

# User Guide



30" High Definition Television

**IS-TVHD30**

## Welcome

Congratulations on your purchase of a high-quality Insignia product. Your IS-TVHD30 30" HD-Ready TV represents the state of the art in HD-Ready TVs, and is designed for reliable and trouble-free performance.

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## Safety information

### Warning



To reduce the risk of fire or electric shock, do not expose your HD-Ready TV to rain or moisture.

### Warning



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

### READ INSTRUCTIONS

Read all safety and operating instructions before operating your HD-Ready TV.

### RETAIN INSTRUCTIONS

Keep the safety and operating instructions for future reference.

### HEED WARNINGS

Follow to all warnings on your HD-Ready TV and in the operating instructions.

### FOLLOW INSTRUCTIONS

Follow all operating and use instructions.

### CLEANING

Unplug your HD-Ready TV from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning the exterior cabinet only.

### ATTACHMENTS

The manufacturer of your HD-Ready TV does not make any recommendations for attachments, as they may cause hazards.

**WATER AND MOISTURE**

Do not use your HD-Ready TV near water, for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

**ACCESSORIES**

Do not place your HD-Ready TV on an unstable cart, stand, tripod, bracket, or table. The TV may fall, causing serious bodily injury and serious damage to your TV.

Make sure that you move an HD-Ready TV and cart combination with care. Quick stops, excessive force, and uneven surfaces may cause your TV and cart combination to overturn.

**VENTILATION**

Slots and openings in the cabinet back or bottom are provided for ventilation, to ensure reliable operation of your HD-Ready TV, and to protect it from overheating. These openings must not be blocked or covered. Do not place your HD-Ready TV on a bed, sofa, rug, or other similar surface. Do not place your HD-Ready TV near or over a radiator or heat source. Do not place your HD-Ready TV in a built-in installation such as a bookcase or rack unless you provide adequate ventilation or follow the manufacturer's instructions.

**POWER SOURCE**

Operate your HD-Ready TV only from the type of power source indicated on the rating plate.

If you are not sure of the type of power supply to your home, consult your HD-Ready TV dealer or local power company.

**GROUNDING AND POLARIZATION**

Your HD-Ready TV is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). 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 should still fail to fit, contact your electrician to replace your obsolete outlet. Instead of the polarized alternating-current line plug, your HD-Ready TV may be equipped with a 3-wire grounding-type plug (a plug having a third grounding pin). This plug will only fit into a grounding-type power outlet. This, too, is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.

**POWER CORD PROTECTION**

Route power supply cords so they are not likely to be walked on or pinched by items placed on or against them. Pay particular attention to cords at plugs, wall outlet, and the point where they exit from your HD-Ready TV.

**LIGHTNING**

To protect your HD-Ready TV from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system.

This will prevent damage to your HD-Ready TV from lightning and power line surges.

**POWER LINES**

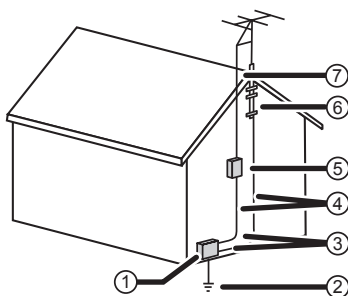
Do not locate an outside antenna system in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall onto or against such power lines or circuits. When installing an outside antenna system, take extreme care to keep from touching such power lines or circuits because contact with them might be fatal.

**OVERLOADING**

Do not overload wall outlets and extension cords because this can result in a risk of fire or electric shock.

**OUTDOOR ANTENNA GROUNDING**

If an outside antenna or cable system is connected to your HD-Ready TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code (NEC), ANSI/NFPA 70, provides information with respect to correct 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.



1	Electric service equipment
2	Power service grounding electrode system
3	Ground clamps
4	Grounding conductors
5	Antenna discharge unit

6	Grounding clamp
7	Antenna lead in wire

## OBJECT AND LIQUID ENTRY

Do not push objects through any openings in your HD-Ready TV because they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into your HD-Ready TV.

## SERVICING

Do not attempt to service your HD-Ready TV yourself because opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

## DAMAGE REQUIRING SERVICE

Unplug your HD-Ready TV from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen, into your HD-Ready TV.
- If your HD-Ready TV has been exposed to rain or water.
- If your HD-Ready TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because an incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your HD-Ready TV to its normal operation.
- If your HD-Ready TV has been dropped or the cabinet has been damaged.
- If your HD-Ready TV exhibits a distinct change in performance, this indicates a need for service.

## REPLACEMENT PARTS

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part.

Unauthorized substitutions may result in fire, electric shock, or other hazards.

## SAFETY CHECK

Upon completion of any service or repairs to your HD-Ready TV, ask the service technician to perform safety checks to determine that your HD-Ready TV is in correct operating condition.

## HEAT

Locate your HD-Ready TV away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

**CONNECTING**

When you connect your HD-Ready TV to other equipment, turn off the power and unplug all of the equipment from the wall outlets. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.

**SOUND VOLUME**

Reduce the volume to the minimum level before you turn on your HD-Ready TV. Otherwise, sudden high volume sound may cause hearing loss or speaker damage.

**SOUND DISTORTION**

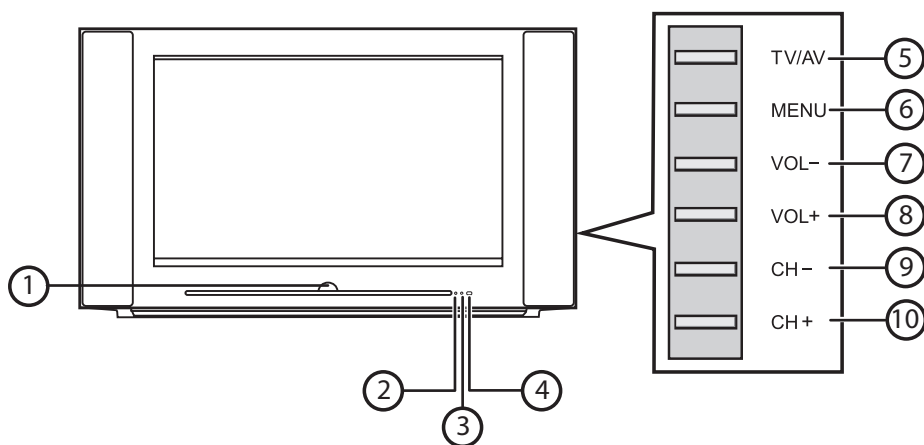
If you HD-Ready TV outputs distorted sound for a long time, the speakers may overheat and cause a fire.

**HEADPHONES**

When you use the headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.

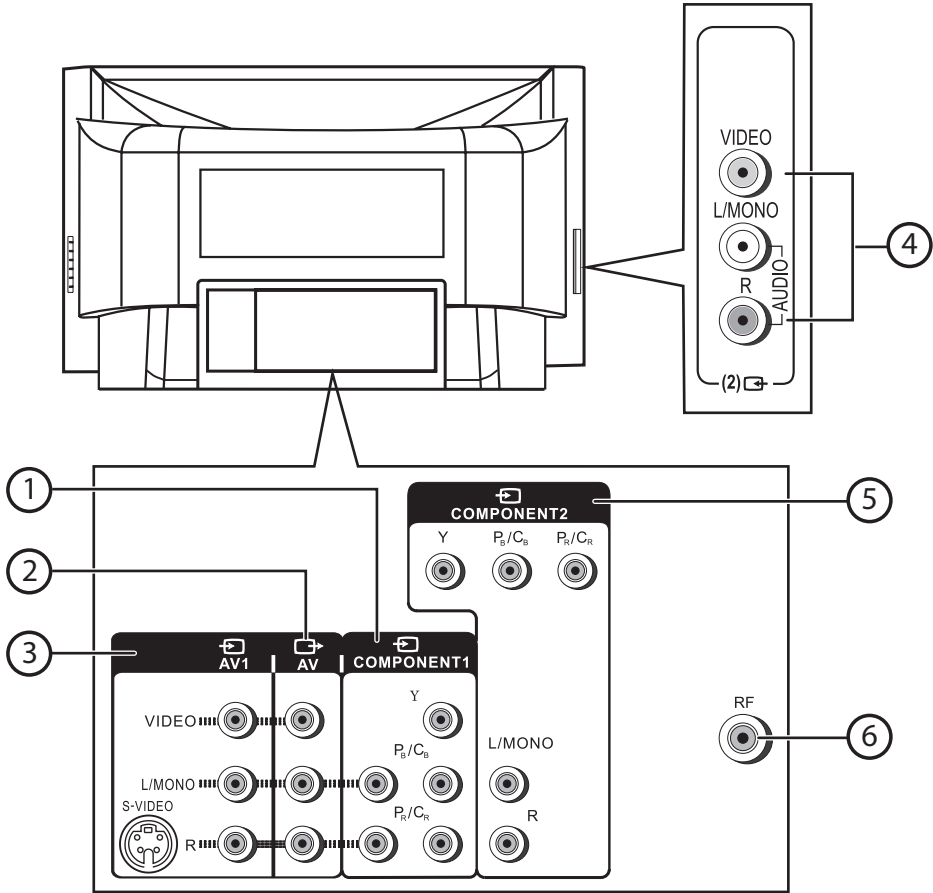
**NOTE TO CABLE SYSTEM TV INSTALLER**

This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the NEC that provides guidelines for correct grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

**Features****Front**

	Component	Description
1	Power button and indicator	Press the power button to turn your HD-Ready TV on and off.
2	Standby indicator	This indicator (red) is on when your HD-Ready TV is in standby mode.
3	Power on indicator	This indicator (green) is on when your HD-Ready TV is turned on.
4	Remote sensor	Receives signals from the remote control. Do not block.
5	TV/AV button	Press to change the video source.
6	MENU button	Press to open the on-screen menu.
7	VOL –	Press to decrease the volume.
8	VOL +	Press to increase the volume.
9	CH –	Press to change channels downward.
10	CH +	Press to change channels upward.

Back

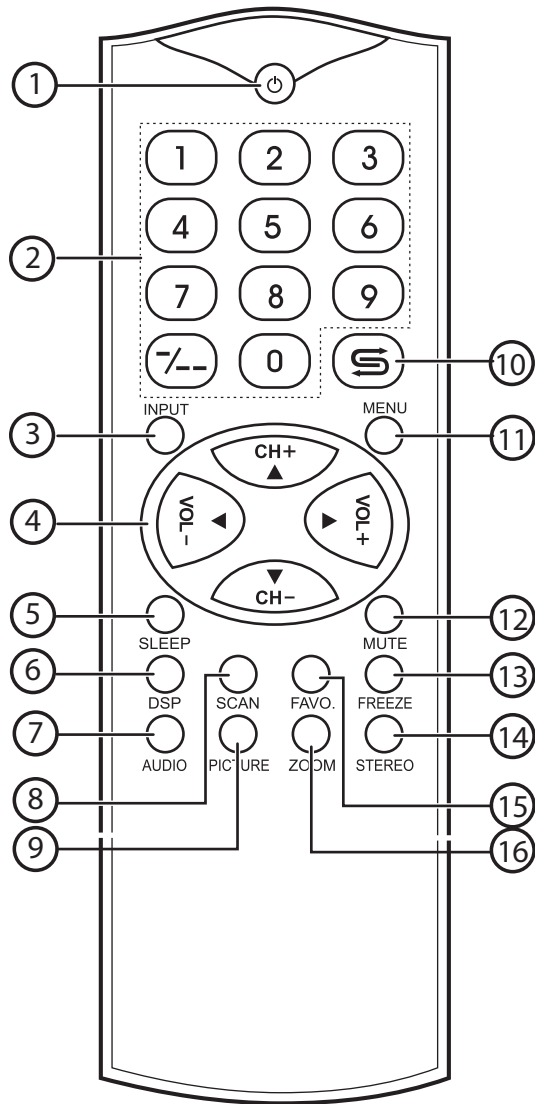


	Connection	Description
1	COMPONENT1	Plug a component video device into these jacks. Jacks on the left are for Left/Mono (top) and Right (bottom) audio input.
2	AV (output)	Plug an external device such as a VCR or stereo into these AV output jacks.
3	AV1 (input)	Plug an external device such as a VCR into these jacks.



	Connection	Description
4	AV2 (input)	Plug an external device such as a video camcorder into these jacks.
5	COMPONENT2	Plug a component video device into these jacks. Lower jacks are for Left/Mono (top) and Right (bottom) audio input.
6	RF	Plug the 75-ohm cable from your antenna, cable TV, or satellite dish into this jack.

Remote control



	Button	Description
1	Power	Press to turn your HD-Ready TV on and off.

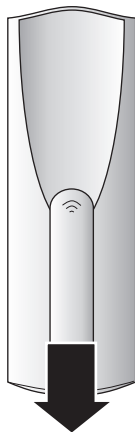
	Button	Description
2	Number pad	Press to enter channel numbers.
3	INPUT	Press to select the video input source.
4	Volume and channel	Press the VOL + or VOL – button to adjust the volume. When the OSD is open, press to adjust options. Press the CH + or CH – button to change the channel. When the OSD is open, press to select a menu or option.
5	SLEEP	Press to set the sleep timer.
6	DSP	Press to display the current channel number and audio mode.
7	AUDIO	Press to select the audio mode.
8	SCAN	Press to scan through the available channels.
9	PICTURE	Press to select the picture mode.
10	Last channel	Press to return to the last channel you were watching.
11	MENU	Press to open the on-screen display (OSD).
12	MUTE	Press to mute the sound. Press again to restore sound.
13	FREEZE	Press to freeze the picture. Press again to resume playback.
14	STEREO	Press the select the audio mode.
15	FAVO	Press to select favorite channels.
16	ZOOM	Press to enlarge the picture.

## Setting up your HD-Ready TV

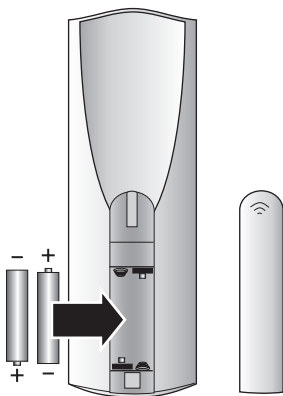
### Installing the remote control batteries

To install the remote control batteries:

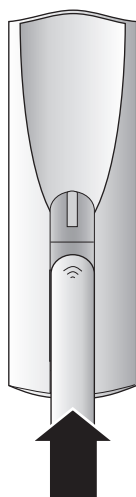
- 1 Open the battery cover.



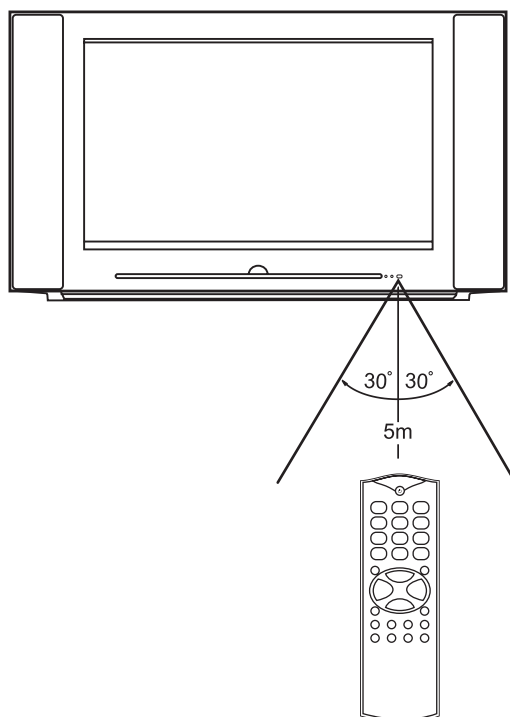
- 2 Insert two AAA batteries. Make sure that the +/– symbols on the battery match the +/–marks inside the battery compartment.



- 3 Replace the battery cover.



#### REMOTE CONTROL SIGNAL RANGE



**Notes**

- Make sure that you have a clear line of sight between the remote sensor on the front of your HD-Ready TV and the remote control.
- When direct sunlight, or an incandescent lamp, fluorescent lamp, or any other strong light shines on the remote sensor, the remote control function may be unstable.
- Do not try to recharge the batteries. They are not intended to be recharged.
- Use only the size and type of batteries specified. Do not mix different types of batteries together or old batteries with fresh ones.
- When the remote control will not be used for a long period of time or when the batteries are worn out, remove the batteries.
- Do not throw the batteries into a fire. Dispose of or recycle used batteries correctly.
- Do not drop, dampen, or disassemble the remote control.

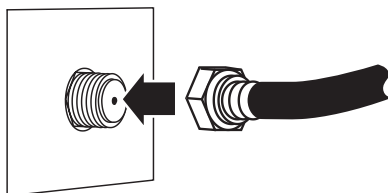
**Connecting to cable TV, a satellite dish, or an outside antenna****Note**

Install your HD-Ready TV in a room where direct light will not shine on the screen. Total darkness or a reflection on the screen may cause eye strain. We recommend soft, indirect lighting for comfortable viewing.

Your HD-Ready TV has an extended tuning range and can tune most cable channels without using a Cable TV converter box. Some Cable TV companies offer “premium pay channels” in which the signal is scrambled. Descrambling these signals for normal viewing requires the use of a converter box which is generally provided by the cable company.

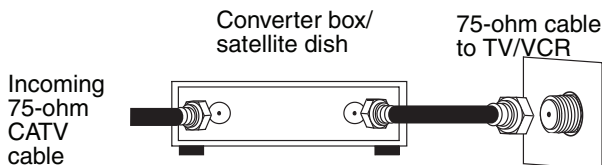
**CONNECTING TO CABLE TV OR A SATELLITE DISH****To connect to cable TV without a converter box:**

- Connect the CATV 75-ohm coaxial cable to the VHF/UHF jack on the back of your HD-Ready TV.



**To connect to cable TV with a converter box or to a satellite dish:**

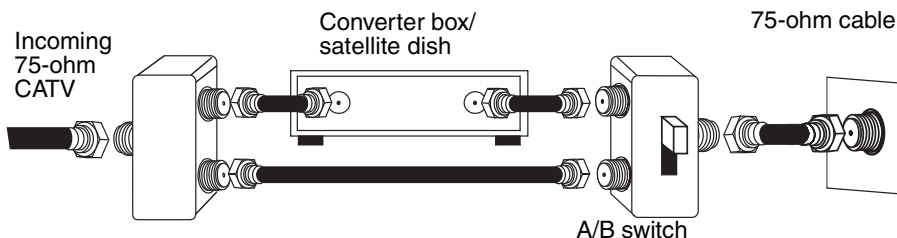
- 1 Connect the incoming 75-ohm coaxial cable to the converter/descrambler box.



- 2 Connect the output of the converter box or satellite box to the antenna jack on the back of your HD-Ready TV.
- 3 Set your HD-Ready TV to the output channel of the converter box or satellite box (usually 3 or 4), then use the converter box or satellite box to select channels.

**To connect cable TV with basic (unscrambled) channels and scrambled channels:**

- 1 Connect the 75 ohm cable from the cable TV service to a splitter (not supplied).



- 2 Connect a 75-ohm cable from the splitter to the cable converter box input jack, then connect another 75-ohm cable from the converter box output jack to the A jack on an A/B switch box (not supplied).
- 3 Connect a 75-ohm cable from the splitter to the B jack on the A/B switch box.
- 4 Connect the A/B switch box to the VHF/UHF jack on the back of your HD-Ready TV
- 5 To watch scrambled channels, set the switch box to the A position, set your HD-Ready TV to the output channel of the converter box (usually 3 or 4), then use the converter box or satellite box to select channels.

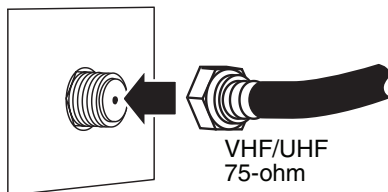
Or

To watch unscrambled channels, set the switch box to the B position, then use your HD-Ready TV remote control to tune channels.

**CONNECTING AN OUTDOOR VHF/UHF ANTENNA**

**To connect an outdoor VHF/UHF antenna with a single 75-ohm cable or 300-ohm twin-lead wire:**

- Connect the 75-ohm cable from a combination VHF/UHF antenna to the antenna jack.

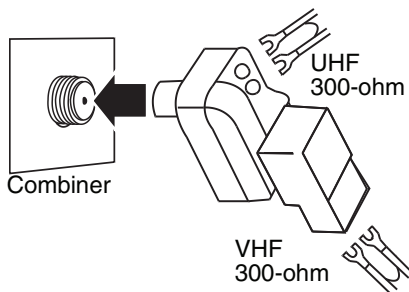


Or

If your combination antenna has a 300-ohm twin-lead wire, use a 300-75 ohm matching transformer (not included).

**To connect an outdoor VHF/UHF antenna with separate VHF and UHF 300-ohm twin-leads:**

- 1 Connect the UHF twin-lead wire to a combiner (not supplied).



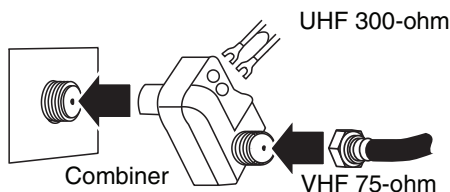
- 2 Connect the VHF twin-lead to a 300-75-ohm matching transformer (not supplied).
- 3 Attach the transformer to the combiner.
- 4 Attach the combiner to the antenna jack.



## CONNECTING SEPARATE VHF/UHF ANTENNAS

### To connect separate VHF/UHF antennas:

- 1 Connect the 75-ohm cable from the VHF antenna and the UHF antenna twin-lead wire to a combiner (not supplied).



- 2 Attach the combiner to the antenna jack.

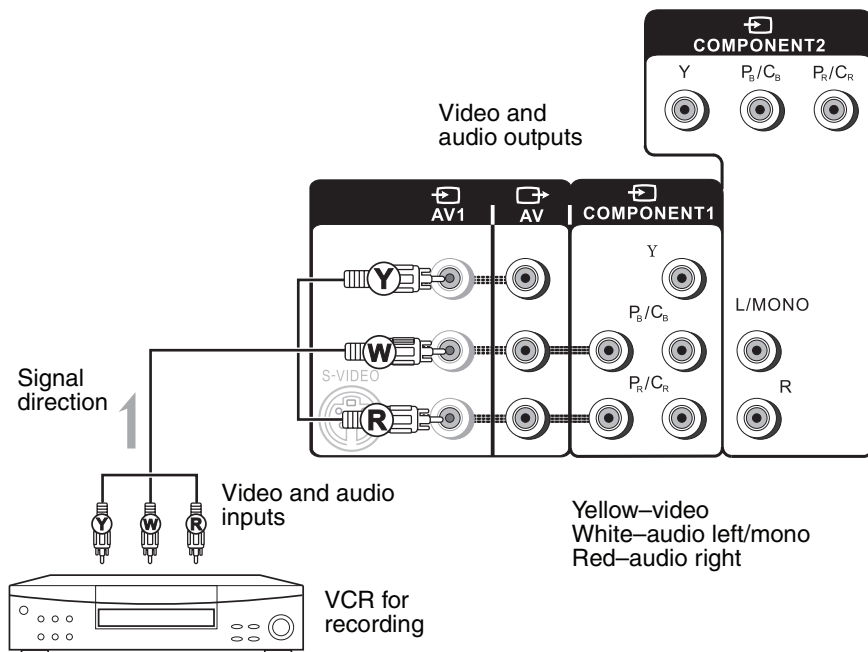
Or

If your VHF antenna has a twin-lead wire use a 300-75-ohm matching transformer, connect the transformer to the combiner.

## Connecting external A/V devices

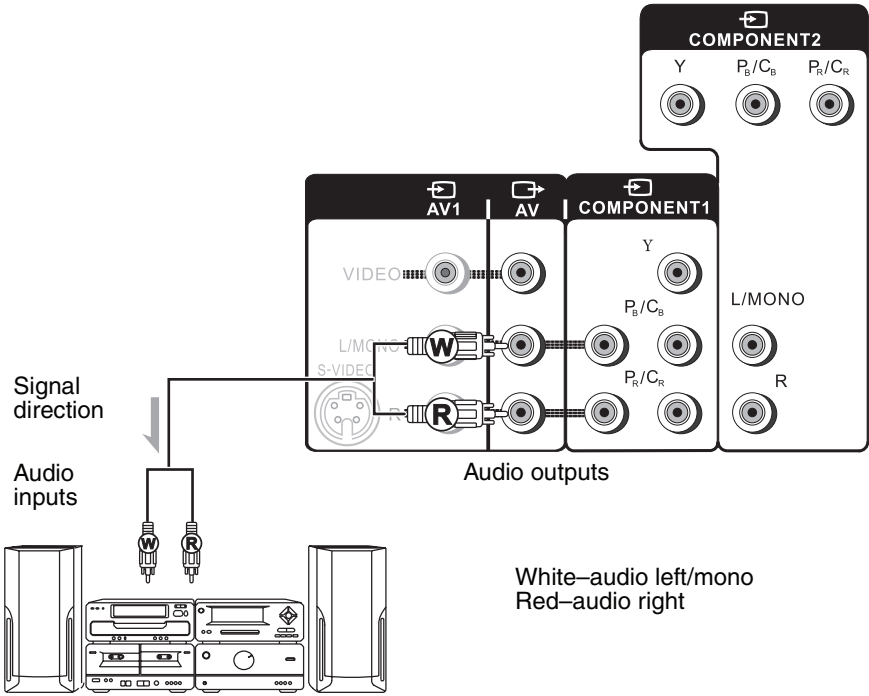
### CONNECTING A VCR

Use the following illustration to connect a VCR to the AV1 inputs on the back of your HD-Ready TV.



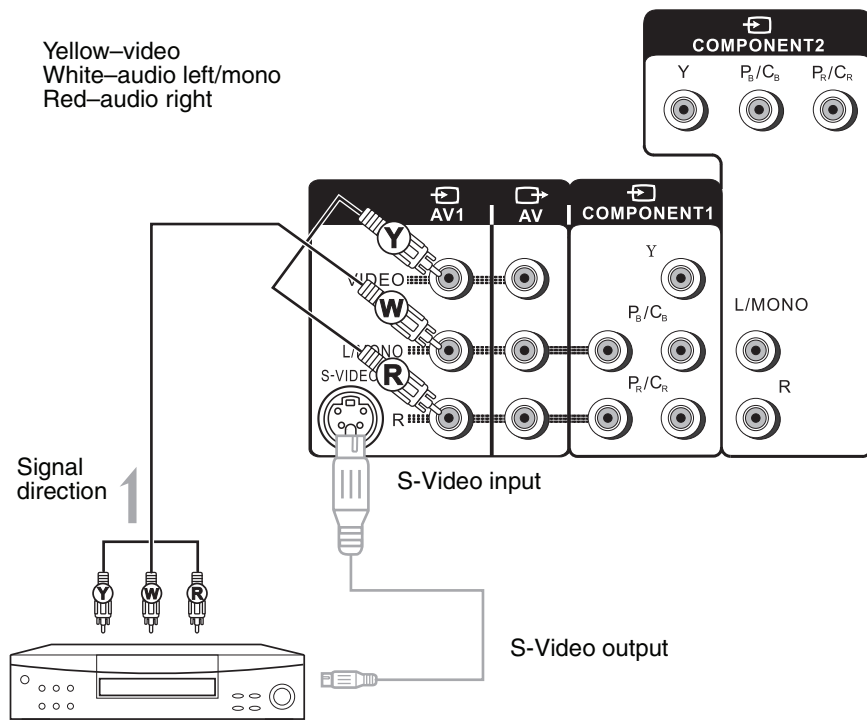
**CONNECTING A STEREO SYSTEM**

Use the following illustration to connect a stereo system to the AV outputs on the back of your HD-Ready TV.



## CONNECTING A DEVICE TO THE A/V1 INPUTS

Use the following illustration to connect an external A/V device to the AV1 inputs on the back of your HD-Ready TV.



### Note



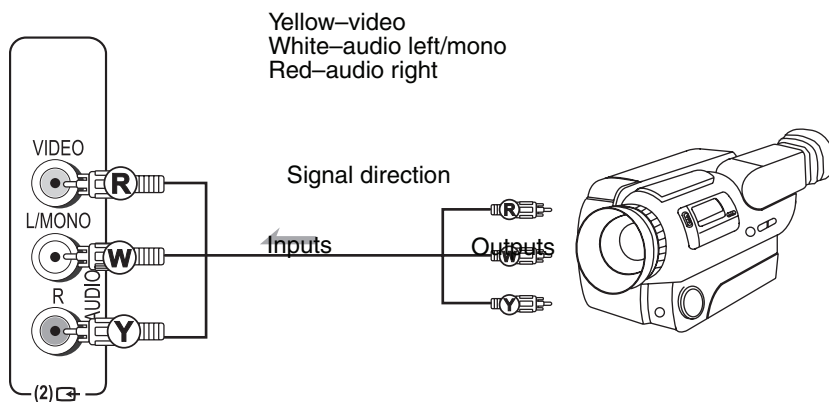
For better video, you can use the S-VIDEO jack if your source supports it. S-Video input uses the same circuit as A/V1. Only one of the jacks can be used. S-Video has priority if both connectors are inserted.

## To view a video program from the AV1 inputs:

- 1 Press the INPUT button to open the input menu.
- 2 Press the CH + or CH – button to select AV1 or S-VIDEO.
- 3 Press the VOL + or VOL – button to confirm your selection.

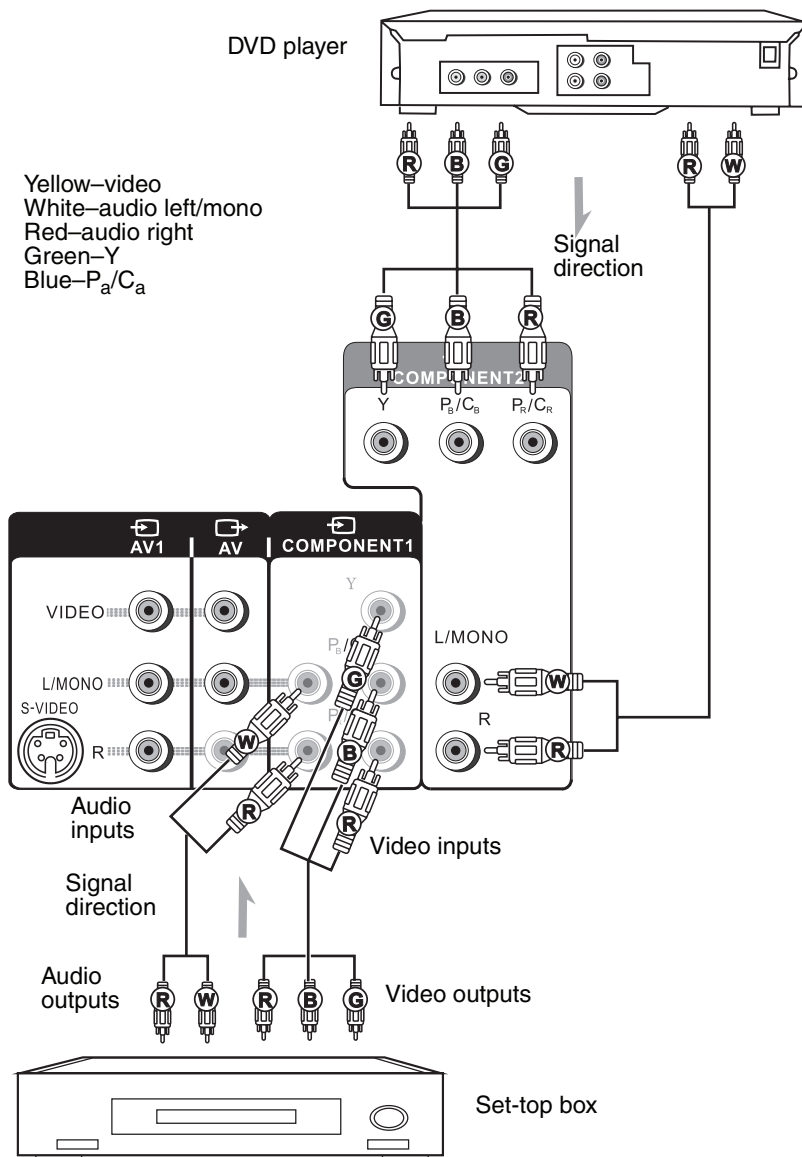
**CONNECTING A DEVICE TO THE AV/2 INPUTS**

Use the following illustration to connect an external A/V device to the AV2 inputs on the side of your HD-Ready TV.



## CONNECTING A DEVICE TO THE COMPONENT INPUTS

Use the following illustration to connect an external A/V device to the component inputs on the side of your HD-Ready TV.



**To view a video program from the component input:**

- 1 Press the INPUT button to open the input menu.
- 2 Press the CH + or CH – button to select COMPONENT 1 or COMPONENT 2.
- 3 Press the VOL + or VOL – button to confirm your selection.

## Using your HD-Ready TV

### Turning your HD-Ready TV on and off

**To turn your HD-Ready TV on and off:**

- 1 Plug the power cable into an electrical outlet.

**Warning**

Your HD-Ready TV is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). 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 does not fit, contact your electrician to replace your obsolete outlet.

To prevent electric shock, do not use the polarized plug with an extension cord or other outlet unless the blades can be fully inserted.

- 2 Press the POWER button on the remote control or front of your HD-Ready TV to turn your TV on or off.

**Notes**

You can also set the Sleep timer or Off time to automatically turn off your HD-Ready TV at a specified time.

## Watching a TV program

**To watch a TV program when your HD-Ready TV is connected to an outside antenna or to cable TV without a converter box:**

- 1 Turn on your HD-Ready TV.
- 2 Press the CH + or CH – button to tune to a channel.

Or

If you want to direct tune a channel:

- For a one-digit channel number, press the  $\overline{\text{7}}$ -- button until – appears, then press the number button for the channel.
- For a two-digit channel number, press the  $\overline{\text{7}}$ -- button until -- appears, then press the number buttons for the channel.
- For a three-digit channel number, press the  $\overline{\text{7}}$ -- button until --- appears, then press the number buttons for the channel.

Or

If you want to scan for a channel, press the SCAN button. Your HD-Ready TV scans all channels one by one. Each channel appears for a few seconds. When you see a channel you want to watch, press the SCAN button.

**To watch a TV program when your HD-Ready TV is connected to a cable TV converter box or satellite box:**

- 1 Turn on your HD-Ready TV.
- 2 Set your HD-Ready TV to the output channel of the converter box or satellite box (usually 3 or 4).
- 3 Use the converter box or satellite box to select channels.

## Selecting the picture mode

You can select a picture mode to improve the video display. Each picture mode has its own picture settings such as color, brightness, contrast, sharpness, and tint.

**To select the picture mode:**

- Press the PICTURE button one or more times to cycle through the available picture modes. You can select:
  - **Movie**—select for finely detailed images.
  - **Standard**—select for most TV programs
  - **Sport**—select for bright images.
  - **Personal**—when you make adjustments to the picture settings in the OSD, these settings are stored in the Personal picture mode.

## Selecting the picture aspect

### To select the picture aspect:

- Press the ZOOM button to select the picture aspect (size). You can select:
  - 16:9
  - 4:3

## Selecting the audio mode

### To select the audio mode:

- Press the AUDIO button one or more times to cycle through the available audio modes. You can select:
  - **Movie**—select for TV movies.
  - **Music**—select for musical programs.
  - **News**—select for news and talk shows.
  - **Personal**—when you make adjustments to the audio settings in the OSD, these settings are stored in the Personal audio mode.

## Selecting the audio format

### To select the audio format:

- Press the STEREO button to select the audio format. You can select:
  - **STEREO**—select if the TV program is broadcast in stereo.
  - **SAP**—select if the TV program has a second audio program (SAP).
  - **MONO**—select if the TV program is broadcast in mono.



## Adjusting HD-Ready TV settings




Your HD-Ready TV has an on-screen display (OSD) you can use to adjust various settings such as brightness, contrast, and audio. You can also use the OSD to set timers and parental controls.


### To use the OSD:

- 1 Press the MENU button on your remote control one or more times to open the on-screen display and select a menu.
- 2 Press the CH + or CH – button to select an option.
- 3 Press the VOL + or VOL – button to adjust the option or select a submenu.
- 4 If you selected a submenu, press the CH + or CH – button to select an option, then press the VOL + or VOL – button to adjust the option.



Menu	Options
<b>Video</b> 	<p><b>Contrast</b>—Increases the picture level to adjust the white areas of the picture. Decreases the picture level to adjust the black areas of the picture.</p> <p><b>Brightness</b>—Increases the brightness to add more light to dark areas of the picture. Decreases the brightness to add more dark to light areas of the picture.</p> <p><b>Color</b>—Adjusts the overall color of the picture.</p> <p><b>Sharpness</b>—Increases the sharpness level to show cleaner and clearer images. Decreases the level to show a smoother picture.</p> <p><b>Tint</b>—Increases the color level to add more green to skin tones. Decreases the color level to add more red to skin tones.</p> <p><b>Advanced</b> (submenu)—You can select the following options:</p> <p><b>DCTI</b>—Provides color transitions without bleeding.</p> <p><b>TFNR</b>—Reduces noise (snow) in the picture.</p> <p><b>DETI</b>—Maintains fine image detail in color saturated areas.</p> <p><b>SVM</b>—Increases picture sharpness and provides crisp white to black transitions.</p>
<b>Audio</b> 	<p><b>Treble</b>—Adjusts the treble.</p> <p><b>Bass</b>—Adjusts the bass.</p> <p><b>Balance</b>—Adjusts the sound level between the right and left audio channels.</p> <p><b>Surround</b>—Turns surround sound on and off.</p> <p><b>Woofers</b>—Turns the woofers on and off.</p>

Menu	Options
<b>Channel</b> 	<p><b>Program</b>—Shows the current channel number and frequency.</p> <p><b>Air/Cable</b>—Sets the signal source as a TV antenna or CATV signal.</p> <p><b>Add/Erase</b>—Adds or erases a channel number from stored memory. For more information, see “Adding or erasing a channel from memory” on page 26.</p> <p><b>Favorite</b>—Adds a channel to your list of favorite channels. For more information, see “Setting a favorite channel” on page 26.</p> <p><b>M. Fine</b>—If the picture or sound quality are poor, improves the picture or sound. If the picture and sound quality are good, do not change this option.</p> <p><b>Search</b>—Automatically searches for TV channels that have a signal.</p>
<b>H &amp; V</b> 	<p>For component video input only</p> <p><b>H Position</b>—Adjust the horizontal position of the picture.</p> <p><b>H Size</b>—Adjust the horizontal size of the picture.</p> <p><b>V Position</b>—Adjusts the vertical position of the picture.</p> <p><b>V Size</b>—Adjusts the vertical size of the picture.</p>
<b>Time</b> 	<p><b>Timer Off</b>—Sets the amount of time you want your HD-Ready TV to wait before automatically turning off.</p> <p><b>Timer On</b>—Sets the amount of time you want your HD-Ready TV to wait before automatically turning on.</p> <p><b>Timer Pr.</b>—Sets the amount of time you want your HD-Ready TV to wait before it tunes to a preset channel. Use the Prog No. option to preset the channel.</p> <p><b>Prog No.</b>—Presets a channel for automatic tuning. Use the Timer Pr. option to set the time you want HD-Ready TV to switch to the preset channel.</p> <p><b>Air/Cable</b>—After you set the Prog No. option, selects Air (antenna) or Cable mode for the channel set in the Prog No. option.</p>

Menu	Options
<b>Setup</b> 	<p><b>Language</b>—Selects the language for the OSD.</p> <p><b>Blue screen</b>—Displays a blue screen when your HD-Ready TV is not receiving a video signal.</p> <p><b>Rotation</b>—Adjusts the position of the image on the screen.</p> <p><b>CCD Mode</b>—Turns closed captioning on and off. When this option is turned on, you can select the caption data channel (C1, C2, C3, or C4) and the text service channel (T1, T2, T3, or T4). The TV channel you are watching must provide closed captioning for this option to work.</p> <p><b>Parental Control</b>—Set up the V-Chip to block and unblock TV programs and movies. For more information, see “Setting up parental controls” on page 27.</p>

## Setting a favorite channel

### To set a favorite channel:

- 1 Tune to a favorite channel.
- 2 Press the MENU button one or more times to open the CHANNEL menu.
- 3 Press the CH + or CH – button to select Favorite.
- 4 Press the VOL + or VOL – button to select ON.
- 5 Repeat these steps to add additional favorite channels.

## Adding or erasing a channel from memory

You can delete a channel from the list of channels you can access by pressing the CH + or CH – button. This option is useful if you do not want children watching adult channels. After you delete a channel from the list, you can still view the channel by using the number buttons to select the channel.

### To add or erase a channel from memory:

- 1 Tune to the channel you want to erase.
- 2 Press the MENU button one or more times to open the CHANNEL menu.
- 3 Press CH + or CH – to select Add/Erase.
- 4 Press the VOL + or VOL – button to select ON.
- 5 To add the channel back to the list, repeat these steps and select OFF.

## Setting up parental controls

Parental controls let you block TV programs and movies based on their ratings. To access the parental controls, you have to enter a password.

### SETTING A PASSWORD

#### To set a password:

- 1 Press MENU one or more times to open the SETUP menu.
- 2 Press CH + or CH – to select Parental Control.
- 3 Press the number buttons to enter the password. The default password is 0000.
- 4 Press the CH + or CH – button to select New Password.
- 5 Press the number buttons to enter a new password.

### SETTING PARENTAL CONTROLS

#### To turn blocking on or off:

- 1 Press MENU one or more times to open the SETUP menu.
- 2 Press the CH + or CH – button to select Parental Control.
- 3 Press the number buttons to enter your password. The default password is 0000.
- 4 Press the CH + or CH – button to select Block.
- 5 Press the VOL + or VOL – button to turn blocking on or off.

#### To block movies

- 1 Press MENU one or more times to open the SETUP menu.
- 2 Press the CH + or CH – button to select Parental Control.
- 3 Press the number buttons to enter your password. The default password is 0000.
- 4 Press the CH + or CH – button to select MPAA Rating.
- 5 Press the VOL + or VOL – button to open the MPAA Rating submenu.
- 6 Press the CH + or CH – button to select the rating you want to block. You can select:
  - Unblocked
  - G—general audiences
  - PG—parental guidance suggested
  - PG-13—ages 13 years and older
  - R—restricted
  - NC-17—ages 17 and above
  - X—adults only
- 7 Press the VOL + or VOL – button to block or view the rating.

**To block U.S. TV ratings:**

- 1 Press MENU one or more times to open the SETUP menu.
- 2 Press the CH + or CH – button to select Parental Control.
- 3 Press the number buttons to enter your password. The default password is 0000.
- 4 Press the CH + or CH – button to select TV Rating.
- 5 Press the VOL + or VOL – button to open the TV Rating submenu.
- 6 Press the CH + or CH – button to select the rating you want to block. You can select:
  - Y—for all children
  - Y7—children 7 years of age and older
  - G—general audience
  - PG—parental guidance
  - 14—parental caution
  - MA—mature audience
  - F—fantasy violence
  - V—violence
  - S—sexual situations
  - L—adult language
  - D—sexually suggestive dialogue
- 7 Press the VOL + or VOL – button to block or view the rating.

**To block Canadian English ratings:**

- 1 Press MENU one or more times to open the SETUP menu.
- 2 Press the CH + or CH – button to select Parental Control.
- 3 Press the number buttons to enter your password. The default password is 0000.
- 4 Press the CH + or CH – button to select Canadian English.
- 5 Press the VOL + or VOL – button to open the Canadian English submenu.
- 6 Press the CH + or CH – button to select the rating you want to block. You can select:
  - E—exempt from ratings
  - C—children
  - C8+—children 8 years of age and older
  - G—general audience
  - PG—parental guidance
  - 14+—children 14 years of age and older
  - 18+—adults only
- 7 Press the VOL + or VOL – button to block or view the rating.

**To block Canadian French ratings:**

- 1 Press MENU one or more times to open the SETUP menu.

- 2 Press the CH + or CH – button to select Parental Control.
- 3 Press the number buttons to enter your password. The default password is 0000.
- 4 Press the CH + or CH – button to select Canadian French.
- 5 Press the VOL + or VOL – button to open the Canadian French submenu.
- 6 Press the CH + or CH – button to select the rating you want to block. You can select:
  - E—exempt from ratings
  - G—children
  - 8 ans+—children 8 years of age and older
  - 13 ans+—children 13 years of age and older
  - 16 ans+—children 16 years of age and older
  - 18 ans+—adults only
- 7 Press the VOL + or VOL – button to block or view the rating.

## Specifications

Note: Design and specifications are subject to change without notice.

Power supply	AC 120 V, 60 Hz
Power consumption	220 W
Dimensions	30.8 (W) × 19.6 (D) × 23.6 (H) inches 78.2 (W) × 49.8(D) × 59.9 (H) cm
Weight	103.4 lbs 46.9 kg
CRT	27-inch flat screen
Audio output	6 W × 2
Receiving channel	VHF: 2-13 UHF: 14-69 Cable: 2-69, (A-6)-(A-1), A-W, (W+1)-(W+28) Total: 181 channels
TV system	NTSC-M
Antenna impedance	VHF/UHF 75-ohm
Accessories	Remote control User guide

## Troubleshooting

Use the following information to troubleshoot common problems.

### TV channel reception

Symptom	Possible cause	Possible solution
Poor or no picture.	TV station experiencing problems.	Try another channel.
	Picture control is not adjusted.	Check picture control adjustments.
	Possible local interference.	Check for source of reception disturbance.
	Antenna/Cable connector is not connected.	Check Cable connection or VHF/UHF antenna,
	Picture has snow and sound is not clear.	Make sure that the outside antenna is connected correctly. Reposition the outside antenna.
	Picture shows a double or triple image, but the sound is clear.	The multiple image is called "ghosting." Connect your HD-Ready TV to an outside antenna. Make sure that you use good quality cables and terminations. Reposition the outside antenna.
	Picture has lines (waves) and the sound is distorted.	Electrical interference can be caused by cars and motorcycles. Electrical interference can also be caused by fluorescent lamps and other appliances. Try plugging your HD-Ready TV into a different electrical outlet, preferably an outlet on a different circuit.

Symptom	Possible cause	Possible solution
Picture wobbles or drifts.	TV station experiencing problems.	Try another channel.
	Cable TV channel is scrambled.	A Cable box needs to be used (if desired).
	Possible local interference.	Check for source of reception disturbance.
No Cable reception.	Cable not connected or connected poorly.	Check all Cable connections.
	TV/Cable set to TV.	Set TV/Cable to Cable.
	Cable TV service interrupted.	Contact your Cable TV company.
No reception above CH13.	TV/Cable set to TV.	Set TV/Cable to Cable.
Poor or no sound.	TV station experiencing problems.	Try another channel.
	MUTE button is pressed.	Press MUTE button again.
	Possible local interference.	Check for source of reception disturbance.
	Antenna/Cable connector is not connected.	Check Cable connection or VHF/UHF antenna.
	Volume is set to minimum.	Increase volume.
TV Shuts off.	The Sleep Timer is set.	Set the Sleep Timer to Off.
	The Off Timer is set.	Clear the Off Timer.
Closed Captioning is not working.	TV Signal is weak.	Check Cable or VHF/UHF antenna.
	TV station experiencing problems or program tuned is not closed captioned.	Try another channel.
	Closed Captioning not turned on.	Press the CCD button.



## Power

Symptom	Possible cause	Possible solution
No power.	The AC power cord is not connected.	Connect the AC power cord to an electrical outlet.

## Remote control

Symptom	Possible cause	Possible solution
Remote control does not operate.	The remote control is not aimed at the sensor.	Aim the remote control at the Remote sensor.
	Distance is too far or too much light in the room.	Operate within 23 feet or reduce the light in the room.
	There is an obstacle in the path of the beam.	Clear the path of the beam.
	The batteries are weak.	Replace the batteries.
	The batteries are not inserted correctly.	Insert correctly.

## Parental control

Symptom	Possible cause	Possible solution
Parental Control is not working correctly.	BLOCK is set to "Off."	Set BLOCK to "On."
	News or sports event being broadcast.	Parental Control does not work with news or sporting events.
	Ratings not set.	Set ratings as desired.

## Maintenance

### Warning



To prevent fire or shock hazard, disconnect your HD-Ready TV from the AC power source when you clean your TV.

Use a dust cloth to clean the exterior of your HD-Ready TV. Use caution when cleaning or wiping plastic parts. If necessary, use a cloth lightly dampened with mild soap and water to clean the exterior. Do not use abrasive cleaners because they may damage your HD-Ready TV.

## Legal

### FCC STATEMENT

#### FCC NOTICE

#### CLASS B DIGITAL DEVICE

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.

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Support number: (877) 467-4289

URL: [www.insignia-products.com](http://www.insignia-products.com)



# Warranty

## 1-year limited warranty

Insignia Products ("Insignia") warrants to you, the original purchaser of this new 30" HD-Ready TV ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Insignia brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

### ***How long does the coverage last?***

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

### ***What does this warranty cover?***

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

### ***How to obtain warranty service?***

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

### ***Where is the warranty valid?***

This warranty is valid only to the original purchaser of the product in the United States and Canada.

### ***What does the warranty not cover?***

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna

This warranty also does not cover:

- Damage due to incorrect operation or maintenance

- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

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