JVC®

LCD Flat Television Users Guide

For Models:
LT-37X776
LT-32X776
LT-26X776

Illustration of LT-32X776 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:

LCT1881-001A-A
0405TNH-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 RECYCLING INFORMATION

This product has a fluorescent lamp that contains a small amount of mercury. It also contains lead in some components. Disposal of the materials may be regulated in your community due to environmental considerations. For disposal or recycling information, please contact your local authorities, or the Electronic Industries Alliance:

http://www.eiae.org

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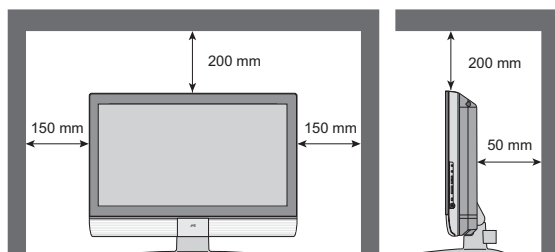
17) Cautions for installation
— Do not tilt the TV towards the left or right, or towards the back.
— Install the TV in a corner on the floor so as to keep cords out of the way.
— The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to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

Warnings

Avoiding Ghost Images

Displaying fixed images for extended periods of time can leave a subtle but temporary ghost image on your screen. To avoid this, mix your viewing pattern.

Examples include, but are not limited to the following:

For example...

- Stock-market report bars
- Shopping channel logos and pricing displays
- Video game patterns or scoreboards
- Bright station logos
- Internet web sites or other computer-style images.
- DVD discs, video tapes, laser discs
- Broadcast, cable, satellite channels or digital television tuners/converters.

TV on   TV off
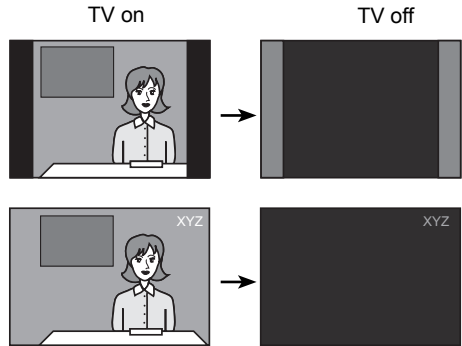
Caring for the Cabinet

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

The screen is treated with an electrostatic-proof coating. When it gets dirty, wipe it gently with a soft cloth. If the screen is very dirty, wipe it down with a cloth dipped in a diluted kitchen cleaner and thoroughly wrung-out. Then wipe immediately after with a clean, dry 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.

Do not push or hit the screen. This could cause scratches on the screen surface and image distortions.

Warnings (Continued...)

How to move the cabinet

Your fingers may become trapped under the TV, causing injuries. Hold the TV at the bottom in the middle, and do not allow the TV to tilt up or down.
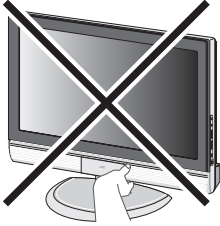
The TV may fall causing injuries. Hold the bottom of the stand with your hand and tilt the TV up or down.

Table of Contents

Table of Contents

Thank you for your purchase of a JVC LCD Flat Television. Before you begin setting up your new television, please check to make sure you have all of the following items. In addition to this guide, your television box should include:

1 Television   1 Remote Control   Two AA
                                                              Batteries

Note: Your television and/or remote control may differ from the examples illustrated here.
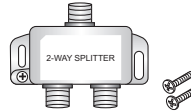
RF Cable × 2   Two Way Splitter x 1

Quick Setup   TV Models

NOTE: Before you connect your television to another device, please refer to the proper diagrams for your specific TV and remote. These will help assist you in understanding how to connect your television to another device, as well as use the remote to set up your television.

Rear Panel Diagram

Side Panel Diagram

Illumination Lamp
(Page 45)
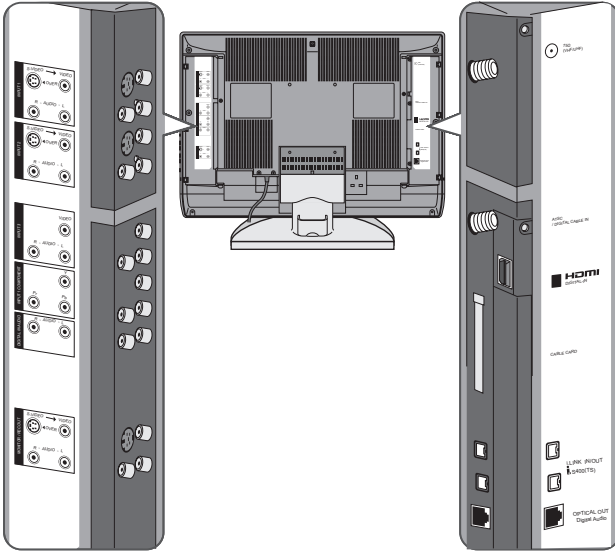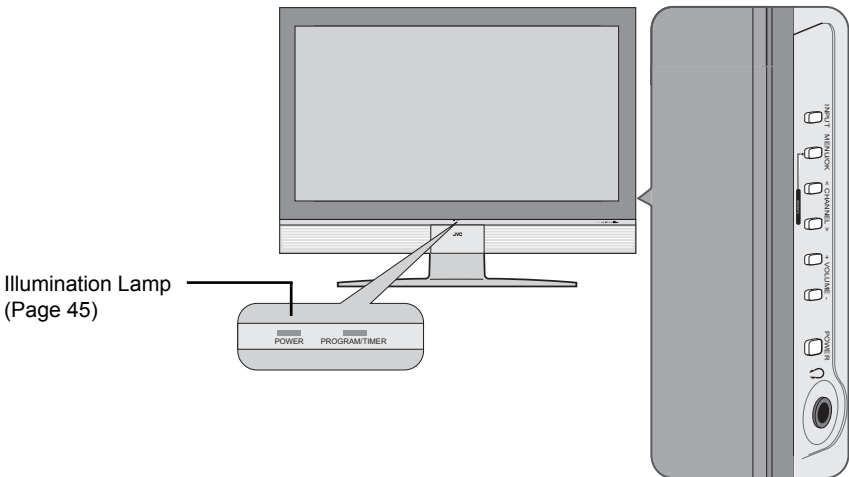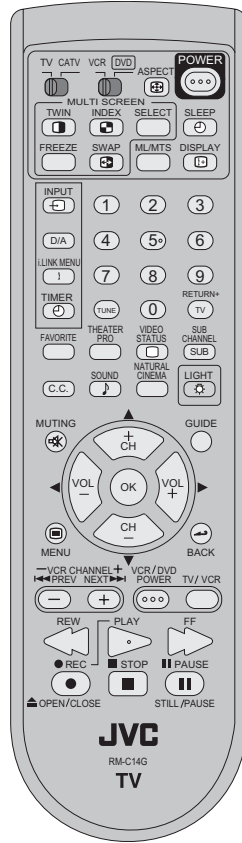
RM-C14G

Notes:

- For information on remote control buttons, see pages 59 - 69 and 73 - 78.
- 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 four easy steps, with the basic information you need to begin using your new television right away.

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

Step 1 - 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 5° up, 10° down and 20° to the left or right.

These illustrations are for LT-26X776 and LT-32X776. The stand for the LT-37X776 is different. You can only adjust the direction of the TV screen 20º to the left or right.

Tilt the TV up or down

While holding the bottom of the stand with one hand, use your other hand to hold the middle of the top of the TV, and slowly tilt the TV up or down.

• As a safety measure, the stand is constructed so that it requires a certain amount of force to tilt the TV.

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.
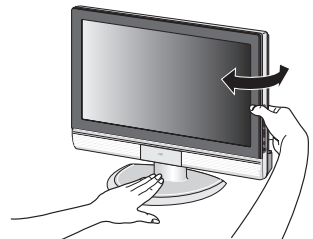
Cable Holder

A cable holder which keeps your connection cables tidy is attached on the back of the stand. Gently squeeze the left and right of the cable holder, and pull it to remove it from the stand. After putting the cables in the cable holder, attach it to the back of the stand again.

Cable Holder
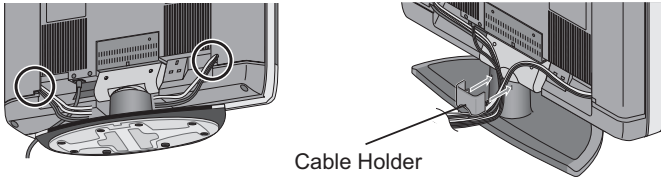
Illustration of LT-32X776 and LT-26X776
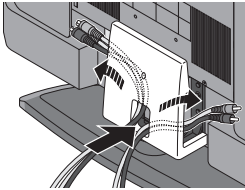
Illustration of LT-37X776

Remove the terminal cover

There are connection terminals behind the covers on the left and right in the back of the TV. Remove these two covers before connecting an antenna or other devices. The covers can be removed by removing the hooks. When replacing the covers, place the side of the covers against the TV and insert the hooks.

Note:
• Leave the terminal covers off if they do not fit properly. Do not force to replace the covers. Doing so may damage the connection cables and covers.

Illustration of LT-32X776 and LT-26X776   Illustration of LT-37X776

13
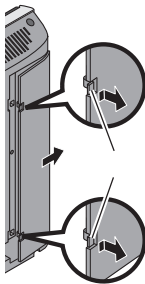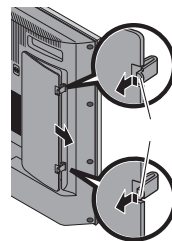
Step 2 – The Remote Control

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

Slide the cover on the back of the remote down towards the bottom of the remote control. Insert two batteries (included) carefully noting the "+" and "–" markings, placing the "–" end in the unit first. Slide the cover back into place.
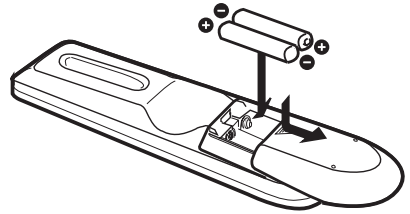
When you change the batteries, try to complete the task within three minutes. If you take longer than three minutes, the remote control codes for your VCR, DVD, and/or cable box/satellite receiver may have to be reset. See pages 28 - 31.

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.
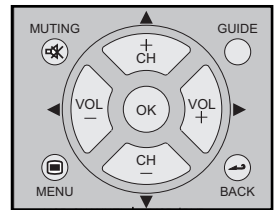
Basic Operation

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 28 to 31 for instructions on programming your remote control to operate a cable box, VCR or DVD player.
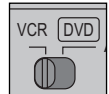
Step 3 - Connecting your devices

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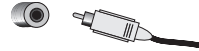
Used to connect audio/video devices like VCRs, DVD players, stereo amplifiers, game consoles, etc.

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

Coaxial Cable (Attachment)

75Ω (VHF/UHF)

IN OUT OUT

Two-way Splitter (Attachment)

ATSC / DIGITAL CABLE IN

TV Rear Panel
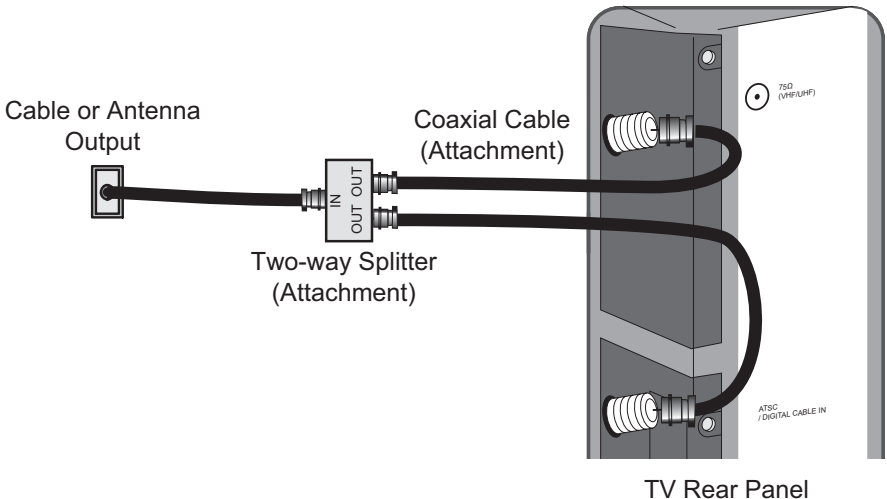
VCR Connection

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
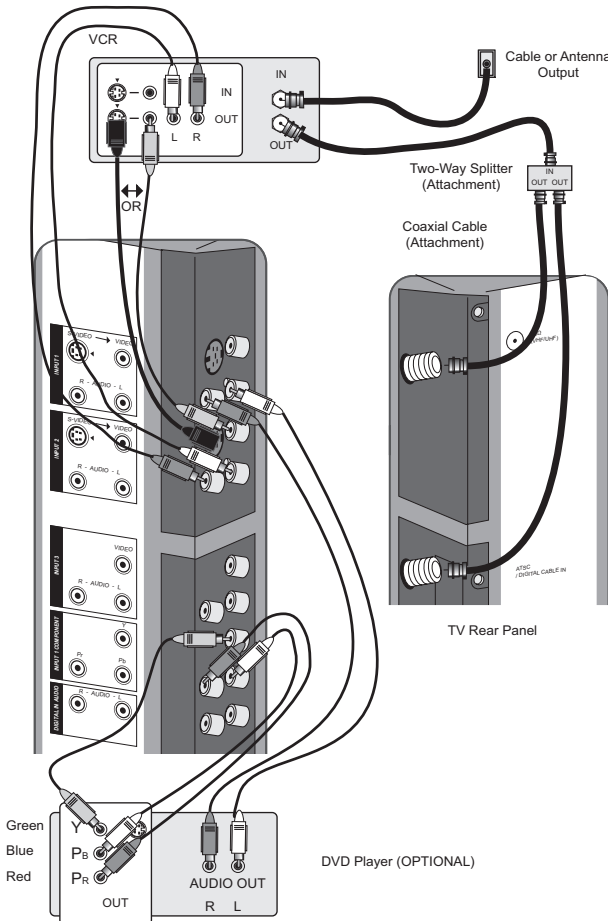
Note:

- If this connection setup does not work for you, try the connection setup on page 17.

Diagram #2

VCR

IN

OUT

L R

IN

OUT

Cable or Antenna Output

Two-Way Splitter

IN
OUT OUT

Two-Way Splitter (Attachment)

IN
OUT OUT

Coaxial Cable (Attachment)

OR

S-VIDEO — VIDEO

INPUT 1

R - AUDIO - L

S-VIDEO — VIDEO

INPUT 2

R - AUDIO - L

VIDEO

INPUT 3

R - AUDIO - L

INPUT 1 COMPONENT

Y

Pr   Pb

DIGITAL IN AUDIO

R - AUDIO - L

75Ω
(VHF/UHF)

ATSC
/ DIGITAL CABLE IN

TV Rear Panel

Green   Y

Blue   P_B

Red   P_R

OUT

AUDIO OUT

R   L

DVD Player (OPTIONAL)

17

Connecting to a Camcorder

You can connect a camcorder to you televison by using the input jacks located on the back of the television.

TV Rear Panel

CAMCORDER

OR
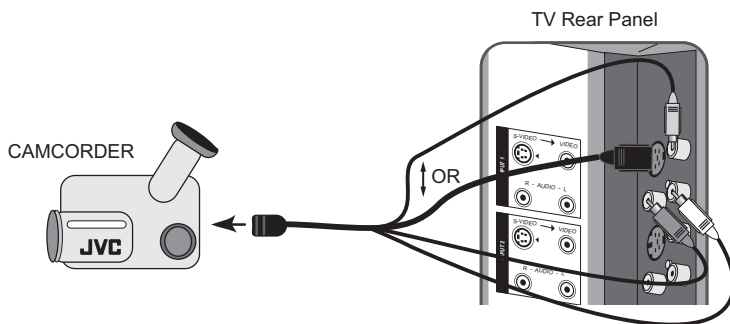
1) Connect a yellow composite cable from the camcorder VIDEO OUT, into the VIDEO IN on the back of the TV, **OR** connect an S-Video cable from the camcorder to the back of the TV.

2) Connect a white cable from the camcorder LEFT AUDIO OUT, into the LEFT AUDIO IN on the back of the TV.

3) Connect a red cable from the camcorder RIGHT AUDIO OUT, into the RIGHT AUDIO IN on the back 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 back of the TV.

Headphone Connection

You can connect a pair of headphones to the television using the headphone jack located on the side of the television.

1) Plug a headphone jack into the headphone jack on the television's side panel.
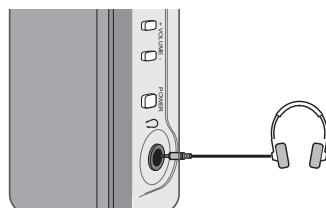
TV Side Panel

Connecting to an External Amplifier

TV Rear Panel

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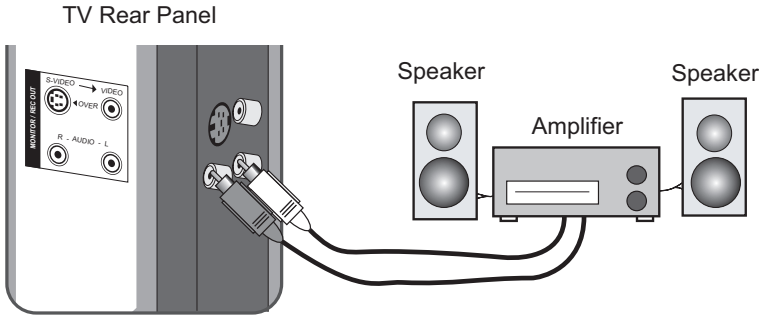
1) Connect a white cable from the LEFT AUDIO OUTPUT on the back of the TV to the LEFT AUDIO INPUT on the amplifier.
2) Connect a red cable from the RIGHT AUDIO OUTPUT on the back of the TV to the RIGHT AUDIO INPUT on the amplifier.

Notes:

• Refer to your amplifier's manual for more information.
• You can use AUDIO OUTPUT for your home theater system.
• DVI analog sound can not be outputted.

Connecting to Monitor/Recording Output Terminal

OR

VCR

IN   IN
OUT   OUT

TV Rear Panel
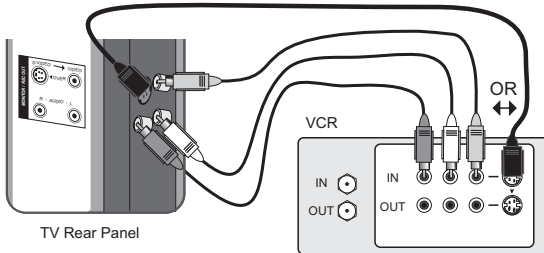
Notes:

• When you make this connection, set the Video-1 Monitor Out menu to ON. See page 51.
• 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.

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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.

TV Rear Panel
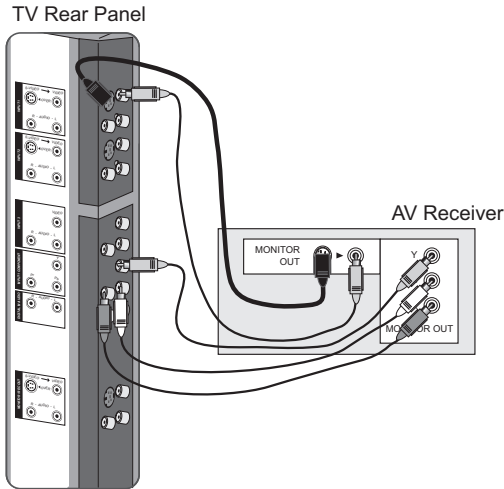
AV Receiver

1) Connect an S-Video Cable from the AV Receiver's MONITOR OUT, to the S-Video INPUT-1 on the back of your television.

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

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 television.

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

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

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 Receivers 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 a Digital TV Receiver

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

TV Rear Panel

DTV Decoder

DIGITAL OUT   AUDIO OUT
                  L   R

HDMI to DVI Cable

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

TV Rear Panel
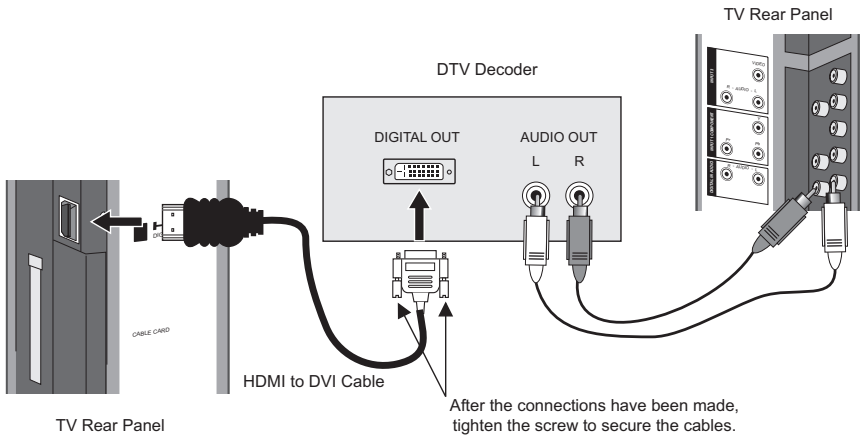
1) Connect the HDMI to DVI Cable from the DIGITAL OUT on the back of your DTV decoder, to the DIGITAL-IN on the back of your television.

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 52.)

• When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to ANALOG. See "DIGITAL-IN AUDIO", page 52.

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).

HDMI Compatible Device

HDMI Cable

TV Rear Panel
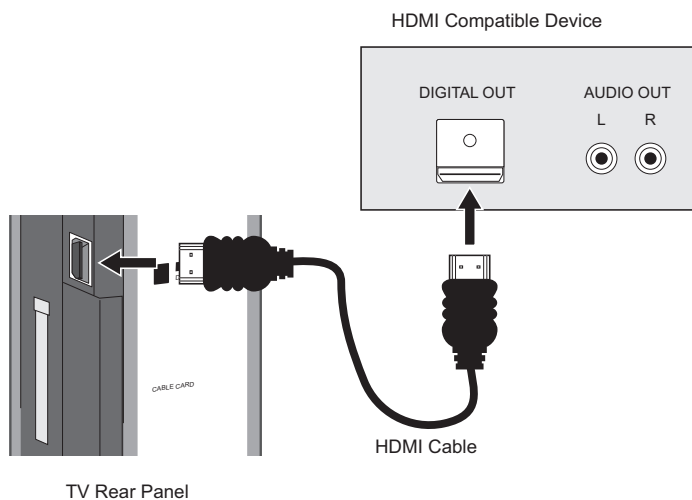
1) Connect the HDMI Cable from the DIGITAL OUT on the back of your DTV or HDMI device, to the DIGITAL-IN on the back of your television.

Notes:

• When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to DIGITAL. See "DIGITAL-IN AUDIO", page 52.

• 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 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 Rear Panel
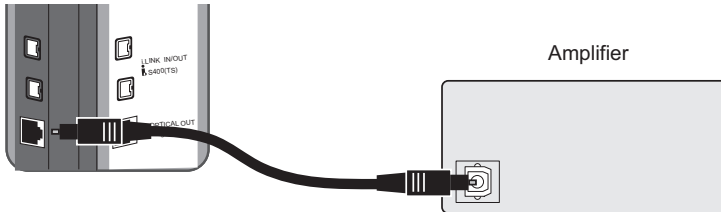
Amplifier

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 71.

• Refer to your owners manual on using your amplifier.

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 Rear Panel

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

OPTICAL OUT
Digital Audio

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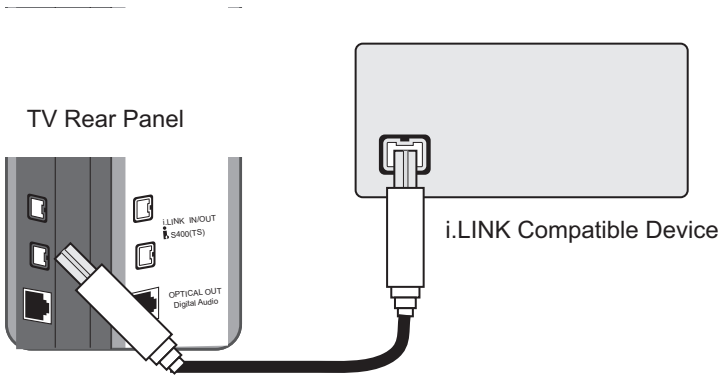
1) Connect the i.LINK cable from underneath the TV to the back of the i.LINK compatible device.

Notes:

• Use only the S400 i.LINK cable when connection your devices.
• See page 74 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 45, 57, 35.

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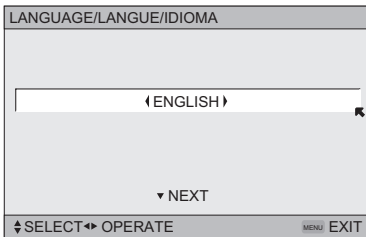
◄►   To choose a language:
             (English, Français or Español)

▼   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
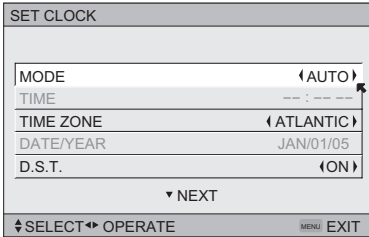
◀▶	To choose AUTO
▼	To TIME ZONE
◀▶	To select your time zone: (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)
▼	To move to D.S.T. (Daylight Savings Time)
◀▶	To turn D.S.T. ON or OFF
▼	To NEXT (To Auto Tuner Setup)

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
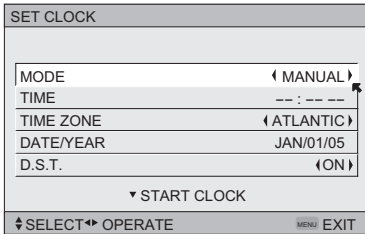
◀▶	To choose MANUAL
▼	To TIME
◀▶	To set the hour
▼	To minute
◀▶	To set the minute
▼	To TIME ZONE
◀▶	To select your time zone: (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)
▼	To DATE/YEAR
◀▶	To set the month
▼	To day
◀▶	To set the day
▼	To year
◀▶	To set the year
▼	To move to D.S.T. (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
```
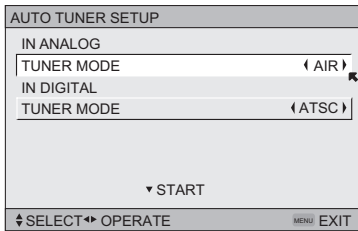
◀▶   To choose CABLE or AIR (or SKIP when you skip Analog Auto Tuner Setup)

▲▼   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.

```
📡  Now Programming...
         20
```

⬅

```
        NOW
  PROGRAMMING !
     ▶▶▶ 🖵 ▶▶▶
        48
```
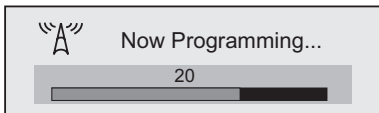
When the setup is finished, "THANK YOU ! SETUP IS NOW COMPLETE" is displayed. Your quick setup is now complete. You can now begin watching your television, or you can continue on in this guide for more information on programming your remote control, or using the JVC onscreen menu system to customize 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 31.

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 31.

• 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 31.

• 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+/TV 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+/TV. 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+/TV to exit.

VCR/DVD Search Codes Function

1) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "VCR" or "DVD".
2) Press the VCR or DVD POWER and RETURN+/TV 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+/TV. 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+/TV 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 side panel instead of the remote, an additional menu screen showing 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   │
└─────────────────────────────────────┘
```
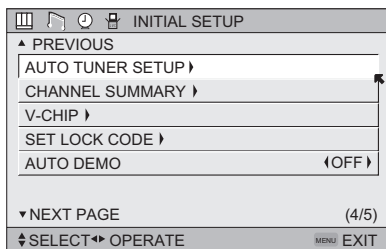
Note:
- Menus shown in this book are illustrations, not exact replications of the television's onscreen displays.

Onscreen Menus

The Onscreen Menu System

Your television comes with JVC's onscreen menu system. The onscreen menus let you make adjustments to your television's operation simply and quickly. Examples of the onscreen menus are shown on the next page. Detailed explanations on using each menu follow later in this guide. For information about the interactive plug-in Menu, see pages 25 - 27.

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.
CLOSED CAPTION▸

Selected Option (Blue)
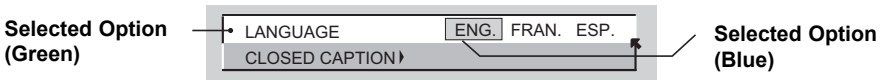
To move to a different feature use the ▲ ▼ arrows to move up or down the list. When you press the up arrow at the top of the list or the down arrow at the bottom, the next menu screen will appear. Use the arrows ◄ ► to select an option from the highlighted feature. Pressing MENU on the remote control 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)
- ▲ 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
- ▲ PREVIOUS
- SET CLOCK ▶
- ON / OFF TIMER ▶
- ▼ NEXT PAGE
- ‡SELECT ◆▶ OPERATE   MENU EXIT

CLOCK/TIMERS

INITIAL SETUP (1/5)
- ▲ PREVIOUS
- VIDEO-1 MONITOR OUT ◀OFF▶
- DIGITAL-IN ◀SIZE1▶
- DIGITAL-IN AUDIO ◀DIGITAL▶
- ▼ NEXT PAGE (1/5)
- ‡SELECT ◆▶ OPERATE   MENU EXIT

INITIAL SETUP 01

INITIAL SETUP (5/5)
- ▲ PREVIOUS
- DIGITAL SETUP ▶
- ▼ NEXT PAGE (5/5)
- ‡SELECT ◆▶ OPERATE   MENU EXIT

INITIAL SETUP 05

SOUND ADJUST
- ▲ PREVIOUS
- BASS ◀ 00 ▶
- TREBLE ◀ 00 ▶
- BALANCE ◀ 00 ▶
- RESET
- ▼ NEXT PAGE
- ‡SELECT ◆▶ OPERATE   MENU EXIT

SOUND ADJUST

INITIAL SETUP (2/5)
- ▲ 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   STANDARD
- ▲ PREVIOUS
- TINT ◀ 00 ▶
- COLOR ◀ 00 ▶
- PICTURE ◀ 00 ▶
- BRIGHT ◀ 00 ▶
- DETAIL ◀ 00 ▶
- ENERGY SAVER MODE ▶
- ▼ NEXT PAGE (1/2)
- ‡SELECT ◆▶ OPERATE   MENU EXIT

PICTURE ADJUST 01

PICTURE ADJUST   STANDARD
- ▲ PREVIOUS
- COLOR TEMPERATURE ◀HIGH▶
- DIG. NOISE CLEAR ▶ OFF
- COLOR MANAGEMENT ▶ OFF
- DYNAMIC GAMMA ▶ OFF
- SMART PICTURE ▶ ON
- RESET
- ▼ NEXT PAGE (2/2)
- ‡SELECT ◆▶ OPERATE   MENU EXIT

PICTURE ADJUST 02

INITIAL SETUP (3/5)
- ▲ PREVIOUS
- ILLUMINATION ▶ ◀LOW▶
- 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 70.

Auto Tuner Setup

The auto tuner setup function is described on page 27 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 │
└─────────────────────────────────────┘
```
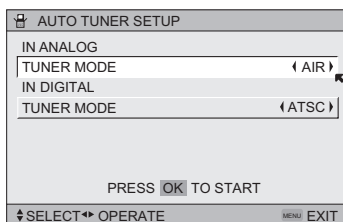
Programming will take approximately 2 to 4 minutes. The auto tuner is finished when the message **PROGRAMMING OVER!** appears onscreen.

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

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 Cable 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 Cable 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.)*

🖐	Press the MENU button	
▲▼	To CHANNEL SUMMARY	
◄►	To operate	
▲▼	To the ID column	
🖐	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

🖐   Press the OK button to finish

Your characters are now set

🖐   Press the MENU button when finished

```
🔒 ID

CHANNEL 09          ■ ■ ■ ■

RESET


        PRESS OK TO FINISH

⬍ SELECT ◄► OPERATE        MENU  EXIT
```
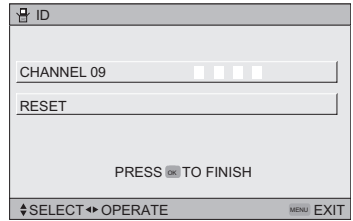
If you want to reset the characters you set:

🖐   Press the MENU button

▲▼   To CHANNEL SUMMARY

◄►   To operate

▲▼   To the ID column

🖐   Press the OK button to enter

▲▼   To select RESET

🖐   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.

🖐   Press the MENU button

▲▼   To CHANNEL SUMMARY

◄►   To operate

▲▼ ◄►   To the Lock Column (🔒)

🖐   Press the ZERO button to lock or unlock that channel

🖐   Press the MENU button when finished

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 44.

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 39 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
```
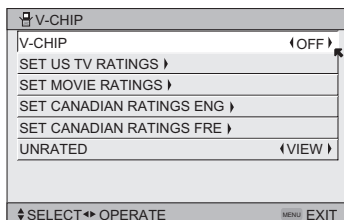
Unrated Programs

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
```
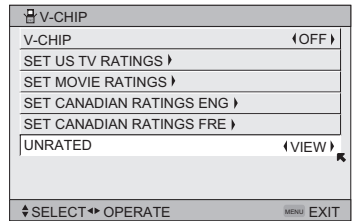
Initial Setup

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

Press the MENU button

To V-CHIP
To operate (lock icon 🔒 appears)
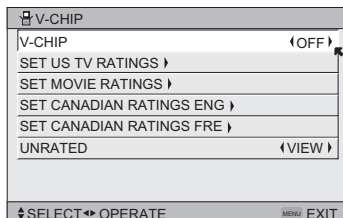
Press ZERO to access the V-Chip menu

To turn V-Chip ON or OFF

To move to SET US TV RATINGS

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

Press the OK button to lock

Press the MENU button when finished

```
┌─────────────────────────────────────┐
│ 🔒 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   │
└─────────────────────────────────────┘
```
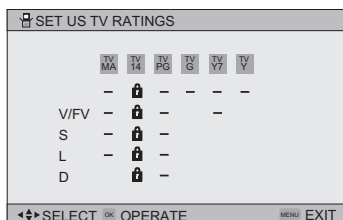
Note:

• 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.

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 │
└─────────────────────────────────────┘
```
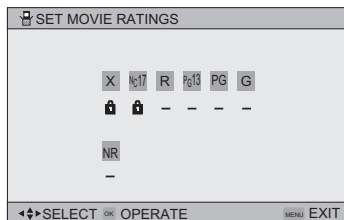
Canadian V-Chip Ratings

❒ **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
```
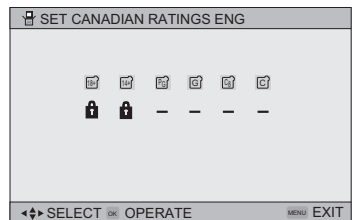
Note:
• For instructions on "SET CANADIAN RATINGS FRE (in French)", please see page 43 in the French side of this user's guide.

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
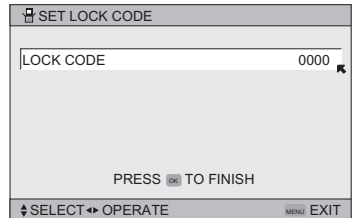
▲▼　To move to the next digit

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 🆗 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

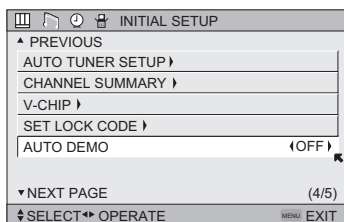This function lets you preview the Dynamic Gamma demo.

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 BACK button.

```
Ⅲ  🗋  ⏱  🔒  INITIAL SETUP
  ▲ PREVIOUS
  AUTO TUNER SETUP ▶
  CHANNEL SUMMARY ▶
  V-CHIP ▶
  SET LOCK CODE ▶
  AUTO DEMO                    ◀OFF▶

  ▼NEXT PAGE                      (4/5)
  ↕SELECT ◀▶ OPERATE         MENU EXIT
```

Illumination

The illumination feature allows you to adjust the brightness of the light on the front of the television. When you turn the power on the televison, the front panel light remains on when illumination is set to LOW or HIGH.
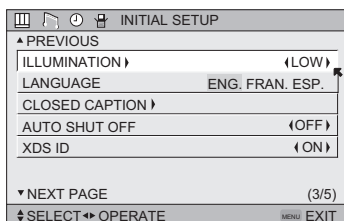
Press the Menu button

▲▼   To ILLUMINATION
◀▶   To choose HIGH, LOW or OFF

Press the MENU button when finished

```
Ⅲ  🗋  ⏱  🔒  INITIAL SETUP
  ▲ PREVIOUS
  ILLUMINATION ▶                ◀LOW▶
  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 25 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

```
Ⅲ  🗋  ⏱  🔒  INITIAL SETUP
  ▲ PREVIOUS
  ILLUMINATION                  ◀LOW▶
  LANGUAGE            ENG. FRAN. ESP.
  CLOSED CAPTION ▶
  AUTO SHUT OFF                 ◀OFF▶
  XDS ID                        ◀ON▶

  ▼NEXT PAGE                      (3/5)
  ↕SELECT ◀▶ OPERATE         MENU EXIT
```
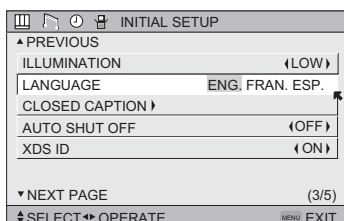
Initial Setup

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

(hand)	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)
(hand)	Press the OK button to save
(hand)	Press the MENU button when finished
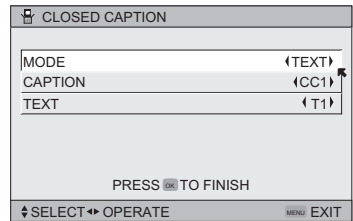
```
⊟ CLOSED CAPTION

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



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

Digital Auto Setting

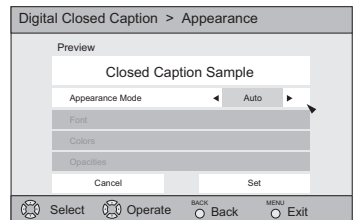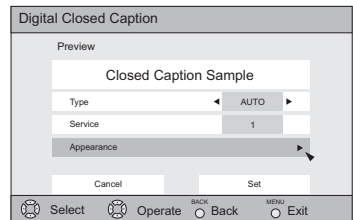|	
(hand)	Press the MENU button
▲▼	To CLOSED CAPTION
◄►	To enter
▲▼	To Type
◄►	To select Auto, Advanced or Basic
	Auto: Shows closed caption a priority for digital channels over analog channels. It is set automatically.
	Advanced: Shows only the digital closed caption.
	Basic: Shows only the analog closed caption.
▲▼	To Service
◄►	To select 1, 2, 3, 4, 5 or 6
▲▼	To Appearance
◄►	To enter
◄►	To select Auto
▲▼	To Set
(hand)	Press the OK button to save
	The font/type and color are set automatically.
(hand)	Press the MENU button when finished

```
Digital Closed Caption

  Preview

         Closed Caption Sample

  Type               ◄    AUTO    ►
  Service                  1
  Appearance                      ►

      Cancel               Set
  ⊞ Select  ⊞ Operate  ○ Back  ○ Exit
                      BACK      MENU
```

```
Digital Closed Caption > Appearance

  Preview

         Closed Caption Sample

  Appearance Mode    ◄    Auto    ►
  Font                            ►
  Colors
  Opacities
      Cancel               Set
  ⊞ Select  ⊞ Operate  ○ Back  ○ Exit
                      BACK      MENU
```

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	Set	

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	Set	

Select   Operate   BACK ○ Back   MENU ○ Exit

All fonts used for digital closed caption and digital menus are licensed from Monotype Imaging Inc.

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 65.

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

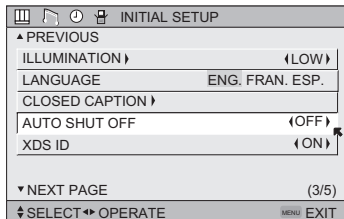👆   Press the MENU button when finished

• 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	
ILLUMINATION ▶	◀ LOW ▶
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.
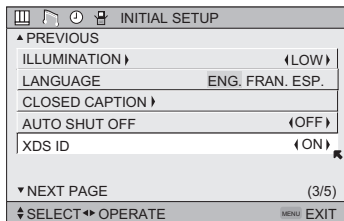
👆   Press the MENU button

▲▼   To XDS ID
◀▶   To turn ON or OFF

👆   Press the MENU button when finished

▥ ◲ ⏱ 🔒 INITIAL SETUP	
▲ PREVIOUS	
ILLUMINATION ▶	◀ LOW ▶
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.
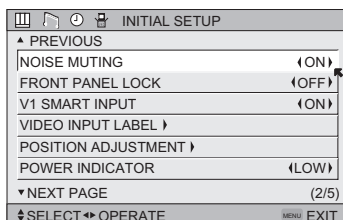
Press the MENU button

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

Press the MENU button when finished

▥ ◠ ◷ 岛 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 side of the TV, so that a child may not accidentally change your viewing preferences.

Press the MENU button

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

Press the MENU button when finished

▥ ◠ ◷ 岛 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 side 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.
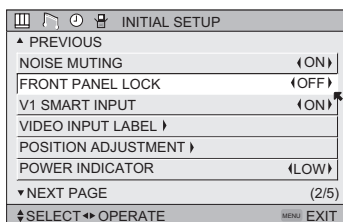
Initial Setup

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.
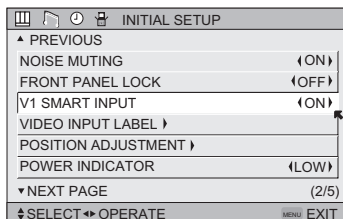
Press the MENU button

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

Press the MENU button when finished

Notes:
- If you do not have an AV Receiver connected to your television, turn this feature OFF.
- Some AV Receivers may not work with this function.

```
▥ ▧ ⊙ ▤  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

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

Press the MENU button

▲▼ To VIDEO INPUT LABEL

◄► To operate

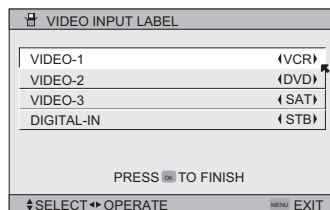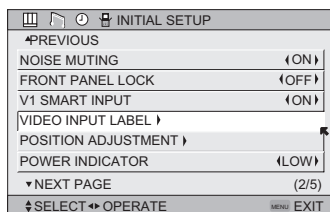▲▼ To select the desired video input

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

Press the OK button to save

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►
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
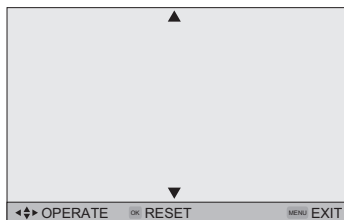
Notes:

• 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 and slim 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 1080i and 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
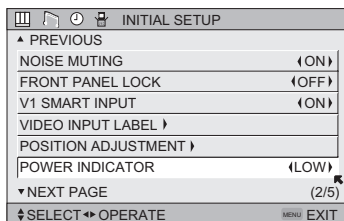
Note:

• 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

51

Initial Setup

Digital-In

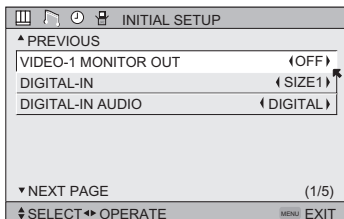The DIGITAL-IN option can only be displayed in the INITIAL SETUP menu when a 480p picture signal is being input to the DIGITAL-IN terminal. This option adjusts the position when a 480p picture signal is being displayed on the screen. There are two types of 480p picture signals: 640x480 and 720x480. If the displayed picture is slightly shifted, the position can be adjusted by selecting either SIZE1 or SIZE2.
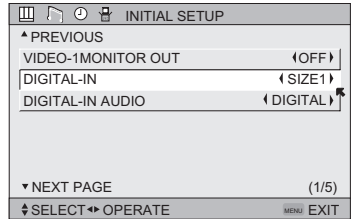
Press the MENU button

▲▼   To DIGITAL-IN

◄►   To enter

▲▼   To select AUTO, SIZE1 or SIZE2

Press the MENU button to finish

```
▥ ▢ ⊙ ▤  INITIAL SETUP
▲ PREVIOUS
VIDEO-1MONITOR OUT           ◄OFF►
DIGITAL-IN                   ◄SIZE1►
DIGITAL-IN AUDIO             ◄DIGITAL►

▼ NEXT PAGE                     (1/5)
⬍SELECT◄►OPERATE         MENU EXIT
```

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.

- You can select AUTO only when the signal is 480p for HDMI. When you select AUTO, the televison will select "SIZE1" or "SIZE2" automatically.

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", "DIGITAL" or "AUTO"

Press the Menu button when finished

```
▥ ▢ ⊙ ▤  INITIAL SETUP
▲ PREVIOUS
VIDEO-1MONITOR OUT           ◄OFF►
DIGITAL-IN                   ◄SIZE1►
DIGITAL-IN AUDIO             ◄DIGITAL►

▼ NEXT PAGE                     (1/5)
⬍SELECT◄►OPERATE         MENU EXIT
```
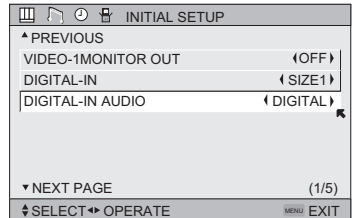
Notes:

- 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 71.
- When you select AUTO, the television will select "ANALOG" or "DIGITAL" automatically, depending on the audio input from the HDMI.

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.

ENERGY SAVER MODE
The energy saver mode adjusts the level of brightness on the TV screen.

Adjust the Picture Settings

Press the MENU button

▲▼ To TINT, COLOR, PICTURE, BRIGHT, DETAIL or ENERGY SAVER MODE

◄ ► To enter
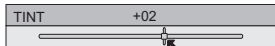
TINT   +02

◄ ► To adjust the setting
▲▼ To move to the next setting

Press the MENU button when finished

```
PICTURE ADJUST
▲ PREVIOUS            STANDARD
TINT       ( 00 )
COLOR      ( 00 )
PICTURE    ( 00 )
BRIGHT     ( 00 )
DETAIL     ( 00 )
ENERGY SAVER MODE )
▼ NEXT PAGE                  (1/2)
SELECT OPERATE          MENU EXIT
```
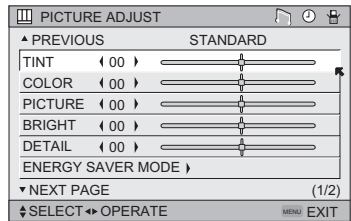
Color Temperature

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

Press the MENU button

▲▼ To COLOR TEMPERATURE
◄► To enter

COLOR TEMPERATURE LOW HIGH

◄► To set LOW or HIGH

Press the MENU button when finished

```
PICTURE ADJUST
▲ PREVIOUS            STANDARD
COLOR TEMPERATURE      ( HIGH )
DIG. NOISE CLEAR )         OFF
COLOR MANAGEMENT )        OFF
DYNAMIC GAMMA )           OFF
SMART PICTURE )            ON
RESET
▼ NEXT PAGE                  (2/2)
SELECT OPERATE          MENU EXIT
```
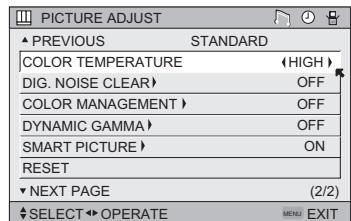
Picture Adjust

Digital Noise Clear

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

Press the MENU button

▲▼　　To DIG. NOISE CLEAR

◄►　　To enter

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

Press the MENU button when finished

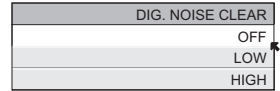| DIG. NOISE CLEAR |
| --- |
| OFF |
| LOW |
| HIGH |

Color Management

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

Press the MENU button

▲▼　　To COLOR MANAGEMENT

◄►　　To enter

▲▼　　To select the mode "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.

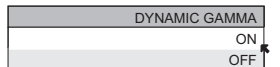Press the MENU button

▲▼　　To DYNAMIC GAMMA

◄►　　To enter

▲▼　　To turn ON or OFF

Press the MENU button when finished

DYNAMIC GAMMA
ON
OFF

Smart Picture

Smart Picture detects the APL (Average Picture Level) and adjusts the contrast suitable for what you are watching.

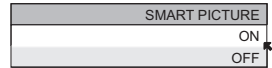   Press the MENU button

▲▼   To SMART PICTURE

◄►   To enter

▲▼   To select the mode "ON" or "OFF"

           Press the MENU button when finished

SMART PICTURE
ON
OFF

Note:

• When you have "DYNAMIC" selected in the "VIDEO STATUS", Smart Picture is not selected.

Reset

Reset resets all picture adjustments (tint, color, picture, bright, detail, energy saver mode, color temperature, dig. noise clear, color management and dynamic gamma and smart picture) 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
COLOR TEMPERATURE	◄HIGH►
DIG. NOISE CLEAR▸	OFF
COLOR MANAGEMENT ▸	OFF
DYNAMIC GAMMA ▸	OFF
SMART PICTURE ▸	ON
RESET	
▼ NEXT PAGE	(2/2)
⬍ SELECT ◄► OPERATE	MENU EXIT
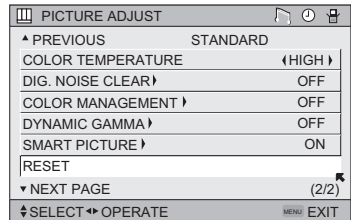
Sound Adjust

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
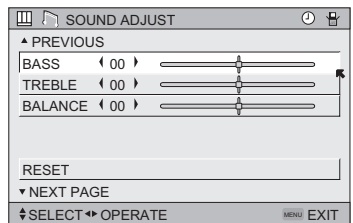
Note:

• You can reset the sound adjustments (BASS, TREBLE and BALANCE) you set at once as the default setting when you select reset. See page 55.

• You can adjust BALANCE only when A.H.S. is off. See page 62.

Reset

Reset resets all Sound Adjustments (Bass, Treble and Balance) at once to the default settings. See page 55 on how to use reset.

Set Clock

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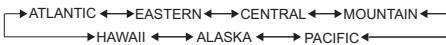
Press the MENU button

▲▼   To SET CLOCK
◄►   To 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
```
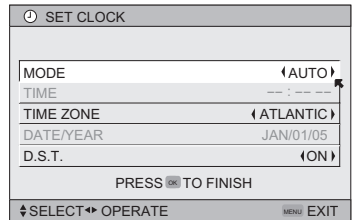
When you set the clock manually, choose MANUAL by pressing the ◄ or ► arrows.

▲▼   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
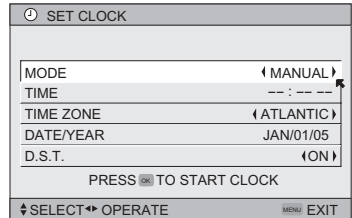◄►   To set the year
▲▼   To D.S.T. (daylight savings time)
◄►   To turn D.S.T. ON or OFF

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.

Clock/Timers

On/Off Timer

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

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

Menu display:

```
🕐 ON/OFF TIMER
ON TIME                    7:00 PM
OFF TIME                  10:00 PM
CHANNEL                         03
ON VOLUME                  CURRENT
MODE                   ‹ EVERYDAY ›
ON/OFF TIMER               ‹ NO ›

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

Notes:

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

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

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

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 36.

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
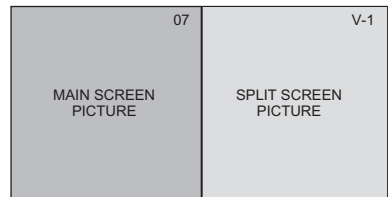
Notes:

• If the signal that you are watching is coming from the HDMI input, you cannot enter the SWAP or INDEX 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, 720p and 1080i 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 the cable card is inserted into the TV, the combination of analog broadcasting and digital broadcasting will not appear in the TWIN mode.

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

Note:
• When you press the power button on the TV, and you are tuned to a digital channel or i.Link, "NOW WARMING UP... PLEASE WAIT" appears on the screen. It takes a little while to warm up.

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, 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 by pressing the INPUT button on the side of the TV instead of the remote control.
• i.LINK can be selected only when you have an i.LINK device connected.

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

Button Functions

Return +/TV

The RETURN+/TV button has three functions:

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

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

TV - Returns to the TV mode.

👆 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

Manufactured under license from BBE Sound, Inc. Licensed by BBE Sound, Inc. under USP4638258, 5510752 and 5736897. BBE and BBE symbol are registered trademarks of BBE Sound, Inc.

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 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
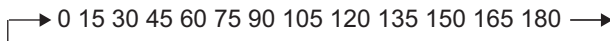• Using multi-screen functions

Button Functions

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.
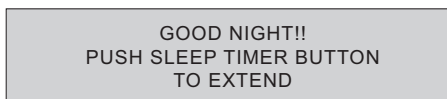
Press the SLEEP button

→ 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 61.

• 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

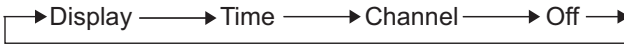The display screen shows the current status of timers, inputs and XDS ID.

Press the DISPLAY button

The screen to the right shows the following information:

```
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
```

- 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:

→ 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 46 when you set the caption/text mode.
- You can also change the mode by pressing the ▲▼ buttons.

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.

Button Functions

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.

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

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.

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 73 - 78.

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.
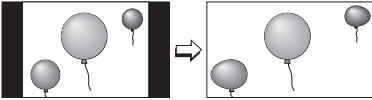
Aspect

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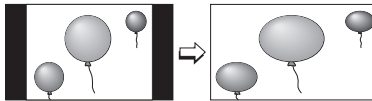
Aspect Ratios

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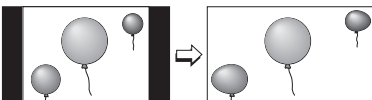
CINEMA - This ratio "zooms in" on the center part of a 4:3 aspect picture, blowing it up to fill the 16:9 screen.
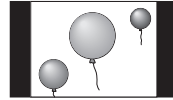
FULL - This is the ratio to use when watching 16:9 High-Definition broadcasts.

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.

SLIM - This aspect mode shrinks the screen of 16:9 to 4:3. There are some programming that is already stretched by mistake at broadcasting companies, so this mode corrects it. Black side bars will appear.
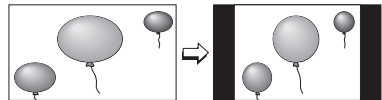
Button Functions

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

ASPECT
PANORAMA
CINEMA
FULL
REGULAR

HD (1080i, 720p)
ATSC (1080i, 720p)

ASPECT
PANORAMA ZOOM
CINEMA ZOOM
FULL

ATSC (480i, 480p)

ASPECT
PANORAMA ZOOM
CINEMA ZOOM
FULL
SLIM

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 VIDEO STATUS and ASPECT menus. Choose ASPECT by pressing Menu ▼ on the side panel and choose a mode by using the CHANNEL +/- buttons (◄ OPERATE ►).
- "SLIM" can only be dispalyed when the signal is ATSC (480i or 480p).
- If the televison receives a 16:9 signal from your HDMI device, the aspect mode will turn to FULL automatically. If the television receives a 4:3 signal from your HDMI device when you are in FULL aspect mode, it will return to REGULAR aspect mode. If you change the aspect mode after the televison changed it to FULL automatically, the televison will change to the aspect mode you choosed.

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.

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:

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:

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.

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.

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

Digital Setup

Use this function when you are receiving a digital broadcast.
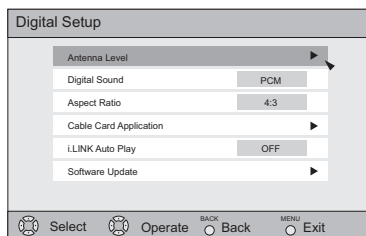
Press the MENU button

▲▼　　To DIGITAL SETUP

◄►　　To enter

The onscreen will appear

Notes:

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

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	

• 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

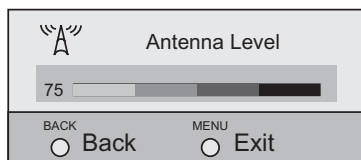◄►　　To enter

▲▼　　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.

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 23.

DOLBY DIGITAL   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.

Digital Setup

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 24.

• 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 75 will appear.

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

Press the i.LINK MENU button
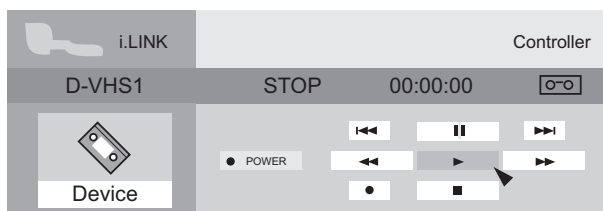
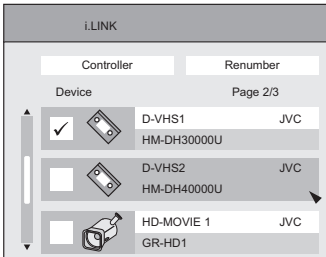

◀▶ ▲▼ To select the key you want to operate

Press the OK button

Digital Button Functions

Device

To operate, select a device.

i.LINK	
Controller	Renumber

Device   Page 2/3

✓	◇	D-VHS1	JVC
		HM-DH30000U	
	◇	D-VHS2	JVC
		HM-DH40000U	
	📷	HD-MOVIE 1	JVC
		GR-HD1	

▲▼   To select your device connecting with i.LINK

(OK)   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.
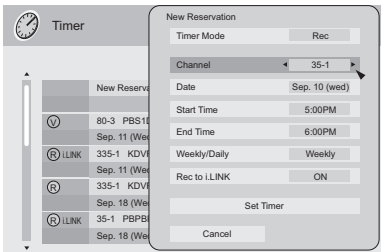
Reservation

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 57.

• When you want to edit the timer settings, see Timer Edit on page 77.

Timer Edit

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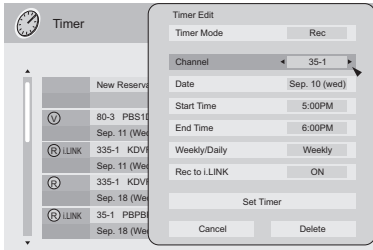
Timer Edition

🖐 Press the T<small>IMER</small> button

▲▼ To select the timer list you want to edit

🖐 Press the O<small>K</small> button

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

▼ To Set Timer

🖐 Press the O<small>K</small> button

Timer Deletion

🖐 Press the T<small>IMER</small> button

▲▼ To select the timer list you want to delete

🖐 Press the O<small>K</small> button

▲▼ To Delete

🖐 Press the O<small>K</small> button

77

Digital Button Functions

Cancel the timer recording

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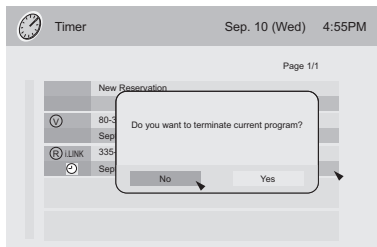
    Press the TIMER button

▲▼   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

Ⓥ 80-3 | Do you want to terminate current program? | Sep
Ⓡ i.LINK 335- | Sep
⏱ | 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 57.

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.
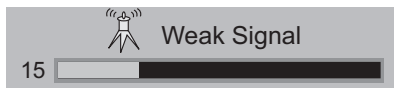
No Program

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 on the back of 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
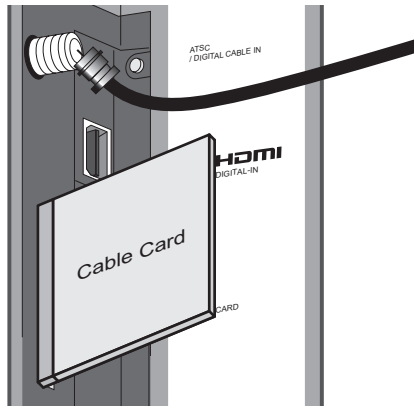
Note for inserting Cable Card:

• 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 61. • The tuner (Auto Tuner Setup) could be set improperly. See page 35. • 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 36. • Check to see if the channel is locked. See "Channel Summary - Lock" page 37.
The power turns off by itself	• Make sure the set did not become unplugged. • Perhaps the On/Off Timer is set. See page 58. • Check to see if the Sleep Timer was set. See page 64.
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 57.
The color quality is poor	• Tint and Color may be improperly adjusted. See page 53. • The Video Status mode may be turned to the wrong setting. See page 63.
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 46.
Stereo or bilingual programs can't be heard	• Make sure the MTS settings are correct. See page 64.

Troubleshooting

PROBLEMS	CHECK
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 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.

JVC®   LIMITED WARRANTY   COLOR TV 1-1

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.

JVC COMPANY OF AMERICA   1700 Valley Road
DIVISION OF JVC AMERICAS CORP.   Wayne, NJ 07470
http://www.jvc.com

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.

BT-51011-8
(0504)

Specifications

Model	LT-26X776	LT-32X776	LT-37X776
Type	LCD Flat Television		
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	139W	173W	202W
Screen Size	26 inch / 64.8 cm measured diagonally, 16:9 ratio	32 inch / 80.2 cm measured diagonally, 16:9 ratio	37 inch / 94.9 cm measured diagonally, 16:9 ratio
Audio Output	10W + 10W		
Speakers	6.6 cm round x 2		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		
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		
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	27 3/4 x 21 7/8 x 12 1/4 (with stand) 70.3 x 55.3 x 30.9 (with stand)	31 7/8 x 24 3/4 x 12 1/4 (with stand) 80.8 x 62.8 x 30.9 (with stand)	36 1/2 x 27 1/8 x 12 7/8 (with stand) 92.6 x 68.7 x 32.5 (with stand)
	27 3/4 x 19 1/8 x 4 5/8 (without stand) 70.3 x 48.3 x 11.5 (without stand)	31 7/8 x 22 x 4 5/8 (without stand) 80.8 x 55.9 x 11.6 (without stand)	36 1/2 x 24 7/8 x 4 3/8 (without stand) 92.6 x 63.2 x 10.9 (without stand)
Weight (lbs / kg)	43.2 / 19.6 (with stand)	44.9 / 20.4 (with stand)	61.6 / 27 (with stand)
	35.9 / 16.3 (without stand)	37.6 / 17.1 (without stand)	47.7 / 21.7 (without 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