

TOSHIBA

REGZA

Owner's Manual

Integrated High Definition LCD Television

COLORSTREAM® HD 

HDMI 
HIGH DEFINITION TELEVISION

32RV530U

37RV530U

42RV530U

46RV530U

52RV530U

For an overview of steps for setting up your new TV, see page 9.

Note: To display a High Definition picture, the TV must be receiving a High Definition signal (such as an over-the-air High Definition TV broadcast, a High Definition digital cable program, or a High Definition digital satellite program). For details, please contact your TV antenna installer, cable provider, or satellite provider.

Owner's Record

The model number and serial number are on the back of your TV. Record these numbers in the spaces below. Refer to these numbers whenever you communicate with your Toshiba dealer about this TV.

Model number:

Serial number:

Dear Customer,

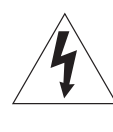
Thank you for purchasing this Toshiba LCD TV. This manual will help you use the many exciting features of your new LCD TV. **Before operating your LCD TV, please read this manual completely**, and keep it nearby for future reference.


Safety Precautions

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

 The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

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

WARNING

To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions. See item 20 on page 3 and instructions on page 5.

WARNING: If you decide to wall mount this television, always use a UL Listed wall bracket appropriate for the size and weight of this television. The use of any wall bracket other than a UL Listed wall bracket appropriate for the size and weight of this television for wall mounting this television could result in serious bodily injury and/or property damage. See "Removing the Pedestal Stand" (page 5).

NOTE TO CATV INSTALLERS

This is a reminder to call the CATV system installer's attention to Article 820-40 of the U.S. NEC, which provides guidelines for proper 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. For additional antenna grounding information, see items 27 and 28 on page 4.

CHILD SAFETY:

It Makes A Difference How and Where You Use Your Flat Panel Display

Congratulations on your purchase! As you enjoy your new product, please keep these safety tips in mind:

The Issue

- The home theater entertainment experience is a growing trend and larger flat panel displays are popular purchases. However, flat panel displays are not always supported on the proper stands or installed according to the manufacturer's recommendations.



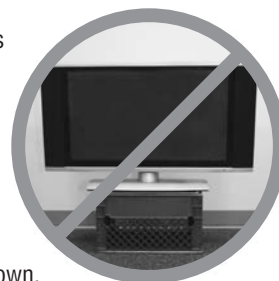
- Flat panel displays that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests or carts may fall over and cause injury.

TOSHIBA Cares!

- The consumer electronics industry is committed to making home entertainment enjoyable and safe.

Tune Into Safety

- One size does NOT fit all. Follow the manufacturer's recommendations for the safe installation and use of your flat panel display.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't allow children to climb on or play with furniture and television sets.
- Don't place flat panel displays on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger than life" flat panel display. Care should be taken to place or install the display where it cannot be pushed, pulled over, or knocked down.
- Care should be taken to route all cords and cables connected to the flat panel display so that they cannot be pulled or grabbed by curious children.



Wall Mounting: If you decide to wall mount your flat panel display, always:

- Use a mount that has been recommended by the display manufacturer and/or listed by an independent laboratory (such as UL, CSA, ETL).
- Follow all instructions supplied by the display and wall mount manufacturers.
- If you have any doubts about your ability to safely install your flat panel display, contact your retailer about professional installation.
- Make sure that the wall where you are mounting the display is appropriate. Some wall mounts are not designed to be mounted to walls with steel studs or old cinder block construction. If you are unsure, contact a professional installer.
- A minimum of two people are required for installation. Flat panel displays can be heavy.



www.CE.org/safety

Important Safety Instructions

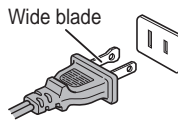
- 1) **Read these instructions.**
- 2) **Keep these instructions.**
- 3) **Heed all warnings.**
- 4) **Follow all instructions.**



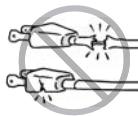
- 5) **Do not use this apparatus near water.**
- 6) **Clean only with dry cloth.**
- 7) **Do not block any ventilation openings.** Install in accordance with the manufacturer's instructions.
- 8) **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- 9) **Do not defeat the safety purpose of the polarized or grounding type plug.** A polarized plug has two blades with one wider than the other.

A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



- 10) **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.



- 11) **Only use attachments/accessories specified by the manufacturer.**

- 12) **Use only with 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.

Additional Safety Precautions

- 14a) **CAUTION:** If the TV is dropped and the cabinet or enclosure surface has been damaged or the TV does not operate normally, take the following precautions:
 - ALWAYS turn off the TV and unplug the power cord to avoid possible electric shock or fire.
 - NEVER allow your body to come in contact with any broken glass or liquid from the damaged television. The LCD panel inside the TV contains glass and a toxic liquid. If the liquid comes in contact with your mouth or eyes, or your skin is cut by broken glass, rinse the affected area thoroughly with water and consult your doctor.
 - ALWAYS contact a service technician to inspect the TV any time it has been damaged or dropped.

- 15) **CAUTION:**

- To reduce the risk of electric shock, do not use the polarized plug with an extension cord, receptacle, or other outlet unless the blades can be inserted completely to prevent blade exposure.
- To prevent electric shock, match wide blade of plug to wide slot; fully insert.

- 16) **WARNING:**

To prevent the spread of fire, keep candles or other open flames away from this product at all times.

Installation, Care, and Service

Installation

Follow these recommendations and precautions and heed all warnings when installing your TV:

- 17) Never modify this equipment. Changes or modifications may void: a) the warranty, and b) the user's authority to operate this equipment under the rules of the Federal Communications Commission.

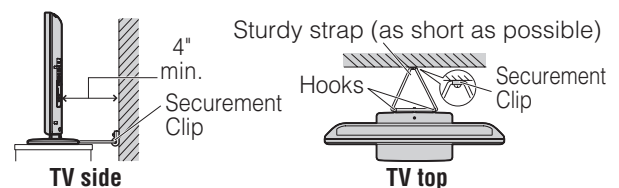
- 18) **DANGER: RISK OF SERIOUS PERSONAL INJURY, DEATH, OR EQUIPMENT DAMAGE!**

Never place the TV on an unstable cart, stand, or table. The TV may fall, causing serious personal injury, death, or serious damage to the TV.



- 19) To avoid damage to this product, never place or store the TV in direct sunlight; hot, humid areas; or areas subject to excessive dust or vibration.

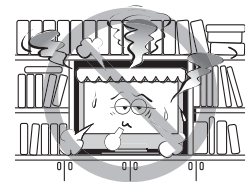
- 20) Always place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit. To secure the TV, use a sturdy strap from the hooks on the rear of the TV pedestal to a wall stud, pillar, or other immovable structure. Make sure the strap is tight, secure, and parallel to the floor.



- 21) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

- 22) Never block or cover the slots or openings in the TV cabinet back, bottom, and sides. Never place the TV:

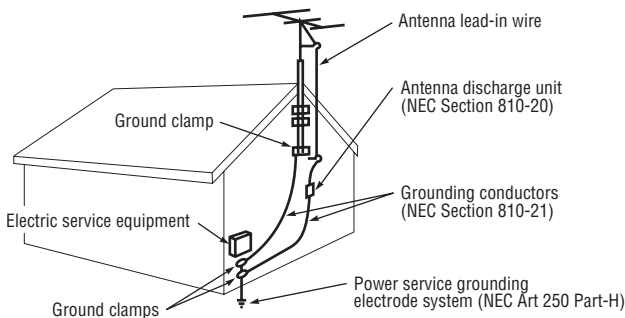
- on a bed, sofa, rug, or similar surface;
- too close to drapes, curtains, or walls; or
- in a confined space such as a bookcase, built-in cabinet, or any other place with poor ventilation.




The slots and openings are provided to protect the TV from overheating and to help maintain reliable operation of the TV. Leave a space of at least 4 (four) inches around the TV.

(continued)

- 23) Always place the back of the television at least four (4) inches away from any vertical surface (such as a wall) to allow proper ventilation.
- 24) Never allow anything to rest on or roll over the power cord, and never place the TV where the power cord is subject to wear or abuse.
- 25) Never overload wall outlets and extension cords.
- 26) Always operate this equipment from a 120 VAC, 60 Hz power source only.
- 27) Always make sure the antenna system is properly grounded to provide adequate protection against voltage surges and built-up static charges (see Section 810 of the National Electric Code).



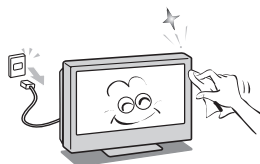
28)  **DANGER: RISK OF SERIOUS PERSONAL INJURY OR DEATH!**



- Use extreme care to make sure you are never in a position where your body (or any item you are in contact with, such as a ladder or screwdriver) can accidentally touch overhead power lines. Never locate the antenna near overhead power lines or other electrical circuits.
- Never attempt to install any of the following during lightning activity: a) an antenna system; or b) cables, wires, or any home theater component connected to an antenna or phone system.

Care


For better performance and safer operation of your TOSHIBA TV, follow these recommendations and precautions:

- 29) If you use the TV in a room whose temperature is 32 °F (0 °C) or below, the picture brightness may vary until the LCD warms up. This is not a sign of malfunction.
- 30) Always unplug the TV before cleaning. Gently wipe the display panel surface (the TV screen) using a dry, soft cloth only (cotton, flannel, etc.). A hard cloth may damage the surface of the panel. Avoid contact with alcohol, thinner, benzene, acidic or alkaline solvent cleaners, abrasive cleaners, or chemical cloths, which may damage the surface. Never spray volatile compounds such as insecticide on the cabinet. Such products may damage or discolor the cabinet.



- 31)  **WARNING: RISK OF ELECTRIC SHOCK!** 
Never spill liquids or push objects of any kind into the TV cabinet slots.



- 32) While it is thundering, do not touch the connecting cables or apparatus.
- 33) For added protection of your TV from lightning and power surges, always unplug the power cord and disconnect the antenna from the TV if you leave the TV unattended or unused for long periods of time.
- 34) During normal use, the TV may make occasional snapping or popping sounds. This is normal, especially when the unit is being turned on or off. If these sounds become frequent or continuous, unplug the power cord and contact a Toshiba Authorized Service Center.

- 35)  **WARNING: RISK OF SERIOUS PERSONAL INJURY OR EQUIPMENT DAMAGE!**
Never strike the screen with a sharp or heavy object.




- 36) • The LCD screen of this product can be damaged by ultraviolet radiation from the sun. When selecting a location for the television, avoid locations where the screen may be exposed to direct sunlight, such as in front of a window.
- Never touch, press, or place anything on the LCD screen. These actions will damage the LCD screen. If you need to clean the LCD screen, follow the instructions in item 30 on this page.

Service

- 37)  **WARNING: RISK OF ELECTRIC SHOCK!** 
Never attempt to service the TV yourself. Opening and removing the covers may expose you to dangerous voltage or other hazards. Failure to follow this WARNING may result in death or serious injury. Refer all servicing not specified in this manual to a Toshiba Authorized Service Center.

- 38) If you have the TV serviced:
- Ask the service technician to use only replacement parts specified by the manufacturer.
 - Upon completion of service, ask the service technician to perform routine safety checks to determine that the TV is in safe operating condition.

- 39) The cold cathode fluorescent lamp in the LCD panel contains a small amount of mercury. When the TV reaches the end of its useful life, dispose of the used TV by the approved method for your area, or ask a qualified service technician to properly dispose of the TV.

 **Note:** The lamp(s) inside this product contain mercury. Disposal may be regulated due to environmental considerations. For disposal or recycling information, contact your local authorities or the Electronics Industries Alliance (www.eiae.org).

Choosing a location for your LCD TV

To Display your LCD TV on the included Pedestal Stand:

Observe the following safety precautions:

- 1) Read and Follow the pedestal assembly instructions included with the pedestal.

CAUTION: Before beginning pedestal assembly, carefully lay the front of the LCD Panel face down on a flat, cushioned surface such as a quilt or blanket. Leave the bottom of the unit protruding over the edge of the surface and assemble the pedestal as indicated below.

Note: Extreme care should always be used when attaching the pedestal stand to avoid damage to the LCD panel.

- 2) Place the TV on a sturdy, level surface that can support the weight of the TV.
- 3) Be sure to secure the TV to a wall stud, pillar, surface, or other immovable structure. To secure the TV in this manner: (1) attach the provided securement clip to an immovable structure, then (2) pass a sturdy strap through the securement clip and attach each end to the hooks located on the back of the TV. Be sure to leave at least 4 inches between the TV and the wall or similar structure for ventilation. See item 20, page 3 for additional details.

To Display your LCD TV using a Wall Bracket:

If you decide to wall mount your LCD TV, always use a UL-listed wall bracket appropriate for the size and weight of the LCD TV (see page 2) :

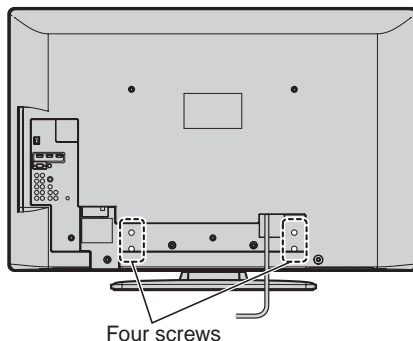
- 1) **CAUTION:** Two people are required for installation.
- 2) Unplug and remove any cables and/or other component connectors from the rear of the TV.
- 3) Follow the instructions provided with your wall bracket. Before proceeding, make sure the appropriate bracket(s) are attached to the wall and the back of the TV as described in the instructions provided with the wall bracket.
- 4) After attaching the appropriate bracket(s) to the wall and the back of the TV, remove the pedestal stand from the TV as described below.

Removing the Pedestal Stand

- 1) Carefully lay the front of the unit face down on a flat, cushioned surface such as a quilt or blanket. Leave the stand protruding over the edge of the surface.

Note: Extreme care should always be used when removing the pedestal stand to avoid damage to the LCD panel.

- 2) Remove the jack pack cover on the back of the TV to expose the pedestal stand screws. The jack pack cover can be removed without tools.
- 3) Remove the four screws shown in the diagram below. This will allow removal of the pedestal stand.
- 4) Once you have removed all four screws holding the pedestal stand in place, remove the pedestal stand from the TV by sliding the pedestal stand away from the TV.



FCC Declaration of Conformity Compliance Statement (Part 15):

The **Toshiba 32RV530U, 37RV530U, 42RV530U, 46RV530U, and 52RV530U Televisions** comply with Part 15 of the FCC rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The party responsible for compliance to these rules is:

Toshiba America Consumer Products, L.L.C.

82 Totowa Rd. Wayne, NJ 07470.

Ph: 1-800-631-3811

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: *Changes or modifications to this equipment not expressly approved by Toshiba could void the user's authority to operate this equipment.*

Important notes about your LCD TV

The following symptoms are technical limitations of LCD Display technology and are not an indication of malfunction; therefore, Toshiba is not responsible for perceived issues resulting from these symptoms.

- 1) An afterimage (ghost) may appear on the screen if a fixed, non-moving image is displayed for a long period of time. The afterimage is not permanent and will disappear in a short period of time.
- 2) The LCD panel contained in this TV is manufactured using an extremely high level of precision technology; however, there may be an occasional pixel (dot of light) that does not operate properly (does not light, remains constantly lit, etc.). This is a structural property of LCD technology, is not a sign of malfunction, and is not covered under your warranty. Such pixels are not visible when the picture is viewed from a normal viewing distance.

Note: *Interactive video games that involve shooting a "gun" type of joystick at an on-screen target may not work with this TV.*

Trademark Information

- Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.
- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- Deep Color is trademark of HDMI Licensing LLC. (Only available for 46" and 52" models)

Contents

Important Safety Instructions	3
Installation, Care, and Service	3
Chapter 1: Introduction	9
Features of your new TV	9
Overview of steps for installing, setting up, and using your new TV	9
TV front and side panel controls and connections	10
TV back panel connections	11
Chapter 2: Connecting your TV	12
Overview of cable types	12
About the connection illustrations	12
Connecting a VCR (or a VCR with S-video) and antenna, Cable TV or Camcorder	13
Connecting a DVD player with ColorStream® (component video), a VCR, and a satellite receiver	14
Connecting a device to the IR OUT infrared terminal using the IR blaster cable for IR pass-through device control	15
Connecting an HDMI™ or DVI device to the HDMI input	16
REGZA-LINK connection	17
Connecting a digital audio system	18
Connecting an audio system	18
Connecting a personal computer (PC)	19
Chapter 3: Using the remote control	20
Preparing the remote control for use	20
Installing the remote control batteries	20
Learning about the remote control	21
Using the remote control to control your other devices	22
Remote Control functional key chart	23
Programming the remote control to control your other devices	24
Remote control codes	25
Chapter 4: Menu layout and navigation	27
Main menu layout	27
Setup/Installation menu layout	27
Navigating the menu system	28
Chapter 5: Setting up your TV	29
Selecting the menu language	29
Configuring the antenna input source for the ANT/CABLE terminal	29
Programming channels into the TV's channel memory	30
Programming channels automatically	30
Manually adding and deleting channels in the channel memory	30
Labeling channels	31
Setting the HDMI™ audio mode	32
Viewing the digital signal meter	33
Setting the time zone	33
Viewing the system status	34
Selecting the Power-On Mode	34
Chapter 6: Using the TV's features	35
Selecting the video input source to view	35
Labeling the video input sources	35
Tuning channels	36
Tuning channels using the Channel Browser™	36
Setting the Channel Tuning Mode	38
Tuning to the next programmed channel	38
Tuning to a specific channel (programmed or unprogrammed)	38
Switching between two channels using Channel Return	39
Switching between two channels using SurfLock™	39
Selecting the picture size	39
Scrolling the TheaterWide® picture (TheaterWide 2 and 3 only)	41
Using the auto aspect ratio feature	41
Selecting the cinema mode (480i and 1080i signals)	42
Using the FREEZE feature	42
Adjusting the picture	42
Selecting the picture mode	42
Adjusting the picture quality	42
Using the TheaterLock™ feature	43
Using the closed caption mode	43
Base closed captions	43
Digital CC Settings	43
CC Selector	44
Adjusting the audio	44
Muting the sound	44
Using the digital audio selector	44
Selecting stereo/SAP broadcasts	45
Adjusting the audio quality	45
Using the StableSound® feature	45
Selecting the optical audio output format	46
Using the Dolby® Digital Dynamic Range Control feature	46
Using the Locks menu	46
Entering the PIN code	46
If you cannot remember your PIN code	46
Changing your PIN code	47
Blocking TV programs and movies by rating (V-Chip)	47
Downloading an additional rating system for blocking TV programs and movies	47
Blocking channels	48
Unlocking programs temporarily	48
Using the input lock feature	49
Using the GameTimer®	49
Using the control panel lock feature	49
Using the PC settings feature	50
Setting the PC Audio	50
Setting the sleep timer	51
Using REGZA-LINK	51
REGZA-LINK playback device (HD DVD player, etc.) control	51
REGZA-LINK input source selection	52
VOLUME and MUTE controls of Audio Receiver	52
Other REGZA-LINK functions	52
Using the HDMI settings feature	53
Displaying TV status information	54
Understanding the auto power off feature	54
Understanding the last mode memory feature	54

(continued)

Chapter 7: Using the TV's advanced features	55
Using the advanced picture settings features	55
Using dynamic contrast	55
Using the static gamma feature	55
Selecting the color temperature	56
Using CableClear® digital noise reduction	56
Using MPEG noise reduction.	56
Using the ColorMaster™ feature	57
Using the Game Mode feature	57
Using the advanced audio settings features	58
Using the surround sound features	58
Chapter 8: Troubleshooting	59
General troubleshooting	59
LED indications	61
Chapter 9: Appendix	62
Specifications	62
Acceptable signal formats	
for PC IN and HDMI terminals	63
Limited United States Warranty	
for LCD Televisions 26" and Larger	64
Limited Canadian Warranty	
for Toshiba Brand Flat Panel Televisions	65
Index	68

Features of your new TV

The following are just a few of the many exciting features of your new Toshiba widescreen, integrated HD, LCD TV:

- **Integrated digital tuning (8VSB ATSC and QAM)** eliminates the need for a separate digital converter set-top box (in most cases).
- **1080p output resolution.**
- **Four HDMI™** digital, high-definition multimedia interfaces with 1080p input support (🔗 page 16).
- **HDMI capabilities**
 - Lip-Sync Latency** feature activates an auto audio/video display timing adjustment function that allows HDMI source devices to accurately perform synchronization automatically.
 - Deep Color** feature allows the HDMI source to increase the available colors bits within the boundaries defined by the RGB or YCbCr color space. (Only supported on 46" and 52" models)
- **REGZA-LINK** allows control of external devices from the TV remote via HDMI connection (🔗 page 51).
- **Two sets of ColorStream® HD** high-resolution component video inputs (🔗 page 14).
- **Digital Audio Out** optical audio connection with Dolby® Digital optical output format (🔗 page 46).
- **CableClear®** digital picture noise reduction (🔗 page 56).
- **PC IN (Analog RGB)** computer terminal (🔗 page 19).
- **Channel Labeling** allows you to put the Call Letters (e.g. ABC, HBO, etc.) on the screen along with the station numbers, so you always know what you're watching (🔗 page 31).
- **IR OUT** infrared terminal using the IR blaster cable for IR pass-through device control (🔗 pages 12 and 15).
- **ColorMaster™** allows you to adjust the TV's standard colors. The menu for this feature has a unique "black" design to enhance contrast while you're adjusting the color (🔗 page 57).

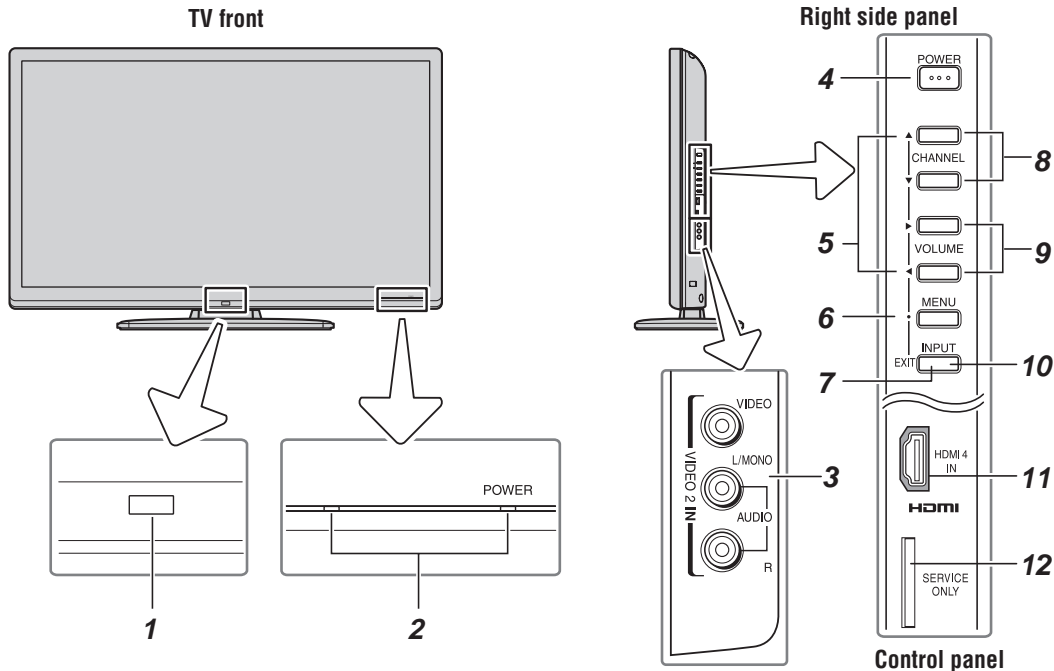
Overview of steps for installing, setting up, and using your new TV

Follow these steps to set up your TV and begin using its many exciting features.

- 1** Observe the following when choosing a location for the TV:
 - Read "Important notes about your LCD TV" (🔗 page 6).
 - Place the TV in a proper location (🔗 pages 2–5)
- 2** Do not plug in any power cords until AFTER you have connected all cables and devices to your TV.
- 3** BEFORE connecting cables or devices to the TV, learn the functions of the TV's connections and controls (🔗 pages 10–11).
- 4** Connect your other electronic device(s) to the TV (🔗 pages 12–19).
- 5** See "Chapter 3: Using the remote control" (🔗 page 20) for an overview of the buttons on the remote control, install the batteries and prepare to operate your other device(s).
- 6** AFTER connecting all cables and devices, plug in the power cords for your TV and other devices.
- 7** See "Menu layout and navigation" for a quick overview of navigating the TV's menu system (🔗 page 27).
- 8** Program channels into the TV's channel memory (🔗 page 30).
- 9** For details on using the TV's features, see Chapters 6 and 7.
- 10** For help, refer to the Troubleshooting Guide, see Chapter 8.
- 11** For technical specifications and warranty information, see Chapter 9.

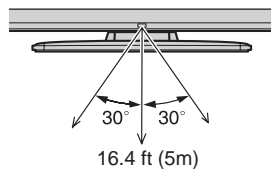
TV front and side panel controls and connections

Model 42RV530U is used in this manual for illustration purposes.



- 1 Remote sensor** — Point the remote control toward this remote sensor.

Effective range:



- 2 Green and Yellow LEDs**

Green = Power indicator

Yellow = Power-On Mode indicator (see “Selecting the Power-On Mode” on page 34)

See “LED indications” on page 61 for additional information.

- 3 VIDEO 2 IN** — The side panel A/V connections are referred to as “VIDEO 2” and include standard A/V connections.

- 4 POWER** — Press to turn the TV on and off.

If the TV stops responding to the controls on the remote control or TV control panel and you cannot turn off the TV, press and hold the **POWER** button on the TV control panel for 5 or more seconds to reset the TV.

- 5 ARROWS ▲▼◀▶** — When a menu is on-screen, these buttons function as up/down/left/right menu navigation buttons.

- 6 MENU (ENTER)** — Press to access the menu system (see page 27). When a menu is on-screen, the **MENU** button on the TV’s control panel functions as the **ENTER** button.

- 7 EXIT** — Press to instantly close an on-screen menu.

- 8 CHANNEL ▲▼** — When no menu is on-screen, these buttons change the channel (programmed channels only; see page 30).

- 9 VOLUME ◀▶** — These buttons adjust the volume level.

- 10 INPUT** — Repeatedly press to change the source you are viewing (**ANT/CABLE, VIDEO 1, VIDEO 2, ColorStream HD1, ColorStream HD2, HDMI 1, HDMI 2, HDMI 3, HDMI 4, PC**).

- 11 HDMI™ IN** — High-Definition Multimedia Interface (HDMI 4) input receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device. HDMI connection is necessary to receive 1080p signals.

- 12 Service port** — For service use only. Used for updating the television’s firmware.