JVC®

I'Art PALETTE

Plasma Display Users Guide

For Model: PD-42X776

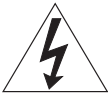*Illustration of PD-42X776 and RM-C14G*

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:

LCT1823-001A-A
0305TNH-II-IM

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.

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

8 inch/200 mm

2 inch/50 mm

2 inch/50 mm
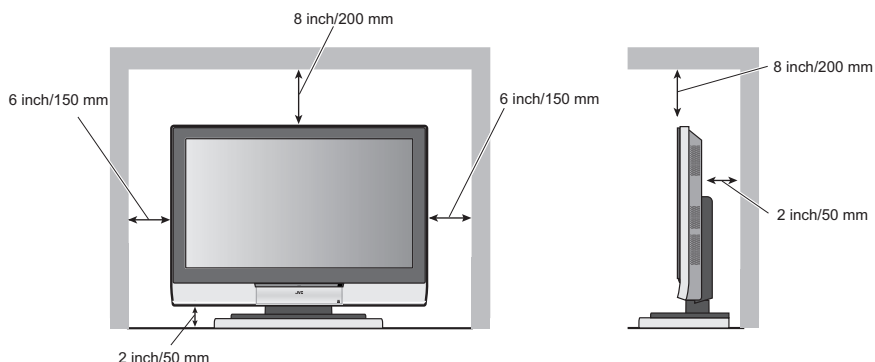
17) Cautions for installation
— Do not tilt the TV towards the left or right, or towards the back.
— Install the TV in a corner on the floor so as to keep cords out of the way.
— The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.

FCC Notice:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

Warnings

Screen 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 47.) 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 66).

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

TV on   TV off

For example...
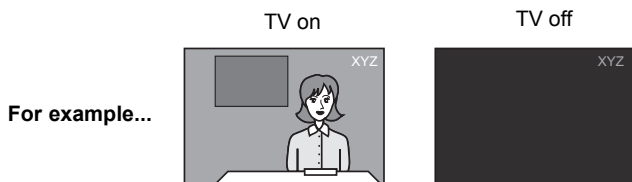
• Reduce PICTURE and BRIGHT on the PICTURE ADJUST menu (page 56) when viewing.

❏ **Do not view for long periods of time in the REGULAR mode (page 70).**

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.

TV on   TV off

For example...
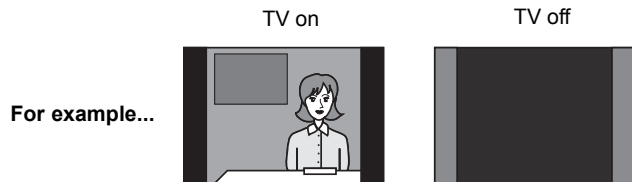
❏ **Do not view for long periods of time using the TWIN function (page 62) or INDEX function (page 62).**

Warnings

If Burn-in has occurred

If burn-in occurs, try the BURN-IN IMAGE REDUCER function (page 58). 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.

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.

Table of Contents

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

Remote control
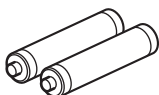
AA/R06-size batteries (used to check operation)

RF Cable × 2
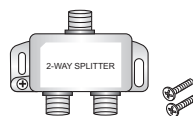
Two Way Splitter x 1
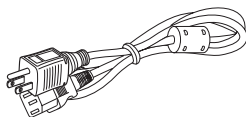
Power cord

Quick Setup   TV Models

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

Front

POWER button
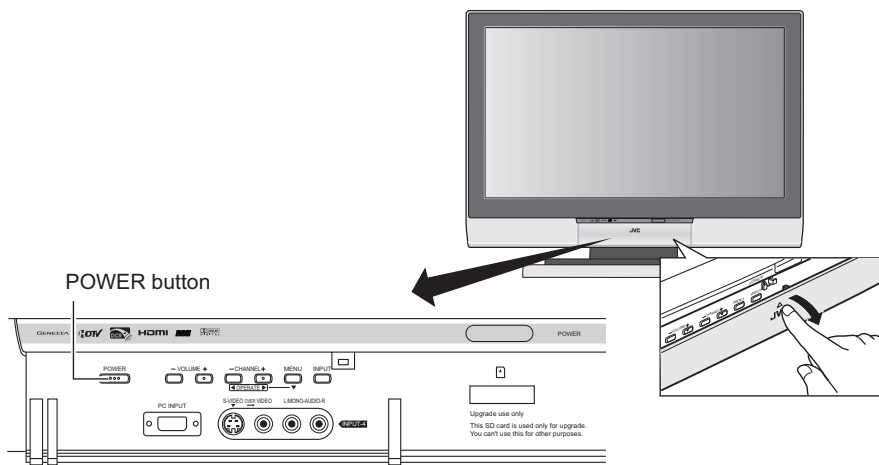
Rear
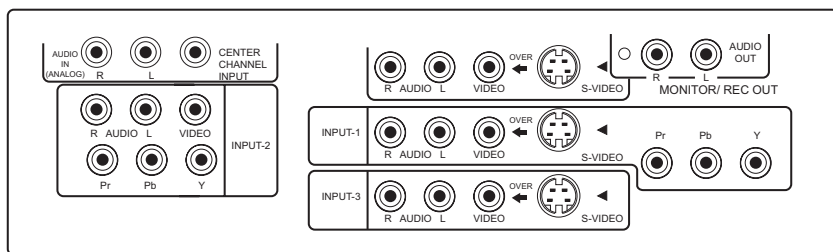
• AUDIO IN (ANALOG) and CENTER CHANNEL INPUT are for DVI.

Underneath
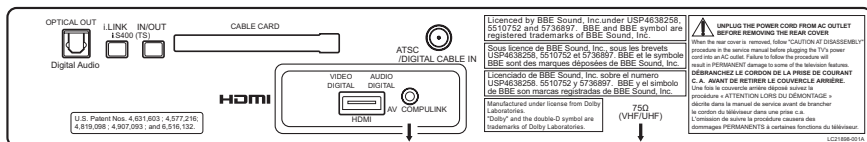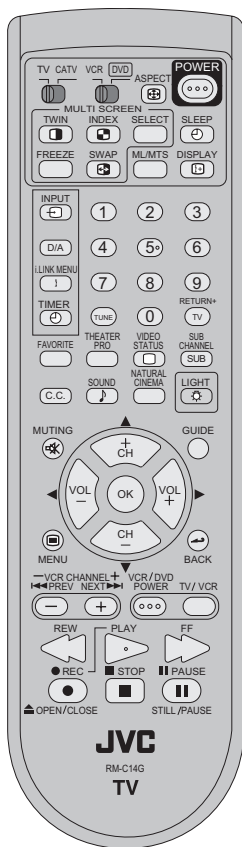
RM-C14G

- For information on remote control buttons, see pages 62 - 72 and 76 - 81.

- i.LINK MENU, TIMER, SUB CHANNEL, FAVORITE and GUIDE buttons are for digital channels. If your TV is connected to an ATSC antenna or Digital Cable, you can use these buttons.

Getting Started

These quick setup pages will provide you, in three 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 - Using the stand

This TV comes with a Table Top Stand already attached.

This stand can be used to adjust the direction of the TV screen 20° to the left or right.

Rotate the TV left or right

While holding the bottom of the stand with one hand, use your other hand to hold the edge of the panel and slowly adjust the direction of the TV stand.
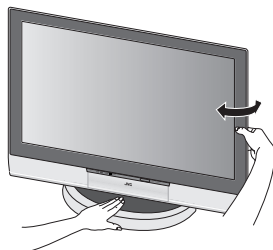
Step 2 – The Remote Control

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.
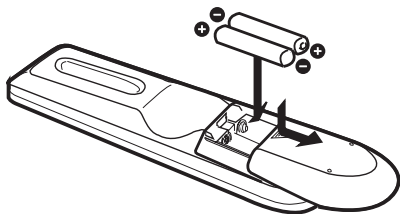
When you change the batteries, try to complete the task within three minutes. If you take longer than three minutes, the remote control codes for your VCR, DVD, and/or cable box/satellite receiver may have to be reset. See pages 30 - 33.

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.
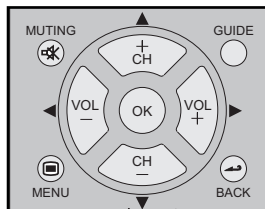
Basic Operation

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.

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

- Slide the VCR/DVD selector switch to VCR to control a VCR. Slide to DVD to control a DVD player. Please see pages 30 to 33 for instructions on programming your remote control to operate a cable box, VCR or DVD player.
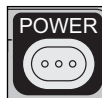
Step 3 – Connecting Your Devices

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

S-Video Cable

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

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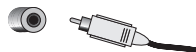
Used to connect audio/video devices like VCRs, DVD players, stereo amplifiers, game consoles, etc.

Notes:

• These connections are examples.

• After you are finished connecting your devices, plug the power cord into the nearest power outlet and turn on the TV.

• If you follow these diagrams and the television does not work properly, contact your local cable operator.

• To connect a DVD player, see VCR Connection. A DVD player is optional

• If you have a satellite television system, refer to the satellite TV manual.

No VCR Connection

Cable or Antenna
Output

IN
OUT OUT

Two-way Splitter
(Attachment)

Coaxial Cable (Attachment)

75Ω
(VHF/UHF)

ATSC
/DIGITAL CABLE IN

TV Underneath Panel
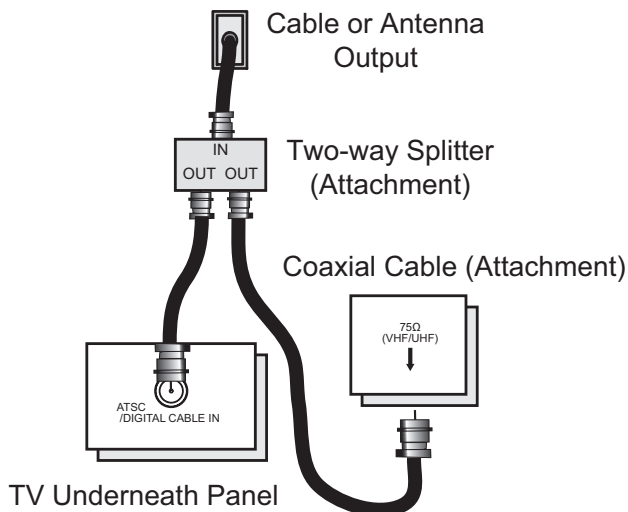
VCR Connection

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 #1
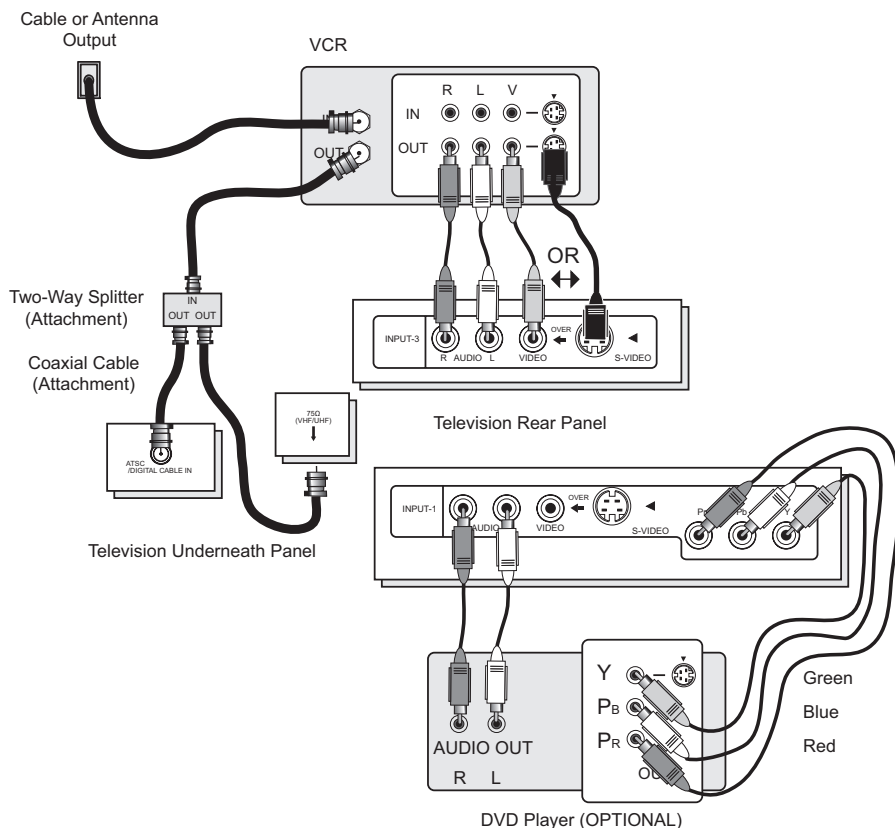
Note:

- If this connection setup does not work for you, try the connection setup on page 16.

Diagram #2

Cable or Antenna Output

VCR

Two-Way Splitter

Two-Way Splitter (Attachment)

Coaxial Cable (Attachment)

ATSC /DIGITAL CABLE IN

75Ω (VHF/UHF)

Television Underneath Panel

IN
OUT OUT

IN
OUT OUT

R L V

IN

OUT

OUT

OR

INPUT-3

R AUDIO L VIDEO S-VIDEO

OVER

Television Rear Panel

INPUT-1

AUDIO VIDEO S-VIDEO

OVER

Pr Pb Y

Y

P_B

P_R

AUDIO OUT

R L

OUT

Green

Blue

Red

DVD Player (OPTIONAL)
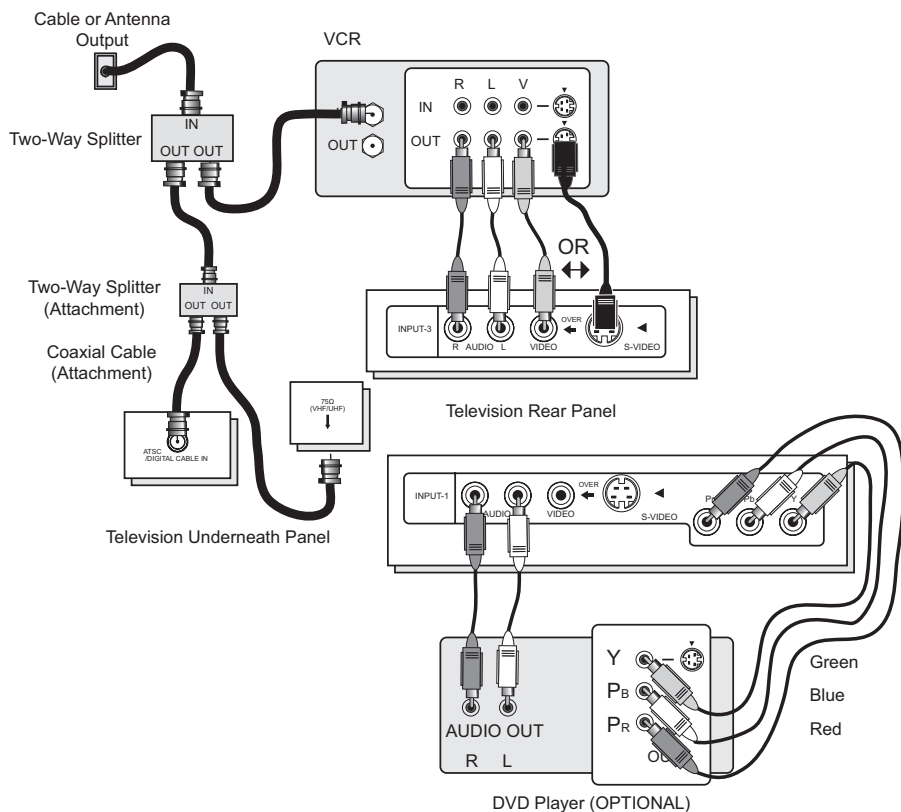
Connecting to Monitor/Recording Output Terminal
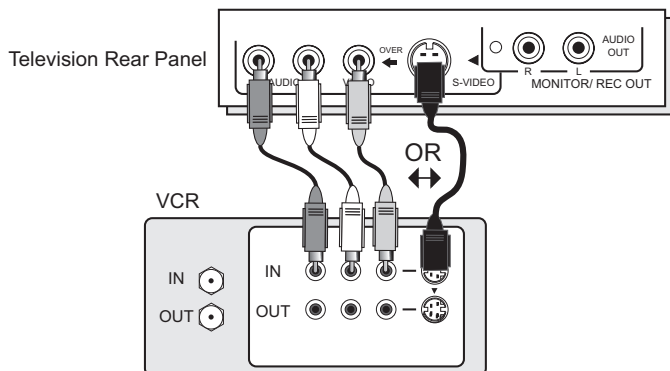
Notes:

- When you make this connection, set the Video-1 Monitor Out menu to ON. See page 53.

- If you are receiving ATSC/Digital Cable signal, it can be outputted to the S-Video output terminal or Video (composite video) terminal.

- If you are receiving Analog TV signal, it can not be outputted to the S-Video output terminal.

- No signal will be outputted through the S-Video output terminal when you are not viewing images coming from the composite video input terminal.

- No signal will be outputted through the Monitor/Recording output terminal when you are viewing images from the component video input.

Connecting to JVC AV Compu Link

JVC's AV CompuLink 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 CompuLink, 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 CompuLink cable may be included with the JVC AV CompuLink 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 CompuLink can only be used with JVC brand products.

AV CompuLink 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 underneath the TV.

Note:

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

TV Underneath Panel

AV CompuLink
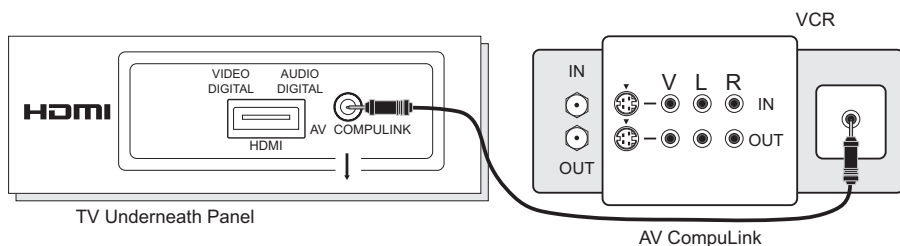
Notes:

• 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 CompuLink is compatible with select AV CompuLink 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, push on the door to open it. You can also connect these using the television's rear input jacks, using the same instructions.
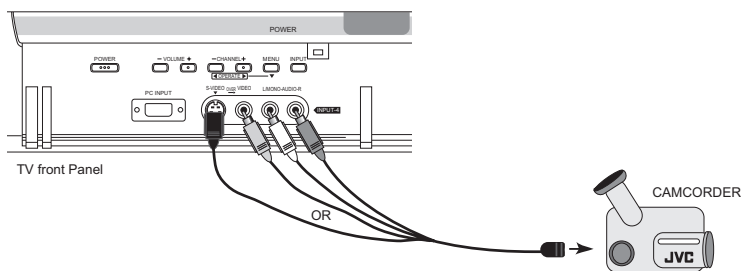
1) Connect a yellow composite cable from the camcorder VIDEO OUT, into the VIDEO IN on the front of the TV, OR connect an S-Video cable from the front of the TV to the camcorder.
2) Connect a white composite cable from the camcorder LEFT AUDIO OUT, into the LEFT AUDIO IN on the front of the TV.
3) Connect a red composite cable from the camcorder RIGHT AUDIO OUT, into the RIGHT AUDIO IN on the front of the TV.

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 TV.

Connecting to an External Amplifier
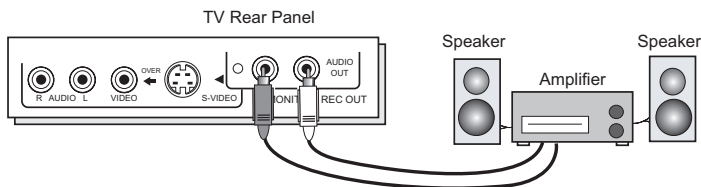
1) Connect a white composite cable from the LEFT AUDIO OUTPUT on the back of the TV to the LEFT AUDIO INPUT on the amplifier.
2) Connect a red composite cable from the RIGHT AUDIO OUTPUT on the back of the TV to the RIGHT AUDIO INPUT on the amplifier.

Notes:

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

Connecting to an amplifier using your optical output

You can connect an amplifier that has an optical digital input terminal by using an optical digital cable from the optical output. The signal that is output can be PCM or Dolby Digital.

Television Underneath Panel   Amplifier

OPTICAL OUT
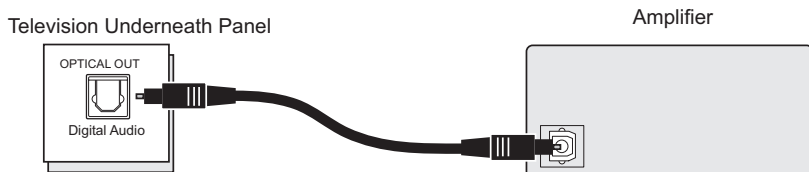
Digital Audio

1) Connect the optical cable from underneath the television to the back of the amplifier.

Notes:

• This terminal can only output digital audio.

• In order to use the optical output connection, select PCM or Dolby Digital on Digital Sound in the Digital Setup Menu. See page 74.

• Refer to your owners manual on using your amplifier.

Connecting to a Digital TV Receiver

By connecting a Digital TV Receiver, high definition pictures can be displayed on your TV in their digital form.

DTV Decoder

TV Rear Panel

DIGITAL OUT   AUDIO OUT
               R   L

AUDIO IN (ANALOG)   R   L   CENTER CHANNEL INPUT

VIDEO DIGITAL   AUDIO DIGITAL

HDMI

HDMI   AV   COMPULINK

TV Underneath Panel

HDMI to DVI Cable

After the connections have been made,
tighten the screw to secure the cables.
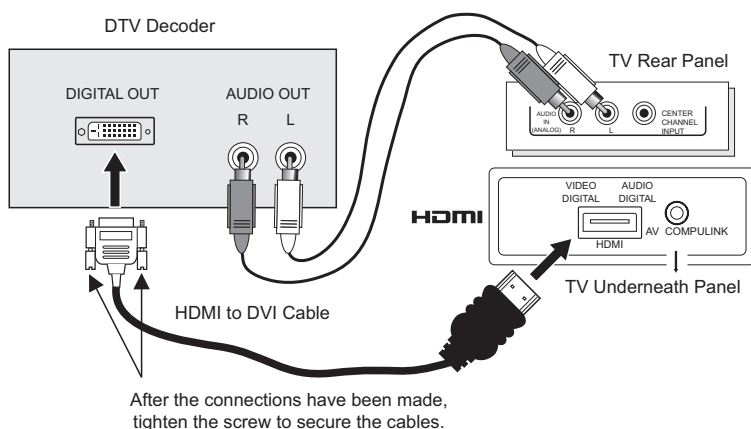
1) Connect the HDMI to DVI Cable from the DIGITAL OUT on the back of your DTV decoder, to the DIGITAL-IN underneath your television.

2) Connect a red cable from the DTV decoder RIGHT AUDIO OUT, to the RIGHT AUDIO DIGITAL-IN on the back of your television.

3) Connect a white cable from the DTV decoder LEFT AUDIO OUT, to the LEFT AUDIO DIGITAL-IN on the back of your television.

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

• Use a HDMI to DVI cable (commercially available) in order to digitally connect the television with a DTV decoder.

Notes:

• If 480p signals (640x480 or 720x480) are displayed on the screen, the horizontal balance may be slightly shifted. Access the "DIGITAL-IN" in the initial setup menu to adjust it. (Refer to page 54.)

• When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to ANALOG. See "DIGITAL-IN AUDIO", page 55.

Connecting to a HDMI Compatible Device

By connecting a HDMI compatible device, high definition pictures can be displayed on your TV in their digital form. Some HDMI devices can include DVD players, D-VHS or any HDMI compatible device.

HDMI (High Definition Multimedia Interface) is the first industry supported, uncompressed, all digital audio/video interface. HDMI provides and interface between any audio/video source, such as a set-top box, DVD player, A/V receiver or an audio and/or video monitor, such as a digital television (DTV).
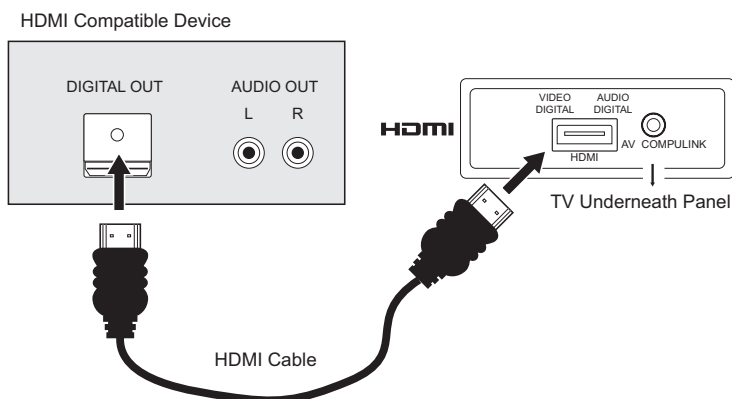
1) Connect the HDMI Cable from the DIGITAL OUT on the back of your DTV or HDMI device, to the DIGITAL-IN underneath your television.

Notes:

• When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to DIGITAL. See "DIGITAL-IN AUDIO", page 55.

• Some decoders may not respond depending on the equipment that you have connected when it is connected to the HDMI.

• If the HDMI output device signal is changed (for example, 480i/60Hz is changed to 480p/60Hz), the screen may turn green and there may be some distortion for a short time until the signal becomes stable.

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 different devices, without having to change or use the other input connections on your TV. This allows you to free up the other input connections so you can connect more devices to your television.
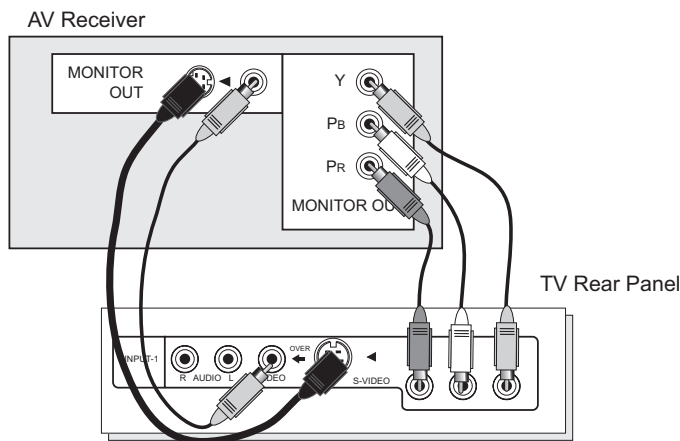
1) Connect an S-Video Cable from the AV Receiver's MONITOR OUT, to the S-Video INPUT-1 on the back of your TV.

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

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 TV.

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

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

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 different devices you have connected.

• Some AV Receiver's may not respond when the V1 Smart Input function 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.

Connecting to the computer

This TV can be used as a computer screen. Use a commercially available D-SUB cable to connect the TV's PC INPUT terminal to the computer's analog RGB output terminal. If you want to listen to the sound from the computer, use a commercially available RCA cable to connect the INPUT-4 audio input terminal to the computer's audio output terminal. When the sound from the computer is mono, connect to the L/MONO of INPUT-4.
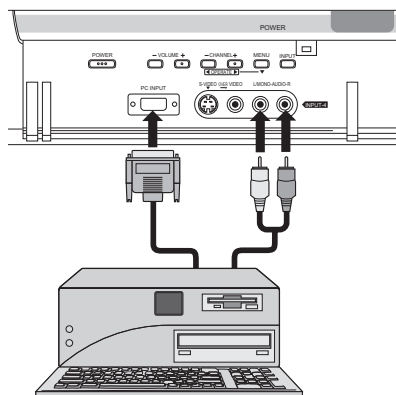
Notes:

• Refer to your computer manual for a detailed explanation of the connections concerning your computer.

• Make sure that the connectors are facing the correct way when connecting.

• After connecting, tighten the two screws to fix the connectors in place.

Looking at the images from a computer

After starting the computer, press the INPUT button to choose INPUT-4. You can listen to the sound when the sound from the computer is connected to the INPUT-4 AUDIO input terminal.

Notes:

• When the sound from the computer is connected to INPUT-4 by choosing external input INPUT-4, the sound from the computer can be listened to, but the images from the computer cannot be seen.

24

Table of signals for each type of computer

Resolution	Vertical Frequency (Hz)	Horizontal Frequency (kHz)
640 x 480 (VGA)	60.0	31.5
1024 x 768 (XGA)	60.0	48.4

- Only the above formats are supported.
- Even with the above formats at 60 Hz, some problems may be experienced depending on the quality of the synchronous signal. (Depending on the quality, some pictures may not be displayed correctly).
- Apple Macintosh* computers are not supported.

When a picture is not displayed

With some computers, some problems can be solved by changing the settings. Check the computer's refresh rate and set it to 60Hz. Computers that cannot set the refresh rate to 60 Hz, can not be used with this TV. Refer to the computer's instruction manual.

*Apple Macintosh is a registered trademark of Apple Computer, Inc.

Connecting an i.LINK compatible device to the back of your television

i.LINK is a digital serial interface that allows devices equipped with an i.LINK connector to exchange digital video signals, digital audio signals and device control signals bi-directionally over a single cable. (For example, a JVC D-VHS VCR).

i.LINK refers to the IEEE1394-1995 industry specification and extensions thereof. The **i** logo is used for products compliant with the i.LINK standard.

This projection television uses a four-pin i.LINK connector to input and output MPEG2 video signals, audio signals and control signals.

TV Underneath Panel

OPTICAL OUT   i.LINK IN/OUT
i S400 (TS)

Digital Audio

i.LINK Compatible Device
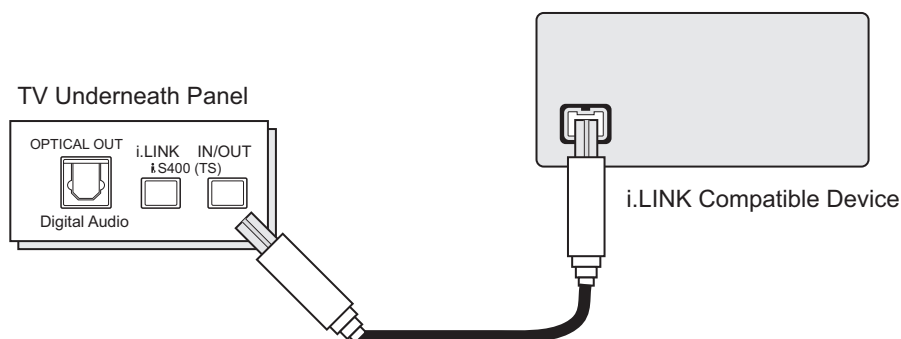
1) Connect the i.LINK cable from underneath the TV to the back of the i.LINK compatible device.

Notes:

- Use only the S400 i.LINK cable when connection your devices.
- See page 78 on how to select the i.LINK device.
- Refer to your owners manual on using your i.LINK device.
- When recording or playing back video with an i.LINK device, if you perform the Auto Tuner Setup, the video signal you are recording or playing back may stop or you may not be able to perform the Digital Auto Tuner Setup.
- Your television can connect with i.LINK D-VHS decks and HD-Camcorders (JVC brand only). If you connect other brand devices, with i.LINK cable, they will not work.
- It can play only the recorded contents in Digital Mode.
- Use only tapes bearing the DVHS (SVHS) mark for recording.

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.

Notes:

• The interactive plug-in menu setting does not appear if your TV has been turned on before. In this case use the onscreen menus to perform these settings. See pages 47, 60, 37.

• If you press the Menu button while setting up the interactive plug-in menu, it will skip over it.

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
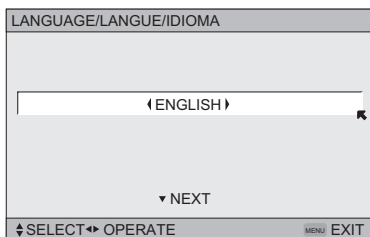
◄►　　　To choose a language:
　　　　　(English, Français or Español)

▼　　　　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 analog 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                    -- : -- --
TIME ZONE             ‹ ATLANTIC ›
DATE/YEAR               JAN/01/05
D.S.T.                   ‹ ON ›
              ▼ 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:

• D.S.T. can be used when it is set to ON in the SET CLOCK menu.
• Only when the MODE is set to AUTO, 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                    -- : -- --
TIME ZONE             ‹ ATLANTIC ›
DATE/YEAR               JAN/01/05
D.S.T.                   ‹ ON ›
           ▼ START CLOCK

⬍ SELECT ◄► OPERATE      MENU EXIT
```

◄►　　　　To choose MANUAL
▼　　　　 To TIME
◄►　　　　To set the hour
▼　　　　 To minute
◄►　　　　To set the minute
▼　　　　 To TIME ZONE
◄►　　　　To select your time zone: (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)
▼　　　　 To DATE/YEAR
◄►　　　　To set the month
▼　　　　 To day
◄►　　　　To set the day
▼　　　　 To year
◄►　　　　To set the year
▼　　　　 To move to D.S.T. (Daylight Savings Time)
◄►　　　　To turn D.S.T. ON or OFF
▼　　　　 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...)

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. There are two tuner modes to choose from, ANALOG or DIGITAL.

```
AUTO TUNER SETUP
 IN ANALOG
 TUNER MODE                    ◀ AIR ▶
 IN DIGITAL                            ↖
 TUNER MODE                    ◀ ATSC ▶


              ▼ START
 ⬍ SELECT ⬌ OPERATE        MENU EXIT
```
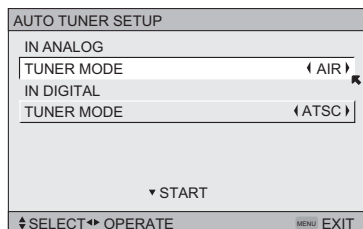
◀▶   To choose CABLE or AIR (or SKIP when you skip Analog Auto Tuner Setup)

▲▼   To TUNER MODE (IN DIGITAL)

◀▶   To choose ATSC or Digital Cable (or SKIP when you skip Digital Auto Tuner Setup)

▼   To START

After Analog Auto Tuner Setup is finished, Digital Auto Tuner Setup starts.

```
 ᵂᴬᵂ   Now Programming...
            20
 ▓▓▓▓▓▓▓▓▓░░░░
```

←

```
        NOW
   PROGRAMMING !
     ▶▶▶ ⬜ ▶▶▶
        48
```
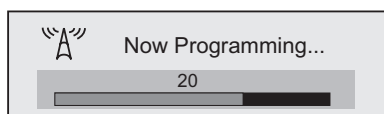
When the setup is finished, "THANK YOU ! SETUP IS NOW COMPLETE" is displayed. Your quick setup is now complete. You can now begin watching your television, or you can continue on in this guide for more information on programming your remote control, or using the JVC onscreen menu system to customize your television viewing experience.

Notes:

• If you want to cancel the Auto Tuner Setup, press the MENU button.
• Noise muting will not work during Auto Tuner Setup.
• If you choose SKIP, it finished without doing the Auto Tuner Setup.

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**

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 33.

Cable Box	Codes	Cable Box	Codes	Digital Satellite Systems	Codes
ABC	024	Puser	032	Echostar (Dish Network)	100, 113, 114, 115
Archer	032, 025	RCA	061, 070		
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 33.

• 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.

VCR	Codes	VCR	Codes	VCR	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		
Daewoo	043, 059, 024, 092	Optimus	028, 021, 035, 064	Sharp	035, 036, 080, 088
				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
				Tashiro	064
G.E.	033, 045, 024	Philips	031, 023, 024, 086	Tatung	003, 004, 005
Go Video	037, 051, 049, 050, 089			Teac	003, 004, 027, 005
Goldstar	064	Pioneer	023		
Gradiente	083, 084, 081, 000, 001	Proscan	045, 058, 023, 024, 031, 046, 059, 060, 093, 033, 087	Technics	021, 022, 023, 024
Hitachi	023, 045, 058, 093, 027, 081			Teknika	024, 027, 070
		Quasar	021, 022, 023, 024	Thomson	033, 096
Instant Replay	024, 023	Radio Shack	033, 024, 063, 036, 067, 040, 027	Toshiba	059, 046, 079
Jensen	003			Vector Research	005
JVC	003, 004, 005, 000, 001, 002, 006, 007	RCA	033, 045, 058, 023, 024, 031, 046, 059, 060, 083, 084, 085, 087, 093, 096	Wards	035, 036, 067, 044, 064
Kenwood	003, 004, 064, 005			Yamaha	063, 003, 004, 005
LG	064			Zenith	044, 082, 064, 094
LXI	027, 064, 058, 065, 066, 063, 067	Realistic	024, 063, 036, 067, 040, 027		
Magnavox	031, 023, 024, 086				

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 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 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 33.

- 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		

Remote Programming

Search Codes

Cable/Satellite Search Codes Function

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

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 CH+ or CH– buttons. Pressing the CH+ or CH– 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, VIDEO STATUS 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                       (4/5)
 ⬍ SELECT ◀▶ OPERATE        MENU  EXIT
```
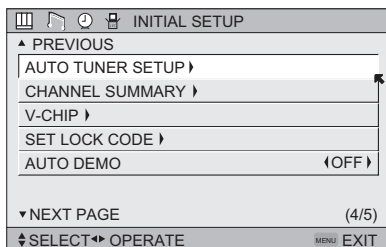
Note:

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

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 27 - 29.

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 a few seconds, 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.

Onscreen Menus

Press the MENU button

TO INITIAL SETUP 03

INITIAL SETUP (4/5)
```
[icons]  INITIAL SETUP
▲ PREVIOUS
AUTO TUNER SETUP ▶
 CHANNEL SUMMARY ▶
V-CHIP ▶
SET LOCK CODE ▶
AUTO DEMO                    ◀OFF▶
▼ NEXT PAGE                    (4/5)
↕SELECT◆▶OPERATE          MENU EXIT
```
INITIAL SETUP 04

CLOCK / TIMERS
```
[icons] CLOCK / TIMERS
▲ PREVIOUS
SET CLOCK ▶
ON / OFF TIMER ▶

▼ NEXT PAGE
↕SELECT◆▶OPERATE          MENU EXIT
```
CLOCK/TIMERS

INITIAL SETUP (1/5)
```
[icons]  INITIAL SETUP
▲ PREVIOUS
VIDEO-1MONITOR OUT           ◀OFF▶
TV SPEAKER                    ◀ON▶
AUDIO OUT                    ◀VARI▶
DIGITAL-IN                  ◀SIZE1▶
DIGITAL-IN AUDIO          ◀DIGITAL▶
CENTER CH INPUT              ◀OFF▶
▼ NEXT PAGE                    (1/5)
↕SELECT◆▶ OPERATE         MENU EXIT
```
INITIAL SETUP 01

INITIAL SETUP (5/5)
```
[icons]  INITIAL SETUP
▲ PREVIOUS
DIGITAL SETUP ▶

▼ NEXT PAGE                    (5/5)
↕SELECT◆▶ OPERATE         MENU EXIT
```
INITIAL SETUP 05

SOUND ADJUST
```
[icons] SOUND ADJUST
▲ PREVIOUS
BASS      ◀ 00 ▶  ━━━━━━━━
TREBLE    ◀ 00 ▶  ━━━━━━━━
BALANCE   ◀ 00 ▶  ━━━━━━━━

RESET
▼ NEXT PAGE
↕SELECT◆▶OPERATE          MENU EXIT
```
SOUND ADJUST

INITIAL SETUP (2/5)
```
[icons]  INITIAL SETUP
▲ PREVIOUS
NOISE MUTING                 ◀ON▶
FRONT PANEL LOCK            ◀OFF▶
V1 SMART INPUT               ◀ON▶
VIDEO INPUT LABEL ▶
POSITION ADJUSTMENT ▶
POWER INDICATOR             ◀LOW▶
▼ NEXT PAGE                    (2/5)
↕SELECT◆▶OPERATE          MENU EXIT
```
INITIAL SETUP 02

PICTURE ADJUST (1/2)
```
[icons] PICTURE ADJUST
▲ PREVIOUS          STANDARD
TINT           ◀ 00 ▶  ━━━━━━━
COLOR          ◀ 00 ▶  ━━━━━━━
PICTURE        ◀ 00 ▶  ━━━━━━━
BRIGHT         ◀ 00 ▶  ━━━━━━━
DETAIL         ◀ 00 ▶  ━━━━━━━
COLOR TEMPERATURE        ◀HIGH▶
▼ NEXT PAGE                    (1/2)
↕SELECT◆▶OPERATE          MENU EXIT
```
PICTURE ADJUST 01

PICTURE ADJUST (2/2)
```
[icons] PICTURE ADJUST
▲ PREVIOUS          STANDARD
DIG. NOISE CLEAR ▶              OFF
COLOR MANAGEMENT ▶              OFF
DYNAMIC GAMMA ▶                 OFF
BURN-IN IMAGE REDUCER ▶

RESET
▼ NEXT PAGE                    (2/2)
↕SELECT◆▶OPERATE          MENU EXIT
```
PICTURE ADJUST 02

INITIAL SETUP (3/5)
```
[icons]  INITIAL SETUP
▲ PREVIOUS
IMAGE SHIFT ▶
LANGUAGE          ENG. FRAN. ESP.
CLOSED CAPTION ▶
AUTO SHUT OFF               ◀OFF▶
XDS ID                       ◀ON▶

▼ NEXT PAGE                    (3/5)
↕SELECT◆▶OPERATE          MENU EXIT
```
INITIAL SETUP 03

TO INITIAL SETUP 04
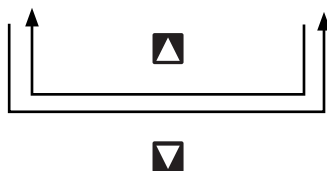
Notes:

- 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 side panel is pressed, the FRONT PANEL CONTROL menu between INITIAL SETUP 05 and PICTURE ADJUST 01 will appear.
- Regarding the digital setup menu, see page 73.

Auto Tuner Setup

The auto tuner setup function is described on page 29 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 TUNER MODE (IN ANALOG)
◀▶		To choose CABLE, AIR or SKIP
▲▼		To TUNER MODE (IN DIGITAL)
◀▶		To choose ATSC, DIGITAL CABLE or SKIP
🖑		Press the OK button to start

```
🔒 AUTO TUNER SETUP

  IN ANALOG
  TUNER MODE                    ◀ AIR ▶
                                      ↖
  IN DIGITAL
  TUNER MODE                   ◀ ATSC ▶


          PRESS  OK  TO START
 ⬍ SELECT ◀▶ OPERATE         MENU EXIT
```
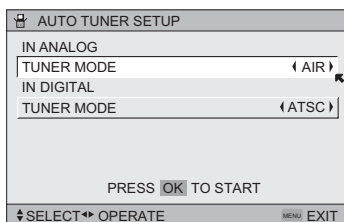
Programming will take approximately 2 to 4 minutes. The auto tuner is finished when the message **PROGRAMMING OVER!** appears onscreen.

🖑   Press the Menu button when finished

Initial Setup

Channel Summary

Channel summary allows you to customize the line-up of channels received by your TV. Regarding analog channels, you can add or delete channels from the line-up or prevent any unauthorized viewers from watching any or all 191 channels. Regarding digital channels, the only channels that will appear are the ones that are broadcasting.

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 "√". Regarding analog channels, 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.

• Digital channels can not be added to the channel summary if the auto tuner setup did not find them.

▲▼ ◄►   To the SCAN column

Press the OK button to include or delete from scan

Press the MENU button when finished

Note:

• The number of a digital channel may change, depending on the time of some broadcastings. If this channel existed and now had disappeared, the lock channel or scanned channel by the channel summary for that channel will be cancelled.

Analog Channels

CHANNEL SUMMARY						
CHNO.	SCAN	ID	🔒	CHNO.	SCAN	ID	🔒
01				06	√	HBO	
02	√	MTV		07	√	L	
03				08			
04	√	A&E		09	√		
05	√	E!		10			

◄♦► SELECT   OK OPERATE   MENU EXIT

Digital Channels

Channel Summary Digital			
CH No.	Scan	Station Name	🔒
D01	√	FOX	
D02	√	ABC	
D02	►	CNN	
D10-1	√	NBC	√
D10-2		BOX	
D12345	√	NHK	

Operate   BACK Back   MENU Exit

Note:

• When the Cable Card is not inserted into the Cabe Card Slot:
  If you are watching analog channels, the above screen appears.
  If you are watching digital channels, the below screen appears.

• When the Cable Card is inserted into the Cabe Card Slot:
  Below screen appears
  Both analog and digital channels are listed, but the background video is not displayed.

How to set the channel label. *(This is only for analog broadcasting.)*

(hand)	Press the MENU button
▲▼	To CHANNEL SUMMARY
◀▶	To operate
▲▼	To the ID column
(hand)	Press the OK button to enter
◀▶	To select the character you want
▲▼	To move to the next space

...continue to follow these directions for all four spaces

(hand)	Press the OK button to finish

Your characters are now set

(hand)	Press the MENU button when finished

```
🔒 ID

CHANNEL 09          ▢ ▢ ▢ ▢

RESET


        PRESS OK TO FINISH

⬍ SELECT ◀▶ OPERATE        MENU EXIT
```
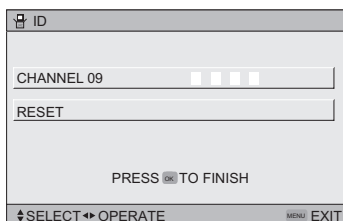
If you want to reset the characters you set:

(hand)	Press the MENU button
▲▼	To CHANNEL SUMMARY
◀▶	To operate
▲▼	To the ID column
(hand)	Press the OK button to enter
▲▼	To select RESET
(hand)	Press the OK button to finish

Your characters are now reset

Notes:

- You can use characters for: Alphabet, numbers, marks and spaces.
- It is possible to set the maximum of 40 channel labels.
- If you try to set more than the 40 maximum, the message "MEMORY OVERFLOW" will appear.

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

(hand)	Press the MENU button
▲▼	To CHANNEL SUMMARY
◀▶	To operate
▲▼ ◀▶	To the Lock Column (🔒)
(hand)	Press the ZERO button to lock or unlock that channel
(hand)	Press the MENU button when finished

39

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.

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

Notes:

• Once a channel has been unlocked, it will remain unlocked until the television is turned off.
• See also "Set Lock Code", page 46.

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 41 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:

Press the MENU button	
▲▼ To V-CHIP ◄► To operate (Lock icon 🔒 will appear)	
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
```
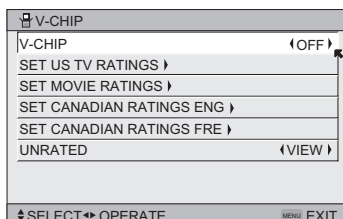
Unrated Programs

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
```
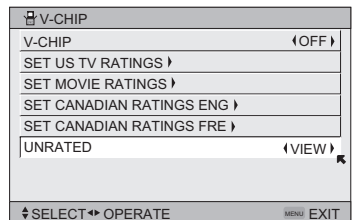
Initial Setup

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

Setting US V-Chip Ratings

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

```
┌─────────────────────────────────────┐
│ ▤ 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 │
└─────────────────────────────────────┘
```
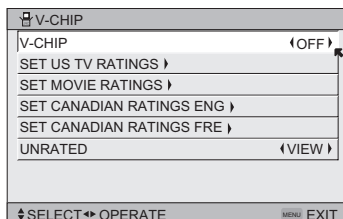
Directions to set US V-Chip Ratings

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
(icon)	Press the OK button to lock
(icon)	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  │
└─────────────────────────────────────┘
```
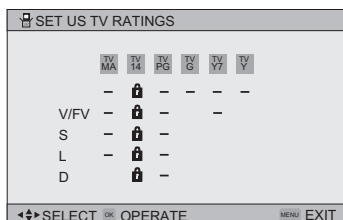
Initial Setup

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 (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  ᴺᶜ17  R  ᴾᴳ13  PG  G       │
│          🔒  🔒  –   –   –   –          │
│                                        │
│          NR                            │
│          –                             │
│ ◄♦►SELECT OK OPERATE         MENU EXIT  │
└──────────────────────────────────────┘
```
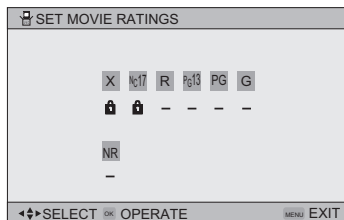
Canadian V-Chip Ratings

❐ **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 (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

```
┌────────────────────────────────┐
│ 🔒 SET CANADIAN RATINGS ENG     │
│                                │
│                                │
│     📷  📷  📷  📷  📷  📷       │
│     🔒  🔒  –   –   –   –       │
│                                │
│                                │
│ ◀♦▶ SELECT  OK OPERATE   MENU EXIT │
└────────────────────────────────┘
```
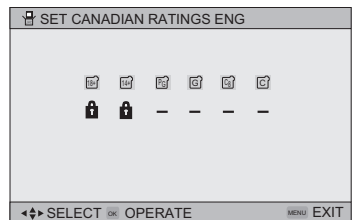
Note:
• For instructions on "SET CANADIAN RATINGS FRE (in French)", please see page 45 in the French side of this user's guide.

Initial Setup

Set Lock Code

Channel guard and V-Chip settings are protected by a four-digit lock code. Your TV comes preset 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 (lock icon 🔒 appears)
	Press ZERO to access the lock code

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

```
┌──────────────────────────────────┐
│ 🔒 SET LOCK CODE                   │
│ ┌──────────────────────────────┐ │
│ │LOCK CODE              0000    │ │
│ └──────────────────────────────┘ │
│                                    │
│                                    │
│           PRESS OK TO FINISH       │
│ ‡ SELECT ◄► OPERATE     MENU EXIT  │
└──────────────────────────────────┘
```
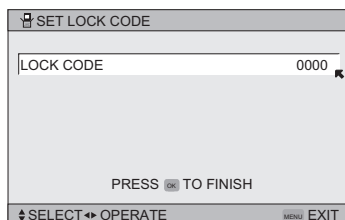
When a viewer attempts to watch a blocked channel, this message appears:

```
┌─────────────────────────────┐
│ 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.

Auto Demo

This function lets you preview the Dynamic Gamma demo.

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 BACK button to finish.
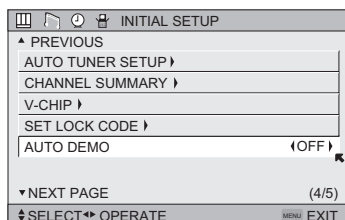
```
▥ ▹ ◷ ▤   INITIAL SETUP
▲ PREVIOUS
AUTO TUNER SETUP ▸
CHANNEL SUMMARY ▸
V-CHIP ▸
SET LOCK CODE ▸
AUTO DEMO              ◄OFF▸
▼ NEXT PAGE                (4/5)
⬍ SELECT ◄► OPERATE    MENU EXIT
```

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 enter

▲▼   To select the mode "STD (STANDARD)",
      "FAST" or "OFF"

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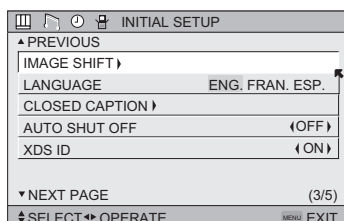
OFF: IMAGE SHIFT is turned off.

STD: The picture is shifted every 30 minutes.

FAST: The picture is shifted every 10 minutes.

```
▥ ▹ ◷ ▤   INITIAL SETUP
▲ PREVIOUS
IMAGE SHIFT ▸
LANGUAGE          ENG. FRAN. ESP.
CLOSED CAPTION ▸
AUTO SHUT OFF          ◄OFF▸
XDS ID                  ◄ON▸
▼ NEXT PAGE                (3/5)
⬍ SELECT ◄► OPERATE    MENU EXIT
```

Language

The language function is described on page 27 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
IMAGE SHIFT ▸
LANGUAGE          ENG. FRAN. ESP.
CLOSED CAPTION ▸
AUTO SHUT OFF          ◄OFF▸
XDS ID                  ◄ON▸
▼ NEXT PAGE                (3/5)
⬍ SELECT ◄► OPERATE    MENU EXIT
```
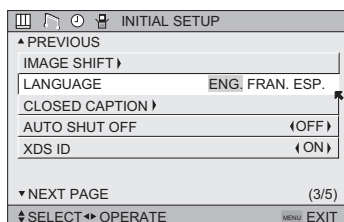
Initial Setup

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. There are three methods. When you are watching analog channels, you can perform Analog Setting of closed caption. When you are watching digital channels, you can perform Digital Auto Setting or Digital Manual Setting.

Analog Setting

Press the MENU button	
▲▼	To CLOSED CAPTION
◄►	To enter
▲▼	To MODE
◄►	To select CAPTION or TEXT in MODE
▲▼	To 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	

```
CLOSED CAPTION

MODE                    ◄TEXT►
CAPTION                 ◄CC1►
TEXT                    ◄T1►



        PRESS OK TO FINISH
⬍SELECT◄►OPERATE              MENU EXIT
```
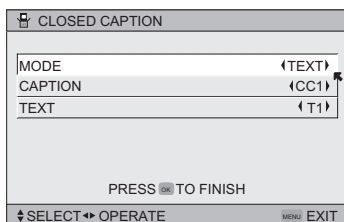
Digital Auto Setting

Press the MENU button

▲▼ To CLOSED CAPTION
◄► To enter
▲▼ To Type
◄► To select Auto, Advanced or Basic

> *Auto: Shows closed caption a priority for digital channels over analog channels. It is set automatically.*
> *Advanced: Shows only the digital closed caption.*
> *Basic: Shows only the analog closed caption.*

▲▼ To Service
◄► To select 1, 2, 3, 4, 5 or 6
▲▼ To Appearance
◄► To enter
◄► To select Auto
▲▼ To Set

Press the OK button to save

> *The font/type and color are set automatically.*

Press the MENU button when finished

```
Digital Closed Caption

   Preview
   ┌─────────────────────────┐
   │  Closed Caption Sample  │
   └─────────────────────────┘
   Type              ◄   AUTO   ►
   Service                1
   Appearance                   ►

      Cancel              Set
  Select    Operate  BACK Back  MENU Exit
```

```
Digital Closed Caption > Appearance

   Preview
   ┌─────────────────────────┐
   │  Closed Caption Sample  │
   └─────────────────────────┘
   Appearance Mode   ◄   Auto   ►
   Font                         ►
   Colors
   Opacities

      Cancel              Set
  Select    Operate  BACK Back  MENU Exit
```
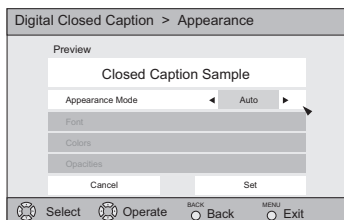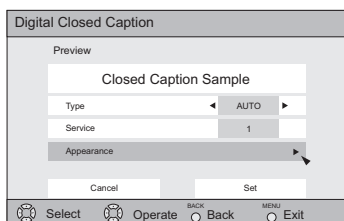
Note:
• If you want to cancel the settings, select cancel.

Digital Manual Setting

🖱	Press the Menu button
▲▼	To CLOSED CAPTION
◄►	To enter
▲▼	To Type
◄►	To select Auto, Advanced or Basic
▲▼	To Service
◄►	To select 1, 2, 3, 4, 5 or 6
▲▼	To Appearance
◄►	To enter
◄►	To select Manual
▲▼	To Font
◄►	To enter
▲▼	To select Font Size or Font Style
◄►	To select the setting you like

Font Size: Auto, Standard, Large or Small

Font Style: Auto, Serif Mono, Serif, Sanserif mono, Sanserif, Casual, Cursive or Small Capital

▲▼	To Set
🖱	Press the Ok button to save
▲▼	To Colors
◄►	To enter
▲▼	To select Text, Edge or Background
◄►	To select the setting you like
	Auto, White, Black, Red, Green, Blue, Yellow, Magenta or Cyan
▲▼	To Set
🖱	Press the Ok button to save
▲▼	To Opacities
◄►	To enter
▲▼	To select Text/Edge or Background
◄►	To select Auto, Transparent, Translucent, Solid or Flashing
▲▼	To Set
🖱	Press the Ok button to save
🖱	Press the Menu button when finished

Digital Closed Caption > Appearance

Preview

Closed Caption Sample

Appearance Mode	◄	Manual	►
Font			►
Colors			►
Opacities			►

Cancel   Set

Select   Operate   BACK Back   MENU Exit

Digital Closed Caption > Appearance

Preview

Closed Caption Sample

Appearance M	Font Size	Standard	
Font	Font Style	◄ Auto ►
Colors		
Opacities	Cancel	Set

Cancel

Select   Operate   BACK Back   MENU Exit

Digital Closed Caption > Appearance

Preview

Closed Caption Sample

Appearance M	Text	◄ White ►
Font	Edge	White
Colors	Background	Black
Opacities	Cancel	Set

Cancel

Select   Operate   BACK Back   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 68.

Initial Setup

Auto Shut Off

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

Press the MENU button

To AUTO SHUT OFF
To turn ON or OFF

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.

- When i.LINK is displayed, Auto Shut Off will not work.

```
▥ ▧ ⊙ ⌸  INITIAL SETUP
▲ PREVIOUS
  IMAGE SHIFT ▸
  LANGUAGE              ENG. FRAN. ESP.
  CLOSED CAPTION ▸
  AUTO SHUT OFF                  ◂OFF▸
  XDS ID                          ◂ON▸
▾ NEXT PAGE                       (3/5)
⬍ SELECT ◂▸ OPERATE        MENU EXIT
```
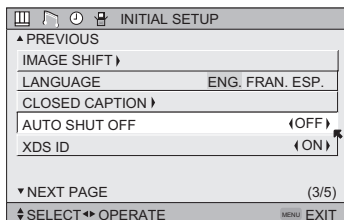
XDS ID

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.

Press the MENU button

To XDS ID
To turn ON or OFF

Press the MENU button when finished

```
▥ ▧ ⊙ ⌸  INITIAL SETUP
▲ PREVIOUS
  IMAGE SHIFT ▸
  LANGUAGE              ENG. FRAN. ESP.
  CLOSED CAPTION ▸
  AUTO SHUT OFF                  ◂OFF▸
  XDS ID                          ◂ON▸
▾ NEXT PAGE                       (3/5)
⬍ SELECT ◂▸ OPERATE        MENU EXIT
```
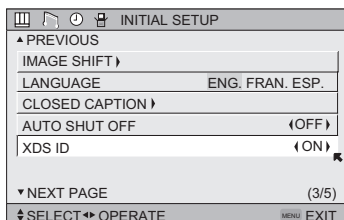
Noise Muting

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

(MENU)　　　Press the MENU button

▲▼　　　To NOISE MUTING
◄►　　　To turn noise muting ON or OFF

(MENU)　　　Press the MENU button when finished

```
┌─────────────────────────────────────┐
│ Ⅲ ⌐ ☉ 🔒  INITIAL SETUP             │
│ ▲ PREVIOUS                           │
│ NOISE MUTING                 ◄ ON ►  │
│ FRONT PANEL LOCK             ◄OFF►   │
│ V1 SMART INPUT               ◄ ON ►  │
│ VIDEO INPUT LABEL ►                  │
│ POSITION ADJUSTMENT ►                │
│ POWER INDICATOR              ◄LOW►   │
│ ▼ NEXT PAGE                   (2/5)  │
│ ⬍ SELECT ◄► OPERATE      MENU EXIT   │
└─────────────────────────────────────┘
```
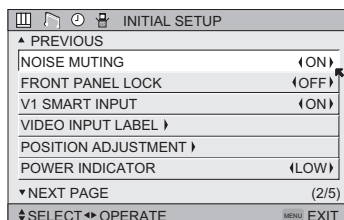
Note:

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

• Noise muting will not work when the digital TV or i.LINK is displayed.

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.

(MENU)　　　Press the MENU button

▲▼　　　To FRONT PANEL LOCK
◄►　　　To turn ON or OFF

(MENU)　　　Press the MENU button when finished

```
┌─────────────────────────────────────┐
│ Ⅲ ⌐ ☉ 🔒  INITIAL SETUP             │
│ ▲ PREVIOUS                           │
│ NOISE MUTING                 ◄ ON ►  │
│ FRONT PANEL LOCK             ◄OFF►   │
│ V1 SMART INPUT               ◄ ON ►  │
│ VIDEO INPUT LABEL ►                  │
│ POSITION ADJUSTMENT ►                │
│ POWER INDICATOR              ◄LOW►   │
│ ▼ NEXT PAGE                   (2/5)  │
│ ⬍ SELECT ◄► OPERATE      MENU EXIT   │
└─────────────────────────────────────┘
```
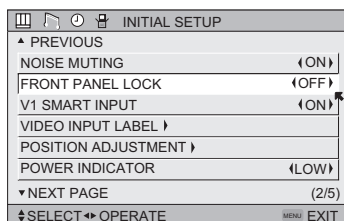
You can turn off this feature in the following ways:

• 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.

51

Initial Setup

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.

(hand) Press the MENU button

▲▼ To V1 SMART INPUT
◄► To turn ON or OFF

(hand) Press the MENU button when finished

```
▥ ▭ ⦾ ⎙  INITIAL SETUP
▲ PREVIOUS
NOISE MUTING                  ◄ON►
FRONT PANEL LOCK              ◄OFF►
V1 SMART INPUT                ◄ON►
VIDEO INPUT LABEL ►
POSITION ADJUSTMENT ►
POWER INDICATOR              ◄LOW►
▼NEXT PAGE                    (2/5)
⬍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.
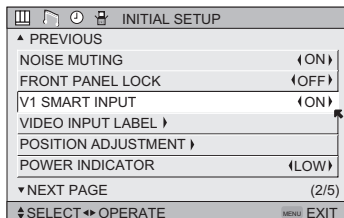• Some AV Receivers may not work with this function.

Video Input Label

This function is used to label video input connections for the onscreen displays.

(hand) Press the MENU button

▲▼ To VIDEO INPUT LABEL

◄► To operate

▲▼ To select the desired video input

◄► To select the desired preset input label (see chart below)

(hand) Press the OK button to save

(hand) Press the MENU button when finished

```
▥ ▭ ⦾ ⎙ INITIAL SETUP
◄PREVIOUS
NOISE MUTING                  ◄ON►
FRONT PANEL LOCK              ◄OFF►
V1 SMART INPUT                ◄ON►
VIDEO INPUT LABEL ►
POSITION ADJUSTMENT ►
POWER INDICATOR              ◄LOW►
▼NEXT PAGE                    (2/5)
⬍SELECT ◄► OPERATE        MENU EXIT
```

```
⎙  VIDEO INPUT LABEL

VIDEO-1                       ◄VCR►
VIDEO-2                       ◄DVD►
VIDEO-3                       ◄SAT►
VIDEO-4                       ◄GAME►
DIGITAL-IN                    ◄STB►

      PRESS OK TO FINISH
⬍SELECT ◄► OPERATE        MENU EXIT
```

Preset Labels	Select when...
VCR	You have a VCR connected to the video input
DVD	You have a DVD connected to the video input
DVHS	You have a Digital VCR connected to the video input
STB	You have a Set-top Box connected to the video input
SAT	You have a Satellite Receiver connected to the video input
AMP	You have an Amplifier connected to the video input
GAME	You have a Video Game connected to the video input
CAM	You have a Video Camera connected to the video input
DISC	You have a Video Disc player connected to the video input
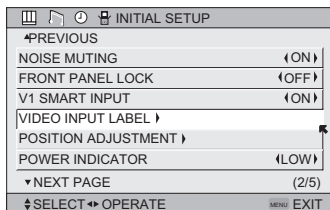
Position Adjustment

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.
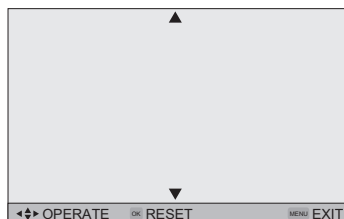
Press the MENU button

▲▼ To POSITION ADJUSTMENT
◄► To enter
▲▼ ◄► To adjust the position

Press the MENU button to finish

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 it's 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 PANORAMA ZOOM or CINEMA ZOOM for 720p signals.

Power Indicator

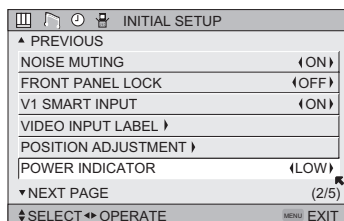Power indicator allows you to adjust the brightness of the power indicator

Press the MENU button

▲▼ To POWER INDICATOR
◄► To adjust POWER INDICATOR LOW, HIGH or OFF

▥ ◥ ⏲ ⇅ INITIAL SETUP	
▲ PREVIOUS	
NOISE MUTING	◄ ON ►
FRONT PANEL LOCK	◄ OFF ►
V1 SMART INPUT	◄ ON ►
VIDEO INPUT LABEL ►	
POSITION ADJUSTMENT ►	
POWER INDICATOR	◄ LOW ►
▼ NEXT PAGE	(2/5)
⇕ SELECT ◄► OPERATE	MENU EXIT

Note:

- If you set a timer on the TV, the power indicator will light even if the TV is on stand by.

Video-1 Monitor Out

This function allows you to set whether the signal, which comes from VIDEO-1 input terminal, should be output from MONITOR OUT terminal. If you select it from MONITOR OUT, set it to "ON".

Press the MENU button

▲▼ To VIDEO-1 MONITOR OUT
◄► To select ON or OFF

Press the MENU button to finish

▥ ◥ ⏲ ⇅ INITIAL SETUP	
▲ PREVIOUS	
VIDEO-1MONITOR OUT	◄ OFF ►
TV SPEAKER	◄ ON ►
AUDIO OUT	◄ VARI ►
DIGITAL-IN	◄ SIZE1 ►
DIGITAL-IN AUDIO	◄ DIGITAL ►
CENTER CH INPUT	◄ OFF ►
▼ NEXT PAGE	(1/5)
⇕ SELECT ◄► OPERATE	MENU EXIT

◄✛► OPERATE   OK RESET   MENU EXIT
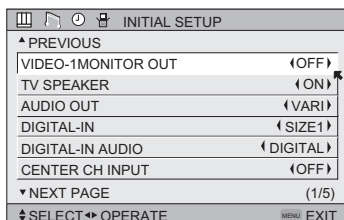
Initial Setup

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

Notes:

III 🗋 🕐 🔌   INITIAL SETUP
▲ PREVIOUS
VIDEO-1MONITOR OUT   ◀OFF▶
TV SPEAKER   ◀ON▶
AUDIO OUT   ◀VARI▶
DIGITAL-IN   ◀SIZE1▶
DIGITAL-IN AUDIO   ◀DIGITAL▶
CENTER CH INPUT   ◀OFF▶
▼ NEXT PAGE   (1/5)
↕SELECT◀▶OPERATE   MENU EXIT

• 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".

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

III 🗋 🕐 🔌   INITIAL SETUP
▲ PREVIOUS
VIDEO-1MONITOR OUT   ◀OFF▶
TV SPEAKER   ◀ON▶
AUDIO OUT   ◀VARI▶
DIGITAL-IN   ◀SIZE1▶
DIGITAL-IN AUDIO   ◀DIGITAL▶
CENTER CH INPUT   ◀OFF▶
▼ NEXT PAGE   (1/5)
↕SELECT◀▶OPERATE   MENU EXIT

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.

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

III 🗋 🕐 🔌   INITIAL SETUP
▲ PREVIOUS
VIDEO-1MONITOR OUT   ◀OFF▶
TV SPEAKER   ◀ON▶
AUDIO OUT   ◀VARI▶
DIGITAL-IN   ◀SIZE1▶
DIGITAL-IN AUDIO   ◀DIGITAL▶
CENTER CH INPUT   ◀OFF▶
▼ NEXT PAGE   (1/5)
↕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.

Digital-In Audio

This feature is used if you have a DTV or HDMI compatible component connected to your TV.
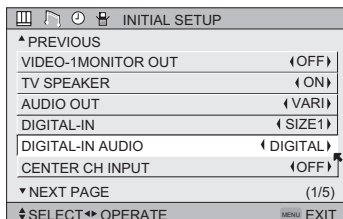
     Press the MENU button

▲▼   To DIGITAL-IN AUDIO

◄►   To select "ANALOG" or "DIGITAL"

     Press the Menu button when finished

```
▥ ▯ ⏱ ⊟  INITIAL SETUP
▲ PREVIOUS
VIDEO-1MONITOR OUT              ◄ OFF ►
TV SPEAKER                      ◄ ON ►
AUDIO OUT                       ◄ VARI ►
DIGITAL-IN                      ◄ SIZE1 ►
DIGITAL-IN AUDIO                ◄ DIGITAL ►
CENTER CH INPUT                 ◄ OFF ►
▼ NEXT PAGE                     (1/5)
⬍ SELECT ◄► OPERATE        MENU EXIT
```

Notes:

• If your DTV or HDMI component is capable of digital audio and video, choose DIGITAL. If your DTV or HDMI component is capable of analog audio and digital video, choose ANALOG.

• Refer to your DTV or HDMI component's instruction manual for more information.

• When you select DIGITAL, select PCM on Digital Sound in the Digital Setup menu. See page 74.

Center CH Input

When you are using a surround system, you can substitute the speaker of this television for the center speaker of your surround system. Set CENTER CH INPUT to ON when you use the speaker as the center speaker of your surround system. The volume differs when the TV is being utilized as the Center Channel Input versus when it is not.
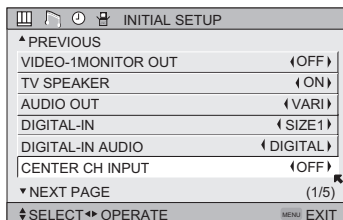
     Press the MENU button

▲▼   To CENTER CH INPUT
◄►   To adjust CENTER CH INPUT to ON or OFF

     Press the MENU button when finished

```
▥ ▯ ⏱ ⊟  INITIAL SETUP
▲ PREVIOUS
VIDEO-1MONITOR OUT              ◄ OFF ►
TV SPEAKER                      ◄ ON ►
AUDIO OUT                       ◄ VARI ►
DIGITAL-IN                      ◄ SIZE1 ►
DIGITAL-IN AUDIO                ◄ DIGITAL ►
CENTER CH INPUT                 ◄ OFF ►
▼ NEXT PAGE                     (1/5)
⬍ SELECT ◄► OPERATE        MENU EXIT
```

Note:

• In order to use the CENTER CHANNEL SPEAKER feature, you need a video signal present as well as sound. Because of that we recommend using this feature for Home Theater setup only. If there is no video signal present, the TV will be muted.

• There are two different volume adjustment levels, one for regular TV and one for TV used as a CENTER CHANNEL. Please remember that when switching CENTER CHANNEL mode ON and OFF in TV menu.

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.
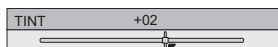
Adjust the Picture Settings

(button)	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
(button)	Press the MENU button when finished

```
▥ PICTURE ADJUST            ⤻ ⏲ ▣
  ▲ PREVIOUS              STANDARD
  TINT       ◄ 00 ►  ═══════╪═══════
  COLOR      ◄ 00 ►  ═══════╪═══════
  PICTURE    ◄ 00 ►  ═══════╪═══════
  BRIGHT     ◄ 00 ►  ═══════╪═══════
  DETAIL     ◄ 00 ►  ═══════╪═══════
  COLOR TEMPERATURE         ◄HIGH ►
  ▼ NEXT PAGE                  (1/2)
  ⬍ SELECT ◄► OPERATE      MENU EXIT
```
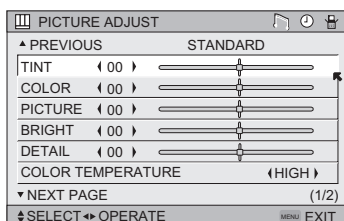
Color Temperature

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

(button)	Press the MENU button
▲▼	To COLOR TEMPERATURE
◄►	To enter

COLOR TEMPERATURE   LOW   HIGH

◄►	To set LOW or HIGH
(button)	Press the MENU button when finished
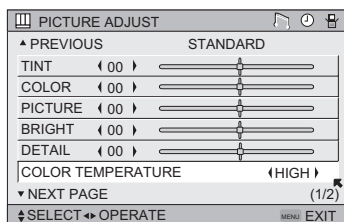
```
▥ PICTURE ADJUST            ⤻ ⏲ ▣
  ▲ PREVIOUS              STANDARD
  TINT       ◄ 00 ►  ═══════╪═══════
  COLOR      ◄ 00 ►  ═══════╪═══════
  PICTURE    ◄ 00 ►  ═══════╪═══════
  BRIGHT     ◄ 00 ►  ═══════╪═══════
  DETAIL     ◄ 00 ►  ═══════╪═══════
  COLOR TEMPERATURE         ◄HIGH ►
  ▼ NEXT PAGE                  (1/2)
  ⬍ SELECT ◄► OPERATE      MENU EXIT
```

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 "ON" or "OFF"

Press the MENU button when finished

COLOR MANAGEMENT
ON
OFF

Dynamic Gamma

JVC's Dynamic Gamma Circuitry (DGC makes it easier to see dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas. DGC is turned on, DGC analyzes and adjusts the total level of picture brightness balance, especially in dark areas where the level of greyscale is often lost, turning completely to black DGC automatically enhances the detail in these dark areas providing a more dynamic image with finer detail, so the optimum picture settings are automatically set for each picture. Normally use with DGC on.

Press the MENU button

▲▼   To DYNAMIC GAMMA
◄►   To enter
▲▼   To turn ON or OFF

Press the MENU button when finished

DYNAMIC GAMMA
ON
OFF

Picture Adjust

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).

👆   Press 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, color management and dynamic gamma) at once to the default settings.

👆   Press the MENU button
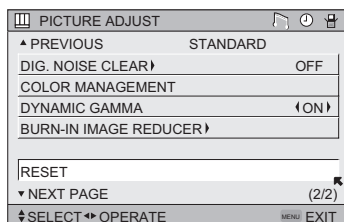
▲▼   To RESET
◄►   To enter

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	
DYNAMIC GAMMA	◄ ON ▶
BURN-IN IMAGE REDUCER ▶	
RESET	
▼ NEXT PAGE	(2/2)
◆ SELECT ◄► OPERATE	MENU EXIT

Sound Adjust

Sound Settings

These settings allow you to change and adjust the sound 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 ▶  ═══════╪═════   │
│                                   │
│                                   │
│ RESET                             │
│ ▼ NEXT PAGE                       │
│ ⬍ SELECT ◀▶ OPERATE    MENU EXIT │
└──────────────────────────────────┘
```
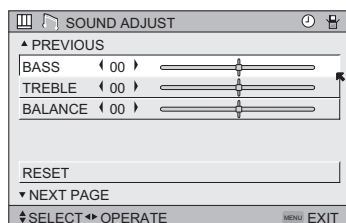
Note:
- You can reset the sound adjustments (BASS, TREBLE and BALANCE) you set at once as the default setting when you select reset. See page 58.
- You can adjust BALANCE only when A.H.S. is off. See page 65.

Reset

Reset resets all Sound Adjustments (Bass, Treble and Balance) at once to the default settings. See page 58 on how to use reset.

Clock/Timers

Set Clock

The set clock function is described on page 28 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.

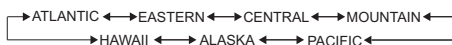⌨ Press the MENU button

▲▼ To SET CLOCK
◄► To enter

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                     -- : -- --
TIME ZONE             ◄ ATLANTIC ►
DATE/YEAR              JAN/01/05
D.S.T.                    ◄ ON ►
       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 hours
◄► To set the hours
▲▼ To move to minutes
◄► To set the minutes
▲▼ To TIME ZONE
◄► To select your time zone:
    (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)
▲▼ To DATE/YEAR
◄► To set the month
▲▼ To day
◄► To set the day
▲▼ To year
◄► To set the year
▲▼ To D.S.T. (daylight savings time)
◄► To turn D.S.T. ON or OFF
⌨ Press OK to start clock

```
🕐 SET CLOCK

MODE                   ◄ MANUAL ►
TIME                     -- : -- --
TIME ZONE             ◄ ATLANTIC ►
DATE/YEAR              JAN/01/05
D.S.T.                    ◄ ON ►
     PRESS OK TO START CLOCK
‡ SELECT ↔ OPERATE          MENU EXIT
```

> THANK YOU !!

⌨ Press the MENU button when finished

Notes:

• D.S.T. can be used when it is set to ON in the SET CLOCK menu.
• Only when the MODE set to AUTO, 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.

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	

```
┌─────────────────────────────────┐
│ 🕐 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 │
└─────────────────────────────────┘
```

▼	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

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.

Button Functions

Multi Screen Function

Your television has two kinds of screen: TWIN (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.

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 38.

Twin

Activate the split-screen option by pressing Twin on the remote control. The channel (or input) you were watching before pressing Twin will appear on the left, the new channel 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 TWIN again or press the BACK button.

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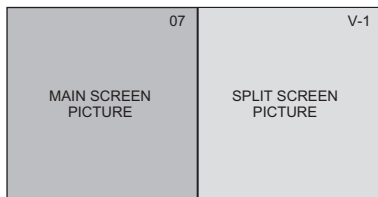
Notes:

• If the signal that you are watching is coming from the HDMI input, you cannot enter the TWIN mode

• Main Screen and Split Screen will not display the same channel or input at the same time.

• You can enter the TWIN 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 DIGITAL-IN terminal will not be displayed.

• The aspect of MAIN CHANNEL PICTURE becomes 16:9 when you input the picture of 480p from the component terminal and DIGITAL-IN 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.

• Aspect does not work in Twin mode.

• When you press the MENU button in Twin mode, it appears only as Picture Adjust menu.

• When it is PC output, Main and Split screen will not be displayed.

Button Functions

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 TWIN 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.

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 12:

0 (Zero)

1 (One)

2 (Two)

Tune

Lets you decide the input channel and select it. After you press the number buttons on the remote, press the TUNE button. For example, to move to channel 12:

1 (One)

2 (Two)

Press the TUNE button

Input

Selects the signal input source for the television: VIDEO-1, 2, 3, 4, DIGITAL-IN or i.LINK for video devices like VCRs, DVD players or camcorders.

Press the INPUT button

By every press of the INPUT button, you can change the input mode.

Notes:

- When you return to TV mode, press the RETURN +/TV button or direct 10 key pad or CHANNEL +/– button.
- You can also access the FRONT CONTROL PANEL screen by using the MENU button on the side of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose INPUT by pressing MENU ▼ on the side panel and choose a mode by using the CHANNEL+/- buttons (◄ OPERATE ►).
- i.LINK can be selected only when you have an i.LINK device connected.
- If you have a PC connected to the TV, select VIDEO-4.

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

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.

Press the 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.

Press the 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, SMART SOUND and A.H.B (Active Hyper Bass) on or off.

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

BBE - BBE High Definition Sound restores clarity and presence for better speech intelligibility and musical realism.

SMART SOUND - Decreases high sound levels, giving a regulated sound level.

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, SMART SOUND or A.H.B.

◄► To choose the setting

Press the MENU when finished

SOUND EFFECT			
A.H.S.	MOVIE	MUSIC	OFF
BBE		ON	OFF
SMART SOUND		ON	OFF
A.H.B.		ON	OFF
‡SELECT ◄►OPERATE		MENU	EXIT

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Note: Smart Sound may become an unnatural effect, depending on the signal source.

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 factory 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.

Note:

• You can also change the mode by pressing the ▲▼ buttons.
• You can also access the FRONT CONTROL PANEL screen by using the MENU button on the side of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose VIDEO STATUS by pressing MENU ▼ on the side panel and choose a mode by using the CHANNEL +/- buttons (◄ OPERATE ►).

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

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

• Turning on or off
• Changing the channel or input mode
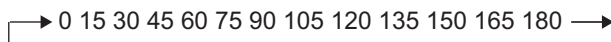• Using multi-screen functions
• If you are in PC mode, Natural Cinema can not be used

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 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 button to delay the shut off for another 15 minutes.

ML/MTS

MTS technology allows several audio signals to be broadcast in analog 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 ML/MTS button

By every press of the ML/MTS button, you change the mode

	MTS
ON AIR	STEREO
ON AIR	SAP
	MONO

Notes:

• When you are receiving a digital broadcast, if there are other languages, you can change the language by pressing the ML/MTS button.

• 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 64.

• ML/MTS will not work when you are using the Digital-In.

• You can also change the mode by pressing the ▲▼ buttons.

Button Functions

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
JAZZ FESTIVAL
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 ⟶
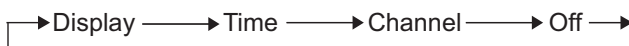
Display - Full screen shown above

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.

C.C. (Closed Caption)

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

Press the C.C. button

```
CLOSED CAPTION
          OFF
SMART CAPTION
           ON
```

Notes:
- SMART CAPTION will appear when you press the MUTING button, only on channels where the broadcast contains closed captioning.
- When you select ON, it will be the mode selected in the Closed Caption Menu.
- See page 48 when you set the caption/text mode.
- You can also change the mode by pressing the ▲▼ buttons.
- If you are in PC mode, C.C. can not be used

Channel +/–

Use these buttons to move up or down all the available channels your TV is able to receive.

Volume +/–

Use these buttons to raise or lower the TV's volume level.

Favorite

The Favorite button allows you to select your favorite channels easily. First, you must register the channels that you like. See how to register below.

Press the FAVORITE button
The favorite channel list will appear.

▲▼ To select the channel you want to watch

Press the OK button
It will change to the channel you have selected.

Register the favorite channel

Press the channel number you want to register
The channel program will change.

Press the FAVORITE button for three seconds
The channel will be registered in the favorite channel list.

FAVORITE	
▲ PREVIOUS	
101	CBS
102	FOX
D103	PBS2
<	>
D107	HBO
8	ABC
▼ NEXT	

Notes:

• Both analog and digital channels can be registered. The digital channels have a "D" in front of the channel number.
• The maximum number of channels you can register is 24.
• If you have registered the maximum number of channels, and try to register more channels, the oldest channel you registered will be deleted.
• Sub channels can not be registered.
• The newest channel you registered will appear at the top of the list.
• Regarding digital channels, see pages 76 - 81.

Delete the favorite channel

Press the FAVORITE button
The favorite channel list will appear.

▲▼ To select the channel you want to delete
◄► To enter
Press the OK button
The channel was deleted.

Press the FAVORITE button when finished

Note:

• Before pressing the FAVORITE button when you are finished, press the ◄► button again, and you can return to the deleted channel.

Button Functions

Aspect

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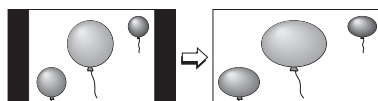
Aspect Ratios

PANORAMA - With this ratio a normal 4:3 aspect picture is stretched to fit the dimensions of the 16:9 aspect screen.
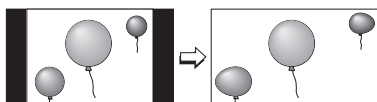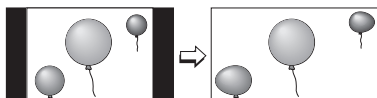
CINEMA - This ratio "zooms in" on the center part of a 4:3 aspect picture, blowing it up to fill the 16:9 screen.
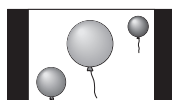
FULL - This is the ratio to use when watching 16:9 High-Definition broadcasts.

PANORAMA ZOOM - This ratio stretches 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 fill the 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 stretches the High-Definition 16:9 aspect image to eliminate the black surrounding bars.

Button Functions

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 | HD (720p)

ASPECT
PANORAMA
CINEMA
FULL
REGULAR

ASPECT
PANORAMA ZOOM
CINEMA ZOOM
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.
- You can also access the FRONT PANEL CONTROL screen by using the MENU button on the side of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose ASPECT by pressing Menu ▼ on the side panel and choose a mode by using the CHANNEL +/- buttons (◄ OPERATE ►).

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.

71

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 30 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 31.

• 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 32.

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 31.

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 32.

Light

All remote control buttons are illuminated, except for the TV/CATV slide switch, VCR/DVD slide switch and Light button. Press the LIGHT button to turn the illumination on for 4 seconds.

Digital Setup

Use this function when you are receiving a digital broadcast.

Press the MENU button

▲▼   To DIGITAL SETUP

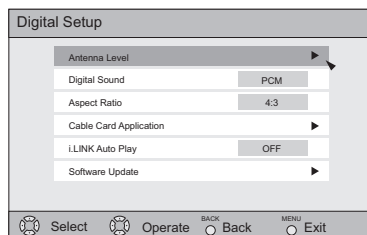◄►   To enter

The onscreen will appear

Digital Setup	
Antenna Level	►
Digital Sound	PCM
Aspect Ratio	4:3
Cable Card Application	►
i.LINK Auto Play	OFF
Software Update	►

Select   Operate   BACK ○ Back   MENU ○ Exit

Notes:

• Software Update will only appear when the SD Card is inserted.

• If you are watching an analog channel, you can still access the digital setup menu at anytime, while you are doing this, the background screen will turn blank. In this case, the tuner will switch to digital, since you are accessing the digital setup menu.

Antenna Level

Confirms the present antenna level.

Press the MENU button

▲▼   To DIGITAL SETUP

◄►   To enter

▲▼   To Antenna Level

◄►   To enter

Antenna Level

75

BACK ○ Back   MENU ○ Exit

Note:
• If you are watching an analog channel or a signal from your i.Link device, antenna level will not appear.

73
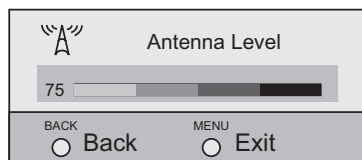
Digital Setup

Digital Sound

You can select the optical digital sound output, either PCM or Dolby Digital when your TV is connected to an amplifier that has Dolby Digital decoder. If you select Dolby Digital, you can enjoy listening in 5.1ch sound when watching digital broadcasts.

(MENU)	Press the MENU button
▲▼	To DIGITAL SETUP
◄►	To enter
▲▼	To Digital Sound
◄►	To select PCM or DOLBY DIGITAL
(MENU)	Press the MENU button when finished

Notes:
• If your amplifier does not have Dolby Digital decoder, select PCM. If you don't select PCM, it cannot output the sound from the speakers.
• For connecting an amplifier using the optical output, see page 20.

DD DOLBY
D I G I T A L

Manufactured under license from Dolby Laboratories. "Dolby", and the double-D symbol are trademarks of Dolby Laboratories.

Aspect Ratio

You can select the aspect mode for ATSC from 4:3 or 16:9.

(MENU)	Press the MENU button
▲▼	To DIGITAL SETUP
◄►	To enter
▲▼	To Aspect Ratio
◄►	To select 4:3 or 16:9
(MENU)	Press the MENU button when finished

Notes:

• Set the mode to 4:3 or 16:9 before you record a program using the ATSC MONITOR OUT.

• Make sure the mode you choose is the same as the TV's aspect ratio when the recorded program is played back, so that you can obtain a good picture quality, free from any unatural distortions.

Cable Card Application

📖 Press the MENU button

▲▼ To DIGITAL SETUP
◄► To enter
▲▼ To Cable Card Application
◄► To enter
📖 Press the OK button

The application will perform

i.LINK Auto Play

When playing a D-VHS tape, you can set it to the i.LINK input automatically, or manually.

📖 Press the MENU button

▲▼ To DIGITAL SETUP
◄► To enter
▲▼ To i.LINK Auto Play
◄► To select ON or OFF

ON: Set to i.LINK input automatically
OFF: Select the input manually

📖 Press the MENU button when finished

Software Update

At first, insert the SD(Multi-media) card into the memory card slot. This function will appear only when you insert an SD Card.

📖 Press the MENU button

▲▼ To DIGITAL SETUP
◄► To enter
▲▼ To Software Update
◄► To enter
▲▼ Checks the card if it needs an update or not

📖 Press the MENU button when finished

Digital Button Functions

Digital CH D/A (Digital/Analog)

The D/A button changes the analog and digital channel. Each time you press the D/A button, you can switch back and forth the analog and digital channels. Digital channels have a "D" in front of the channel number.

Note:

• If the cable card is inserted into the TV, you cannot use the D/A button. You can select a digital channel only.

Press the D/A button

To watch digital channels

For example, to move to channel D23:

Press 2 (Two)

Press 3 (Three)

Press the TUNE button

Sub Channel

The main channel sometimes has minor channels (Sub Channels). By using the SUB button, you can select a sub channel easily.

For example, to move to sub channel 123-45:

Press 1 (One)

Press 2 (Two)

Press 3 (Three)

Press the SUB button

Press 4 (Four)

Press 5 (Five)

Press the TUNE button

Note:

• If there are more than 2 major channels, select the digital channel by using the ▲▼ buttons and then press the OK button.

Digital Button Functions

i.LINK Menu

i.LINK has two menus - Controller and Device.

By connecting a D-VHS VCR with an i.LINK cable, you can set the timer easily.

Notes:

• The i.LINK/Timer function will only work when you are receiving digital programming only.

• As for the connection of a D-VHS VCR with the i.LINK cable, see page 26.

• When operating the i.LINK, don't insert or disconnect the i.LINK cable.
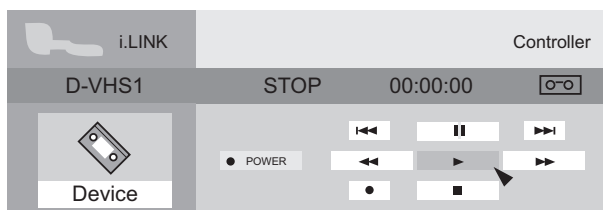
Controller

You can operate a D-VHS VCR connected with an i.LINK cable by using this controller.

Notes:

• If the i.LINK is not connected, the Controller OSD will not appear. The OSD of device on page 78 will appear.

• Some controller operations may differ from your D-VHS VCR operations.

Press the i.LINK MENU button

i.LINK		Controller
D-VHS1	STOP 00:00:00	
Device	POWER	

◄► ▲▼ To select the key you want to operate

Press the OK button

Digital Button Functions

Device

To operate, select a device.
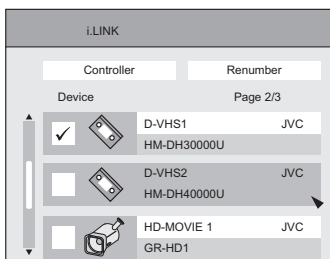
▲▼	To select your device connecting with i.LINK
👆	Press the OK button

Notes:

• If you do not select the device, you cannot use the i.LINK timer functions.

• When one device is selected and you select controller, you will move to the Controller onscreen.

• The devices listed on the device onscreen are only D-VHS and HD-MOVIE that have i.LINK, which can be recognized on this television. However, you can not record programs to HD-MOVIE.

• If you disconnect one device, it will be removed from the list. Then, select Renumber to rearrange the list in the new order.

Digital Button Functions

Timer

You can set the two timers: Record and view. The timer starts the recording or turns to the channel you set for it automatically.

Reservation

👆   Press the TIMER button

▲▼   To New Reservation

👆   Press the OK button
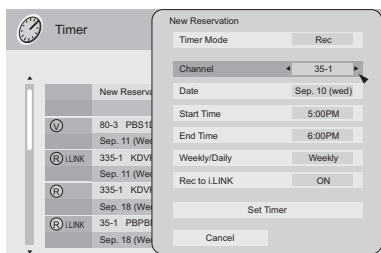
▼	To Timer Mode	
◀▶	To select Rec or View	
▼	To Channel	
◀▶	To select the channel you want to set the timer for	
▼	To Date	
◀▶	To select the date	
▼	To Start Time	
◀▶	To set the start time	
▼	To End Time	
◀▶	To set end time	
▼	To Weekly/Daily	
◀▶	To select Once, Weekly, Daily(Sun.-Sat.), Daily(Mon.-Sat.) or Daily(Mon.-Fri.)	
▼	To Rec to i.LINK	
◀▶	To select ON or OFF	
▼	To Set Timer	

👆   Press the OK button

If you set the Rec on timer mode, set recording R *is added in front of the program title.*

If you set the View on timer mode, set viewing V *is added in front of the program title.*

Notes:

- In order for the timer setting to work, you must set the clock on your television. See page 60.

- When you want to edit the timer settings, see Timer Edit on page 80.

Digital Button Functions

Timer Edit

When you want to confirm the timer you set or edited, or delete the timer setting, use this function.
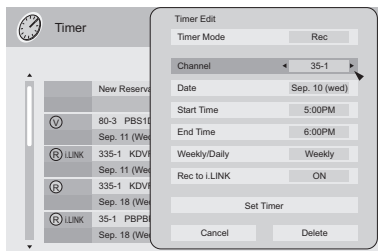
Timer Edition

 Press the TIMER button

▲▼ To select the timer list you want to edit

 Press the OK button

◀▶ ▲▼ To change the setting you want to edit

▼ To Set Timer

 Press the OK button

Timer Deletion

 Press the TIMER button

▲▼ To select the timer list you want to delete

 Press the OK button

▲▼ To Delete

 Press the OK button

Digital Button Functions

Cancel the timer recording

When you record a digital program now, you can cancel the recording.

Press the TIMER button

▲▼ To select the timer list you want to cancel the recording

Press the OK button

> The message "Do you want to terminate current program ?" will appear.

◄► To select

> **YES:** Cancel the recording
> **NO:** Continue the recording

Press the OK button

🕐 Timer	Sep. 10 (Wed)	4:55PM

Page 1/1

New Reservation

Do you want to terminate current program?

No   Yes
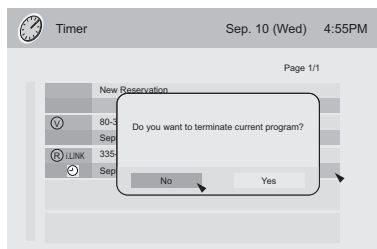
Guide

You can view the program from the GUIDE.

Notes:
- The GUIDE function will only work when you are receiving digital programming only.
- The GUIDE will not show the correct time and date if you have not performed the set clock function on your television. See page 60.

OSD Information

Weak Signal

This OSD warning appears when the digital channel that you have selected is too weak to receive or no signal is being detected for that channel.
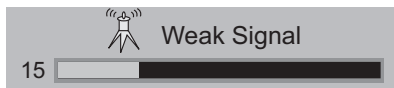
No Program

If the TV channel you selected, or were watching is not receiving a signal, "NO PROGRAM" appears on the television screen. It appears when that channel is not receiving a signal and you have the Noise Muting function OFF and you have a single screen. It moves automatically every two seconds to prevent the screen from burn-in.

Note:

• Even if "NO PROGRAM" appears on the screen, your timer functions and auto shut off functions that you set, are still active.

Cable Card Information

Cable card offers information when a cable card is inserted into the CABLE CARD slot underneath the television.

Notes:

• Please contact your local cable company regarding detailed information.
• When the cable card is inserted into the cable card slot, if you turned the power off, the fan will continue to rotate because the program information is being renewed. This is normal.

Cable Card Connection
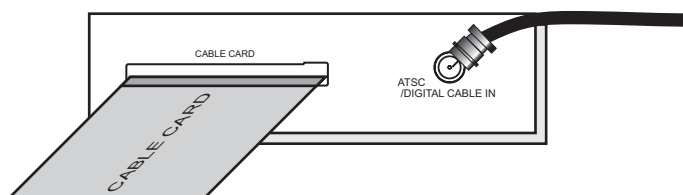
Note for inserting Cable Card:

• When you are watching a digital program, and if a weather or government emergency occurs, the following may occur automatically regardless of what channel you were watching: the channel may change, the screen will disappear or important text will appear on the screen. The information is transmitted from EAS (Emergency Alert System), Firmware Upgrade of Cable Card or compulsory HTML.

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	• See if the power cord became unplugged. • Check for a blown fuse or circuit breaker or a power outage.
There is no picture or sound	• The antenna could be disconnected. • The input mode could be set improperly. See page 64. • The tuner (Auto Tuner Setup) could be set improperly. See page 37. • 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).
You cannot select a certain channel	• Make sure the channels have been programmed. See "Channel Summary", page 39. • Check to see if the channel is locked. See "Channel Summary - Lock" page 40.
The power turns off by itself	• Make sure the set did not become unplugged. • Perhaps the On/Off Timer is set. See page 61. • Check to see if the Sleep Timer was set. See page 67.
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 electrical plug from the wall outlet and wait a while before inserting it into the wall outlet again and operating the television.
The clock is wrong	• The power was interrupted and the clock was not reset. See page 60.
The color quality is poor	• Tint and Color may be improperly adjusted. See page 56. • The Video Status mode may be turned to the wrong setting. See page 66.
There are lines 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 hairdryer or vacuum, operating nearby. Move the antenna away from the appliance or change to a coaxial cable connection which is less prone to interference.
There are double pictures (ghosts)	• A building or passing airplane can reflect 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. 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, page 48.
Stereo or bilingual programs can't be heard	• Make sure the MTS settings are correct. See page 67.

PROBLEMS	CHECK
There is no sound from the TV's speaker	• The Center CH Input may be turned on. See page 55. • The TV Speaker option may be turned off. See page 54.
Static electricity	• It is normal to feel static electricity if you brush or touch the screen.
You hear occasional crackling sounds	• It is normal for the TV to make crackling sounds when first turned on or off. Unless the sound or picture become abnormal, this is fine.
The AUTO DEMO finished automatically	• The TV recieved a signal from the AV CompuLink • The On Timer that you programmed has started. • The channel that the AUTO DEMO is using is a channel that is blocked by V-Chip. • The Auto Shut Off that you programed has occured.
It does not operate correctly	• Press the CHANNEL- and VOLUME- buttons on the front panel of the TV simultaneously for a few seconds. The Digital Tuner will be reset. If this does not reset it correctly, unplug the power cord and plug it back in.

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.

JVC® LIMITED WARRANTY

For Canadian model televisions, see separate sheets for Canadian Warranty information.

JVC COMPANY OF AMERICA (JVC) warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL RETAIL PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period shown below. ("The Warranty Period")
FOR DIRECT-VIEW COLOR TELEVISION, PICTURE TUBE is covered for Two(2)years.

Parts	Labor
1 YEAR	**1** YEAR

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE 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 with new or rebuilt equivalents at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products may be brought to a JVC authorized service center on a carry-in basis. Color televisions with a screen size of 27" or greater qualify for in-home service. In such cases, a technician will come to your home and either repair the TV there or remove and return it if it cannot be repaired in your home.

WHAT YOU MUST DO FOR WARRANTY SERVICE:
Please do not return your product to the retailer
Instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website http://www.jvc.com. If your product qualifies for in-home service, the service representative will require clear access to the product.

If you have any questions concerning your JVC Product, please contact our Customer Care Center at 800-252-5722

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;
2. Initial installation, installation and removal from cabinets or mounting systems.
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensors are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
9. Products used for commercial purposes, including, but not limited to rental.

There are no express warranties except as listed above.

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

JVC SHALL NOT BE LIABLE FOR ANY LOSS OF USE OF THE PRODUCT, INCONVIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTAL (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 an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL 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 : _____

TO OUR VALUED CUSTOMER ─────

THANK YOU FOR PURCHASING THIS JVC PRODUCT.

WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

NEED HELP ON HOW TO HOOK UP?
NEED ASSISTANCE ON HOW TO OPERATE?
NEED TO LOCATE A JVC SERVICE CENTER?
LIKE TO PURCHASE ACCESSORIES?

JVC® IS HERE TO HELP!
TOLL FREE: 1(800)252-5722
http://www.jvc.com

Remember to retain your Bill of Sale for Warranty Service.

───── **Do not attempt to service the product 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.

Specifications

Model	PD-42X776
Type	Plasma Screen
Reception Format	NTSC, BTSC System (Multi-Channel Sound) ATSC Terrestrial, Digital Cable
Reception Range	VHF 2 to 13, UHF 14 to 69 CATV 135 Sub, Mid, Super, Hyper and Ultra bands (191 channel frequency synthesizer system) • Reception of channel A-5 ("95" of the TV set's on-screen cable channel numbers) is not recommended for your TV set.
Power Source	AC 120V, 60 Hz
Power Consumption	390W
Screen Size	42 inch / 107.5 cm measured diagonally, 16:9 ratio
Audio Output	10W + 10W
Speakers	6.6 cm round x 4
Antenna Terminal (VHF/UHF, ATSC/DIGITAL CABLE IN)	75 ohms (VHF/UHF)(F-type connector)
External Input Jacks	Video: 1 Vp-p, 75 ohms Audio: 500 mVrms (-4dBs) high impedance
Component Input Jack	Y: 1Vp-p positive, 75 ohms (negative sync provided) Pb/Pr: 0.7 Vp-p 75 ohms
S-Video Input Jacks	Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms
Monitor/Recording Output	Video: 1Vp-p, 75ohms Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms Audio: 250mVrms (-10dBs) Fs-18dB Low Impedance
Audio Output Jacks (VARI/FIX)	VARI: More than 0 1000mVrms (+2.2dBs) FIX: 500mVrms (-4dBs) Low impedance (400 Hz when modulated 100%)
Optical Output Digital Audio	Digital Out (optical) x 1
i.LINK In/Out Jack	TS IN/OUT (4-pin, S400) x 2 IEEE1394 compliant DTCP digital copy protection compatible
AV CompuLink III Jack	3.5 mm mini jack X 1
PC Input Jack	Analog RGB D-SUB (15 pin) x 1 • PC signal is available. Refer to page 25 for details on the signals which can be input.
Digital–In	HDMI jack x 1 Note: The Digital–In terminal is not compatible with picture signals of a personal computer
Dimensions (inch/cm) W X H X D	41 1/4 x 31 1/8 x 12 7/8 / 104.5 x 78.9 x 32.5 (with the stand) 41 1/4 x 28 3/4 x 4 3/8 / 104.5 x 72.9 x 11 (without the stand)
Weight (lbs / kg)	106.7 / 48.5 (with the stand) 83.9 / 38.1 (without the stand)
Accessories	Refer to "unpacking your TV", page 9

Specifications subject to change without notice.

• The open source software is embedded in this product. For more information, please go to: http://software.jvc.com/opensource/lnx/DP/04_AtscCC/download.html.

Notes

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