JENSEN®

DESIGNED TO MOVE [YOU]
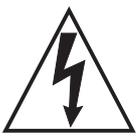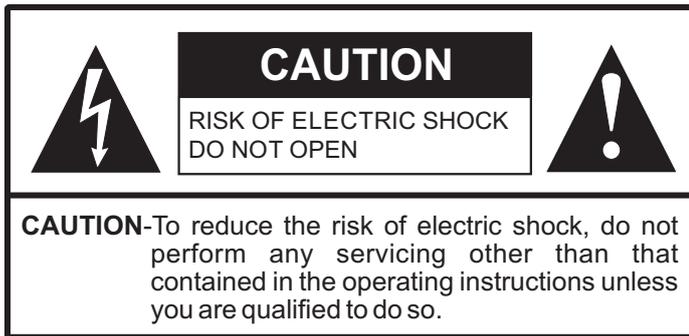
JE2707

LCD Color TV

with ATSC Tuner

Operating Manual

- Before connecting, operating or adjusting this product, please read the manual completely. Please keep this manual for future reference.
- The illustrations and on-screen displays in this operation manual are for explanation purposes and may vary slightly from the actual operations.
- Menu items that are not selectable are grayed out.
- **FOR ASSISTANCE, VISIT US AT WWW.ASAELECTRONICS.COM.**

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION-To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This product utilizes tin-lead solder, and fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eia.org

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC CAUTION:

Pursuant to 47CFR, Part 15.21 of the FCC rules, any changes or modifications to this monitor not expressly approved by the manufacturer could cause harmful interference and would void the user's authority to operate this device.

WARNING:

This is a CLASS B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures to counter interference.

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. Apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.
6) Clean only with a 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 the 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.

Important Safeguards

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

WARNING

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

Power Sources

This unit should be operated only from the type of power source indicated on the information label.
If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company.

Grounding or Polarization

This unit is equipped with a polarized AC power cord plug (a plug having one blade wider than the other), or with a three-wire grounding type plug (a plug having a third pin for grounding). Follow the instructions below:

For the unit with a three-wire grounding type AC power cord plug (Class 1 unit)
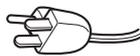
This unit must be connected to an AC power socket outlet with a protective earthing connection.

For the unit with a polarized AC power cord plug

This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug.
If the plug still fails to fit, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the polarized plug by forcing it in.

Wall outlet

Do not use a poor fitting outlet.
Insert the plug fully into the outlet. If it is loose, it may cause arcing and result in fire. Contact your electrician to have the outlet changed.

Wiring

For your safety, unplug the AC power cord when wiring cables.

Electric shock

Do not touch the AC power cord or the unit with a wet hand. If you plug/unplug the AC power cord from the unit with a wet hand, it may cause electric shock.
Never attempt to move the unit unless the AC power cord is disconnected.

Cleaning

- Clean the AC power plug regularly.
- If the plug is covered with dust and it picks up moisture, its insulation may deteriorate and result in fire. Unplug the AC power plug and clean it regularly.
- Unplug the AC power cord when cleaning this unit. If not, it may result in electric shock.
- Clean the cabinet of the TV with a dry soft cloth. To remove dust from the screen, wipe it gently with a soft cloth.

- Stubborn stains may be removed with a cloth slightly dampened with a solution of mild soap and warm water. Never use strong solvents such as thinner or benzine for cleaning.
- If using a chemically pre-treated cloth, please follow the instructions provided on the package.

Overloading

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

Power

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

Sound

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

AC Power Cord

If you damage the AC power cord, it may result in fire or electric shock.
- Do not pinch, bend, or twist the cord excessively. The core lines may be bared and cut and cause short-circuit, resulting in fire or electric shock.
- Do not convert or damage the AC power cord.
- Do not put anything heavy on the AC power cord. Do not pull the AC power cord.
- Keep the AC power cord away from heat sources.
- Be sure to grasp the plug when disconnecting the AC power cord. If the AC power cord is damaged, stop using it and replace with a new one.

Ventilation

The slots and openings in the TV are provided for necessary ventilation. To ensure reliable operation of the unit, and to protect it from overheating, these slots and openings must never be blocked or covered. Unless proper ventilation is provided, the unit may gather dust and get dirty. For proper ventilation, observe the following:
- Do not install the unit turned backward or sideways.
- Do not install the unit turned over or upside down.
- Never cover the slots and openings with a cloth or other materials.
- Never block the slots and openings by placing the unit on a bed, sofa, rug or other similar surface.
- Never place the unit in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided.
- Leave some space around the unit. Otherwise, adequate air-circulation may be blocked, causing overheating, and may cause fire or damage the unit.

Heat sources

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Do not use this apparatus near water

Do not use near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like. Do not use immediately after moving from a low temperature to high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards.

This apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

Entering of objects and liquids

Never insert an object into the product through vents or openings. High voltage flows in the product, and inserting an object can cause electric shock and/or short internal parts. For the same reason, do not spill water or liquid on the product.

Lightning

Unplug this apparatus during lightning storms or when unused for long periods of time.

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

Servicing

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.

Replacement parts

In case the product needs replacement parts, make sure the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.

Attachments

Only use attachments/accessories specified by the manufacturer. Do not use attachments not recommended by the manufacturer. Use of improper attachments can result in accidents.

Damage requiring service

If any of the following conditions occurs, unplug the power cord from the AC outlet and request a qualified service person to perform repairs.

a. The power cord or plug is damaged.

b. Liquid is spilled on the product or when objects have fallen into the product.

c. The product has been exposed to rain or water.

d. The product does not operate properly as described in the operating instructions.
Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.

e. The product has been dropped or the cabinet has been damaged in any way.

f. The product displays an abnormal condition or exhibits a distinct change in performance. Any noticeable abnormality in the product indicates that the product needs servicing.

Safety checks

Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.

Wall or ceiling mounting

When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer. This is a safety feature.

Panel protection

The panel used in this product is made of glass. Therefore, it can break when the product is dropped or impacted upon by other objects. Be careful not to be injured by broken glass pieces if the panel breaks.

Pixel defect

The panel is a very high-technology product, giving you finely detailed pictures. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product.
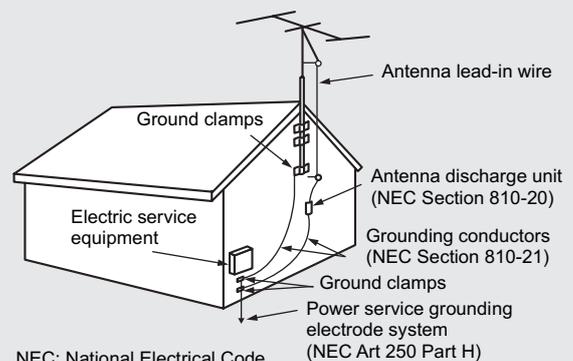
Antennas
Outdoor Antenna Grounding

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

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

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

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

Antenna lead-in wire

Ground clamps

Antenna discharge unit
(NEC Section 810-20)

Electric service equipment

Grounding conductors
(NEC Section 810-21)

Ground clamps

Power service grounding electrode system
(NEC Art 250 Part H)

NEC: National Electrical Code

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Table of Contents

Introducing the TV

Installing the TV

Select a steady platform with good ventilation to place the TV.

● Keep enough space above and behind the Display.
● The TV should be installed near an easily accessible power outlet.
● To prevent internal heat buildup, do not block the ventilation openings.
● Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
● Be sure to take measures to prevent the TV from toppling over and causing injury.
● To obtain the best picture, do not expose the screen to direct illumination or direct sunlight. It is recommended to use spot lighting directed down from the ceiling or to cover the windows that face the screen with opaque drapery. It is desirable to install the TV in a room where the floor and walls are not of a reflective material.

Cautions:

● Do not install the TV in protruding locations.
● Do not install this unit in restaurants where oily vapors occur. Dust absorbing oil may enter into the unit and damage the unit.
● Do not install this unit outdoors. If the unit is exposed to rain, it may result in fire or electric shock. If the unit is exposed to direct sunlight, the unit may heat up and cause damage to the unit.
● Do not install this unit in a vehicle or hang from the ceiling. Bumping of the vehicle may cause the unit to fall down and cause injury.
● Do not install this unit in a ship or vessel. If the unit is exposed to seawater, it may cause fire or damage the unit.
● If you install the unit on a non-level surface, the unit may fall or drop and cause injury or damage.
● If you place the unit on an unstable surface, the unit may fall and cause injury or damage.
● Do not hang anything on the unit. If you do so, the unit may fall from the stand or wall-mount bracket, causing damage or serious injury.

Carrying or Moving the TV

● When you move the TV, carry it by two or more people.
● When you move the TV, hold the upper and bottom frames of the TV, not the speaker.
● As the glass surface of the TV has a special coating, be careful to avoid touching the glass surface as much as possible.
● When transporting, do not subject the unit to shocks or vibration, or excessive force.

TV Controls and Connectors

Control Panel
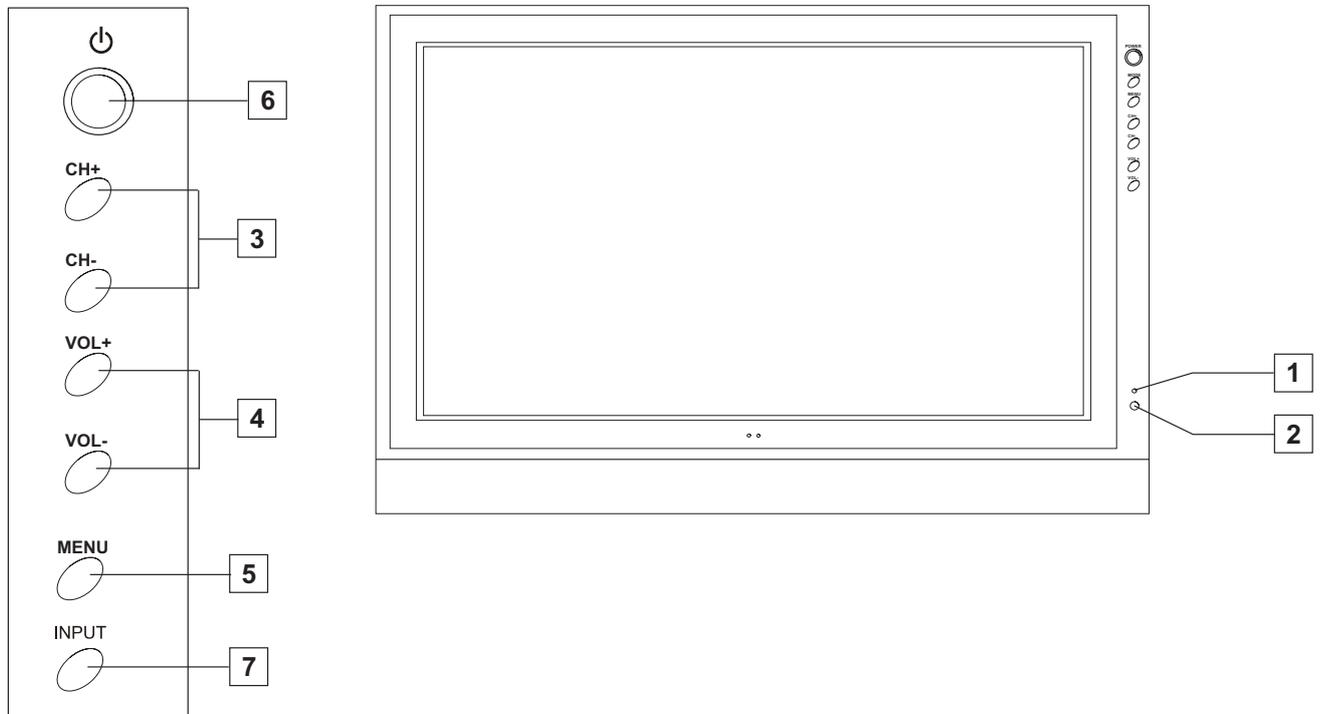
Item		Description
1	**Power Indicator**	
2	**Remote Sensor**	Receives IR signals from the remote control.
3	**CH-/CH+**	Press to scan through channels. In menu operations, these buttons serve as down/up buttons.
4	**VOL-/VOL+**	Press to adjust the volume. In menu operations, these buttons serve as left/right buttons.
5	**MENU***	To access the Menu main page.
6	**POWER** ⏻	Turn the unit on or off.
7	**INPUT**	To display the input source list or to quickly select input source.

* In normal viewing, press the **MENU** button to access the Menu main page.
   In Menu operations, the **MENU** button is used to confirm or alter the settings of the selected menu item. It has the same function as the **OK** button on the remote control unit.

Introducing the TV

TV Connectors
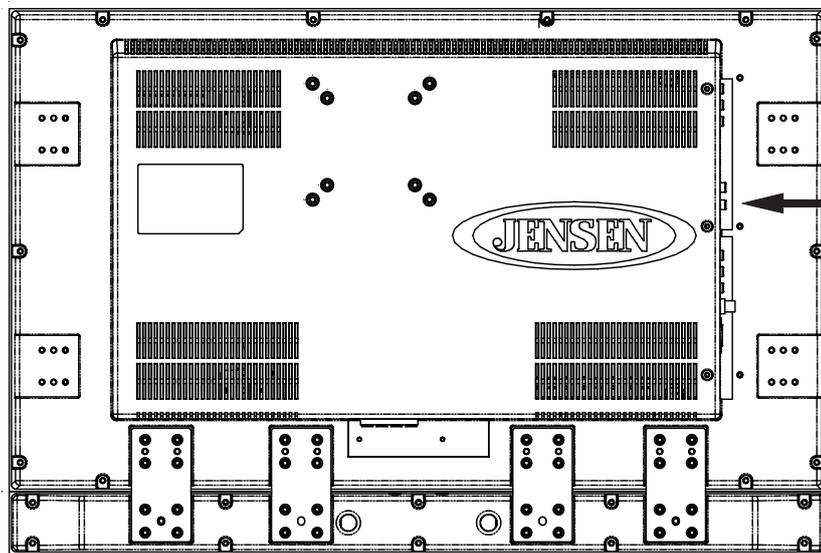
TV Left Side

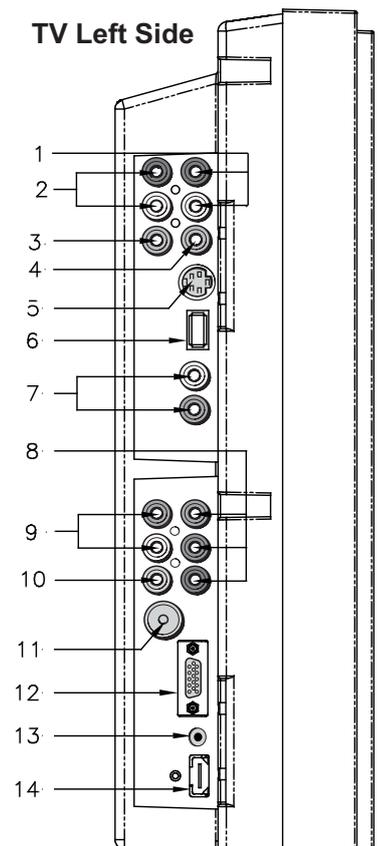| Item		Description
1	**Composite Audio IN**	Connect to the composite audio output jacks on your VCR or other video device.
2	**Composite Audio IN**	Connect to the composite audio output jacks on your VCR or other video device.
3	**Composite Video IN**	Connect to the composite video output jacks on your VCR or other video device.
4	**Composite Video IN**	Connect to the composite video output jacks on your VCR or other video device.
5	**S-VIDEO input**	Connects to the S-VIDEO output jack of your VCR or other video equipment that has S-VIDEO. S-VIDEO provides better picture quality than the composite video connection.
6	**USB Port**	For service only. The user should not use this port.
7	**Component Audio**	Connect to your DVD player's or digital set-top box's component video (YPbPr) and audio (L/R) jacks. Component video provides better picture quality than the S-VIDEO or the composite video
8	**Component Video**	
9	**Audio OUT**	Connects to your VCR to record programs as desired or connects to hook up a second TV or monitor. **Only analog TV programs, AV1and AV2 input sources can be output through the AV output**
10	**Video OUT**	
11	**RF IN**	RF input that connects to your cable system or outdoor antenna.
12	**D-Sub IN**	Connects to a PC or other Analog RGB devices such as Video Conferencing or Set-top Boxes.
13	**Audio IN for DVI or D-Sub interface**	Use this audio input when you are using DVI connection or D-Sub connection. A HDMI-to-DVI adapter is necessary when you are connecting a DVI-equipped device to this TV
14	**HDMI IN**	HDMI (High-Definition Multimedia Interface) provides an uncompressed, all-digital audio/video interface between this TV and any HDMI-equipped audio/video component, such as a set-top box and DVD player. HDMI supports enhanced, or high-definition video, plus two-channel digital audio.

Basic Connections

Overview

To display clear, crisp pictures, you must connect your TV correctly and choose the correct display format. It is strongly recommended to connect the cable and antenna input using a 75-ohm coaxial cable to receive an optimum picture quality signal. A 300-ohm twin lead cable can be easily affected by radio noise and the like, resulting in signal deterioration. If you use a 300-ohm twin lead cable, keep it as far away as possible from the TV.

The way in which you connect your TV will vary, depending on how your home receives a signal (antenna and satellite; cable and cable box).

Do not use an indoor antenna, which is especially susceptible to radio noise.

Disconnect all power sources before making any connections.

Connecting Antenna System

For best results, use this connection if you have an antenna system.

TV Left Side
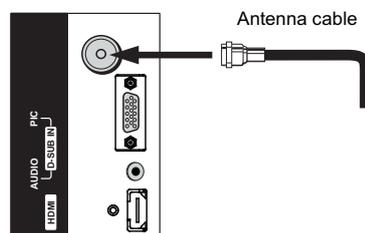
Be sure to choose "Antenna" before you start Auto Program. See chapter "Getting Started" for details.

Connecting Cable System

For best results, use this connection if you have a cable system.

TV Left Side
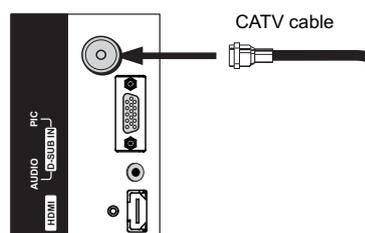
Be sure to choose "Cable" before you start Auto Program. See chapter "Getting Started" for details.

Connecting the TV

Connecting Cable Box

For best results, use this connection if you have a cable system and your cable company scrambles some channels, such as premium channels or all channels (which requires you to use a cable box).
Connect the CATV cable to the cable box's input jack. Then use a coaxial cable to connect the cable box's output jack to the TV's RF input jack.

TV Left Side
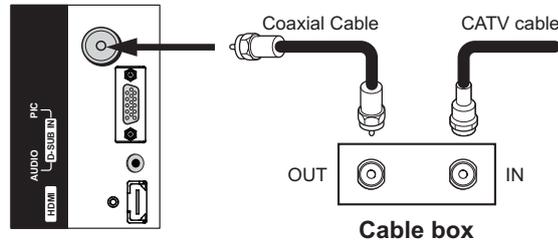
Coaxial Cable   CATV cable

OUT   IN

Cable box

🔊 *Be sure to choose "Cable" before you start Auto Program. See chapter "Getting Started" for details.*

Connecting Digital Cable Box

Connect the RF coaxial cable from the CATV to the input of the digital cable box.
Use a component video cable to connect the YPbPr jacks of your digital cable box to the TV's component jacks.
Component video connection is necessary to view digital broadcastings in 1080i, 720p, 480i and 480p. This TV displays most picture formats.
The component Jacks do not provide audio, so audio cables must be connected to provide sound.

TV Left Side

Digital Cable Box

Audio cable   RF coaxial cable

Component video cable
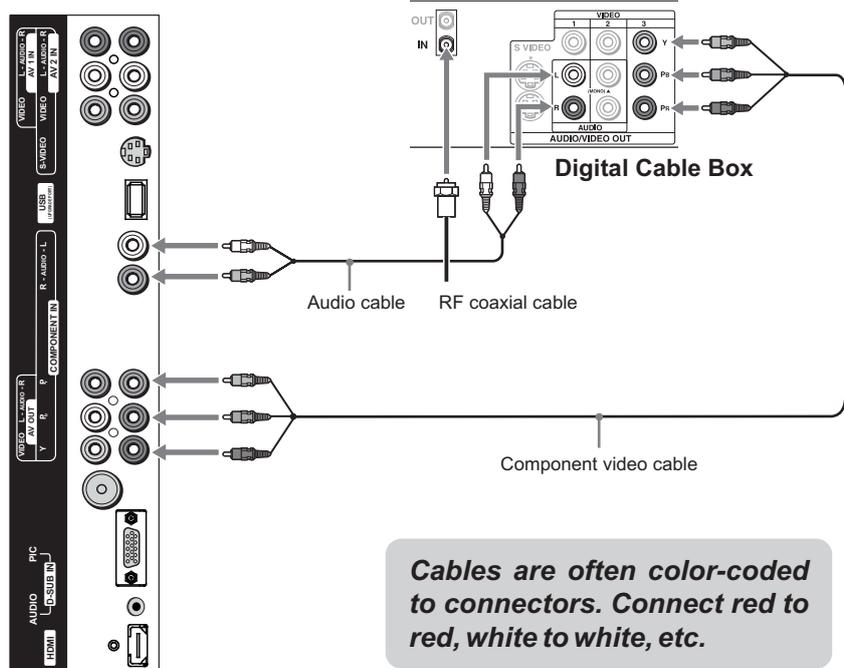
Cables are often color-coded to connectors. Connect red to red, white to white, etc.

Basic Connections

Connecting Satellite Receiver

Connect the satellite antenna cable to the satellite receiver's SATELLITE IN jack. Use AV cables to connect the satellite receiver's AUDIO and VIDEO OUT jacks to the TV's AUDIO and VIDEO IN jacks.

Cables are often color-coded to connectors. Connect red to red, white to white, etc.

Satellite Receiver

TV Left Side

AV cable   S-VIDEO cable

Satellite antenna cable
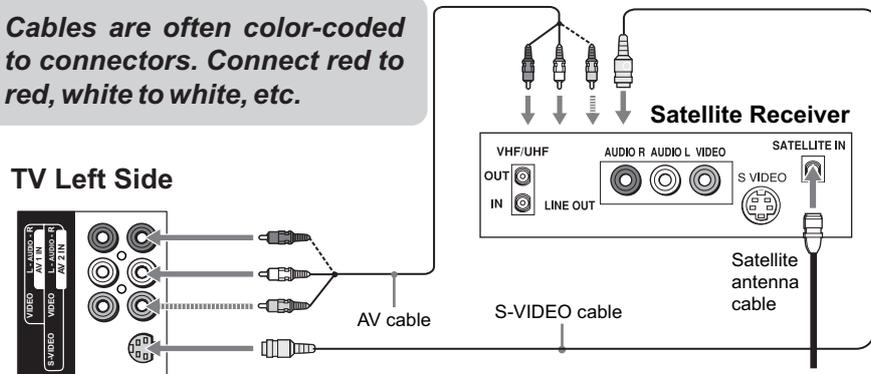
🔊 *If your* satellite receiver *is not equipped with S-VIDEO, use a VIDEO cable (yellow) instead of the S-VIDEO cable.*

Connecting Digital Satellite Receiver

Connect the RF coaxial cable from the satellite dish to the input of the digital satellite receiver.
Use a component video cable to connect the YPbPr jacks of your digital satellite receiver to the TV's component jacks.
Component video connection is necessary to view digital broadcastings in 1080i, 720p, 480i and 480p. This TV displays most picture formats.
The component Jacks do not provide audio, so audio cables must be connected to provide sound.

TV Left Side

Digital Satellite Receiver

Audio cable   RF coaxial cable

Component video cable
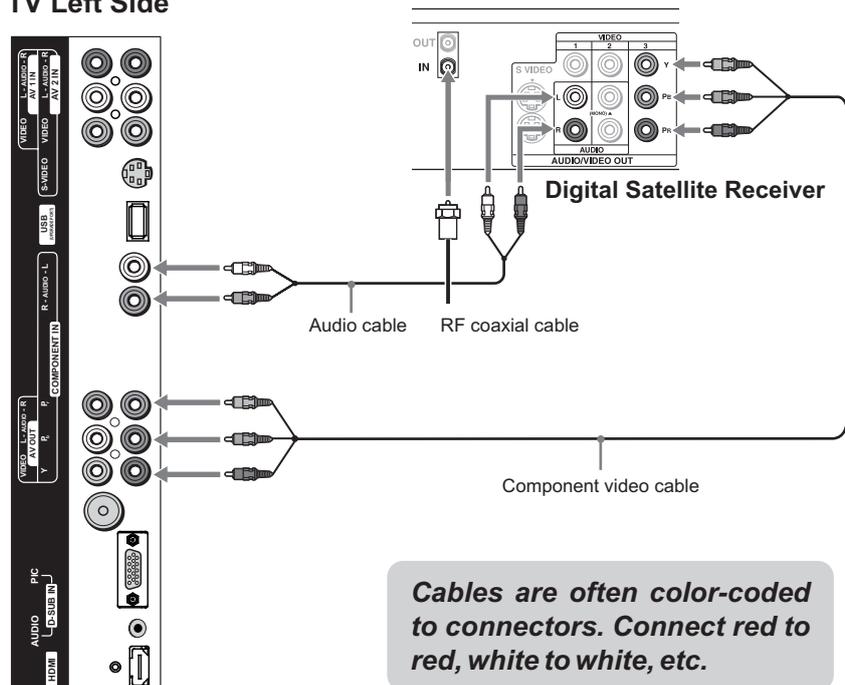
Cables are often color-coded to connectors. Connect red to red, white to white, etc.

Connecting the TV

Using External Equipment

Introduction

You can connect many types of external equipment to your TV, including a DVD player, VCR, Digital TV tuner, PC, HDMI equipment, game console or camcorder. To view external source images, select the input source from input on the remote control unit or on the Display.

Notes and Cautions:

- **Disconnect all power sources before making any connections.**
- Carefully check the terminals for position and type before making any connections.
- The packing contents of this TV may not include the cables or adaptors mentioned in this chapter.
- Refer to your external equipment operation manual carefully before making connections.
- Loose connectors can result in image or color problems. Make sure all connectors are securely inserted into their terminals.
- Refer to your external equipment operation manual for the signal type.
- The illustration of the external equipment may be different depending on your model.

Equipment with HDMI Connection

For best results, use this connection if your equipment has a High-Definition Multimedia Interface (HDMI).
Use a HDMI cable, connect the equipment's HDMI OUT jack to the TV's HDMI IN jack.

TV Left Side

Equipment with HDMI output

HDMI cable
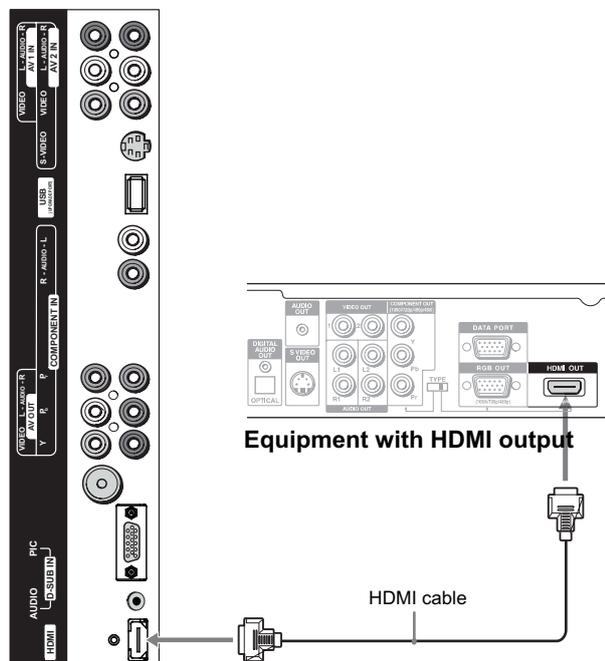
◀)) *The HDMI jack provides both video and audio signals, so it is not necessary to connect the audio cable.*

Using External Equipment

Equipment with DVI Connection

If you are connecting equipment with DVI connector to this TV, you will need to use an adapter. You can use a commercial HDMI-to-DVI cable or an HDMI adapter. Both are available at your local electronics store. When you use the adapter, you will also need to use separate audio cables for sound as DVI connector is for video signals only.

TV Left Side

Audio cable

Equipment with DVI output

HDMI-to-DVI cable or adapter

Connecting the TV

Using External Equipment

Connecting a VCR for Playing Back

Use AV cables to connect the VCR's AV output jacks to the TV's AV input jacks.
If your VCRs have S-VIDEO jacks, for best picture quality, use an S-VIDEO connection instead of the video cable (yellow) on your combined A/V cable.
Use a S-VIDEO cable to connect the VCR's S-VIDEO OUT jack to the TV's S-VIDEO IN jack. S-VIDEO does not provide audio, so audio cables must be connected to provide sound.

TV Left Side

Cables are often color-coded to connectors. Connect red to red, white to white, etc.

🔊 *The S-video terminal share the same audio jacks with video2 and has priority over the video2 jack.*

Connecting a VCR for Recording

Use AV cables to connect the VCR's AV input jacks to the TV's output jacks.

VCR for Recording

TV Left Side

Cables are often color-coded to connectors. Connect red to red, white to white, etc.

🔊 *Only analog TV programs, AV1 and AV2 input sources can be output through the AV output jacks.*

14

Using External Equipment

Connecting a DVD Player with Component Video Connectors

Use a component video cable to connect the DVD player's YPbPr jacks to the TV's YPbPr jacks.
Use an audio cable to connect the DVD player's AUDIO OUT jacks to the TV's AUDIO IN jacks. Be sure to use the same row of inputs that you used for the video connection.

TV Left Side

Audio cable

DVD Player

Component video cable
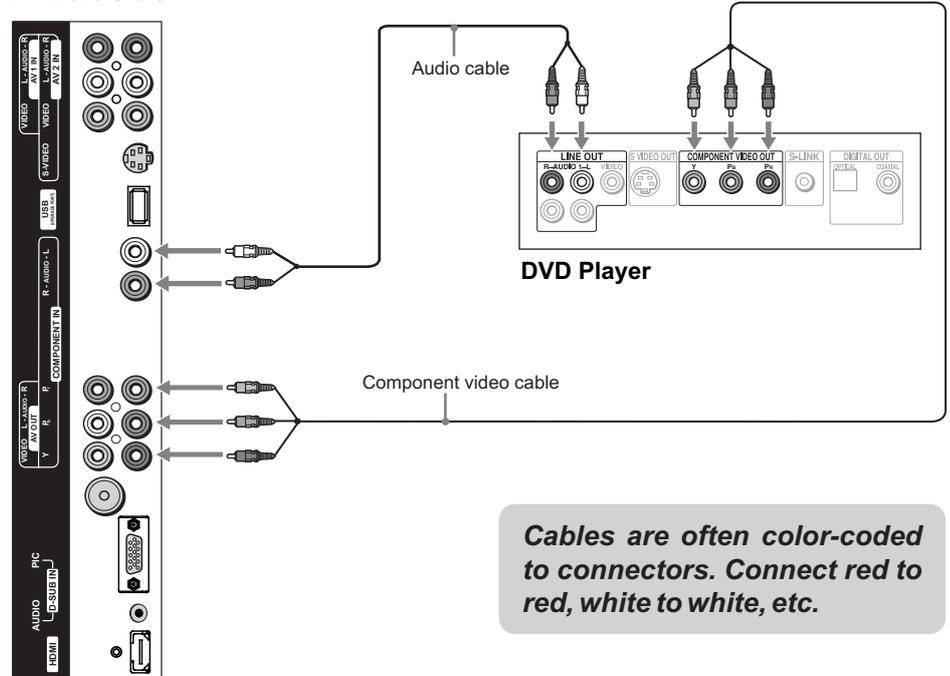
Cables are often color-coded to connectors. Connect red to red, white to white, etc.

🔊 *The YPbPr jacks on your DVD player are sometimes labeled YCbCr, or Y, B-Y and R-Y. If so, connect the cables to like colors.*

Connecting a DVD Player with S-Video and Audio Connectors

Use an AV cable to connect the DVD player's AUDIO OUT jacks to the TV's AUDIO IN jacks.
Use a S-VIDEO cable to connect the DVD player's S-VIDEO OUT jack to the TV's S-VIDEO IN jack.

TV Left Side

AV cable

DVD Player
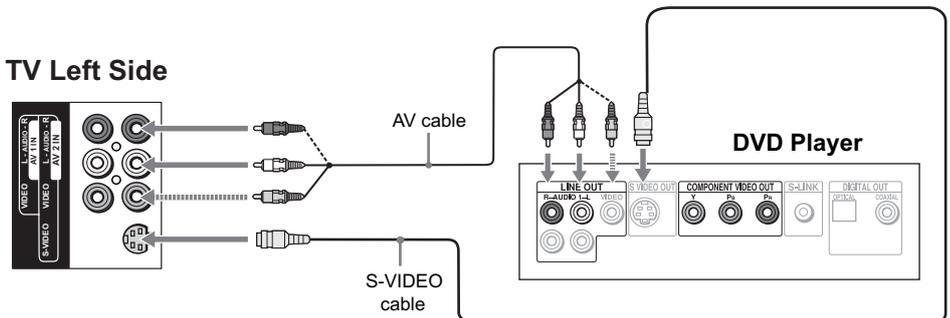
S-VIDEO cable

Cables are often color-coded to connectors. Connect red to red, white to white, etc.

🔊 *If your DVD player is not equipped with S-VIDEO, use a VIDEO cable (yellow) instead of the S-VIDEO cable.*

Connecting the TV

Using External Equipment

Connecting a PC

If you connect your PC to the TV, you can watch your personal computer's display on the TV.
When your PC is connected to the TV with the D-Sub cable and audio cable, you can view and listen to the PC's video and audio output on the TV.

TV Left Side

D-Sub cable
(analog RGB)

To monitor port
(15-pin D-Sub)

To audio output jack

Audio cable
(stereo mini plugs)
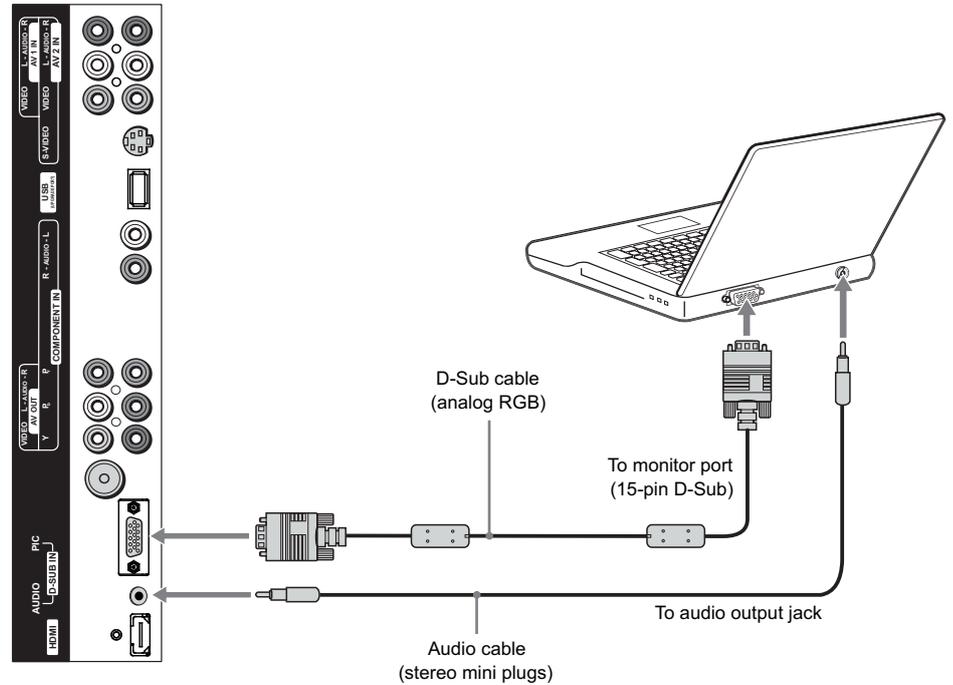
Connecting a Camcorder or "PlayStation"

Use an AV cable to connect the camcorder or "PlayStation" AV output jacks to the TV's AV input jacks.

Camcorder   **"PlayStation"**

or

TV Left Side

AV cable
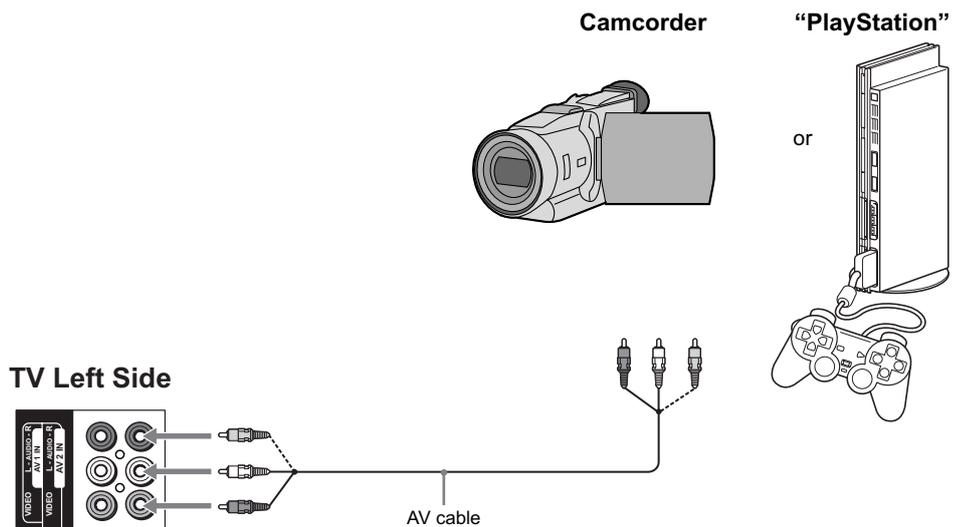
Cables are often color-coded to connectors. Connect red to red, white to white, etc.

Using External Equipment

Connecting a Second TV or Monitor

The TV has a special signal output capability which allows you to hook up a second TV or monitor.
Connect the second TV or monitor to the TV's output jacks.
See the Operating Manual of the second TV or monitor for further details regarding that device's input settings.

Cables are often color-coded to connectors. Connect red to red, white to white, etc.

TV Left Side

Second TV or Monitor

AV cable
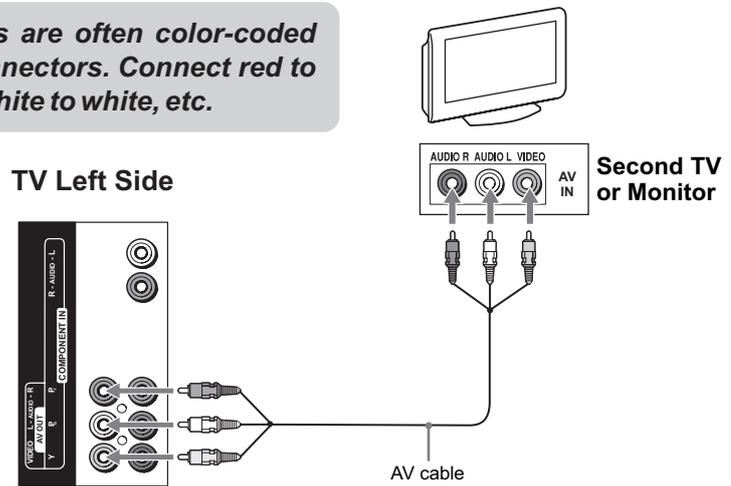
🔊 *Only analog TV programs, AV1and AV2 input sources can be output through the AV output jacks.*

Introducing the Remote Control

Insert Batteries into the Remote Control

Insert two size AAA batteries by matching the ⊕ and ⊖ on the batteries to the diagram inside the battery compartment.

Precaution on battery use

Improper use of batteries can result in a leakage of chemicals and/or explosion. Be sure to follow the instructions below.

● Place batteries with their terminals corresponding to the (+) and (–) indications.
● Different types of batteries have different characteristics. Do not mix batteries of different types.
● Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries and/or cause old batteries to leak chemicals.
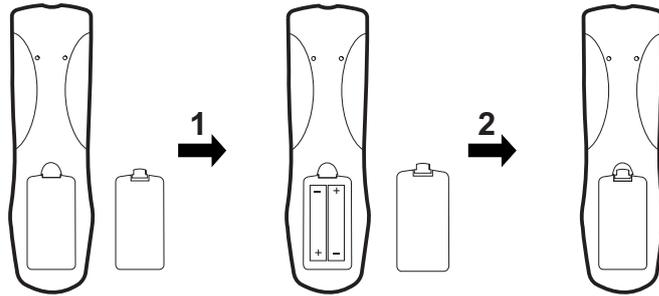● Remove batteries as soon as they are non-operable. Chemicals that leak from batteries can cause a rash. If chemical leakage is found, wipe with a cloth.
● The batteries supplied with the product may have a shorter life expectancy due to storage conditions.
● If the remote control is not used for an extended period of time, remove the batteries from the remote control.

Using the Remote Control

Use the remote control by pointing it towards the remote sensor window of the set. Objects between the remote control and sensor window may prevent proper operation.

Cautions regarding use of remote control

● Do not expose the remote control to shock. In addition, do not expose the remote control to liquids, and do not place in an area with high humidity.
● Do not install or place the remote control under direct sunlight. The heat may cause deformation of the unit.
● The remote control may not work properly if the remote sensor window of the main unit is under direct sunlight or strong lighting. In such a case, change the angle of the lighting or TV set, or operate the remote control closer to the remote sensor window.
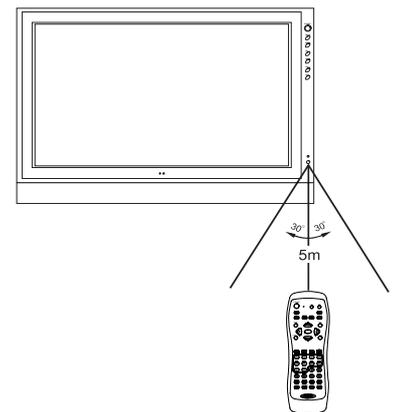
🔊 *This above illustration is for reference only. The remote sensor may be in different locations on different models.*

Button Descriptions

Button	Description
1 **POWER**	Turn the unit on or off.
2 **DVD, TV**	To switch control between the TV and DVD player (if attached).
	If your remote control does not work correctly when you operate the unit, press the TV button.
3 **0-9 number buttons**	Use these number buttons to select channel or input password.
4 **INPUT/ EJECT**	To display the INPUT source list or to quickly select input source.
5 **Dash (-)/ T/F**	To enter a program number for multiple program channels such as 2-1,2-2, etc.
6 **RECALL**	To switch between the currently tuned channel and the previously tuned channel.
7 **CH+, CH-**	To select channels upward or downward.
8 **VOL+, VOL-**	To adjust volume.
9 **MUTE**	To mute the sound.
10 **MENU**	To access the Menu main page.
11 **INFO**	To access the program guide.
12 **▲, ▼,**	To move upward or downward in menu operation;
◄, ►,	To move left or right in menu operation; To adjust selected menu item in menu operation;
OK	To confirm or alter the settings of the selected menu item.
13 **GUIDE**	To access the program guide.
14 **EXIT**	To exit menu.

Introducing the Remote Control

Button Descriptions
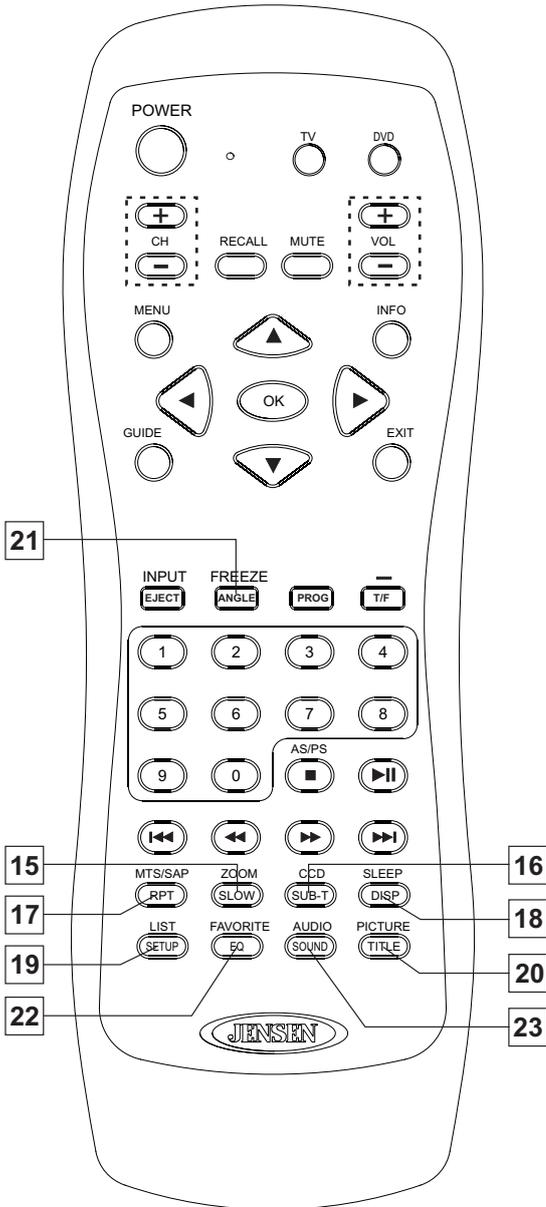
Button		Description
15	**ZOOM**	To select a screen aspect ratio.
16	**CCD**	To select closed caption mode.
17	**MTS/SAP**	To select a stereo, sap or mono for analog channels; also used to select audio track for digital channels.
18	**SLEEP**	To set sleep timer.
19	**LIST**	To access the master channel list.
20	**PICTURE**	To select a preset picture mode.
21	**FREEZE**	To freeze current picture.
22	**FAVORITE**	To access the favorite channel list and select from 3 different favorite lists.
23	**AUDIO**	To select a preset sound mode.

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Running Initial Setup

Perform the following steps before you press **POWER** ⏻ on the remote control to turn on your TV set.

1. Insert the batteries into the remote control unit.

2. Connect the antenna cable to the TV.

3. Plug in the AC power cord to the AC outlet.

After you finish connecting the TV, you can run the Initial Setup to create a list of available analog and digital channels. The Initial Setup screen appears when you turn on the TV for the first time after purchase. We strongly recommend you to perform initial setup according to the steps below.

Setting Language

Press ▲/▼ to select the desired language listed on the screen, and then press OK to confirm and continue.

Setting Time Zone

Press ▲/▼ to select a proper time zone according to your area, and then press OK to confirm and continue.

If you want to return to previous screen, please highlight [GO BACK] item and press OK to return.

Setting Daylight Saving

Press ▲/▼ to highlight [Yes] item if you want to observe daylight saving, or you may select [No] to abandon daylight saving and then press OK to confirm and continue.

If you want to return to previous screen, please highlight [GO BACK] item and press OK to return.

Selecting RF Input Source

Press ▲/▼ to select [Antenna] or [Cable] according to what kind of connection is made with your TV, and then press OK to confirm and continue. If you choose [Antenna], the TV starts Auto Program automatically.

If you choose [Cable], there are 3 kinds of CATV system, including STD, HRC and IRC. Select the one matches to your TV. Select [Automatic] when you do not know which one to select. When you select [Automatic], the unit automatically detects the type of your cable system. If the unit fails to detect the type of your cable system, please consult with your cable TV company about the type of your cable system, and then choose the correct type before Auto Program.

If you want to return to previous screen, please highlight [GO BACK] item and press OK to return.

Start Auto Program...

Once you have finished selecting RF input source, the unit starts auto program.

Auto Program may take a while to complete. A progress bar is displayed while available channels are being scanned. If you select [Stop Scan] to cancel the Auto Program before all receivable channels are scanned, you need to run Auto Program at a later time.

Auto Program will create a list of receivable channels for the current input . You will be required to run Auto Program for RF input to create a list of available channels.

Welcome!

Use the Up and Down arrows on your Remote Control and Select the language you want to use for menus and message screens.

English
Français
Español

Press OK to continue in English

Time Zone

Use the Up and Down arrows and press Select on your Time Zone.

Alaska (US)
Hawaii (US)
Pacific (US, CAN)
Mountain (US, CAN)
Central (US, CAN)
Eastern (US, CAN)

↩ GO BACK

Press OK to continue

Daylight Saving

Do you observe Daylight Saving?

Yes
No

↩ GO BACK

Press OK to continue

RF Input Source

Select the source for your television signal.

Antenna
Cable

↩ GO BACK

Press OK to continue

Scanning Channels

Signal

Channels Found
Digital: 3
Analog:3

2.0	••••••
2.1	••••••
2.2	••••••
3.0	••••••
4.0	••••••
4.1	••••••

Stop Scan

Scanning may take a few minutes - Please be patient

(Example)

Getting Started

Setting a Secret PIN Number

To protect the user's settings from being accidentally changed, we recommend you to set a secret PIN number, as explained below.

1. Press **MENU**................

2. Highlight [**Locks**]...........

    Use ▲ or ▼ button.

3. Press **OK**.....................
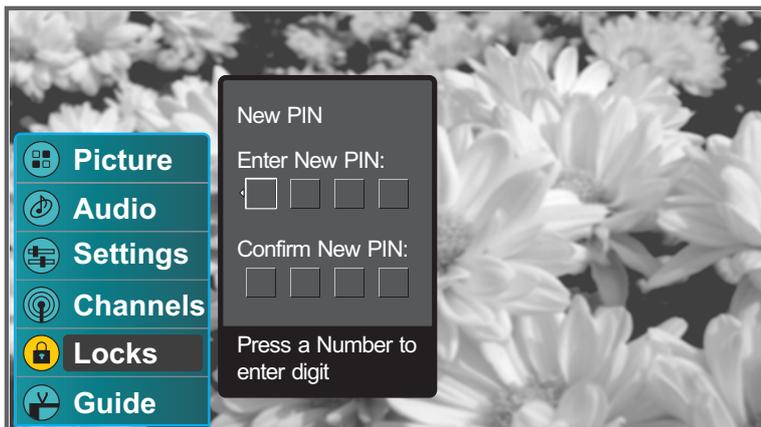
The TV allows you to set a secret PIN when you access the "Locks" menu for the first time. Use the 0-9 number buttons to enter a four-digit secret number, and then confirm the new secret number by entering it again.

Once the secret PIN is set successfully, the TV requests you to enter your secret PIN number if you are going

- *Access to the "Locks" menu.*
- *Scan channels automatically.*
- *Find channel manually.*
- *View a blocked program.*
- *Reset all settings to defaults by using the [RESET ALL] item in [Settings] menu.*

The secret PIN is very important, please keep it carefully. As a precautionary measure, make a note of your secret PIN and keep it in a familiar place.

Menu Navigation

1. Press to display the Main menu.
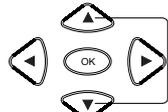
2. Press to highlight the menu items.

3. Press to enter the sub-menu field.
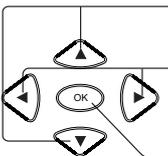
Press to select items in the sub-menu.

4. Press to adjust the selected items or move the on-screen cursor in the sub-menu.

Press to confirm your operation or alter the settings for some items such as [Cinemotion].

5. Press to return to the previous screen.

6. Press to return to normal picture.

Turning On/Off

Turning On

Firstly, Plug in the AC power cord to the AC outlet.

Press **POWER**⏻ on the TV or press **POWER** on the remote control.
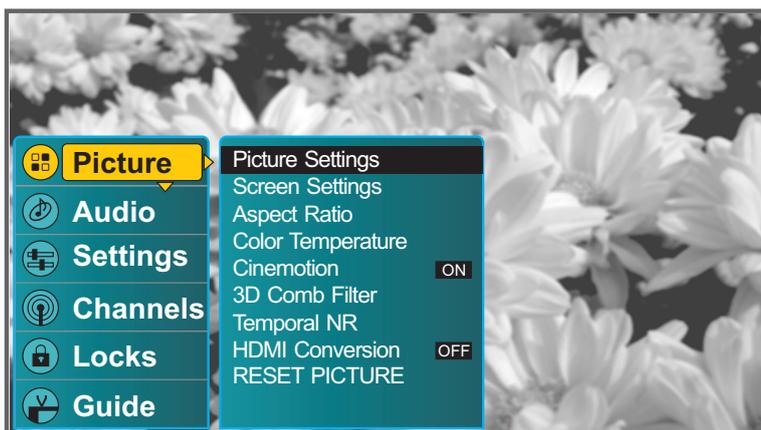
🔊 *Never attempt to move the TV unless the AC power cord has been disconnected.*

The initial setup starts when the TV powers on for the first time. If the TV has been turned on before, it displays current input signal directly.

Turning Off

Press **POWER**⏻ on the TV or press **POWER** on the remote control.
The TV enters standby mode and the image on the screen disappears.

🔊 *The TV will still consume some power as long as the AC power cord is still inserted into the wall outlet.*

🔊 *If you are not going to use this TV for a long period of time, be sure to remove the AC power cord from the power outlet.*

Introducing Channel Number

This television is capable of receiving the full range of cable-TV channels available today, from the most digital and HDTV channels, to the traditional analog channels.
As the transition toward full digital TV continues, some cable-TV systems in the USA will have a mixture of analog and digital channels in their lineups. So in most situations the ATSC PSIP channel number is composed of a major channel number and a minor channel number. The major channel number is same for both analog and digital channels (It is equal to the NTSC channel number for existing broadcasters). An analog channel usually has a minor channel number of zero, while a digital channel usually has a minor channel number of 1, 2 or larger.

Selecting Channels

You can select analog channels in serveral ways.

Method 1 - Using CH+ or CH- on the remote control or on the TV

Press the **CH+** or **CH-** to cycle among all available channels.
Only those channels marked with a tick symbol can be selected by the **CH+** or **CH-** button.
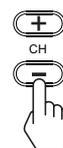
Method 2 - Using RECALL on the remote control

Press **RECALL** to switch to the previously tuned channel.
Press **RECALL** again to switch back to the currently tuned channel.

Method 3 - Using 0-9 and OK on the remote control

● *For analog TV channels*

Press the **0-9** number buttons to input a channel number and confirm with **OK** to select up to 125 channels for VHF/UHF/CATV.
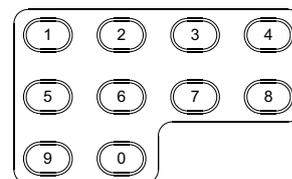
Watching TV

Selecting Channels

● *For digital TV channel*

Press the **0-9** number buttons and **dash(-)** to input a digital channel number, the TV goes to the selected channel directly.
(e. g., channel 8-3, just press **8**, **-** and **3** one by one)
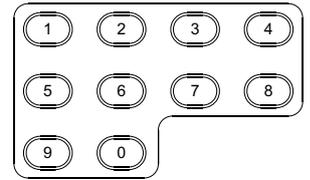
🔊 *If you enter channel number with 0-9 only (without pressing OK), channel selection will be made if there is no operation for a few seconds.*

Method 4 - Using master channel list

Press the **LIST** button to display the master channel list, you may select channel with the ▲ ▼ and **OK** buttons.

Method 5 - Using favorite channel list

Press the **FAVORITE** button to display a desired favorite channel list, you may select channel with the ▲ ▼ and **OK** buttons.

Adjusting Volume

Using VOL+ or VOL- on the remote control or on the TV

Press the **VOL+** or **VOL-** to increase or decrease the volume.

Using MUTE on the remote control

Press **MUTE** to mute the sound. Press it again to cancel the mute.

Using FREEZE button

Press **FREEZE** to temporarily capture a program's picture. You can use this feature to write down information such as phone numbers, recipes, etc. You may press any key to cancel FREEZE and return to normal viewing.

🔊 *The TV automatically cancel FREEZE and return to normal viewing in about a minute.*

Using ZOOM button

Press **ZOOM** repeatedly to choose a proper screen aspect ratio. The following mode may available for your choice.

🔊 *The zoom mode options may differ from different formats of the input signal.*

Normal

Select to match the source's image.(4:3 to 4:3, 16:9 to 16:9)

Example:

Source   *Normal*   Final

🔊 *When you choose **NORMAL** to view a 4:3 program, two black bars keep on the two sides of the screen.*
*For additional protection to the screen, when you are viewing a 4:3 program, please DO NOT use the **NORMAL** feature for a long period of time.*

Using ZOOM button

Direct

Select to detect the resolution of the signal and display an image with the same number of pixels on the screen.

Example:

Source → *Direct* → Final
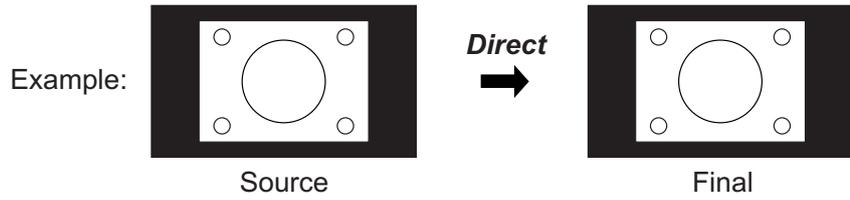
Full Screen

Select to enlarge the 4:3 picture horizontally only, to fill the display area.

Example:

Source → *Full Screen* → Final
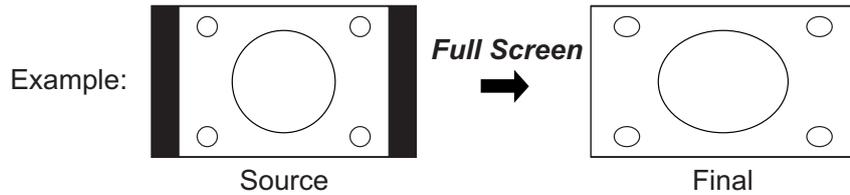
Panoramic

Select to enlarge the 4:3 picture to fill the 16:9 screen, keeping the original image as much as possible.

Example:

Source → *Panoramic* → Final
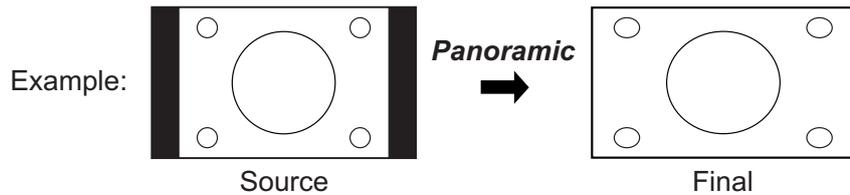
ZOOM 1

Select to enlarge the picture horizontally and vertically to an equal aspect ratio that fills the wide screen.

Example:

Source → *ZOOM 1* → Final
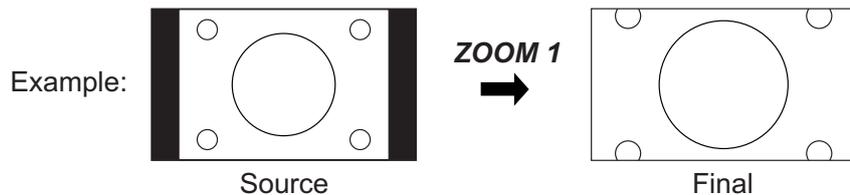
ZOOM 2

Select to view wide-screen DVDs in full screen.

Example:

Source → *ZOOM 2* → Final
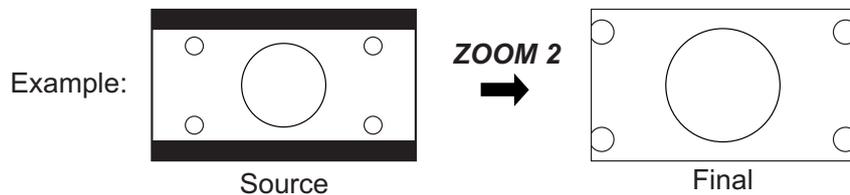
Adjusting MENU Options

Depending on the signal tuned, you may see different MENU options on your screen. As an example, Menus displayed below are based on TV mode.

Picture Control

Accessing Picture Menu

MENU

1. Press **MENU**.................

2. Highlight [**Picture**].........

Use ▲ or ▼ button.

3. Press **OK**.....................
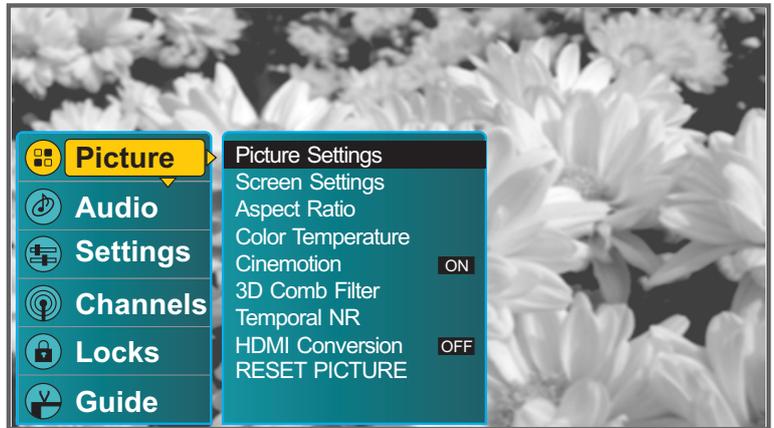
OK

Picture

	Picture	Picture Settings
	Audio	Screen Settings
	Settings	Aspect Ratio
	Channels	Color Temperature
	Locks	Cinemotion ON
	Guide	3D Comb Filter
		Temporal NR
		HDMI Conversion OFF
		RESET PICTURE

To highlight an option and to change settings, press ▲ ▼ ◄ ►. Press **OK** to confirm the selection or alter the settings. Press **EXIT** to exit.

Selecting Picture Options

🔊 *To quickly change the aspect ratio, press the **ZOOM** button repeatedly.*

Option	Description
Picture Settings	Select to access a picture adjustment window, see "***Adjusting Picture Settings***" on the next page.
Screen Settings	Select to access a screen adjustment window for D-Sub or Component input, see "***Adjusting Screen Settings***" on the next page.
Aspect Ratio	Select to access a window in which you can choose a proper aspect ratio for 4:3 or 16:9 program. Select from [Normal], [Direct], [Full Screen], [Panoramic], [ZOOM 1] and [ZOOM 2].
Color Temperature	Choose from the following color temperatures:
	Cool Select to give the white colors a blue tint.
	Neutral Select to give the white colors a neutral tint.
	Warm Select to give the white colors a red tint.
Cinemotion	Select [ON] to optimize the screen display automatically detecting film content and applying a reverse 3-2 pull down process. Moving picture will appear clearer and more natural looking. Select [OFF] to disable the detection.
3D Comb Filter	Select to provides high quality images with minimal dot crawl and cross color noise. Select from [Off], [Low], [Medium] and [High].
Temporal NR *(Analog)*	Select to reduce the noise level of connected equipment. This also reduces the noise level to the signal from the RF jack. Select from [Off], [Low], [Medium] and [High].
HDMI Conversion	Select to change color space for some irregular HDMI signal. Select [ON] when you find abnormal color while viewing HDMI programs. Be sure to select [OFF] for normal HDMI signal.
RESET PICTURE	Select to reset picture settings and adjustments to the defaults.

Picture Control

Adjusting Picture Settings

Picture Settings: TV

Preset	Custom
Brightness	25
Contrast	25
Saturation	25
Tint	25
Sharpness	4

DONE

Choose among different preset adjustments for your TV picture

Option	Description
Preset	Select to choose a picture mode to best match the TV environment, which can vary due to room brightness, type of program watched or the type of image input from external equipment.
Standard	Select for a highly defined image in a normally bright room.
Vivid	Select for enhanced picture contrast and sharpness.
Movie	Select for a movie.
Pro	Select for a normal picture.
Custom	Select to customize the picture as desired.

🔊 *To quickly change the picture mode, press the **PICTURE** button repeatedly.*

Option	Description
Brightness	Select to adjust picture brightness.
Contrast	Select to adjust picture contrast.
Saturation	Select to adjust color saturation for current picture.
Tint	Select to adjust natural flesh tones.
Sharpness	Select to adjust clarity of outline detail.

Adjusting Screen Settings

Adjustment Settings

Horizontal	0
Vertical	0
Phase	17

Auto Sync DONE

Use left and right arrows to change horizontal position
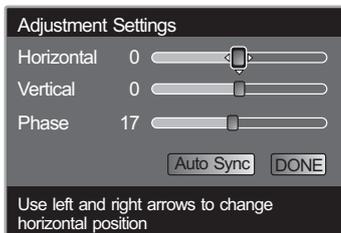
Option	Description
Horizontal	Select to adjust horizontal position for the image.
Vertical	Select to adjust vertical position for the image.
Phase	Adjust when characters have low contrast or when the image flickers.
Auto Sync	Select to automatically adjust the PC image.

🔊 *The [Screen Settings] window can't be accessed unless the TV works in D-Sub or Component mode.*

🔊 *In Component mode, the [Auto Sync] item is unavailable.*

🔊 *In Component mode, when the unit receives 480i signal, the [Vertical] item is ineffective unless its value is larger than 0. Please do not adjust the [Vertical] item to a negative value.*

Adjusting MENU Options

Audio Control

Accessing Audio Menu

MENU

1. Press **MENU**.................

2. Highlight [**Audio**].........
Use ▲ or ▼ button.
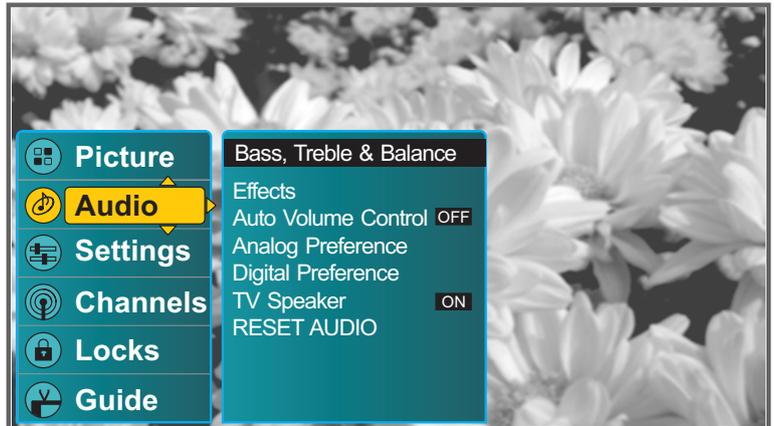
OK

3. Press **OK**.....................

Picture	Bass, Treble & Balance
Audio	Effects
Settings	Auto Volume Control OFF
	Analog Preference
Channels	Digital Preference
Locks	TV Speaker ON
Guide	RESET AUDIO

To highlight an option and to change settings, press ▲ ▼ ◄ ►. Press **OK** to confirm the selection or alter the settings.
Press **EXIT** to exit.

Selecting Audio Options

*To quickly change the audio mode, press the **AUDIO** button repeatedly.*

*For analog channels, you can use the **MTS/SAP** button to cycle through the Multi-channel TV Sound options.*
*For digital channels, use the **MTS/SAP** button to quickly select audio track, if available.*

Option		Description
Bass, Treble & Balance		Select to access an audio adjustment window.
	Bass	Adjust to increase or decrease lower-pitched sounds.
	Treble	Adjust to increase or decrease higher-pitched sounds.
	Balance	Adjust to emphasize left or right speaker balance.
Effects	**None**	Select to turn off the sound effect.
	Hall	Select for a concert program.
	Theater	Select for a movie program.
	Music	Select for a music program.
	Speech	Select for a spoken dialog program.
Auto Volume Control	**ON**	Select to equalize overall volume levels across all channels.
	OFF	Select to turn off Auto Volume Control.
Analog Preference		Use this item to select a stereo mode as a default mode when you switch your TV to a analog program. Select from [Mono], [Stereo] and [SAP].
	Mono	Select for mono reception. Use to reduce noise during weak stereo broadcasts.
	Stereo	Select for stereo reception when viewing a program broadcast in stereo.
	SAP	Select to automatically switch the TV to second audio programs when a signal is received. If no SAP signal is present, the TV remains in Stereo mode.
Digital Preference		Use this item to select a language as a default language when you switch your TV to a digital program.
TV Speaker		Select to turn the TV speakers ON or OFF.
RESET AUDIO		Select to reset audio settings to the defaults.

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Setting Channels

Accessing Channels Menu

MENU

1. Press **MENU**..................

2. Highlight [**Channels**]...
   Use ▲ or ▼ button.

3. Press **OK**......................
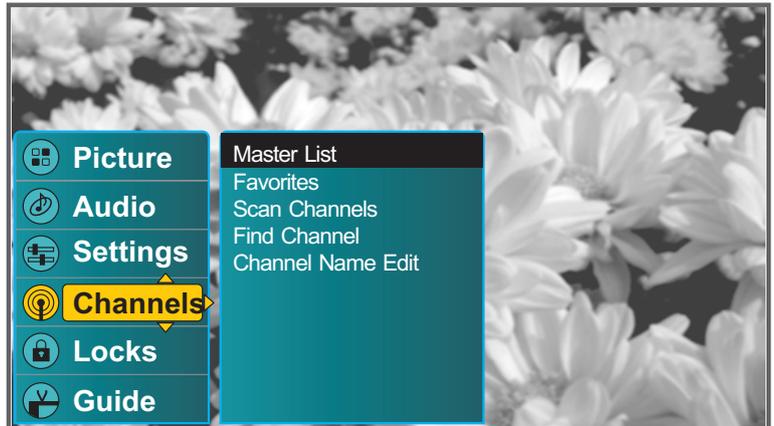
Picture	**Master List**
Audio	Favorites
Settings	Scan Channels
Channels	Find Channel
Locks	Channel Name Edit
Guide	

To highlight an option and to change settings, press ▲ ▼ ◄ ►. Press **OK** to confirm the selection or alter the settings. Press **EXIT** to exit.

Selecting Channel Options

Option	Description
Master List	Select to display all available channels scanned by Auto Program in initial setup. See "*Setting Channel List*" on this page.
Favorites	Allows you to setup favorite channels in 3 different categories. See "*Setting Favorite Channels*" (next page).
Scan Channels	Allows you to run Auto Program manually. You may need to run Auto Program manually if you interrupt the Auto Program process in initial setup. Please refer to "*Running Initial Setup*" for the detailed steps. You will be asked to input a correct secret number before you access the [Channel Scan] screen.
Find Channel	Allows you to find channel manually by input the RF channel number. Please contact your local station or cable operator for this RF channel number information. You will be asked to input a correct secret number before you access the [Find Channel] screen.
Channel Name Edit	Allows you to assign labels (such as station call letters) to a selected channel. See "*Editing Channel Name*" on the next page.

Setting Channel List

In the [Master Channel List] window, you may mark or unmark the desired channels. Only those channels marked with a tick symbol can be selected by the **CH+** or **CH-** button. The unmarked channel(s) can only be selected using the 0-9 number buttons.

Mark All: select to mark all channels.
Unmark All: select to unmark all channels.
Digital Only: Select to mark digital channels only.
Be sure to select [Done] if you finish setting channel list.

Master Channel List

Mark All	2.0	
Unmark All	2.1	KFOX-HD
Digital Only	2.2	KFOX-SD
	3.0	
	4.0	
	4.1	KGO-DT

Done

Press OK to finish

◀)) *You can also access the master channel list by pressing the **LIST** button.*

Adjusting MENU Options

Setting Channels

Setting Favorite Channels

The unit allows you to setup 3 groups (FAV 1, FAV 2 and FAV 3) of favorite channels. You may set up to 16 channels for each favorite channel list.

Use this item to choose FAV 1, FAV 2 or FAV 3

Use this item to deselect all channel

Use this item to rename current favorite channel list

Select this item when you finish setting the favorite channel list

Fav 2 Sports

FAV 2		2.0		
Unmark All		2.1	KFOX-HD	
Rename List		2.2	KFOX-SD	
		3.0		
		4.0		
		4.1	KGO-DT	

Done

Press OK to finish

Rename Favorite Channels List

The unit has assigned a name for each favorite list. For example, the preset name of FAV 2 is Sports. The unit also allows you to rename each list as desired.
Press the ▲ ▼ ◄ or ► buttons to move through the label characters (A-Z, 0-9, etc.). Then press **OK** to select the highlighted character. Repeat to add characters to the label.
Back: select to move cursor backward for one character.
Shift: select to change uppercase or lowercase for A-Z .
Clear: select to clear current inputs.
Select [Done] when you finish labeling the list.

Change Name

FAV 1 Movie_

A	B	C	D	E	F	G
H	I	J	K	L	M	N
O	P	Q	R	S	T	U
V	W	X	Y	Z		,
0	1	2	3	4	5	6
7	8	9		Back		
	Shift			Clear		
			Done			

Press OK to finish

Using the FAVORITE button

Press the **FAVORITE** button repeatedly to select [FAV 1], [FAV 2] or [FAV 3]. The screen displays the current favorite list and the favorite channels saved to the current list. The saved channels can easily be accessed using the ▲/▼ buttons.

If the current channel has been assigned to current list, you can remove the current channel from list by selecting [Remove].If the current list does not include the current channel, you can add the current channel into the list by selecting [Add] item.

Sports
2.0
2.1
2.2
3.0
Add

Editing Channel Name

Master List
Favorites
Scan Channels
Find Channel
Channel Name Edit

Press **OK** or ► button.

Channel Name Edit

2.1	KVUE-HD
2.2	KVUE-DT

Edit channel name in channel list.

Press **OK** button.

Change Name

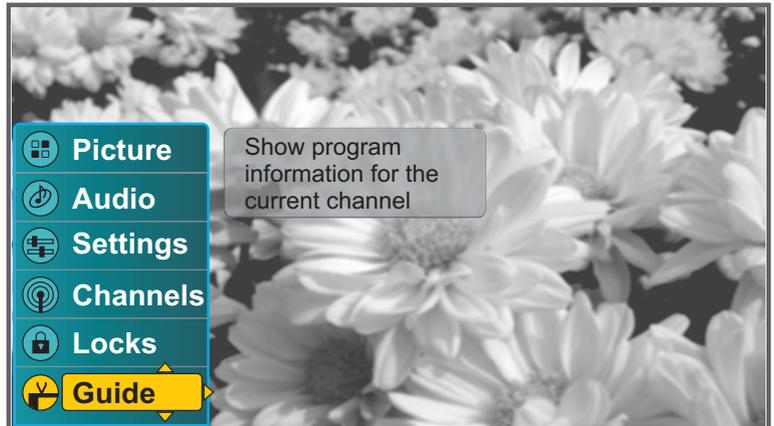|	2.1		KVUE-HD			
A	B	C	D	E	F	G
H	I	J	K	L	M	N
O	P	Q	R	S	T	U
V	W	X	Y	Z		,
0	1	2	3	4	5	6
7	8	9		Back		
	Shift			Clear		
			Done			

Press OK to finish

The unit allows you to assign a label to all available channels as desired by using this feature. In the [Channel Name Edit] window, you need to select a desired channel you want to rename. Please use ▲ ▼ ◄ ► and **OK** buttons to input a desired label name. Be sure to select [Done] item when you finish input.

Using the Program Guide

Accessing Program Guide

1. Press **MENU**.................

2. Highlight [**Guide**].....
Use ▲ or ▼ button.

3. Press **OK**.....................

Picture
Audio
Settings
Channels
Locks
Guide

Show program information for the current channel

Using the Program Guide

This TV is equipped to show program information, if available, from the station. The Program Guide provides some information for the current program and next program if the next program information is available. The information may include channel number, channel name, program title, broadcast time, brief introduction, etc. Normally, you can access the program guide by:

● Using the [*Guide*] menu.
● Using the **GUIDE** button.
● Using the **INFO** button.

Press the **GUIDE** button while watching a program and a simplified information windows appears with channel number, channel name, program title, etc.
If you want to view more detailed information, such as the program introduction, press the ▲ or **GUIDE** button.

SIGNAL
HD1080i   Stereo

Ten bright high-school students arrive at the Los Angles house where they will live and compete for the prize of a full scholarship to the college of their choice. (TV-PG, CC, Digital)

Antenna   8:00 PM
24.1   KVUE-HD   The Scholar
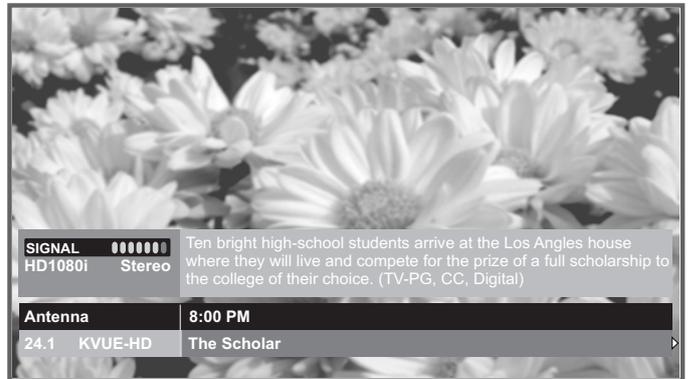
If the information of next program is available, a triangle appears on the bottom-right part of the screen and you may press the ► button for access.

SIGNAL
HD1080i   Stereo

A journalist investigates a bizarre videotape whose images hold deadly consequences for its viewers.

Antenna   8:00 PM   9:00 PM
24.1   KVUE-HD   The Scholar   ◄ The Ring
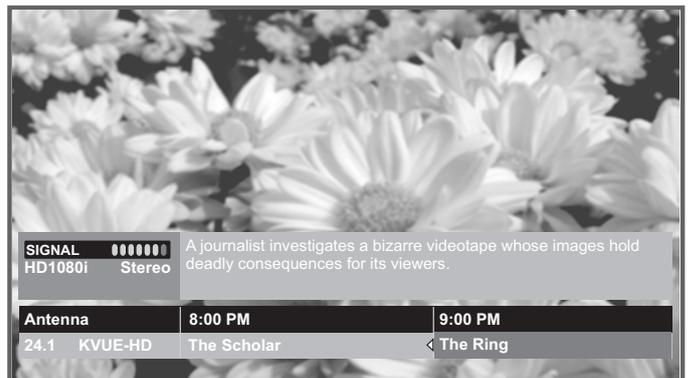
Adjusting MENU Options

Setting System

Accessing Settings Menu

MENU

1. Press **MENU**.................

2. Highlight [**Settings**].....
Use ▲ or ▼ button.

3. Press **OK**.....................

| Picture |
| Audio |
| **Settings** |
| Channels |
| Locks |
| Guide |

Date & Time
Timer
Input Select
Closed Captions
Menu & Displays
RESET ALL

To highlight an option and to change settings, press ▲ ▼ ◄ or ►. Press **OK** to confirm the selection or alter the settings. Press **EXIT** to exit.

Setting Date & Time

Date & Time
Timer
Input Select
Closed Captions
Menu & Displays
RESET ALL

Press **OK** or ► button.
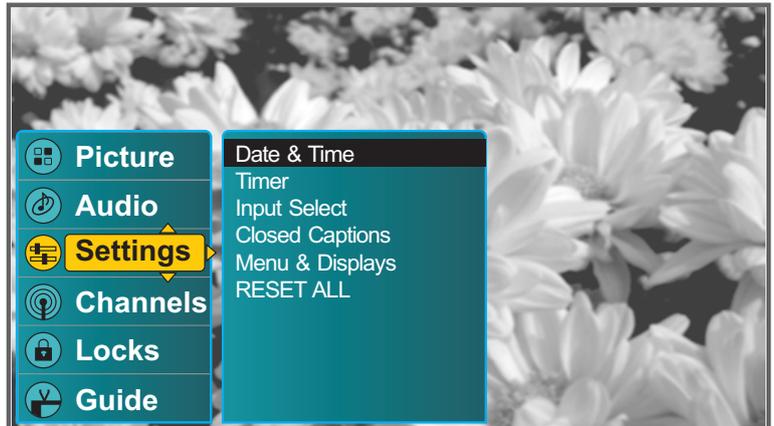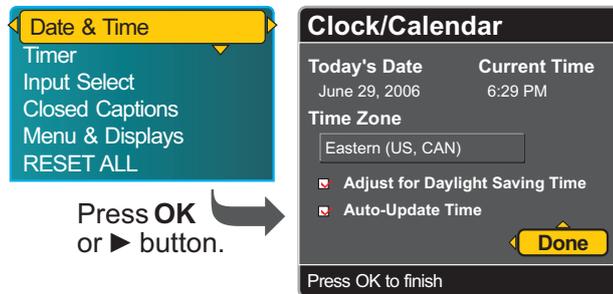
Clock/Calendar

| **Today's Date** | **Current Time** |
| June 29, 2006 | 6:29 PM |

Time Zone
Eastern (US, CAN)

☒ **Adjust for Daylight Saving Time**
☒ **Auto-Update Time**

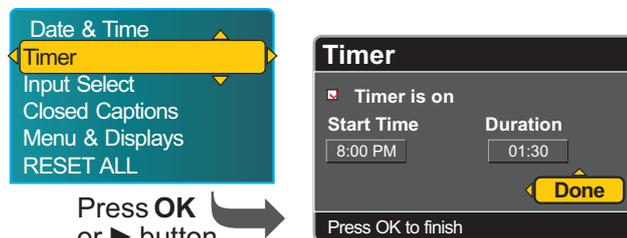**Done**

Press OK to finish

🔊 *Once the AC power is cut off completely, the [Today's Date] and [Current Time] items must be set again when you turn on the unit next time.*

🔊 *When the [Auto-Update Time] is set to ON, the [Today's Date] and [Current Time] items can not be accessed.*

Option	Description
Today's Date	Select to set date.
Current Time	Select to set current time.
Time Zone	Select a proper time zone according to your local area.
Adjust for Daylight Saving Time	Select to observe daylight saving time.
Auto-Update Time	Select to automatically update time from the service provider if this information is broadcasted with the program as well.

Setting Timer

Date & Time
Timer
Input Select
Closed Captions
Menu & Displays
RESET ALL

Press **OK** or ► button.

Timer

☒ **Timer is on**

| **Start Time** | **Duration** |
| 8:00 PM | 01:30 |

Done

Press OK to finish

🔊 *By using the **SLEEP** button, the TV allows you to set the amount of time (15 minutes, 30 minutes, 45 minutes, 60 minutes or 90 minutes) that you want the TV to remain on before shutting off automatically. If you select [Leave TV on], the unit cancels the sleep timer setting.*

Option	Description
Timer is on	Select to activate the current timer.
Start Time	Select to set a start time so that the TV automatically turns on at the selected time.
Duration	Select to set a duration time that you want the TV to remain on before shutting off automatically.

🔊 *When the TV automatically turns on at the select time, if the user operates the TV by pressing any button, the TV automatically cancels the duration time and remains on unless the user turns off the TV.*
Once the timer is activated and performed, the Timer setting will be canceled automatically. The user must set the Timer again to use this feature next time.

Setting System

Input Select

Date & Time
Timer
Input Select
Closed Captions
Menu & Displays
RESET ALL

Press **OK**
or ▶ button.

TV	— Select to view TV programs
AV1	— Select to view programs from AV1 inputs.
SV/AV2	— Select to view programs from AV2 or S-video inputs.
Component1	— Select to view programs from Component1 inputs.
Component2	— Select to view programs from Component2 inputs.
HDMI	— Select to view programs from HDMI input.
D-Sub	— Select to view programs from D-Sub input.

🔊 *To quickly change the input type, press the **INPUT** button repeatedly.*

Setting Caption Vision

Option	Description
Basic Selection	Allows you to select basic closed caption options.
CC1, CC2, CC3, CC4	Displays a printed version of the dialog or sound effects of a program. (Should be set to CC1 for most programs.)
Text1,Text2, Text3,Text4	Displays network/station information presented using either half or the whole screen (if available).
Advanced Selection	Allows you to select advanced digital closed caption options. Select from the available options.
Advanced Appearance	Allows you to make additional settings for digital closed caption options. You may set the following items as desired: Text Style, Text Color, Text Opacity, Text Size, Text align Edge Color, Edge Style, Background Color, Background Opacity, Frame Color and Frame Opacity.
Caption Preference	Allows you to set digital closed captioning to Basic (digital EIA-608) or Advanced (digital EIA-708). Select from [Always Basic], [Always Advanced] and [Automatic].
RESET CC	Select to reset Closed Captions to the default settings.

Using the CCD button

Press the CCD button repeatedly to select [Off], [On] or [On] when muted].

Option	Description
On	Select to turn on the Closed Captions.
Off	Select to turn off the Closed Captions.
On when muted	Select to turn on the Closed Captions when the TV is muted.

Setting Menu & Display

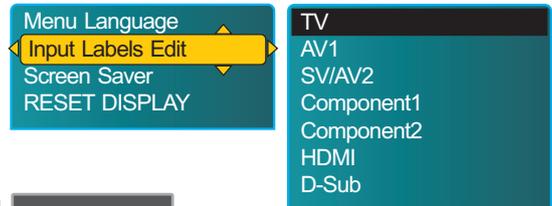| Option	Description
Menu Language	Allows you to select an on-screen menu language. Select from [English], [French] and [Spanish].
Input Labels Edit	Select to edit input labels as desired or according to the connected device. See "*Editing Input Labels*" (next page).
Screen Saver	Select to set screen saver. See "*Setting Screen Saver*" on the next page.
RESET DISPLAY	Select to reset display settings to the defaults.

Adjusting MENU Options

Setting System

Editing Input Labels

1. Highlight the [Menu & Displays] item in [Settings].
Press **OK** or ► button to access the sub-menu.

| Date & Time |
| Timer |
| Input Select |
| Closed Captions |
| Menu & Displays |
| RESET ALL |

| Menu Language |
| Input Labels Edit |
| Screen Saver |
| RESET DISPLAY |
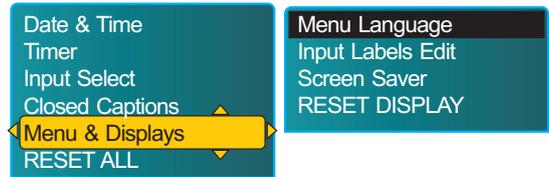
2. Highlight the [Input Labels Edit] item.
Press **OK** or ► button to enter.

| Menu Language |
| Input Labels Edit |
| Screen Saver |
| RESET DISPLAY |

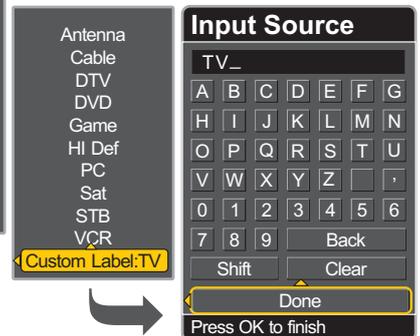| TV |
| AV1 |
| SV/AV2 |
| Component1 |
| Component2 |
| HDMI |
| D-Sub |

3. Highlight the Input Label you want to edit. For example, highlight [TV].
Press **OK** or ► button to enter.
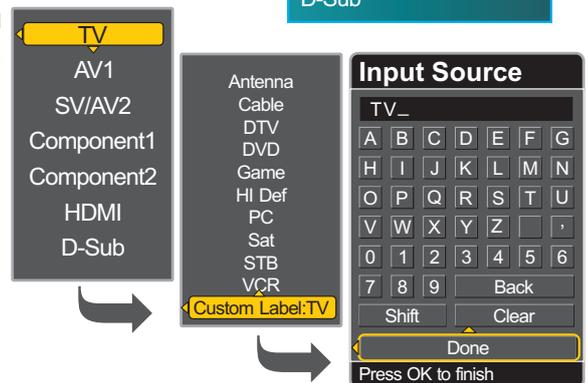
4. Highlight [Custom Label] item.
Press **OK** button to enter.

5. The Label editing window appears. Please use the ▲ ▼ ◄ ► and **OK** buttons to input a label name. Be sure to select [Done] when finished.
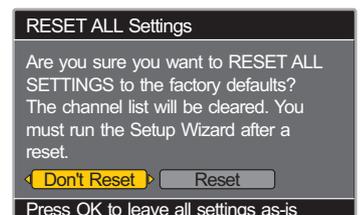
| TV |
| AV1 |
| SV/AV2 |
| Component1 |
| Component2 |
| HDMI |
| D-Sub |

| Antenna |
| Cable |
| DTV |
| DVD |
| Game |
| HI Def |
| PC |
| Sat |
| STB |
| VCR |
| Custom Label:TV |

Input Source

TV_

A	B	C	D	E	F	G
H	I	J	K	L	M	N
O	P	Q	R	S	T	U
V	W	X	Y	Z		,
0	1	2	3	4	5	6
7	8	9		Back		
Shift			Clear			
Done

Press OK to finish

Setting Screen Saver

Option	Description
Activation Delay	Select to set a delay time before the screen saver is activated, when there is no input signal.
Background Color	Select to set a background color when the screen saver is activated.
Test	Select to preview the screen saver.
RESET SCREEN SAVER	Select to reset the settings of the screen saver to the defaults.

Running Reset System

WARNING: Running the [RESET ALL] item will clear all of your customized settings.

Please make sure that you want reset all settings to the factory defaults before you perform this operation. You will be asked to input your secret PIN number when you select [RESET ALL] item in the [SETTINGS] menu.
When the system is reset successfully, all customized settings will be cleared and the unit runs initial setup wizard.

RESET ALL Settings

Are you sure you want to RESET ALL SETTINGS to the factory defaults? The channel list will be cleared. You must run the Setup Wizard after a reset.

| Don't Reset | Reset |

Press OK to leave all settings as-is

Parental Lock Control

Accessing Locks Menu

1. Press **MENU**.................

MENU

2. Highlight [**Locks**]...........
   Use ▲ or ▼ button.

3. Press **OK**.....................

OK

4. Enter a correct PIN.
   Use 0-9 number buttons.

PIN Entry

Picture

Audio

Settings

Channels

Locks

Guide

You must enter your four-digit PIN to continue

Press a Number to enter digit
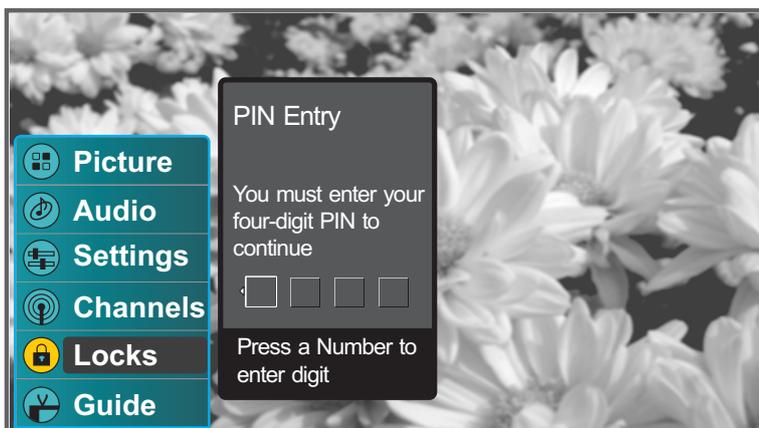
If it is the first time to access the [*Locks*] menu, the unit allows you to set a secret number as desired, please refer to [**Setting a Secret Number**] in chapter "*Getting Started*".

Once the correct PIN is entered, the [*Locks*] menu displays as below.

To highlight an option and to change settings, press ▲ ▼ ◄ ►. Press **OK** to confirm the selection. Press **EXIT** to exit.

Selecting Locks Options

Ratings Locks
Channel Locks
Front Panel Lock OFF
Change PIN
RESET LOCKS

USA
Canada

Option	Description
Ratings Locks	The rating control gives parents control over which broadcasts are accessed by their children. It allows parents to select programs judged suitable for child viewing while blocking ones judged not suitable. It does so automatically once activated. See "*Selecting Locks Options* " on the next page.
Channel Locks	Select the [*Channel Locks*] window, in which you may lock channels as desired. In this window, select [Lock All] to lock all available channels, or select [Unlock All] to unlock all channels. You can use the ▲ ▼ ◄ ► and **OK** buttons to lock individual channels one by one. The Locked channels will be marked with a 🔒 symbol. Be sure to select [Done] when finished.
Front Panel Lock	**ON** Select to enable the panel buttons.
	OFF Select to disable the panel buttons.
Change PIN	Select to change PIN as desired. The old PIN is necessary if you want to change the PIN.
RESET LOCKS	Select to reset the locks settings to the defaults. The customized lock settings will be cleared if you select [RESET].

Adjusting MENU Options

Parental Lock Control

Selecting Locks Options

🔊 *To ensure maximum blocking capability, the age-based ratings should be used.*

US Custom Rating Options

Option		Description
USA-TV	**Age-Based Options**	
Block programs by their rating, content or both.	TV-Y	All children.
	TV-Y7	Directed to children age 7 and older.
	TV-G	General audience.
	TV-PG	Parental guidance suggested.
	TV-14	Parents strongly cautioned.
	TV-MA	Mature audience only.
	Content-Based Options	
	FV	Fantasy violence.
	D	Suggestive dialog.
	L	Strong language.
	S	Sexual situations.
	V	Violence.
USA-Movie	G	All children and general audiences.
	PG	Parental guidance suggested.
	PG-13	Parental guidance for children under 13.
	R	Restricted viewing, parental guidance is suggested for children under 17.
	NC-17	No one 17 and under admitted.
	X	X is an older rating that is unified with NC-17 but may be encoded in the data of older movies.

Canadian Custom Rating Options

Option		Description
CAN-French	G	General programming.
	8 ans+	Not recommended for ages under 8.
	13 ans+	Not recommended for ages under 13.
	16 ans+	Not recommended for ages under 16.
	18 ans+	Programming restricted to adults.
CAN-English	C	All children.
	C8+	Children 8 years and older.
	G	General programming.
	PG	Parental guidance.
	14+	Viewers 14 and older.
	18+	Adult programming.

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

Viewing Locked or Blocked Programs

You can view a locked or blocked program by entering the secret number.

1. Tuned to a locked or blocked program.

2. Enter your secret number using the 0-9 buttons.

Parental Lock will be canceled temporarily until you turn your TV off.

Troubleshooting

If, after reading these operating instructions, you have additional questions related to the use of your television, please call the service center in your area. Before calling service, please check the below symptoms and follow suggested solutions.

Remote Control

Problem	Possible Solutions
Remote control does not operate	● The batteries could be weak. Replace the batteries. ● Check the orientation of the batteries. ● Make sure the power cord is plugged in.

Video and Audio

Problem	Possible Solutions
No picture (screen not lit), No sound	● Make sure the power cord is plugged in. ● Press POWER on the TV or on the remote control. ● Press the input source select button to cycle through the connected video sources. ● Try another channel; it could be station trouble.
Dark, poor or no picture (Screen lit), good sound	● Select a proper picture mode. ● Adjust the brightness in the video setting. ● Check the antenna/cable connections.
No color/dark picture/color Is not correct	● Adjust the color saturation in the video setting.
Only snow and noise appear On the screen	● Check the antenna/cable connections. ● Try another channel; it could be station trouble.
Dotted lines or stripes	● Adjust the antenna. ● Move the TV away from noise sources such as cars, neon signs, or hair dryers.
Double images	● Using a highly directional outdoor antenna or a cable may solve the problem.
"Black box" on screen	● You have selected a text option in the Setup setting and no text is available. Please try to turn off the Close Caption feature or select CC1 instead of Text1-4.
Good picture, no sound	● The sound may be muted. Press MUTE again to cancel. ● Make sure the speaker option is set to On in the Audio settings. ● Make sure the stereo mode is set to stereo or mono.
Audio noise	● Communication problems may occur if infrared communication equipment (e.g., infrared cordless headphones) is used near the TV. Move the infrared communication equipment away from the TV until the noise is eliminated.

Other Information

Troubleshooting

General

Problem	Possible Solutions
One or some channels can't be displayed	● These channels may be locked. Please unlock them (see Lock settings). ● These channels may be set to hidden in the master channel list. You may mark them with the tick symbol to cancel hidden or select them with 0-9 number buttons.
Lost password	● On the password screen, enter the following master password: 1397. You may use the master password to set a new password as desired. Please remember your new password and keep it carefully.
Some items can't be accessed	● If a setting option appears in gray, this indicates that the settings option is unavailable in current input mode.
TV cabinet creaks	● When the TV is in use, there is a natural rise in temperature, causing the cabinet to expand or contract and may be accompanied by a slight creaking noise. This is not a malfunction.
Control buttons do not operate	● Disconnect the power cord and wait for a few seconds. Then re-plug the power cord and turn on the unit again.

Notes:
If your problem is not solved, turn your unit off and then on again.

Cautions:
Never attempt to repair a defective TV yourself.

Care and Maintenance

About After-Image

The extended use of fixed image program material can cause a permanent after-image on the screen.

This background image is viewable on normal programs in the form of a stationary fixed image. This type of irreversible screen deterioration can be limited by observing the following steps:

A. Reduce the brightness/contrast setting to a minimum viewing level.

B. Do not display the fixed image for extended periods of time.

C. Turn the power off when not in actual use.

Important Information Regarding Use of Video Games, Computers, Captions or Other Fixed Image Displays.

- Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the screen.

  Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode.

CAUTIONS:

- The permanent after-image on the screen resulting from fixed image use is not an operating defect and as such is not covered by the warranty.

- This product is not designed to display fixed images for extended periods of time.

Cleaning and Maintenance

To clean this unit, wipe with a soft, dry cloth.

If the surfaces are extremely dirty, use a soft cloth dipped in a soap and water solution or a weak detergent solution.

- Use eyeglass cleaner to remove stubborn dirt from the screen.
- Never use alcohol, paint thinner or benzine to clean this unit.
- Before using a chemically treated cloth, read the instructions that came with the cloth carefully.

Other Information

Specifications

Type:		LCD TV
Panel:		27" TFT LCD
TV system:		American TV standard ATSC/NTSC System
Receiving Channel:		
	VHF/UHF:	VHF 2-13ch, UHF 14-69ch
	CATV:	1-125ch
	Digital Terrestrial Broadcast:	2-69ch
	Digital cable:	1-135ch
Audio multiplex:		BTSC System
Audio out:		8W × 2
Power Requirement:		AC 110-240 V, 50/60Hz
Power Consumption:		140 W
Dimensions (W X H X D in inches):		27.56"W × 18.5"H × 4.25"D
Weight:		38 lbs
Terminals:		
IN	Composite Video/Audio(L/R):	2
	S-video:	1
	Component Video/Audio(L/R):	2
	HDMI interface:	1
	D-Sub/Audio:	1
	Antenna:	1
OUT	Composite Video/Audio(L/R):	1
Control	USB Port:	1

- **As part of policy of continuous improvement, the manufacturer reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.**