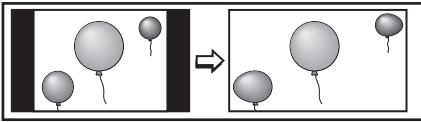
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Button Functions

Aspect

This feature will help you adjust the picture you are watching to give you the best possible picture quality.
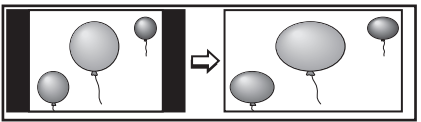
Aspect Ratios

PANORAMA - With this ratio a normal 4:3 aspect picture is stretched to fit the dimensions of the 16:9 aspect screen.
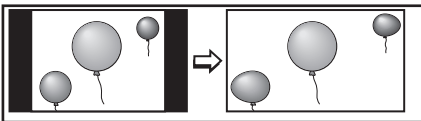

CINEMA - This ratio "zooms in" on the center part of a 4:3 aspect picture, blowing it up to fill the 16:9 screen.
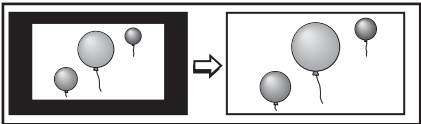

FULL - This is the ratio to use when watching 16:9 High-Definition broadcasts.

HD PANORAMA - This ratio streches the High-Definition 16:9 aspect image to eliminate the black side bars.

REGULAR - The regular ratio is used when you want to watch a 4:3 broadcast or recorded program without modifying the original picture to fit the dimensions of your 16:9 screen. The 4:3 picture will fil lthe screen from top to bottom, while black bars will appear to fill up the remaining space along the picture's sides. The 4:3 picture will be centered within the boundaries of the 16:9 screen.
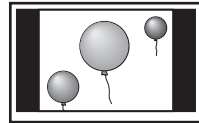
CINEMA ZOOM - This ratio streches the High-Definition 16:9 aspect image to eliminate the black surrounding bars.

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Aspect Ratios (Continued)

Press the ASPECT button

- *By pressing the ASPECT button, you can change the size.*

When you change the aspect ratios, it is different from their broadcast or recorded program.

NTSC, 480i, 480p,
HDCP 480p

ASPECT
PANORAMA
CINEMA
FULL
REGULAR

HD, HDCP 1080i

ASPECT
HD PANORAMA
CINEMA ZOOM
FULL

720P, HDCP 720p

ASPECT
FULL

Notes:

- You can also choose the size by pressing the ▲▼ buttons.
- When you change the aspect ratio or signal, reset the picture position to center.

C.C. (Closed Caption)

Use the C.C. (Closed Caption) button to select the mode of closed caption.

Press the C.C. button

- See page 46 when you set the caption/text mode.

CLOSED CAPTION
OFF
CAPTION
TEXT

Menu

The MENU button allows you to access JVC's onscreen menu system. Press MENU to activate the onscreen menu system.

- See individual topics like "Sound Adjust" for specific information on using menus.

OK

This button confirms your selection when you are in one of the onscreen menus.

Back

This button allows you to go back in the menu to change a selection or correct a mistake.

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Button Functions

TV/CATV Slide Switch

Use either the television's own tuner or a cable box to select channels. Set this switch to **TV** to operate the television's built-in tuner. Move the switch to **CATV** to operate a cable box.

Note:

• See page 28 for information on programming your remote for cable box operation.

VCR/DVD Slide Switch

You can control a VCR or DVD player with the buttons on the lower part of the remote control. Move the slide switch to **VCR** or **DVD** to operate.

Notes:

• The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 27.

• The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 28.

VCR Buttons

You can use this remote control to operate the basic functions of your VCR. These functions include: play, record, rewind, fast-forward, stop, pause, channel scan, TV/VCR, power on, and power off.

Move the selector switch to **VCR** to operate.

• The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 27.

DVD Buttons

You can also use this remote control to operate the basic functions of your DVD player. These functions include: play, rewind, fast-forward, stop, still/pause, previous/next, tray open/close, power on, and power off.

Move the selector switch to **DVD** to operate.

• The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 28.

Light

Your remote control includes illuminated buttons for key features like channel +/– and Volume +/–. Press the light button to turn the illumination on for 4 seconds.

Troubleshooting

Refer to the table below to check the condition. If you think that there is a problem, contact the JVC Service Center where you purchased the television.

PROBLEMS	CHECK
There is no power	- Check for a blown fuse or circuit breaker or a power outage. - Check that the plugs on the power cords from the TV and receiver are connected to wall outlets.
The power lamps do not light even though the TV is on	Check that POWER INDICATOR in the MENU is not set to OFF.
There is no picture or sound	- The antenna could be disconnected. - The input mode could be set improperly. See page 54. - The tuner (AUTO TUNER SETUP) could be set improperly. See page 33. - The TV station may be having difficulties. Check to see if other stations are working.
Remote control is not operating properly or at all	- Check to see that the batteries are still working and properly installed. - Make sure the remote has a clear sight path to the TV. - Check that the TV/CATV switch is in the proper position. - You may be too far from the TV. You must be within 23 feet (7 meters). - Use the remote control while pointing it at the screen.
You cannot select a certain channel	- Make sure the channels have been programmed. See "Channel Summary" on page 33. - Check to see if the channel is locked. See "Channel Summary - Lock" page 34.
The power turns off by itself	- Make sure the set did not become unplugged. - Perhaps the ON/OFF TIMER is set. See page 51. - Check to see if the Sleep Timer was set. See page 57.
It does not operate correctly	This television is operated by a microprocessor. It is possible that external noise or interference is causing the problem. If the television does not function correctly, remove the power plugs of the TV and Receiver from the wall outlets and wait a while before inserting them into the wall outlets again and operating the television.
The clock is wrong	The power was interrupted and the clock was not reset. See page 50.
The color quality is poor	- Tint and Color may be improperly adjusted. See page 47. - The VIDEO STATUS mode may be turned to the wrong setting. See page 56.
There are line across the picture	There could be interference from another electrical appliance, such as a computer, another TV or VCR. Move any such appliances further away from the TV.
The picture is spotted	There could be interference from a high-wattage appliance, like a hair dryer or vacuum, operating nearby. Move the antenna away from the appliance or change to a coaxial cable connection which is less prone to interference.

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Troubleshooting

PROBLEMS	CHECK
There are double picures (ghosts)	A building or passing airplane can reflec the original signal and produce a second, slightly delayed one. Adjust your antenna position.
Picture is snowy (image noise)	• Your antenna may be damaged, disconnected or turned. • Check the antenna connection, page 17 in Quick setup. If the antenna is damaged, replace it.
Screen is 80% black	The Closed Caption Text mode is on. Turn it off in the CLOSED CAPTION Menu, see page 59.
Stereo or bilingual programs cannot be heard	Make sure the MTS settings are correct. See "MTS" on page 49.
You hear occasional crackling sounds	It is normal for the TV to make cracking sounds when first turned on or off. Unless the sound or picture becomes abnormal, this is fine.

The following are not malfunctions.

• The television may make a creaking sound if the temperature of the room or the temperature of the inside of the television changes. If there is no problem with the screen or sound, then there is no need to worry.

• Although the picture may be temporarily disturbed and noise may be seen on the screen if the power is turned on immediately after it has been turned off, this is not a malfunction.

• If the television is used at a location above 2,000 m, a buzzing noise and image distortion may occur. This phenomenon is peculiar to PDP (Plasma Display Panel), and could occur with any television using PDP. It is not a malfunction.

Caring for the Cabinet

Normally, light dusting with a soft, non-scratching duster will keep your TV clean.

If you wish to wipe down the television, first unplug it. Then wipe gently with a soft cloth, slightly moistened with water. You can add a few drops of mild liquid detergent to the water to help remove spots of oily dirt.

DO NOT allow liquid to enter the TV through the ventilation slots.

DO NOT use strong or abrasive cleaners on the TV.

DO NOT spray liquids or cleaners directly on the TV's surface.

DO NOT rub or scrub the TV harshly. Wipe the set gently with a soft cloth.

Caring for the Screen

When it gets dirty, wipe it gently with a soft cloth.

Do not apply alcohol, organic solvents (like acetone), acidic or alkaline cleansers to the screen. These will remove the coating layer and cause discolorations.

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original retail purchase for the period shown below. ("The Warranty Period")

PARTS 1 YEAR	LABOR 1 YEAR

This limited warranty is valid only in the fifty (50) United States, The District of Columbia and Commonwealth of Puerto Rico.

WHAT WE WILL DO:

If this product is found to be defective within the warranty period, JVC will repair or replace defective parts at no charge to the original owner.
Such repair and replacement services shall be rendered during regular business hours by JVC authorized service centers. Parts used for replacement are warranted only for the remainder of this Warranty Period. Televisions with a screen size of 25 inches and larger are covered on an in-home basis.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Either contact the selling dealer (retailer) or call 1-800-252-5722 to arrange In-home service. In-home service will require clear access to the Television by the service technician.

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed. If the upper unit is removed from the lower unit by anyone other than a dealer or service facility authorized by JVC.

2. Initial installation, installation and removal from "built-in" entertainment centers and other mounting systems.

3. Operational adjustments covered in the Owner's Manual, normal maintenance, including head cleaning.

4. Damage that occurs in shipment, due to an act of God, and cosmetic damage.

5. Signal reception problems and failures due to line power surge.

6. Products used for commercial purposes (including but not limited to rental).

7. Accessories.

8. Batteries (except that Rechargeable Batteries are covered for 90 days from date of purchase).

There are no express warranties except as listed above.

Warranty

<div align="right">JVC</div>

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILTY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long the warranty lasts, so these exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary state to state.

JVC COMPANY OF AMERICA   1700 Valley Road
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http://www.jvc.com

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY. THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet.

Retain this information for future reference.

**Model No.: _____   Serial No.: _____
Purchase Date: _____   Name Of Dealer: _____**

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Authorized Service Centers

QUALITY **JVC**® SERVICE
HOW TO LOCATE YOUR JVC SERVICE CENTER
TOLL FREE: 1 (800) 537-5722
http://www.jvc.com

Dear Customer,

In order to receive the most satisfaction from your purchase, please read the instruction booklet before operating the unit. In the event that repairs are necessary, call our Customer Relations Department at 1-800-537-5722 or visit our website at **www.JVC.com**

Remember to retain your Bill of Sale for Warranty Service.

——— Don't service the television yourself ———

Caution

To prevent electrical shock, do not open the cabinet. There are no user serviceable parts inside. Please refer to qualified service personnel for repairs.

Accessories

To purchase accessories for your JVC product, please call toll free:1 (800) 882-2345 or on the web at **www.JVC.com**

Specifications

MODEL	PD-42WV74
Type	Plasma Display
Reception Format	NTSC, BTSC System (Multi-Channel Sound) 1080i DTV digital broadcast ready
Reception Range	VHF 2 to 13, UHT 14 to 69 Sub, Mid, Super, Hyper et Ultra bands (180 channel frequency synthesizer system)
Power Source	AC 120V, 60Hz
Power Consumption	TV : 340W
	Receiver : 27W
Screen Size	42 inch / 107.5 cm measured diagonally, 16:9 ratio
Audio Output	18W + 18W
Speakers	(3 15/16 x 1 3/16 inch / 10 cm x 3 cm) oval x 2 Woofer (5 1/8 x 2 9/16 / 13 cm x 6.5 cm) oval x 2
Antenna Terminal	75 ohms (VHF/UHF) (F-type connector)
External Input Jacks	Video : 1Vp-p, 75 ohms Audio : 500mVrms (-4dBs) high impedance
S-Video Input Jacks	Y : 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms
Component Input Jacks	Y : 1Vp-p positive, 75 ohms (negative sync provided) P_b/P_r: 0.7 Vp-p, 75 ohms
Audio Output Jacks (VARI/FIX)	VARI: More than 0 to 1000mVrms (+2.2 dBs) FIX: 500mVrms (-4dBs) Low impedance (400 Hz when modulated 100%)
Subwoofer Output Jack	More than 0 to 1000mVrms (+2.2 dBs) Low impedance (100 Hz when modulated 100%)
AV Compu Link III Jack	3.5 mm mini jack x 1
Digital-In	DVI-D single Link 19 pin Note: The Digital-In terminal is not compatible with picture signals of a personal computer
Dimensions W X H X D	TV: 45 11/16 x 31 7/16 x 12 3/16 inch / 1160 x 798 x 308mm (with the stand) 45 11/16 x 28 13/16 x 3 7/8 inch / 1160 x 731 x 98 mm (main TV body)
	Receiver : 17 3/16 x 3 15/16 x 15 1/16 inch / 435 x 99 x 382 mm
Weight	TV: 106 lbs / 48 kg (with the stand) 84 lbs / 38 kg (main TV body)
	Receiver : 11.3 lbs / 5.1 kg
Accessories	Refer to "Unpacking your TV" on page 8.

Specifications subject to change without notice.

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