myprojectorlamps.com

**The most trusted, dependable name
in projector lamp sales.**

http://www.myprojectorlamps.com

http://www.myprojectorlamps.ca

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The following projector manual has not been modified or altered in any way.

TOSHIBA

PICTURE BY

DLP™
A TEXAS INSTRUMENTS TECHNOLOGY

ENERGY STAR
PARTNER

OWNER'S MANUAL

DLP™ Projection Television

COLORSTREAM®   SRS(○) WOW   THEATERWIDE HD   HDTV MONITOR

TOSHIBA AMERICA CONSUMER PRODUCTS, L.L.C.
UL® REGISTERED FIRM
ISO 14001   FILE No. A9645

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:

Serial No.:

62HM14

23566611

62HM14(E)01   1   1/24/05, 8:55 PM

(E) 62HM14

Dear Customer,

Thank you for purchasing this Toshiba TV. This manual will help you use the many exciting features of your new TV. **Before operating the 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
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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 symbol in the triangle tells you that the voltage inside this product may be strong enough to cause an electric shock. DO NOT TRY TO SERVICE THIS PRODUCT YOURSELF.

The exclamation mark in the triangle tells you that important operating and maintenance instructions follow this symbol.

Lamp Unit Replacement

CAUTION: HOT SURFACE! The temperature of the lamp immediately after use exceeds 392°F (200°C). Touching the lamp before it has cooled will result in severe burns. ALLOW THE LAMP TO COOL FOR AT LEAST ONE (1) HOUR BEFORE REPLACING IT.

CAUTION
HOT

The lamp in this product has a limited service life. The length of service life varies depending on product use and user settings. If you use the lamp beyond its service life:

• you may notice a reduction in the colors and/or brightness of the picture, at which time you should replace the lamp unit; and

• the strength of the quartz glass in the lamp will be reduced and the lamp may rupture. If the lamp ruptures, the TV will not operate until the lamp unit is replaced.

> *Note: The lamp unit is designed so broken lamp glass remains securely inside the lamp unit.*

See "Appendix" on pages 56–59.

• Dispose of the used lamp unit by the approved method for your area.

Note: The lamp unit contains mercury. Disposal of mercury may be regulated due to environmental considerations. For disposal or recycling information, contact your local authorities or the Electronics Industries Alliance (www.eiae.org).

ENERGY STAR® qualified TV. Products that earn the ENERGY STAR prevent green house gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy. ENERGY STAR and the ENERGY STAR mark are registered U.S. marks.

NOTE: NEVER CONNECT THIS TV TO A PERSONAL COMPUTER (PC).
THIS TV IS NOT INTENDED FOR USE WITH A PC.

2

(E) 62HM14

NOTICE OF POSSIBLE TV STAND INSTABILITY

CAUTION: This television is for use only with the Toshiba stand listed below. Use with other carts or stands is capable of resulting in instability and causing possible injury.

Television	Stand Model
62HM14	ST6214, ST6284, or ST6294

NOTE TO CATV INSTALLERS IN THE U.S.A.

This is a reminder to call the CATV system installer's attention to Article 820-40 of the 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 Where Your TV Stands

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

The Issue

❑ If you are like most consumers, you have a TV in your home. Many homes, in fact, have more than one TV.

❑ The home theater entertainment experience is a growing trend, and larger TVs are popular purchases; however, they are not always supported on the proper TV stands.

❑ Sometimes TVs are improperly secured or inappropriately situated on dressers, bookcases, shelves, desks, audio speakers, chests, or carts. As a result, TVs may fall over, causing unnecessary injury.

We Care!

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

❑ The Consumer Electronics Association formed the Home Entertainment Support Safety Committee, comprised of TV and consumer electronics furniture manufacturers, to advocate children's safety and educate consumers and their families about television safety.

Tune Into Safety

❑ One size does NOT fit all! Use appropriate furniture large enough to support the weight of your TV (and other electronic components).

❑ Use appropriate angle braces, straps, and anchors to secure your furniture to the wall (but never screw anything directly into the TV).

❑ Carefully read and understand the other enclosed instructions for proper use of this product.

❑ Do not allow children to climb on or play with furniture and TVs.

❑ Avoid placing any item on top of your TV (such as a VCR, remote control, or toy) that a curious child may reach for.

❑ Remember that children can become excited while watching a program and can potentially push or pull a TV over.

❑ Share our safety message about this hidden hazard of the home with your family and friends. Thank you!

CEA
Consumer Electronics Association

2500 Wilson Blvd.
Arlington, VA 22201 U.S.A.
Tel. 703-907-7600   Fax 703-907-7690
www.CE.org

CEA is the Sponsor, Producer and Manager of the International CES®

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 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.

Wide plug
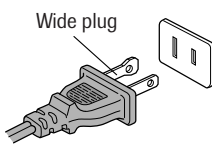
10) **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits the apparatus.
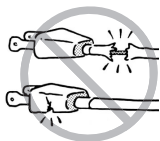
11) **Only use attachments/accessories specified by the manufacturer.**

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 (except as specified on pages 56–60 in this manual) to qualified service personnel.** Servicing is required when the apparatus has been damaged in any way, such as the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, or the apparatus has been exposed to rain or moisture, does not operate normally, or has been 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.

16) **WARNING: This product contains a lamp to project the picture, and requires special safety precautions:**
    - See pages 56–60 for instructions on lamp unit replacement.
    - **DO NOT attempt to service this product except as specified on pages 56–60.** The only user-serviceable item in this product is the lamp unit.

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) Never place or store the TV in direct sunlight; hot, humid areas; areas subject to excessive dust or vibration; or locations with temperatures at or below 41°F (5°C).

20) Always place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit.

21) Never expose the apparatus to dripping or splashing or place items such as vases, aquariums, any other item filled with liquid, or candles on top of the TV.

22) Always place the back of the television at least one (1) inch away from any vertical surface (such as a wall) to allow proper ventilation.

23) 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.

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.
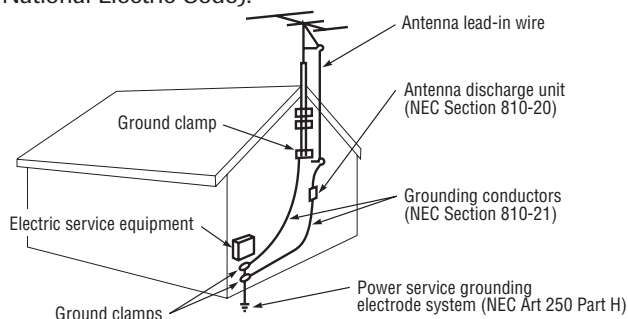
25) Never overload wall outlets and extension cords.

26) Always operate this equipment from a 120 VAC, 60 Hz power source only.

3

Installation *(cont. from previous page)*

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).

Antenna lead-in wire

Antenna discharge unit
(NEC Section 810-20)

Ground clamp

Grounding conductors
(NEC Section 810-21)

Electric service equipment

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

Ground clamps

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) Always sit approximately 10–25 feet away from the TV and as directly in front of it as possible. The picture can appear dull if you sit too far to the left or right of the TV, or if sunlight or room lights reflect on the screen. Turn the TV off to check for reflections on the screen, and then remove the source of reflections while viewing the TV.

30) Always unplug the TV before cleaning. Never use liquid or aerosol cleaners. Clean only with a dry cloth.
Do not spray volatile compounds such as insecticide on the cabinet. This may cause a discoloration or damage of the cabinet.

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

32) If the air temperature rises suddenly (for example, when the TV is first delivered), condensation may form on the lenses. This can make the picture appear distorted or the color appear faded. If this happens, turn off the TV for 6 to 7 hours to allow the condensation to evaporate.

Care *(cont. from previous column)*

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) **Special care for DLP™ (digital light processing) units:**
• **Lamp—**The lamp in this product has a limited service life. The length of service life varies depending on product use or user settings. If you use the lamp beyond its service life:
 - you may notice a reduction in the colors and/or brightness of the picture, at which time you should replace the lamp unit; and
 - the strength of the quartz glass in the lamp will be reduced and the lamp may rupture. If the lamp ruptures, the TV will not operate until the lamp unit is replaced.

See "Appendix" on pages 56–59.

Note:
• *The lamp unit is designed so broken lamp glass remains securely inside the lamp unit.*

• *The lamp unit contains mercury. Disposal of mercury may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance (www.eiae.org).*

• *Dispose of the used lamp unit by the approved method for your area.*

Service

36) **WARNING: RISK OF ELECTRIC SHOCK!**
Never attempt to service the TV yourself, except as specified on pages 56–60.
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.

37) 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.

38) When the TV reaches the end of its useful life, ask a qualified service technician to properly dispose of the TV.

Note: The lamp unit contains mercury. Disposal of mercury may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance (www.eiae.org). Dispose of the used lamp unit by the approved method for your area.

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(E) 62HM14

Important notes about your DLP™ projection TV

1) The light source for this TV is a projection lamp unit with a limited service life. When the lamp wears out, the picture may become dark or black, or the lamp may fail, at which time you must replace the lamp unit. See "Lamp unit replacement" on pages 56-59.

2) Each time you turn on the TV, it may take up to several seconds to go from no picture to full picture brightness.

3) The display on this TV is manufactured using a chip that may contain up to 1.3 million microscopic mirrors. Each of these micromirrors measures less than one-fifth the width of a human hair and represents a single pixel on the television display. These micromirrors are mounted on tiny hinges that enable them to tilt either toward the light source (ON) or away from it (OFF). Occasionally, one of these mirrors may become inoperative, creating a light or dark pixel on the projection surface. This is a structural property of DLP™ projection TV technology, and is not a sign of malfunction. Such pixels are not visible when the picture is viewed from a normal viewing distance (see item 29 on page 4).

4) Depending on the media you are viewing, it is possible, although unlikely, that a limited number of viewers may see a "rainbow effect" on the screen, which can, in rare instances, result in eye fatigue. This is a rare occurrence related to technology of this type, and is not a sign of TV malfunction.

5) Always sit approximately 10–25 feet away from the TV and as directly in front of it as possible. The picture quality may be affected by your viewing position and length of viewing time. If you sit too closely to the TV for too long, you may suffer from eye fatigue. See item 29 on page 4.

6) This TV contains several cooling fans to moderate the internal temperature. You may be able to hear the fans for several minutes after the TV is turned off. This is a function of the Quick Restart standby mode and is not a sign of TV malfunction. You can set the Quick Restart feature to stop the fans as soon as the TV is turned off. See "Selecting the Quick Restart" on page 25.

7) The green and red LED lights on the control touchpad (on the lower right corner of the TV screen) indicate your TV's current status. If either light flashes, see "LED indications" on page 60 for details.

8) Review all safety and operating information in this owner's manual before you use your TV.

The DLP logo and DLP medallion are trademarks of Texas Instruments.

6

Introduction

Connecting
your TV

Using the
Remote Control

Setting up
your TV

Using the TV's
Features

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Introduction

Welcome to Toshiba

Congratulations! You have purchased one of the finest DLP™ projection TVs on the market. The goal of this manual is to guide you through setting up and operating your Toshiba TV as quickly as possible.

This manual applies to model 62HM14. The model and serial numbers are on the back of your TV. Write these numbers in the space provided on the front cover of this manual for your records.

Instructions in this manual are based on using the remote control. You can also use the controls on the TV if they have the same name as those on the remote control.

Please read all the safety and operating instructions carefully, and keep the manual for future reference.

Exploring your new TV

You can operate your TV using the control touchpad on the TV front or the remote control. The back panel and side panel (behind the door) provide terminals for connecting other equipment to your TV. See "Connecting your TV" on page 8.
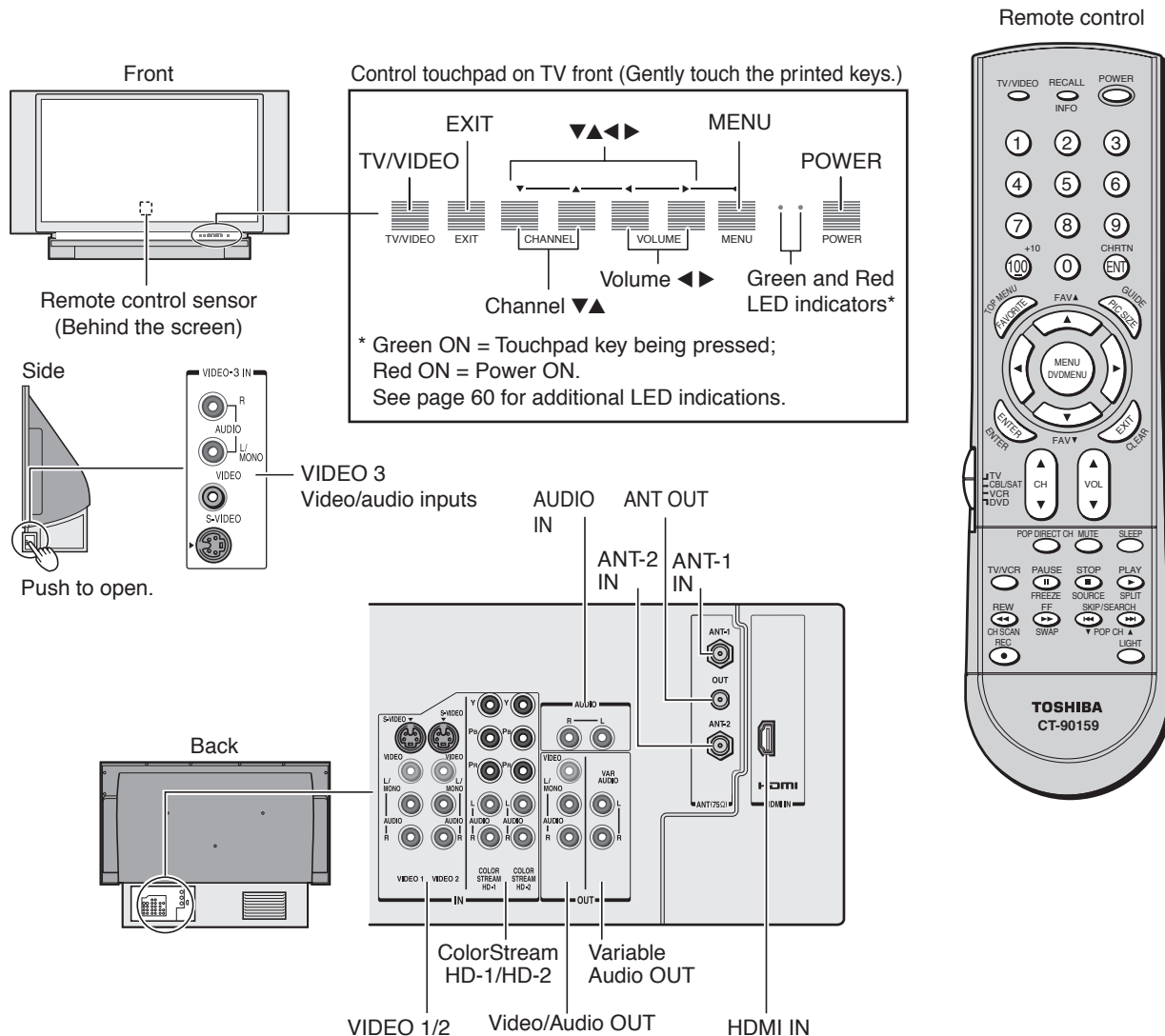
Remote control

Front

Control touchpad on TV front (Gently touch the printed keys.)

EXIT ▼▲◀▶ MENU

TV/VIDEO POWER

TV/VIDEO EXIT CHANNEL VOLUME MENU POWER

Remote control sensor
(Behind the screen)

Volume ◀▶

Channel ▼▲

Green and Red
LED indicators*

* Green ON = Touchpad key being pressed;
Red ON = Power ON.
See page 60 for additional LED indications.

Side

VIDEO•3 IN
R
AUDIO
L/MONO
VIDEO
S-VIDEO

VIDEO 3
Video/audio inputs

Push to open.

AUDIO IN   ANT OUT

ANT-2 IN   ANT-1 IN

Back

ColorStream
HD-1/HD-2

Variable
Audio OUT

VIDEO 1/2   Video/Audio OUT   HDMI IN

TOSHIBA
CT-90159

Connecting your TV

Note: *Cables are not supplied with your TV.*

- **Coaxial cable** is the cable that comes in from your antenna, cable TV service, or cable converter box. Coaxial cable uses "F" connectors.
- **Standard A/V (audio/video) cables** usually come in sets of three, and are typically color-coded according to use: yellow for video, red for stereo right audio, and white for stereo left (or mono) audio.
  On your TV's back panel, the standard A/V inputs are color-coded in the same manner as the cables.
- **S-Video cable** is for use with video equipment that has S-Video output.
- **Component video cables** come in sets of three, and are for use with video equipment that has component video output. (ColorStream® is Toshiba's brand of component video.)
- **HDMI** is for use with video equipment that has HDMI output (type A connector) (see page 15).

Connecting an antenna or cable TV

This connection allows you to watch TV programs or basic cable channels.

From Antenna or Cable

TV

Coaxial (antenna) cable

Standard A/V cables (red/white/yellow)

S-video cable

Component video cables

HDMI cable

CAUTION: RISK OF EQUIPMENT DAMAGE !
Never plug in any power cords until you have finished connecting all equipment.

8

Connecting a VCR

This connection allows you to watch local channels and video programs, play or record on the VCR while watching TV, and record from one channel while watching another channel.

You will need:

- two coaxial cables
- one set of standard A/V cables

From Cable Box or Antenna

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

Connecting a cable converter box

This connection allows you to watch basic and premium cable channels.

To watch basic cable and use the TV's features, select ANT-1. To view premium channels, select ANT-2, tune the TV to channel 3 or 4 (whichever channel is vacant in your area), and use the converter box to change channels.

You will need:

- three coaxial cables
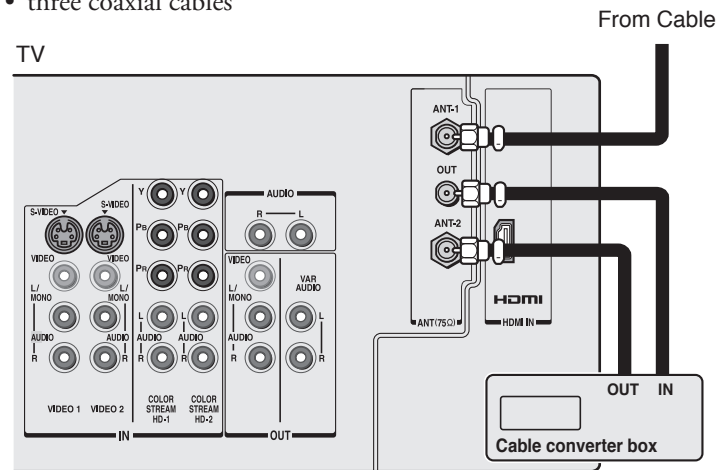
Note:

When you use a converter box with your TV, the remote control will not operate some features, such as programming your favorite channels, labeling channels, and locking channels.

From Cable

Introduction

Connecting your TV

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Connecting a cable converter box and VCR

This connection allows you to watch and record basic and premium cable channels, watch videotapes, and record one channel while watching another channel. To watch basic cable and use the TV's features, select ANT-1.

To view premium channels or record with the VCR, select ANT-2, tune the TV and VCR to channel 3 or 4 (whichever channel is vacant in your area), and use the converter box to change channels.

You will need:

- four coaxial cables
- one set of standard A/V cables

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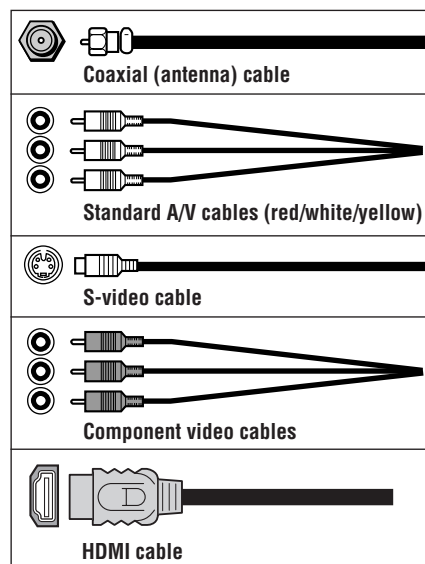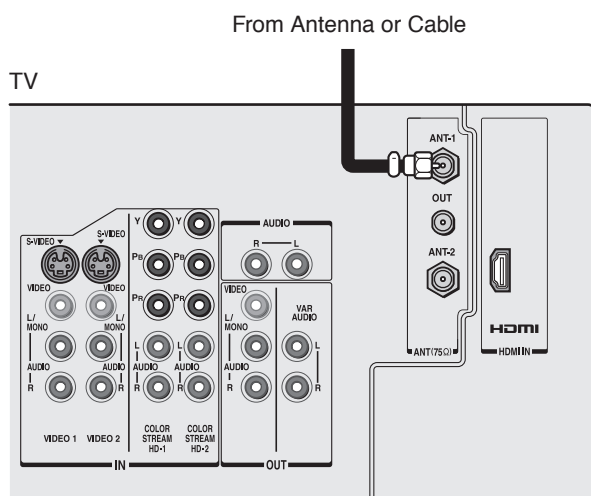## Connecting a DVD player or satellite receiver and a VCR

This connection allows you to watch DVD/satellite, VCR, and TV programs, and record one TV channel while watching another channel.

You will need:

- two (or three, if satellite receiver is used) coaxial cables
- one set of standard A/V cables
- one S-video cable
- one pair of standard audio cables
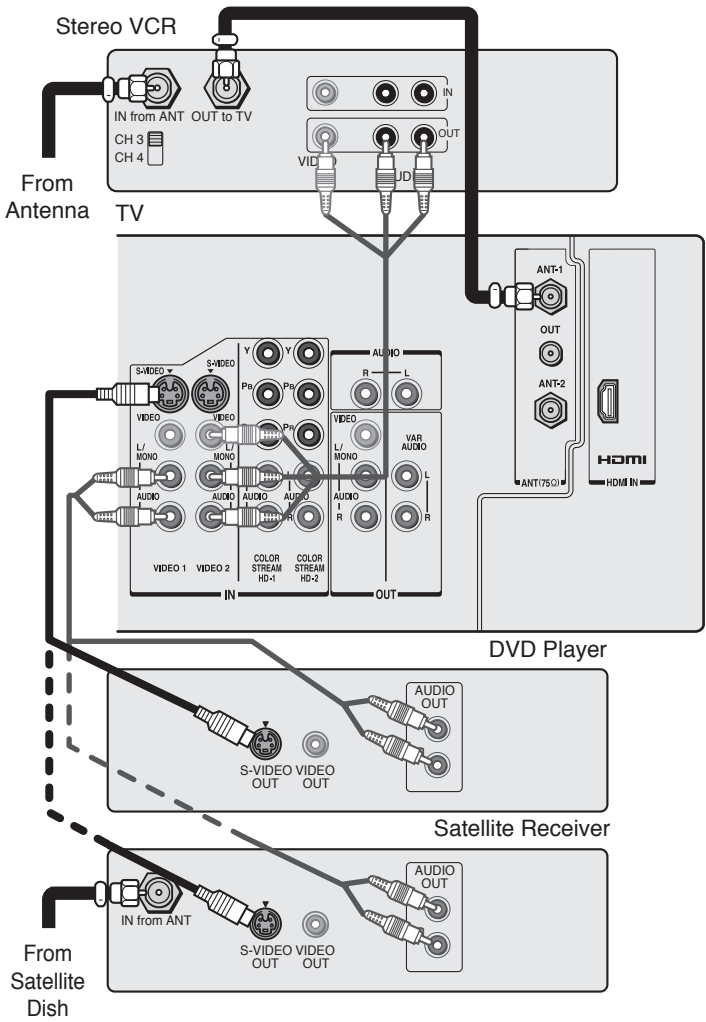
Note:

For the highest possible picture quality from a DVD player or satellite receiver without component video or HDMI, use an S-video cable. (If your DVD player has component video, see page 12. If your DVD player or satellite receiver has HDMI or DVI, see page 15.)

Do not connect both an S-video cable and a standard video cable between the TV and DVD player/satellite receiver at the same time or the picture performance will be unacceptable.

Do not connect the DVD player/satellite receiver and VCR to the same set of Video inputs on the TV. (See the illustration, which shows the DVD player/satellite receiver connected to VIDEO 1 on the TV, and the VCR connected to VIDEO 2 on the TV.)

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

11

Connecting a DVD player with ColorStream® (component video) and a VCR

This connection allows you to watch DVD, VCR, and TV programs, and record TV programs.

Your TV has ColorStream® (component video) inputs. Connecting your TV to a DVD player with component video (such as a Toshiba DVD player with ColorStream®) can greatly enhance picture quality and realism.

– To record one TV program while watching another TV program, tune the VCR to the channel to record, and tune the TV to the channel to watch.

– To record a TV program while watching a DVD, tune the VCR to the channel to record, and select ColorStream HD1 on the TV (see "Selecting the antenna input" on page 23).

You will need:

- two coaxial cables
- one set of standard A/V cables
- one pair of standard audio cables
- one set of component video cables

DVD player with component video

Connecting a DTV receiver/set-top box with ColorStream® (component video) and a VCR

This connection allows you to watch DTV (digital TV), VCR, and TV programs, and record DTV and TV programs.

Your TV has ColorStream (component video) inputs. Connecting your TV to a DTV receiver with component video can greatly enhance picture quality and realism.

– To record and watch a DTV program, select LINE IN on the VCR, and select ColorStream HD2 (or VIDEO 1 for a non-ColorStream connection) on the TV (see "Selecting the antenna input" on page 23).

– To record a TV program while watching a DTV program, tune the VCR to the channel to record, and select ColorStream HD2 on the TV.

– To record and watch the same TV program, tune the VCR to the channel to record, and select VIDEO 1 on the TV.

– To record one TV program while watching another TV program, tune the VCR to the channel to record, and tune the TV to the channel to watch.

You will need:
- three coaxial cables
- two sets of standard A/V cables
- one pair of standard audio cables
- one set of component video cables
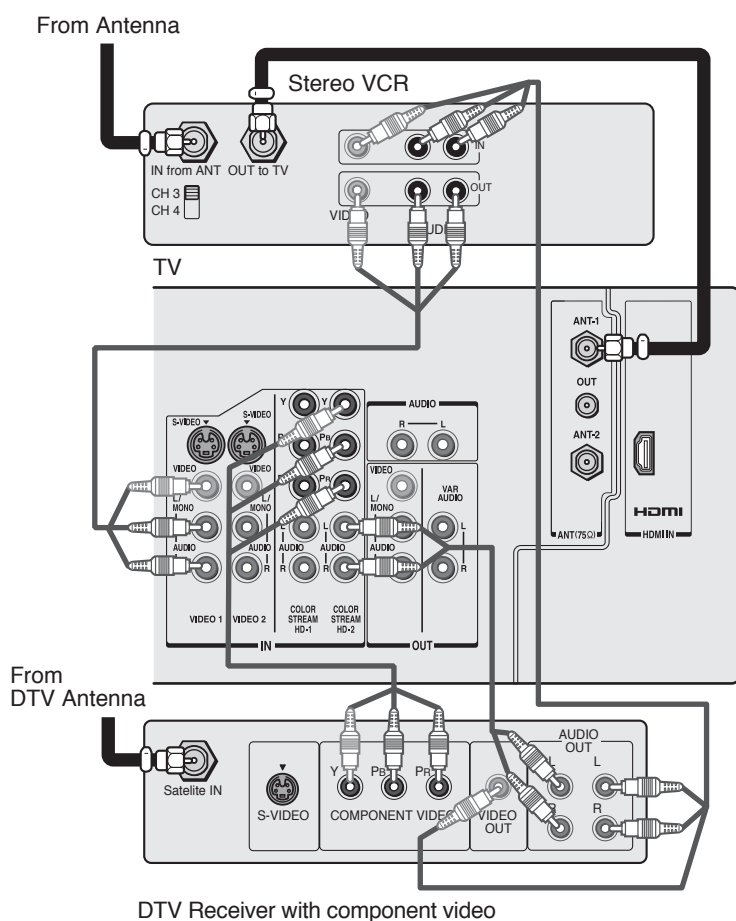
Note:

For the highest possible picture quality, use component video cables (or an HDMI cable) between the TV and DTV receiver/set-top box.

You can connect component video cables to either set of ColorStream inputs on the TV (HD1 or HD2).

For HDMI or DVI connection, see page 15.

The ColorStream HD1/HD2 and HDMI inputs can be used with Progressive (480p, 720p) and Interlaced (480i, 1080i) scan systems; however, a 1080i signal will provide the best picture performance.

If your DTV receiver or set-top box is not compatible with component video or HDMI, use the S-video connections (plus the standard audio connections) instead (see page 11).

From Antenna

Stereo VCR

TV

From DTV Antenna

DTV Receiver with component video

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Connecting two VCRs

This connection allows you to record (dub/edit) from one VCR to another VCR while watching a videotape. You also can record from one TV channel while watching another TV channel.

You will need:

- two coaxial cables
- two sets of standard A/V cables

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.
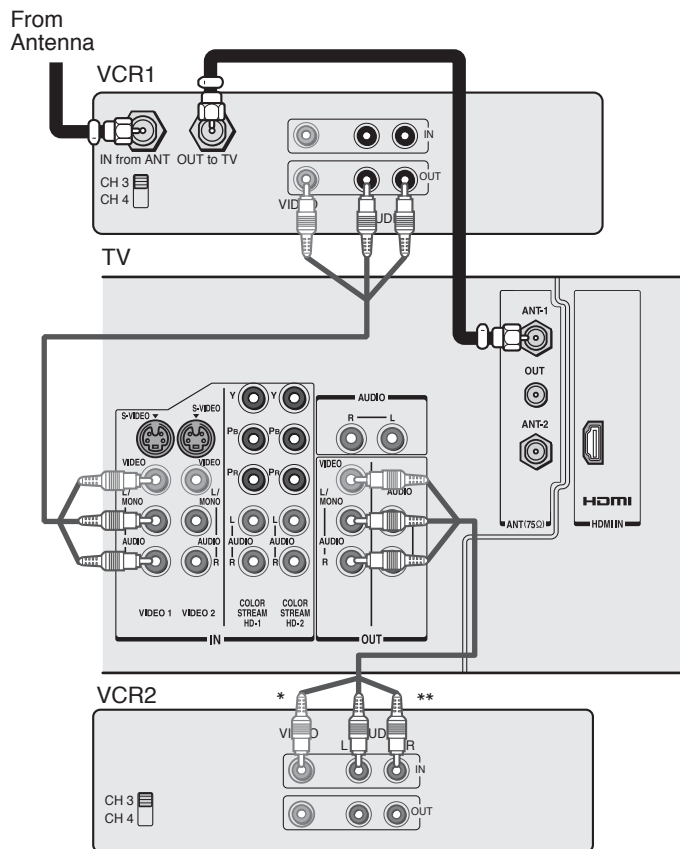
Connecting a camcorder

This connection allows you to watch video materials recorded on a camcorder.

You will need:

- one set of standard A/V cables
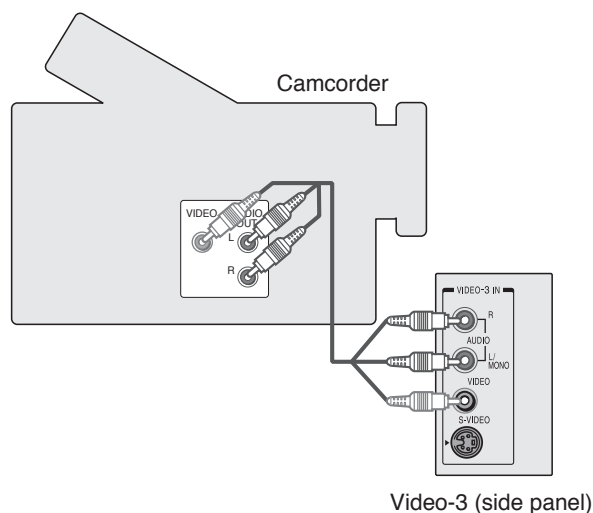
Video-3 (side panel)

Note:

If you have a camcorder with S-video, use an S-video cable instead of a standard video cable for better picture performance. Do not connect both a standard video cable and an S-video cable at the same time, or the picture performance will be unacceptable.

14

Connecting an HDMI™ or a DVI device to the HDMI input

The HDMI[1] input on your TV receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI[2] device.

This input is designed to accept HDCP[3] program material in digital form from EIA/CEA-861/861B–compliant[4] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output).

The HDMI input is designed for best performance with 1080i high-definition video signals, but will also accept and display 480i, 480p, and 720p signals.

> ⚠ **NOTE: NEVER CONNECT THIS TV TO A PERSONAL COMPUTER (PC).** THIS TV IS NOT INTENDED FOR USE WITH A PC.

To connect an HDMI device, you will need:

- one HDMI cable (type A connector)

  For proper operation, it is recommended that you use a short HDMI cable. You should not encounter difficulty if you use an HDMI cable that is shorter than 16.4 ft (5m).

  HDMI cable transfers both video and audio. Separate analog audio cables are not required (see illustration below). Some CDVs (Video CDs) may not output digital audio signals. In that case, you may hear sound by connecting analog audio cables. However, if you connect analog audio cables with this connection, the HDMI terminal on the TV will not receive the HDMI digital audio signal and you will hear analog audio only.

HDMI device

TV
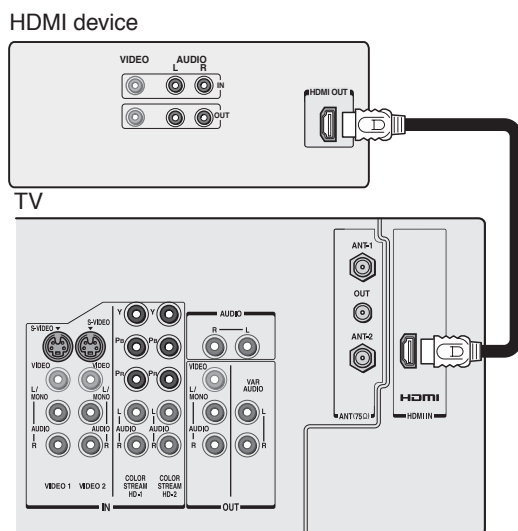
HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.

[1] *HDMI = High-Definition Multimedia Interface.*

[2] *DVI = Digital Video Interface.*

[3] *HDCP = High-bandwidth Digital Content Protection.*

[4] *EIA/CEA-861/861B compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. **Because this is an evolving technology, it is possible that some source devices with HDMI or DVI output may not work with the HDMI input on this TV.***

> *To ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:*
>
> - *When turning on your electronic components, **turn on the TV first**, and then the HDMI or DVI device.*
> - *When turning off your electronic components, **turn off the HDMI or DVI device first**, and then the TV.*

To connect a DVI device, you will need:

- one HDMI-to-DVI adapter cable (HDMI type A connector)

  For proper operation, the length of an HDMI-to-DVI adapter cable should not exceed 9.8 ft (3m). The recommended length is 6.6 ft (2m).

- one pair of standard analog audio cables

  An HDMI-to-DVI adapter cable transfers only video. Separate analog audio cables are required (see illustration below).

DVI device

TV

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15
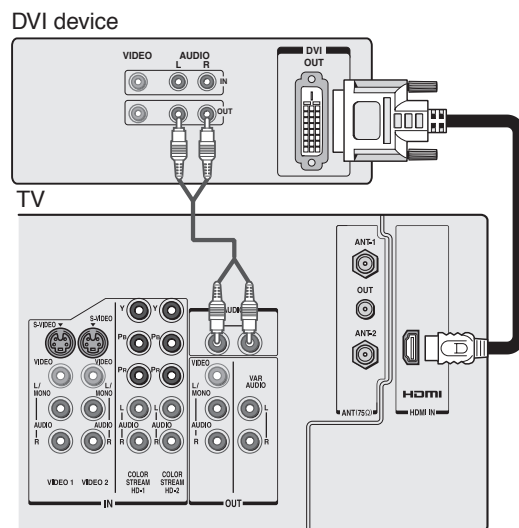
Connecting an audio system

This connection allows you to use an audio amplifier and external speakers, and adjust the audio level by using the TV's remote control.

To control the audio, turn on the TV and the stereo amplifier, and turn off the built-in speakers (see "Turning off the built-in speakers" on page 54).

You will need:

• one pair of standard audio cables

Note:

To hear sound when using an external audio amplifier, the volume of both the TV and the amplifier must be set above 0 (zero).

For example, if the volume of the TV is set to 0, you will not be able to hear any sound, even the volume of the amplifier is at its highest level.
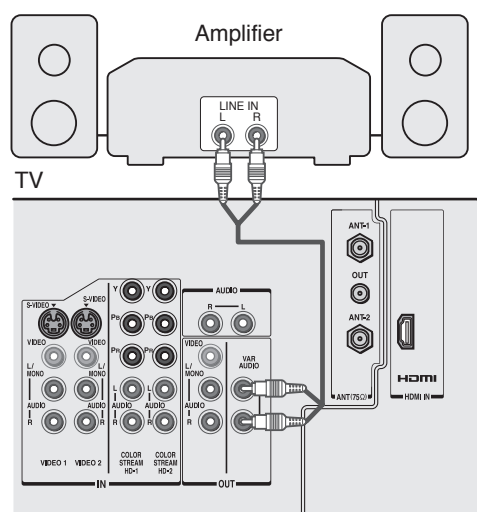
Using the remote control

Preparing the remote control for use

Your TV remote control can operate your TV and many cable converter boxes, satellite receivers, VCRs, DVD players, and HTIBs (home theater in a box), even if they are different brands.

If you have a Toshiba device:

Your TV remote control is preprogrammed to operate most Toshiba devices. See page 20.

If you have a non-Toshiba device or a Toshiba device that the remote control is not preprogrammed to operate:

You can program the TV remote control so it will operate the other device. See pages 18–20.

Installing the remote control batteries

1. Remove the battery cover from the back of the remote control.

Squeeze tab and lift cover.
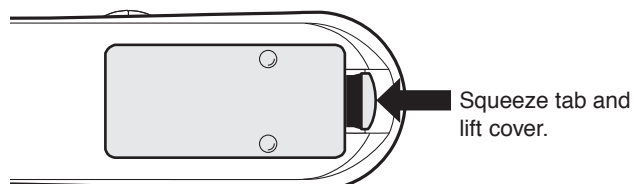
2. Install two "AA" size batteries, making sure to match the + and – signs on the batteries to the signs on the battery compartment.
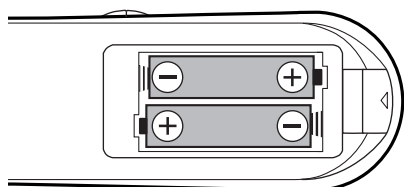
3. Reinsert the battery cover in the remote control until the tab snaps.

Remote control effective range

For optimum performance, aim the remote control directly at the TV and make sure there is no obstruction between the remote control and the TV.

30°
30°
5m
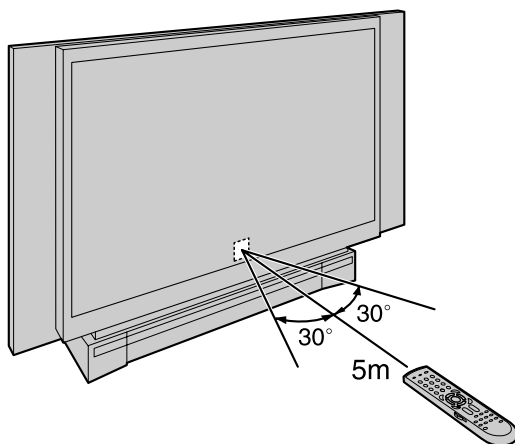
Caution:
- Never throw batteries into a fire.

Note:
- If your Toshiba TV remote control does not operate all the features of your other device, use the original remote control for that device.
- Dispose of batteries in a designated disposal area.
- Attention should be drawn to the environmental aspects of battery disposal.
- Do not mix battery types or combine used batteries with new ones.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace both batteries with new ones.
- If the batteries are dead or if you will not use the remote control for a long time, remove the batteries to prevent battery acid from leaking into the battery compartment.

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Programming the remote control to operate a cable converter box, satellite receiver, VCR, DVD player, or HTIB (home theater in a box)

Your Toshiba TV remote control is preprogrammed to operate most Toshiba devices. To program your TV remote control to operate a non-Toshiba device (or a Toshiba device that it is not preprogrammed to operate), follow the steps below. For details on using the remote control to operate the device, see page 20.

1. In the remote control code table (below and on the next page), find the code for your device. If more than one code is listed, try each one separately until you find one that works.

2. Set the Device Switch to the type of device you are programming the remote control to operate — **CBL/SAT** (for a cable converter box or satellite receiver), **VCR** (for a VCR or TV/VCR combo), or **DVD** (for a DVD player or HTIB [home theater in a box]).

3. While holding down **RECALL**, press the **Channel Number** buttons to enter the 3-digit code for your device.

4. To test the code, turn on the device, point the remote control at it, and press **POWER**. *See note at right.*

    - If the correct code was entered, the device will turn off.
    - If the device does not respond, repeat steps 1–4 using another code.
    - If the device does not respond to another code, you will need to use the remote control that came with the device.

5. Remember to set the **Device Switch** back to **TV** to control the TV.

6. For future reference, write down the code(s) you used:

DEVICE	CODE	DEVICE	CODE

Remote control codes

In some cases you may not be able to operate your device with the TV remote control. Your other device may use a code that is not recognized by the TV remote control. If this happens, use the device's remote control.

Labels: RECALL, POWER, Channel Number, Device Switch

Note:

- In addition to POWER, confirm that all necessary keys on the TV remote control operate your device. If some keys are not operational, repeat the device code setup using another code (if other codes are listed for your device). If, after trying all listed codes, the necessary keys do not operate your device, use the device's original remote control.

- Every time you change the batteries, you will need to reprogram the remote control.

- Some newer VCRs respond to either of two codes. These VCRs have a switch labeled "VCR1/VCR2." If your VCR has this kind of switch and does not respond to the codes for your VCR brand, set the switch to the other position ("VCR1" or "VCR2") and reprogram the remote control.

Cable converter box

ABC: 061, 062, 063, 082, 084, 087, 091, 092, 096, 098
Archer: 065, 092, 097, 099
Cableview: 064, 094
Century: 092
Citizen: 090, 092, 097
Contec: 083, 085, 086, 088, 093, 098
Diamond: 093
Eagle: 091
GE: 061, 062
Gemini: 069, 070, 094
General Instruments: 062, 089, 096

Hamlin: 093
Hitachi: 062, 095, 096
Jasco: 097
Jerrold: 062, 069, 071, 082, 086, 089, 091, 096
Magnavox: 072, 096
Memorex: 091, 092, 104
Multi Canal: 090
Novavision: 101
Panasonic: 081, 083, 085
Philco: 087
Philips: 066, 067, 068, 070, 072, 073, 074, 075, 091, 092
Pioneer: 076, 077
Proscan: 061, 062
Radio Shack: 092, 097, 099

RCA: 064, 081
Realistic: 065
Recoton: 102
Samsung: 077, 090
Scientific Atlanta: 063, 078, 079, 080, 088, 098, 101, 105
Sears: 095
Signature: 062
Signature 2000: 096
Sprucer: 081, 085
Starcom: 069, 082, 087, 096, 103, 104
Stargate: 069, 090
Sylvania: 095, 100
TeleView: 090
Texscan: 100
Tocom: 071, 084, 085

U. S. Electronics: 087, 096, 098
United Cable: 082
Universal: 065, 092, 097, 099, 102, 103
Wards: 096

Satellite receiver

Alphastar: 038, 059
Chaparral: 034
DISH Network: 057
Drake: 020, 040, 044, 046, 050, 053
Echostar: 018, 041, 051
Express Vu: 057
Fujitsu: 027
GE: 008, 009, 013

General Instruments: 010, 011, 012, 022, 023, 031, 049
Hitachi: 033
Hughes: 033
Hughes Network Systems: 019
Intersat: 048
Janeil: 027
JVC: 017, 057
Kenwood: 029
Magnavox: 060
Optimus: 058
Pansat: 036, 052
Primestar: 015, 042
Proscan: 008, 009, 013
Radio Shack: 022, 023, 030

Using the Remote Control

Remote control codes (cont.)

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Satellite receiver (cont.)

RCA: 008, 009, 013, 016
Realistic: 030
Samsung: 059
Sony: 014, 055
Star Choice: 057
Star Trak: 025, 026, 037, 054
STS: 024
Toshiba: 000, 001, 002, 003, 004, 005, 006, 007, 020, 031, 056
Uniden: 021, 028, 030, 032, 035, 039, 043, 045, 047, 058
Zenith: 027

TV/VCR Combo

Action: 078
GE: 059, 062
Goldstar: 065
Panasonic: 065
Precision: 078
Quasar: 065
Realistic: 079
Sony: 074
Toshiba: 057
Zenith: 065

DVD/VCR Combo

Go Video:
    DVD=087, VCR=081
JVC:
    DVD=088, VCR=082
RCA:
    DVD=089, VCR=083
Samsung:
    DVD=090, VCR=084
Sanyo:
    DVD=091, VCR=085
Zenith:
    DVD=092, VCR=086

DVD player

Aiwa: 006, 015
Apex: 016, 017
BOSE: 097
Broksonic: 018
Clarion: 019
Classic: 020
Daewoo: 021
Denon: 022, 023, 024, 025
Emerson: 026, 027
Fisher: 028
Funai: 027
GE: 001, 029, 030
Go Video: 087
GPX: 031

Hitachi: 005, 032, 033, 034, 035
JVC: 003, 007, 036, 042, 088
Kenwood: 037
Konka: 008, 009
Magnavox: 004, 038
Memorex: 039
Mintek: 040
NAD: 026
Nakamichi: 041
Norcent: 043
Onkyo: 044
Oritron: 058
Panasonic: 010, 045, 046, 047, 048, 049, 050
Philips: 004, 051
Pioneer: 052, 053, 054, 055
Proscan: 001, 056
Qwestar: 057, 058
RCA: 001, 002, 059, 089
Sampo: 060
Samsung: 061, 062, 086, 090
Sansui: 073
Sanyo: 063, 091
Sharp: 064, 067
Sherwood: 074
Sony: 011, 012, 065, 066, 068, 069, 070
Sylvania: 027
Teac: 071
Technics: 072
Techwood: 075
Toshiba: 000, 013, 076, 077, 078
Yamaha: 079, 080, 081
Zenith: 014, 082, 092

Portable DVD player

Aiwa: 093
Audiovox: 094, 095
Panasonic: 024, 096, 099
RCA: 098

VCR

Admiral: 049
Aiko: 019
Aiwa: 018
Akai: 003, 004, 037, 038, 039, 058, 069
Audiovox: 010
Bell & Howell: 007, 068
Broksonic: 008, 017
Calix: 010
Carver: 026
CCE: 019
Citizen: 009, 010, 011, 012, 013, 014, 015, 019, 057, 073

Colortyme: 005
Craig: 009, 010, 016, 061, 065, 079
Curtis Mathes: 001, 005, 009, 012, 014, 040, 048, 053, 056, 057
Daewoo: 011, 013, 015, 017, 018, 019, 057, 078
Daytron: 078
Denon: 063
Dimensia: 001, 048
Electrohome: 010, 020, 065
Emerson: 003, 008, 010, 011, 017, 018, 020, 028, 039, 054, 057, 062, 065, 068, 072
Fisher: 007, 016, 021, 022, 023, 057, 064, 068, 070, 071, 079
Fuji: 004, 041
Funai: 018, 073
Garrard: 018
GE: 001, 002, 009, 040, 042, 048, 056
Go Video: 056, 059, 061, 081
Goldstar: 005, 010, 014, 054, 056, 065, 067
Gradiente: 018, 065
Harman Kardon: 005
Hitachi: 024, 025, 035, 037, 042, 063, 070, 080
JBL: 076
JC Penney: 005, 006, 007, 008, 009, 010, 023, 024, 025, 026, 035, 056, 061, 063, 065
Jensen: 024, 025, 037, 050
JVC: 005, 006, 007, 014, 037, 043, 050, 062, 063, 068, 082
Kenwood: 005, 006, 007, 012, 014, 037, 043, 050, 053, 068, 071
Kodak: 010
LG: 010
Lloyds: 053, 073, 079
Logik: 061
LXI: 010
Magnasonic: 061, 065, 078
Magnavox: 026, 027, 034, 044, 057, 061, 072
Marantz: 005, 006, 007, 012, 014, 026, 053, 067

Memorex: 007, 009, 010, 016, 018, 034, 049, 063, 065, 066, 068, 075, 079
MGA: 020, 028, 039
MGN: 056
Minolta: 024, 025, 035, 063
Mitsubishi: 020, 024, 025, 028, 039, 043, 065
Montgomery Ward: 049
Motorola: 049
MTC: 009, 046, 061
Multitech: 009, 012, 018
NEC: 005, 006, 007, 012, 014, 037, 043, 053, 054, 067, 070
Nikko: 010
Noblex: 009
Optimus: 010, 049, 065
Optonica: 031
Orion: 054, 057, 062, 065, 068, 072
Panasonic: 036, 045, 046, 057, 061, 072, 079
Pentax: 012, 024, 025, 035, 042, 053, 063
Pentex Research: 014
Philco: 026, 027, 063
Philips: 026, 031, 044, 057
Pioneer: 006, 024, 043, 055
Portland: 012, 013, 015
Proscan: 001, 002, 048
Proton: 061
Quasar: 045
Radio Shack: 010, 031, 065
Radio Shack/Realistic: 007, 009, 010, 016, 018, 020, 021, 022, 031, 049
Radix: 010
RCA: 001, 002, 003, 009, 024, 025, 029, 035, 040, 042, 045, 048, 055, 056, 063, 071, 083
Realistic: 007, 009, 010, 011, 016, 018, 020, 021, 022, 031, 049, 051, 056, 060, 065, 075, 079
Ricoh: 047
Runco: 034
Samsung: 009, 011, 038, 056, 073, 084
Sansui: 006, 037, 043, 061

Sanyo: 007, 009, 016, 054, 064, 068, 071, 075, 079, 085
Scott: 008, 011, 017, 028, 030, 057, 065, 072
Sears: 007, 010, 016, 021, 022, 023, 024, 025, 035, 053, 057, 063, 064, 065, 068, 071, 075, 079
Sharp: 013, 020, 031, 049, 051, 060, 066
Shintom: 004, 025, 032, 061
Signature: 049
Signature 2000: 075
Singer: 047, 061
Sony: 004, 032, 033, 041, 052, 058, 070, 074, 076, 077, 080
STS: 035
Sylvania: 018, 026, 027, 028, 044, 072
Symphonic: 018, 050, 051, 053, 073, 079
Tandy: 007
Tashiko: 010
Tatung: 037
Teac: 018, 029, 037
Technics: 036
Teknika: 010, 018, 065
Toshiba: 000, 011, 021, 023, 024, 028, 030, 039, 057, 074, 078, 079
Totevision: 009, 010, 065
Unitec: 073
Unitech: 009
Vector Research: 005, 006, 011, 012, 053
Video Concepts: 005, 006, 011, 012, 039, 053
Wards: 009, 010, 011, 016, 018, 020, 024, 025, 031, 035, 049, 051, 056, 057, 060, 065, 066, 079
White Westinghouse: 073
XR-1000: 018
Yamaha: 005, 006, 007, 014, 037, 053
Zenith: 004, 032, 034, 041, 047, 069, 086

HTIB

Lasonic: 083
Panasonic: 084
Venturer: 085

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Using the remote control to operate a cable converter box, satellite receiver, VCR, DVD player, or HTIB (home theater in a box)

If you have a non-Toshiba device or a Toshiba device that the remote control is not preprogrammed to operate, you must first program the remote control to recognize the device (if you have not already done so). See pages 18 and 19.

To use your TV remote control to operate a:

- Cable converter box or satellite receiver, set the **Device Switch** to CBL/SAT.
- VCR, set the **Device Switch** to VCR.
- DVD player or HTIB, set the **Device Switch** to DVD.

Note:

Even after the TV remote control is programmed, it may not operate certain features on your other device. If this happens and you wish to use those features, you will need to use the device's original remote control.

Point the remote control directly at the device.

+10 (DVD only)
Press to directly access DVD chapters higher than 10.

TOP MENU (DVD only)
Accesses a DVD's top menu.

ENTER
Required by some VCRs and cable converter boxes to change the channel.

Device Switch
Set to "TV" to control the TV; "CBL/SAT" to control a cable converter box or satellite receiver; "VCR" to control a VCR; "DVD" to control a DVD player or HTIB.

PAUSE
Press during play or record mode to pause the picture; press again to restart.

TV/VCR (VCR only)
To view one program while recording another, press to select TV mode.

REW
Rewinds the tape or DVD. (Press during play mode to view the picture moving rapidly backward.)

REC (VCR only)
Starts tape recording.

FF
Fast-forwards the tape or DVD. (Press during play mode to view the picture moving rapidly forward.)

POWER
Turns the selected device on and off.

INFO (CBL/SAT only)
Displays on-screen information.

Channel Numbers (0–9)
Press to directly access channels (as opposed to CH ▲ ▼).

GUIDE (CBL/SAT only)
Displays channel guide.

▲ ▼ ◄ ► (DVD only)
Press to navigate DVD menus (may not work on some DVD players).

CLEAR (DVD only)
Press to reset the title and chapter number.

CH ▲ ▼
▲ selects the next higher channel;
▼ selects the next lower channel.

PLAY
Begins playback of a tape or DVD.

STOP
Stops the tape or DVD.

SKIP/SEARCH ▶▶▎ (DVD only)
Skips forward to locate later DVD chapters.

SKIP/SEARCH ▎◀◀ (DVD only)
Skips back to beginning of current DVD chapter or locates previous chapters.

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CT-90159

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Learning about the remote control

The buttons used for operating the TV only are described here.

POWER turns the TV on and off.
Press POWER to turn the TV on. The Red LED indicator will be illuminated. Press POWER again to turn the TV off.

Note:
If the Quick Restart feature is in ON mode, it can take up to several seconds for the picture to appear. See page 25 for details.

RECALL displays screen information (page 55)

SLEEP sets the TV to turn off at a specific time (page 49)

TV/VIDEO selects the video input source (page 47)

MUTE mutes the sound (page 51)

Device Switch switches between TV, CBL/SAT, VCR, and DVD (Pages 18–20) Set to "TV" to control the TV.

CH (channel) ▲ ▼ cycles through programmed channels (page 25)

Channel Numbers (0–9, 100) allow direct access to channels (page 25)

VOL (volume) ▲ ▼ adjusts the volume level

CH RTN returns to the memorized channel (page 26)

MENU allows access to on-screen programming menus (page 22)

ENTER activates the function settings in the menu (page 22)

▲ ▼ ◄ ► select or adjust programming menus (page 22)

POP CH ▲ ▼ selects the POP (picture-out-picture) channel (page 33)

FAV ▲ ▼ cycles through favorite channels (page 27)

FAVORITE allows access to the favorite channel search function (page 36)

PIC SIZE cycles through the five picture sizes: Natural, Theater Wide 1, 2, 3, and Full (page 29)

EXIT exits programming menus (page 22)

SPLIT turns the POP feature on and off (page 33)

SOURCE selects the POP picture source (page 33)

FREEZE freezes the picture. Press again to restore the picture.

SWAP switches the main and POP pictures (page 34)

POP DIRECT CH allows direct access to POP channels (page 33)

CH SCAN allows access to the programmed channel search function (page 35)

LIGHT illuminates the keypad for five seconds
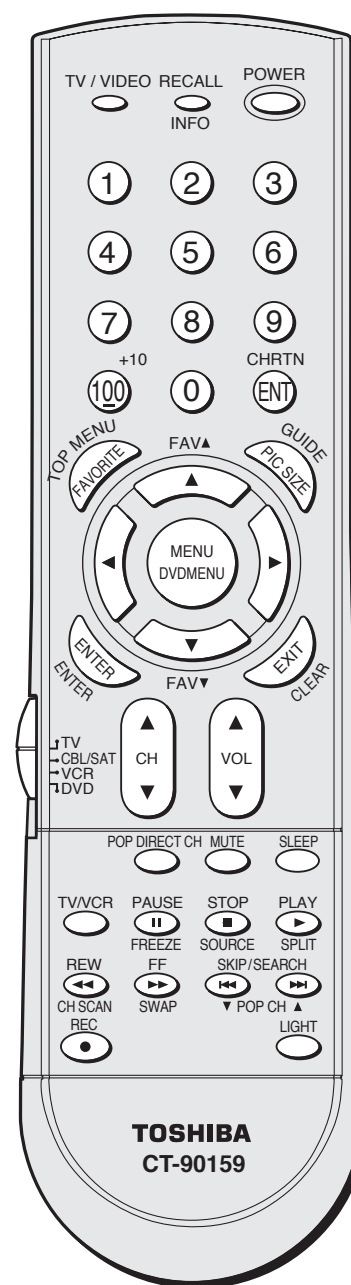
Note:
The error message "Not Available" will appear if you press a key for a function that is not available.

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Setting up your TV

Learning about the menu system

After you have installed the batteries and programmed the remote control, you will need to set some preferences on the TV using the menu system. You can access the menu system by using the control touchpad on the TV front or the remote control.

1. Press MENU to display the menu system.
2. Press ◄ or ► to select a menu.
3. Press ▲ or ▼ to select an item, then press ENTER.
4. Press ▲ or ▼ to select or adjust a setting.
5. Press ENTER to activate the settings.
6. To close the menu, press EXIT.
   If you do not make a selection within 15 seconds, the menu display will disappear automatically.

Control touchpad on TV front

EXIT   MENU
              (ENTER)

MENU
▲▼◄►
EXIT
ENTER

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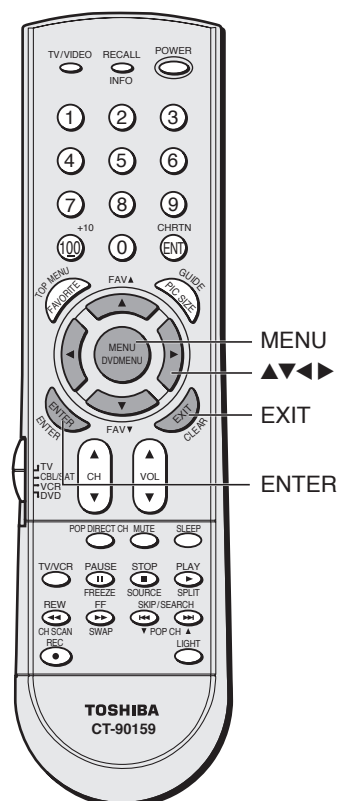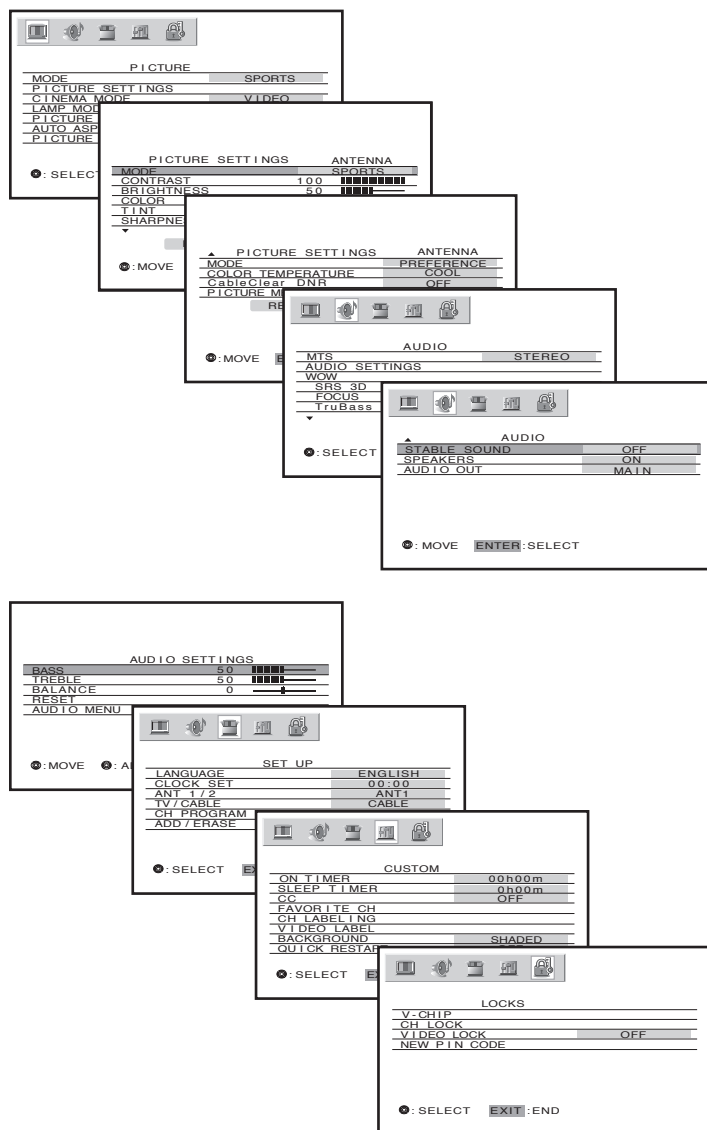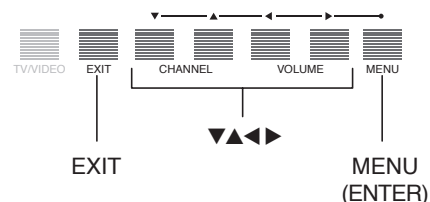
Note:

You can change the background of the menu. See page 55 for details.

Changing the on-screen display language

You can choose from three different languages (English, French and Spanish) for the on-screen display of adjustment menus and messages.

To select a language:

1. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.

2. Press ▲ or ▼ to highlight LANGUAGE, and then press ENTER to display the pull-down menu.

Control touchpad on TV front

TV/VIDEO   EXIT   CHANNEL   VOLUME   MENU

◀▶▼▲

MENU

```
        SET UP
LANGUAGE        ENGLISH
CLOCK SET       FRANÇAIS
ANT 1 / 2       ESPAÑOL
TV / CABLE
CH PROGRAM
ADD / ERASE

 ◉:SELECT   ENTER:SET
```
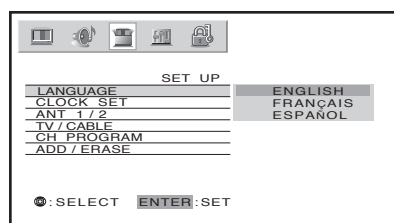
3. Press ▲ or ▼ to highlight your desired language.

Selecting the antenna input

You can connect to two different antenna input sources (ANT 1 or ANT 2).

To select the antenna input using the menu system:

1. Press MENU, and then press ◀ or ▶ to highlight the SET UP menu.

2. Press ▲ or ▼ to highlight ANT 1/2, and then press ENTER to display the pull-down menu.

TV/VIDEO

MENU
▲▼◀▶

ENTER

```
        SET UP
LANGUAGE        ANT1
CLOCK SET       ANT2
ANT 1 / 2
TV / CABLE
CH PROGRAM
ADD / ERASE

 ◉:SELECT   ENTER:SET
```

3. Press ▲ or ▼ to highlight either ANT 1 or ANT 2, depending on the antenna terminal you wish to use.

To select the antenna input using the TV/VIDEO button:

1. Press the TV/VIDEO button on the remote control or TV. The current signal source displays in purple.

2. Continue pressing the TV/VIDEO button to select ANT 1 or ANT 2.

Control touchpad on TV front

TV/VIDEO   EXIT   CHANNEL   VOLUME   MENU

TV/VIDEO

```
   SOURCE SELECTION
0 : ANT 1
1 : VIDEO 1
2 : VIDEO 2
3 : VIDEO 3
4 : Color Stream HD1
5 : Color Stream HD2
6 : HDMI
7 : ANT 2

0 – 7 : TO SELECT
```

```
   SOURCE SELECTION
ANT 1
VIDEO 1
VIDEO 2
VIDEO 3
Color Stream HD1
Color Stream HD2
HDMI
ANT 2

TV / VIDEO : TO SELECT
```

Pressing TV/VIDEO on the remote control displays the current signal source (press TV/VIDEO again or 0–7 to change)
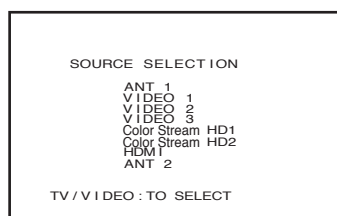
Pressing TV/VIDEO on the TV changes the current signal source
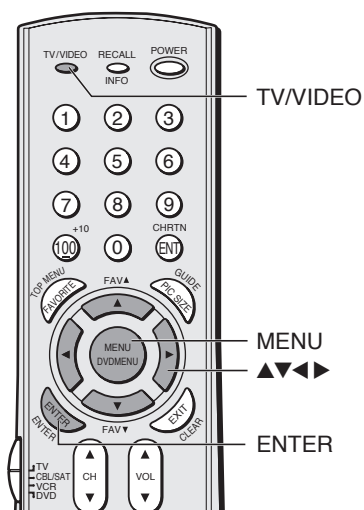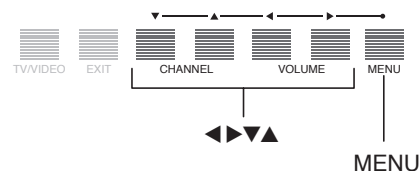
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23
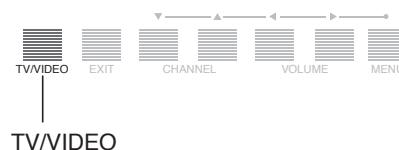
Adding channels to the TV's memory

When you press Channel ▲ or ▼, your TV will stop only on the channels stored in the TV's channel memory.

Follow the steps below and on the next page to program all active channels into the TV's memory.

Programming channels automatically

Your TV can automatically detect all active channels in your area and store them in its memory. After the channels are stored automatically, you can manually add or erase individual channels (see page 25).

To program channels automatically:

1. Press MENU, and then press ◄ or ► until the SET UP menu appears.
2. Press ▲ or ▼ until TV/CABLE is highlighted, and then press ENTER to display the pull-down menu.
3. Press ▲ or ▼ to highlight either TV or CABLE, depending on which you use. If you use an antenna, highlight TV; if you use cable, highlight CABLE.

```
                    SET  UP
   LANGUAGE                    TV
   CLOCK  SET                  CABLE
   ANT  1 / 2
   TV / CABLE
   CH  PROGRAM
   ADD / ERASE


   ●: SELECT    ENTER : SET
```
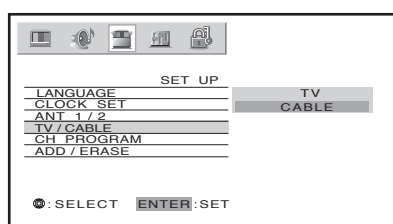
4. Press ENTER.
5. Press ▼ to select CH PROGRAM.

```
                    SET  UP
   LANGUAGE                 ENGLISH
   CLOCK  SET               00 : 00
   ANT  1 / 2               ANT1
   TV / CABLE               CABLE
   CH  PROGRAM
   ADD / ERASE                ADD


   ●: MOVE    ENTER : START
```
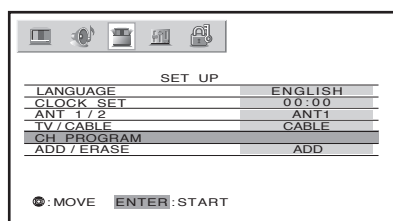
6. Press ENTER to start channel programming. The TV will automatically cycle through all the TV or Cable channels (depending on which you selected), and store all active channels in the channel memory.

   While the TV is cycling through the channels, the message "Programming Now—Please Wait" appears.

7. When channel programming is complete, the message "Completed" appears.
8. Press Channel ▲ or ▼ to view the programmed channels.

Note:

To tune the TV to a channel not programmed in the channel memory, you must use the Channel Number buttons on the remote control.

MENU

▲▼◄ ►

ENTER

Channel ▲▼

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62HM14(E)22-25   24   1/24/05, 1:45 PM
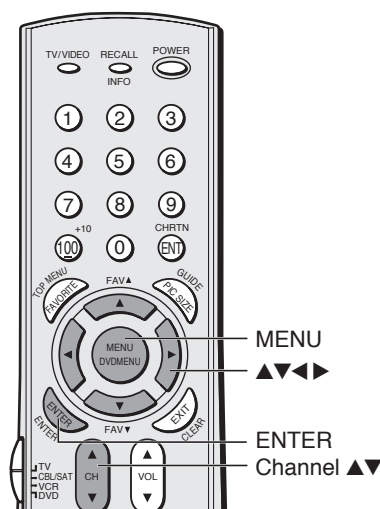
Adding and erasing channels manually

After you have programmed the channels automatically, you can manually add or erase specific channels.

To add or erase channels:

1. Select the channel you want to add or erase. If you are adding a channel, you must select the channel using the Channel Number buttons.

2. Press MENU, and then press ◄ or ► until the SET UP menu appears.

3. Press ▲ or ▼ to highlight ADD/ERASE, and then press ENTER to display the pull-down menu.
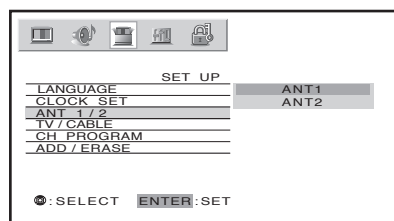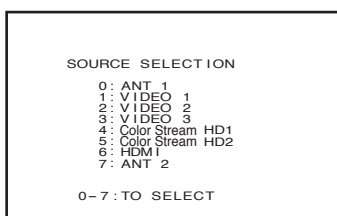
```
                    SET UP          ADD
     LANGUAGE                       ERASE
     CLOCK  SET
     ANT  1 / 2
     TV / CABLE
     CH  PROGRAM
     ADD / ERASE

     ⊙ : SELECT    ENTER : SET
```
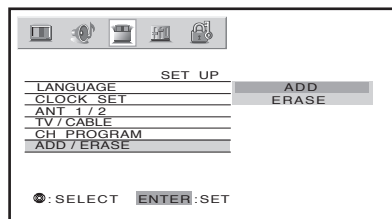
4. Press ▲ or ▼ to select ADD or ERASE, depending on the function you want to perform.

5. Repeat steps 1–4 for other channels you want to add or erase.

Changing channels

To change to a specific channel (programmed or unprogrammed):
Press the Channel Number buttons (0–9 and 100).
For channels 100 and higher, press the 100 button, and then the next two numbers. For example, to select channel 125, press 100, 2, 5.

To change to the next programmed channel:
Press Channel ▲ or ▼ on the TV or remote control.

Selecting the Quick Restart

With the Quick Restart feature set to ON, the TV stays in standby mode for several minutes after the TV is turned off.

If the TV is turned on from standby mode, the full picture appears immediately.

1. Press MENU, and then press ◄ or ► until the CUSTOM menu appears.

2. Press ▲ or ▼ to highlight QUICK RESTART, and then press ENTER.

3. Press ▲ or ▼ to select ON or OFF, and then press ENTER.

```
                    CUSTOM
     ON  TIMER                      ON
     SLEEP  TIMER                   OFF
     CC
     FAVORITE  CH
     CH  LABELING
     VIDEO  LABEL
     BACKGROUND
     QUICK  RESTART

     ⊙ : SELECT    ENTER : SET
```

Control touchpad on TV front

TV/VIDEO   EXIT   CHANNEL   VOLUME   MENU

◄►▼▲

MENU

Channel Number

MENU
▲▼◄►

ENTER

Channel ▲▼
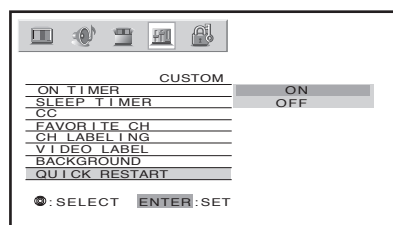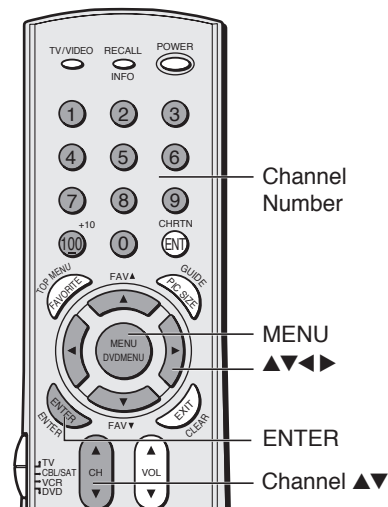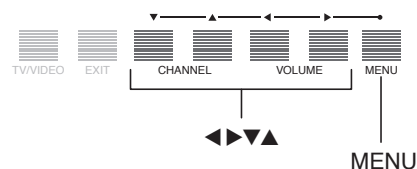
Note:

If Quick Restart is set to OFF and you turn off the TV, it can take up to several seconds for the picture to appear when you turn on the TV again.

If Quick Restart is set to ON and you turn off the TV, the following will occur for a few minutes:

- *The screen (lamp) lights dimly.*
- *The fans continue to run.*

This is a function of the Quick Restart standby mode and is not a TV malfunction. If you do not prefer this, set the Quick Restart feature to OFF.

When the Quick Restart feature is set to OFF, if you repeatedly turn the TV on and off in a short period of time, the useful service life for the lamp may be shorter than the average useful service life. See page 56.

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Adjusting the channel settings

Switching between two channels using Channel Return

The Channel Return feature allows you to switch between two channels without entering an actual channel number each time.

1. Select the first channel (or video mode) you want to view.
2. Select a second channel using the Channel Number buttons (0–9, 100).
3. Press CH RTN. The previous channel will display.

Each time you press CH RTN, the TV will switch back and forth between the last two channels that were selected.

Switching between two channels using SurfLock™

The SurfLock™ feature temporarily stores one channel in the CH RTN button, so you can return to that channel quickly from any other channel by pressing CH RTN.

To store a channel in the CH RTN button:

1. Tune the TV to the channel you want to store in the CH RTN button.
2. Press and hold CH RTN for about 2 seconds until the message "Channel Memorized" appears on the screen. The channel has been stored in the CH RTN button.

CHANNEL MEMORIZED
ANT 1

CABLE   6

3. Continue to change channels until your desired channel is selected.
4. Press CH RTN. The stored channel will be selected.

The TV will return to the stored channel one time only. Once you press CH RTN and then change channels again, the CH RTN button memory will be cleared and the button will function as Channel Return, by switching back and forth between the last two channels that were selected.

Programming your favorite channels

You can preset up to 12 of your favorite channels using the Favorite Channel Programming feature. Because this feature scans through only your favorite channels, it allows you to skip other channels you do not normally watch.

To program your favorite channels:

1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight FAVORITE CH.

CUSTOM	
ON TIMER	00h00m
SLEEP TIMER	0h00m
CC	OFF
FAVORITE CH	
CH LABELING	
VIDEO LABEL	
BACKGROUND	SHADED
QUICK RESTART	ON

⊙ : MOVE   ENTER : START

TV/VIDEO

Channel Number

CH RTN

MENU

▲▼◀▶

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3. Press ENTER to display the FAVORITE CH menu. CH INPUT will be highlighted.

```
                FAVORITE CH
 CH  INPUT                          ---
         ---     ---     ---     ---
         ---     ---     ---     ---
         ---     ---     ---     ---
                              TV  CABLE
  CLEAR  ALL
  CUSTOM  MENU
  0-9 :SELECT     ENTER :SET
```

4. Press the Channel Number buttons to enter one of your favorite channels.
5. Press ENTER.
6. Repeat steps 4 and 5 for your other favorite channels.

To select your favorite channels:

Press FAV ▼ or ▲.

To quickly scan through your favorite channels in a twelve-picture multi-window:

Press FAVORITE (see page 36 for details).

To clear a favorite channel:

1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight FAVORITE CH.
3. Press ENTER to display the FAVORITE CH menu.

```
                FAVORITE CH
 CH  INPUT                          ---
          2       3       4       5
          6       7       8       9
         10      11      12      13
                              TV  CABLE
  CLEAR  ALL
  CUSTOM  MENU
  0-9 :SELECT     ENTER :SET
```

4. Press ▲▼◀▶ to highlight the channel you want to clear, then press ENTER.

```
                FAVORITE CH
 CH  INPUT                          ---
          2       3       4       5
          6       7       8       9
         10      11      12      13
                              TV  CABLE
  CLEAR  ALL
  CUSTOM  MENU
  ⊕ :SELECT     ENTER :CLEAR
```

5. Repeat step 4 for other favorite channels you want to clear.

To clear all favorite channels at once:

Press ▲ or ▼ to highlight CLEAR ALL in step 4 above, and then press ENTER to clear all favorite channels at once.

```
                FAVORITE CH
 CH  INPUT                          ---
         ---     ---     ---     ---
         ---     ---     ---     ---
         ---     ---     ---     ---
                              TV  CABLE
  CLEAR  ALL
  CUSTOM  MENU
  ⊕ :MOVE     ENTER :START
```

Note:
- *The FAV ▼▲ buttons operate as MENU ▼▲ buttons when a menu is on-screen.*
- *The favorite channel feature is not available in ANT2 mode.*

Channel Number

FAVORITE

MENU

▲▼◀▶

FAV ▼▲

ENTER

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Labeling channels

Channel labels appear above the on-screen channel number display each time you turn on the TV, change a channel, or press RECALL. You can choose any four characters to identify a channel.

To create channel labels:

1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.

2. Press ▲ or ▼ to highlight CH LABELING.

3. Press ENTER to display the CH LABELING menu.

   CH INPUT will be highlighted.

```
                CH  LABEL ING
   CH  INPUT                        – – –
   LABEL                            – – – –
   CLEAR
   CUSTOM  MENU


      :MOVE    0–9 :SELECT
```

4. Press the Channel Number buttons to select a channel you want to label.

5. Press ▼ to highlight LABEL.

6. Press ◀ or ▶ repeatedly to select a character for the first space, and then press ENTER.

```
                CH  LABEL ING                          CH  LABEL ING
   CH  INPUT                 06              CH  INPUT                 06
   LABEL                   – – – –           LABEL                  A – – –
   CLEAR                                     CLEAR
   CUSTOM  MENU                              CUSTOM  MENU


   0–9 :SELECT   ENTER :SET                     :SELECT   ENTER :SET
```

7. Repeat step 6 to enter the rest of the characters.

   If you would like a blank space in the label name, you must choose an empty space from the list of characters. Otherwise, a dash "–" will appear in that space.

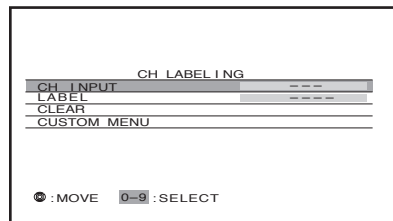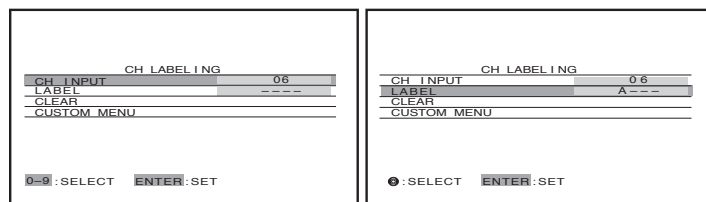8. Repeat steps 4–7 to label other channels. You can assign labels to a maximum of 32 channels.

To erase channel labels:

1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.

2. Press ▲ or ▼ to highlight CH LABELING.

3. Press ENTER to display the CH LABELING menu.

4. Press ▼ to highlight CH INPUT, then select the channel you want to clear with the Channel Number buttons.

5. Press ▼ or ▲ to highlight CLEAR.

6. Press ENTER to erase the channel label.

7. Repeat steps 4–6 to erase other channel labels.

```
                CH  LABEL ING
   CH  INPUT                 06
   LABEL                   ABCD
   CLEAR
   CUSTOM  MENU


      :MOVE    ENTER :START
```

RECALL

Channel Number

MENU
▲▼◀▶

ENTER

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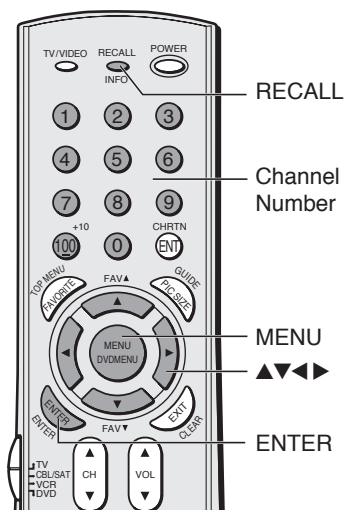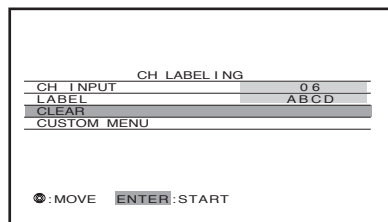
Viewing the wide-screen picture formats (480i, 480p, and 1080i signals only)

You can view 480i, 480p, and 1080i format programs in a variety of picture sizes—Natural, Theater Wide 1, Theater Wide 2, Theater Wide 3, and Full. (The Full picture size is not selectable for 1080i format programs.)

The way the image displays in any of the picture sizes will vary depending on the format of the program you are viewing. Select the picture size that displays the current program the way that looks best to you.

Selecting the picture size

1. Press PIC SIZE on the remote control.
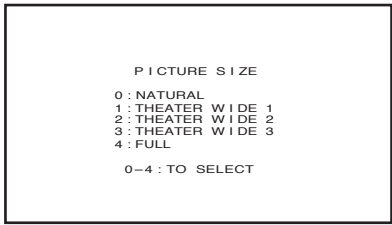2. Press the corresponding number button (0-4) to select the desired picture size, as described below and on the next page.

```
        PICTURE SIZE

    0 : NATURAL
    1 : THEATER  WIDE 1
    2 : THEATER  WIDE 2
    3 : THEATER  WIDE 3
    4 : FULL

    0–4 : TO  SELECT
```

Natural picture size

• The image is displayed close to its originally formatted proportion. Some program formats will display with side bars and/or bars at the top and bottom.

Natural picture size example: The way the image displays will vary depending on the format of the program you are currently watching.
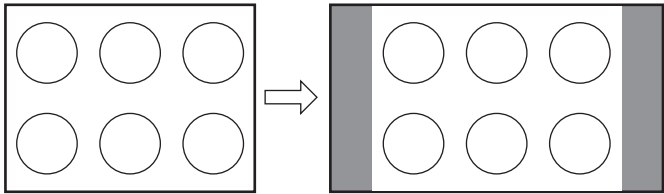
Conventional picture on a conventional TV screen

Conventional picture in Natural size on your wide-screen TV

(continued on next page)

Number

PIC SIZE

MENU

▲▼◄►
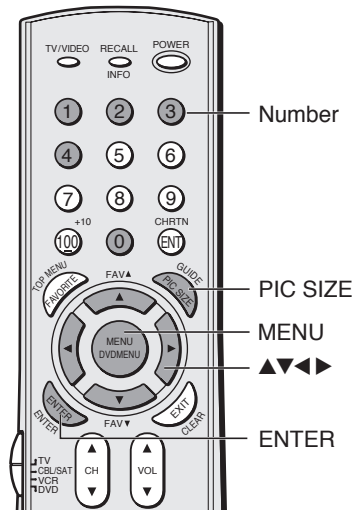
ENTER

Note:
You also can change the picture size by selecting PICTURE SIZE in the PICTURE menu.

```
            PICTURE
MODE                        SPORTS
PICTURE SETTINGS
CINEMA MODE                 VIDEO
LAMP MODE                   HI BRIGHT
PICTURE SIZE
AUTO ASPECT                 ON
PICTURE SCROLL

 :MOVE   ENTER :START
```

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62HM14(E)26-37   29   1/24/05, 1:48 PM
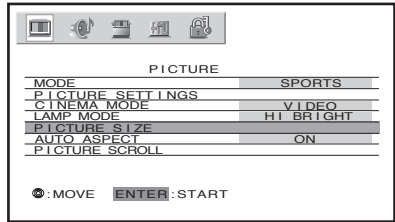
Theater Wide 1 picture size (For 4:3 format programs)

- The picture is non-uniformly enlarged—the center of the picture remains close to its original proportion, but the left and right edges are stretched wider to fill the screen.
- A small part of the picture at the top and bottom is hidden; however, this mode cannot be scrolled.

Theater Wide 1 picture size example

Theater Wide 2 picture size (For Letter box programs)

- The entire picture is uniformly enlarged—it is stretched the same amount both wider and taller (retains its original proportion).
- Part of the picture at the top and bottom is hidden. To view the hidden areas, see "Scrolling the Theater Wide picture" on page 31.

Theater Wide 2 picture size example
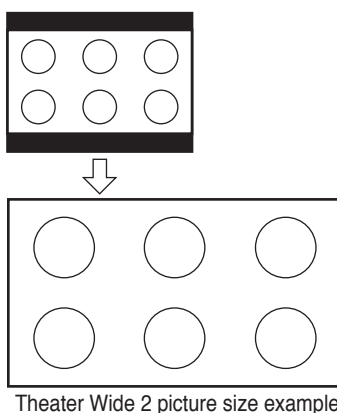
Theater Wide 3 picture size (For Letter box programs with subtitles)

- The picture is non-uniformly enlarged—it is stretched wider to fill the width of the screen, but only slightly stretched taller.
- A small part of the picture at the top and bottom is hidden. To view the hidden areas (such as subtitles or captions), see "Scrolling the Theater Wide picture" on page 31.

Theater Wide 3 picture size example
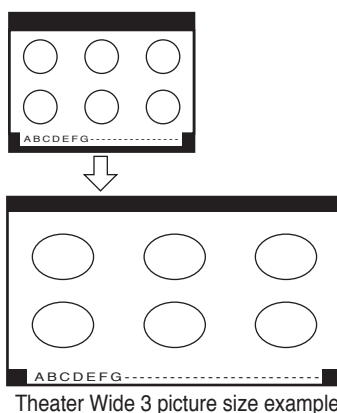
Note:

Using these functions to change the picture size (i.e., changing the height/width ratio) for any purpose other than your private viewing may be prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

Full picture size (For 16:9 format programs)

- The picture is non-uniformly enlarged. If you are receiving a 4:3 format program, it is stretched wider to fill the width of the screen, but not stretched taller.
- None of the picture is hidden.

Full picture size example

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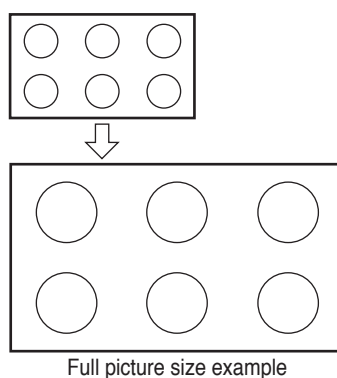
Scrolling the Theater Wide picture
(Theater Wide 2 and 3 only)

1. Press PIC SIZE to select the Theater Wide 2 or 3 mode.
2. Press MENU, and then press ◄ or ► until PICTURE menu appears.
3. Press ▲ or ▼ to highlight PICTURE SCROLL.

```
    ▦  ◉  ▤  ▥  ▦

              PICTURE
  MODE                    SPORTS
  PICTURE  SETTINGS
  CINEMA  MODE            VIDEO
  LAMP  MODE              HI  BRIGHT
  PICTURE  SIZE
  AUTO  ASPECT            ON
  PICTURE  SCROLL

  ◉:MOVE   ENTER:START
```
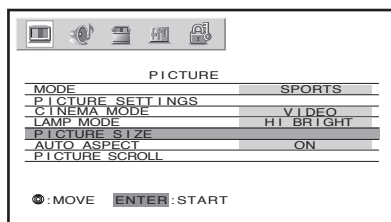
4. Press ENTER to display the Scroll Adjustment mode.

```
          SCROLL  ADJUSTMENT    0

              ▲▼:TO  ADJUST
```
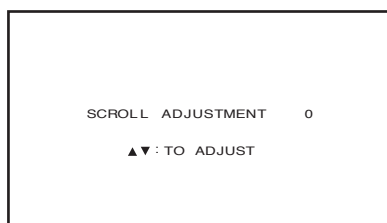
5. Press ▲ or ▼ to adjust the vertical position of the picture.
   • Normal (center) position

```
          SCROLL  ADJUSTMENT    0

              ▲▼:TO  ADJUST
```

   • To raise the picture, press ▲ .

```
          SCROLL  ADJUSTMENT    +20

              ▲▼:TO  ADJUST
```
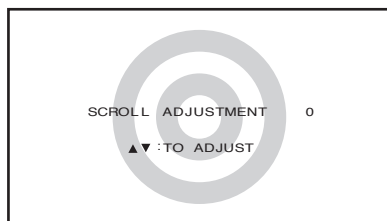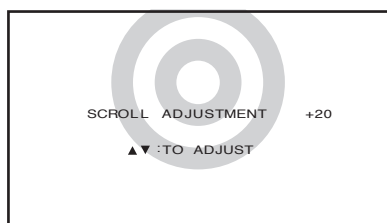
   • To lower the picture, press ▼.

```
          SCROLL  ADJUSTMENT    −10

              ▲▼:TO  ADJUST
```

PIC SIZE
MENU
▲▼◄ ►
ENTER
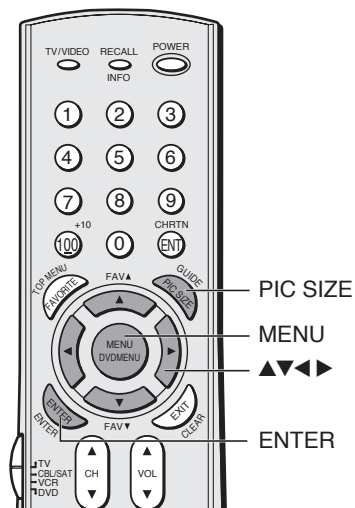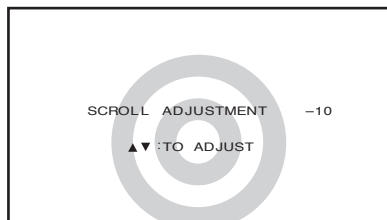
Note:
You can scroll the picture in Theater Wide 2 and Theater Wide 3 only. The scroll amounts are as follows:

• *480i/480p/1080i signal source:*

  Theater Wide 1: Not adjustable
  Theater Wide 2: -10 to +20
  Theater Wide 3: -10 to +20

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Using the AUTO ASPECT feature

When the AUTO ASPECT feature is set to ON and the TV receives a 480i signal, the picture size is automatically selected (as described in the following table).

Aspect ratio of signal source	Automatic aspect size (automatically selected when AUTO ASPECT is ON)
4:3 Normal	Natural
16:9 Full	Full
4:3 Letter box	Theater wide 2
Not defined (no ID-1 data)*	User-set mode

*If the signal does not include aspect information, the picture size you selected on pages 29–30 is displayed.

To turn on the AUTO ASPECT feature:

1. Press MENU, and then press ◄ or ► until the PICTURE menu appears.

```
             PICTURE
MODE                    SPORTS
PICTURE  SETTINGS
CINEMA  MODE            VIDEO
LAMP  MODE              HI  BRIGHT
PICTURE  SIZE
AUTO  ASPECT            ON
PICTURE  SCROLL

  : SELECT    EXIT : END
```

2. Press ▲ or ▼ to highlight AUTO ASPECT, and then press ENTER.

```
             PICTURE
MODE                    ON
PICTURE  SETTINGS       OFF
CINEMA  MODE
LAMP  MODE
PICTURE  SIZE
AUTO  ASPECT
PICTURE  SCROLL

  : SELECT    ENTER : SET
```

3. Press ▲ or ▼ to select ON, and then press ENTER.

Note:

The AUTO ASPECT feature is available for additional formats when viewing HDMI sources because AUTO ASPECT operates based on information found in the digital HDMI signal (not ID–1signal).

MENU
▲▼◄►

ENTER

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Using the POP double-window feature

The POP (picture-out-picture) feature splits the screen into a double window that allows you to watch two programs at the same time. The POP program can come from a TV broadcast or an external source, such as a VCR.

To display a TV broadcast in the POP window:

1. Press SPLIT to display the POP window.

Main window ——————— POP window
(480i only)

ANT 1
MAIN
6

POP
12

2. Select POP channels in the following two ways:

- To change to a specific channel, press POP DIRECT CH. While "POP" is on the screen, press the Channel Number buttons (0–9 and 100).

- To change to the next programmed channel, press POP CH ▼▲.

If the V-CHIP feature is active and you try to watch a TV program that exceeds your set rating limits, the program will be blocked (see "Using the V-CHIP menu" on page 37).

POP
24
BLOCKED

To display a picture from an external source in the POP window:

1. Connect the external source equipment (see "Connecting your TV" on page 8).

2. Select the TV program you want to watch in the main window.

3. Press SPLIT to display the POP window.

4. Repeatedly press SOURCE to select the input source for the POP window (VIDEO 1, VIDEO 2, VIDEO 3, ColorStream HD1, ColorStream HD2, or HDMI). The current source will display in purple.

```
POP  SOURCE  SELECTION
    0 : TV
    1 : VIDEO 1
    2 : VIDEO 2
    3 : VIDEO 3
    4 : Color Stream  HD1
    5 : Color Stream  HD2
    6 : HDMI
    0 - 6 : TO  SELECT
```

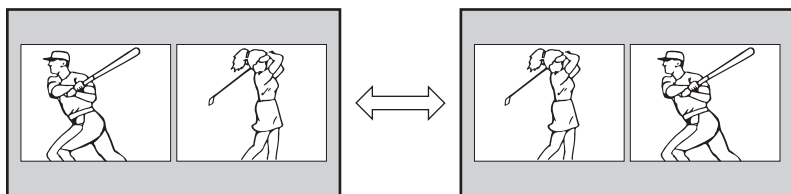While the above menu is on the screen, you can select the desired signal input source by pressing the corresponding number button (0–6).

To close the POP window:

Press SPLIT again or EXIT.

Note:

- The SPLIT buttons on the remote control operate the TV's POP features.

- You can display only 480i format program in the main window. Only the audio signal is output.

- You cannot display the ANT-2 signal source in the POP window.

- You can choose to output the sound of either the main or POP program through the AUDIO OUT jacks (see "Selecting the Audio OUT sound" on page 54).

- You can choose to hear either the main or POP audio through the TV speakers. (See "Switching the speaker audio (main or POP)" on page 34.)

- HDMI, 720p ColorStream, 480p ColorStream, and 1080i ColorStream signals will only display in the POP (right) window. These signals will not display in the main (left) window when the TV is in double-window mode.

- If an HDMI or ColorStream source is being viewed when you open the POP double-window feature, the HDMI or ColorStream source will default to the POP (right) window.

Channel Number

EXIT

POP DIRECT CH

SPLIT

SOURCE

POP CH ▼▲

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(E) 62HM14

Switching the main and POP pictures

Press SWAP while you are using the POP feature to switch the main and POP pictures.
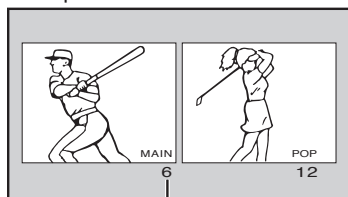

Switching the speaker audio (main or POP)

Press ◄ or ► while you are using the POP feature to switch the sound (main or POP) from the speakers. The POP sound in the TV mode is monaural only.
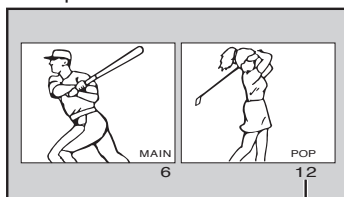
The selected audio source indicator is displayed in purple.
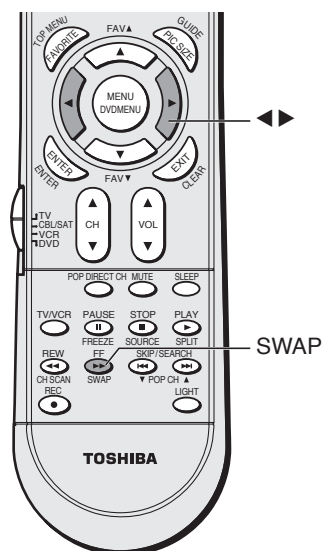
Example: Press ◄   Example: Press ►
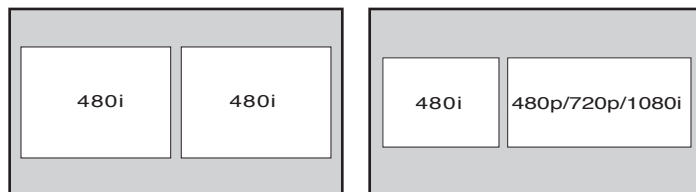

purple   purple

SWAP

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Double–Window aspect ratio

The Double-Window feature displays each picture according to its input signal aspect ratio, as illustrated below.

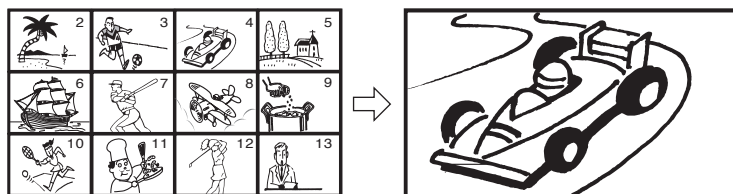| 480i	480i

480i	480p/720p/1080i

Using the programmed channel search function

You can use the programmed channel search function to quickly scan the channels you programmed into the TV's memory (page 24).

1. Press CH SCAN.
The TV automatically enters multi-window mode, and begins a twelve-picture scan of your programmed channels in the multi-window.
(Press CH SCAN again to return to a normal picture.)
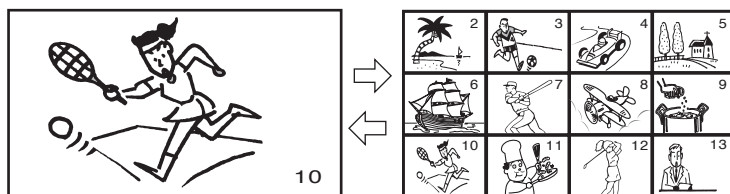
2. Press the Channel Number buttons to select one of the twelve pictures.

Channel Number

Channel ▲▼

CH SCAN

Note:

During the programmed channel search, the multi-window pictures display in 4:3 aspect ratio, regardless of the signal format. The sound is not output.

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(E) 62HM14

Using the favorite channel search function

You can use the favorite channel search function to quickly scan your favorite channels (see "Programming your favorite channels" on page 26).

1. Press FAVORITE.

   The TV automatically enters multi-window mode, and begins a twelve-picture scan of your favorite channels in the multi-window. (Press FAVORITE again to return to a normal picture.)
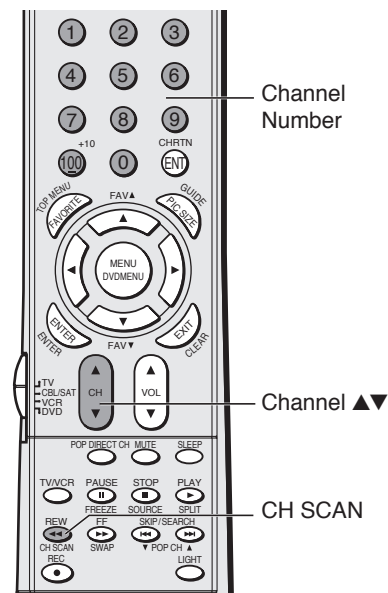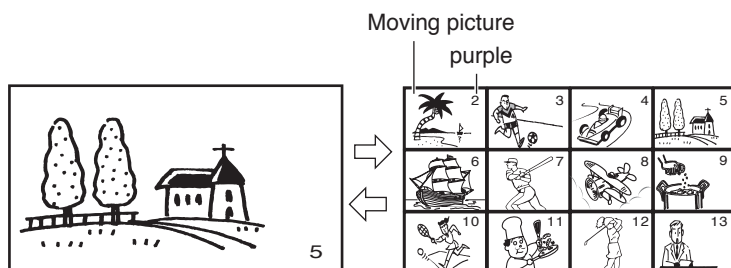
Moving picture
purple

FAVORITE

▲▼◄►

ENTER

2. Press ▲▼◄► to select one of the twelve pictures (becomes a moving picture). The selected channel number is in purple and the monaural sound of the selected channel is output.

3. Press ENTER to display the channel you selected in step 2 as a normal picture.

purple
Moving picture
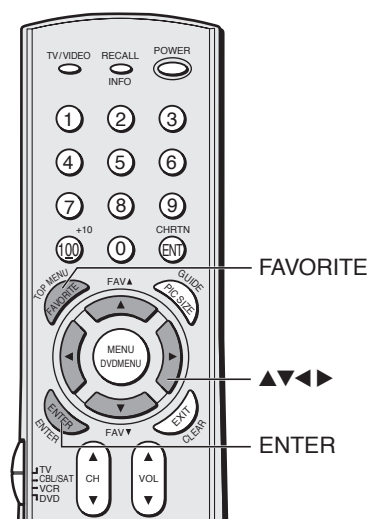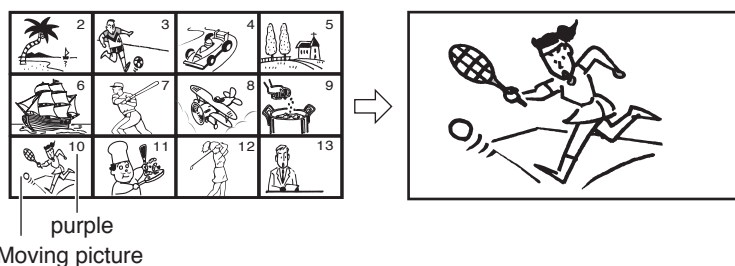
About the auto favorite feature

If your TV is in the program lock mode (page 40), after 4 seconds the TV starts the auto favorite channel search function.

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your TV

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Features

Using the LOCKS menu

The LOCKS menu includes the V-Chip, CH Lock, Video Lock, and New PIN Code functions. You can use these functions after entering the correct PIN code.

Entering the PIN code

1. Press MENU, and then press ◄ or ► until the LOCKS menu appears.

```
        ▭  ◉  ▦  ▧  ▤
              LOCKS
        V-CHIP
        CH LOCK
        VIDEO LOCK          OFF
        NEW PIN CODE

        ⊗:SELECT   EXIT:END
```
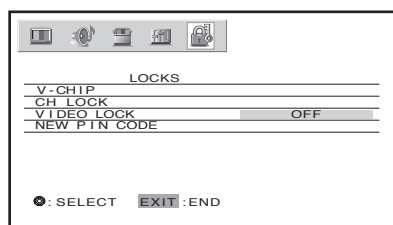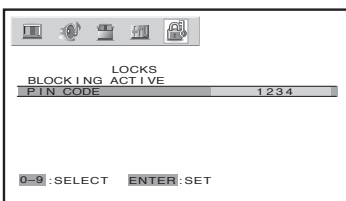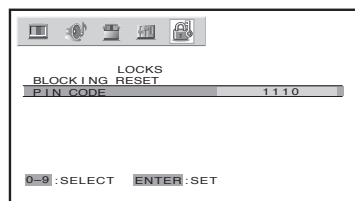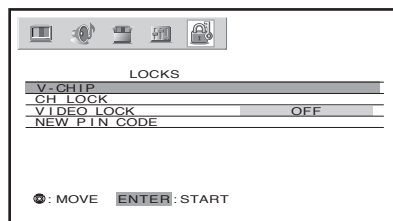
2. Press ▲ or ▼ to display the PIN code entering mode.

- Blocking Reset status:
  Set a new 4-digit code by pressing the Number buttons (0–9).

- When the PIN code is already stored:
  Press the Number buttons (0–9) to enter your 4-digit PIN code.

```
        ▭  ◉  ▦  ▧  ▤
              LOCKS
        BLOCKING RESET
        PIN CODE            1110



        0—9:SELECT   ENTER:SET
```

```
        ▭  ◉  ▦  ▧  ▤
              LOCKS
        BLOCKING ACTIVE
        PIN CODE            1234



        0—9:SELECT   ENTER:SET
```

If the wrong PIN code is entered, the message "Incorrect" appears. Enter the code again, and then press ENTER.

If you cannot remember your PIN code

1. While the PIN code entering screen is displayed, press RECALL four times within five seconds. The PIN code will be released (Blocking Reset status restored).

2. Enter a new 4-digit code, and then press ENTER.
   The LOCKS menu appears.

```
        ▭  ◉  ▦  ▧  ▤
              LOCKS
        V-CHIP
        CH LOCK
        VIDEO LOCK          OFF
        NEW PIN CODE

        ⊗:MOVE   ENTER:START
```

Continue to set each item following the steps on pages 38-41.

Using the V-CHIP menu

Some TV programs and movies include signals that classify the content of the program (violence, sex, dialog, language). The V-CHIP control feature in this TV detects the signals and blocks the programs according to your selections. To use this feature, perform the following setup.

Note:

The V-Chip function is available for the U.S. V-Chip system only. The Canadian V-Chip system is not supported.
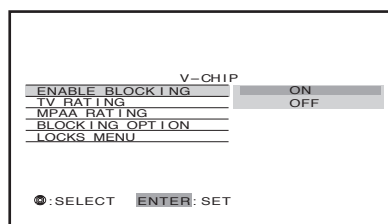
RECALL

Number

MENU

▲▼◄ ►
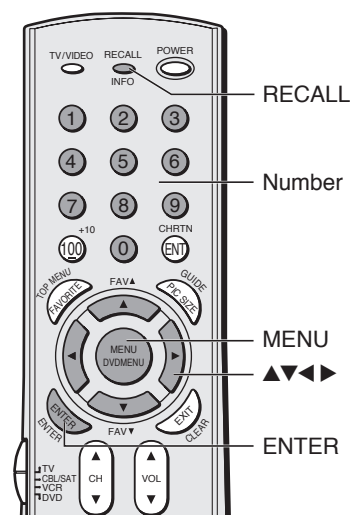
ENTER

ENABLE BLOCKING

1. From the LOCKS menu, press ▼ or ▲ to highlight V-CHIP, and then press ENTER.

   The V-CHIP menu appears.

2. Press ▼ or ▲ to highlight ENABLE BLOCKING, and then press ENTER.

```
                    V–CHIP
        ENABLE  BLOCKING          ON
        TV  RATING                OFF
        MPAA  RATING
        BLOCKING  OPTION
        LOCKS  MENU


        ⊙:SELECT    ENTER: SET
```

3. Press ▲ or ▼ to select ON or OFF.

   ON : To enable your setting (Lock)

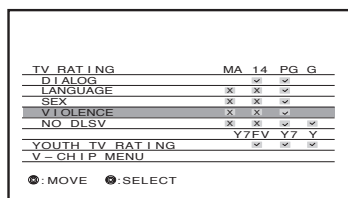   OFF: To release your setting (Unlock)

   Note: *The CH LOCK function is not affected by this setting.*

TV RATING (Independent rating system for broadcasters)

1. From the V-CHIP menu, press ▼ or ▲ to highlight TV RATING, and then press ENTER.
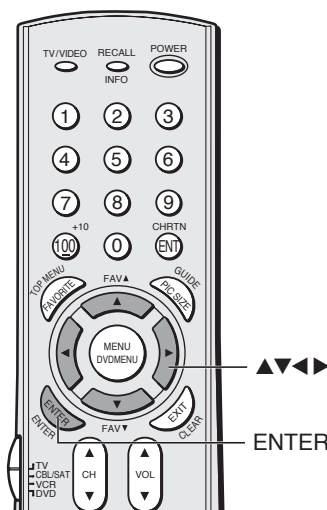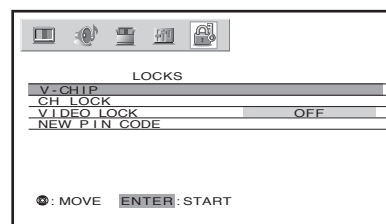
   The TV RATING menu appears.

2. Press ▼ or ▲ to select an item.

3. Press ▶ to lock (displays "X").

   Press ◀ to unlock (displays "✓").
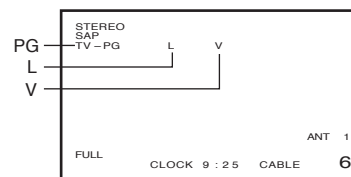
4. Repeat steps 2 and 3 to set the next item.

```
      TV  RATING            MA  14  PG  G
         DIALOG                   ✓   ✓
         LANGUAGE            x    x   ✓
         SEX                x    x   ✓
         VIOLENCE           x    x   ✓   ✓
         NO  DLSV                      ✓   ✓
                             Y7FV  Y7  Y
      YOUTH  TV  RATING       ✓    ✓   ✓
      V – CHIP  MENU
      ⊙:MOVE    ⊙:SELECT
```

The TV age-based ratings and content themes you can lock are listed in the table below.

Ratings	Description and Content themes
MA	Mature Audience Only (This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.) **L) Crude or indecent language S) Explicit sexual activity V) Graphic violence**
14	Parents Strongly Cautioned (This program contains some material that many parents would find unsuitable for children under 14 years of age.) **D) Intensely suggestive dialog L) Strong, coarse language S) Intense sexual situations V) Intense violence**
PG	Parental Guidance Suggested (This program contains material that parents may find unsuitable for younger children.) **D) Some suggestive dialog L) Infrequent coarse language S) Some sexual situations V) Moderate violence**
G	General Audience (Most parents would find this program suitable for all ages.)
Y7, Y7FV	Directed to Older Children (This program is designed for children age 7 and above. Note: Programs in which fantasy violence may be more intense or more combative than other programs in this category are designated Y7FV.)
Y	All Children (This program is designed to be appropriate for all children.)

LOCKS menu

```
        🖵  🎙  📺  📻  🔒

                LOCKS
        V–CHIP
        CH  LOCK
        VIDEO  LOCK              OFF
        NEW  PIN  CODE



        ⊙: MOVE   ENTER: START
```

Press RECALL to display the rating of the TV program you are currently watching.

```
      STEREO
      SAP
 PG —— TV – PG       L        V
 L
 V

                              ANT   1
      FULL        CLOCK 9 : 25   CABLE   6
```
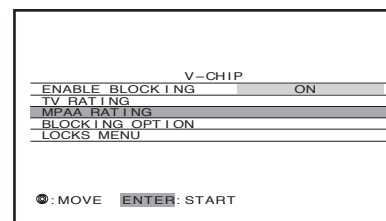
MPAA RATING (Independent rating system for movies)

1. From the V-CHIP menu, press ▼ or ▲ to highlight MPAA RATING, and then press ENTER.
   MPAA RATING menu appears.
2. Press ▲ or ▼ to highlight MPAA RATING.
3. Press ▶ to lock ("X") or press ◀ to unlock ("✓").

V-CHIP menu

```
                MPAA  RATING
                X   NC17  R   PG13  PG   G
MPAA  RATING    X    X    X    ✓    ✓    ✓
V—CHIP  MENU



    ◉: MOVE    ◉: SELECT
```

```
                V—CHIP
ENABLE  BLOCKING              ON
TV  RATING
MPAA  RATING
BLOCKING  OPTION
LOCKS  MENU



    ◉: MOVE    ENTER: START
```
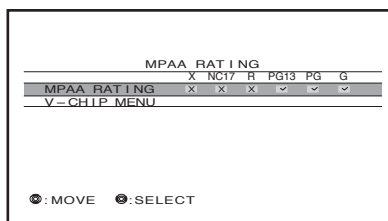
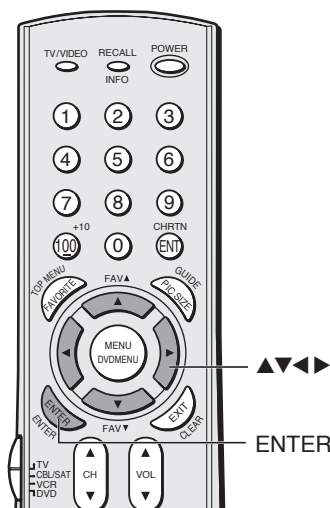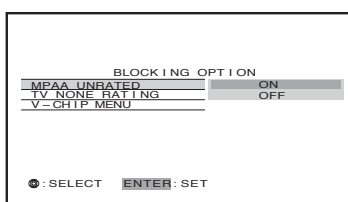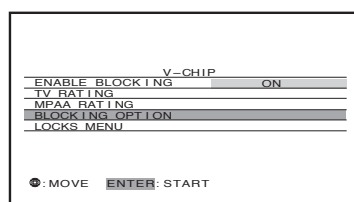The movie ratings you can lock are described as follows:

- X : X-rated (For adults only)
- NC17: Not intended for anyone 17 and under
- R : Restricted (Under 17 requires accompanying parent or adult guardian.)
- PG13 : Parents Strongly Cautioned (Some material may be inappropriate for children under 13.)
- PG : Parental Guidance Suggested (Some material may not be suitable for children.)
- G : General Audience (Appropriate for all ages)

BLOCKING OPTION

1. From the V-CHIP menu, press ▼ or ▲ to highlight BLOCKING OPTION, and then press ENTER.
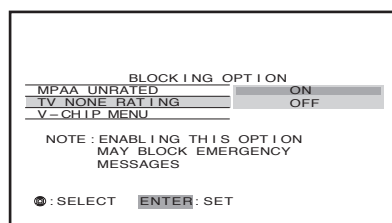   The BLOCKING OPTION menu appears.
2. Press ▲ or ▼ to select item.

MPAA UNRATED :

1. Highlight MPAA UNRATED, and then press ENTER.
2. Press ▲ or ▼ to select ON (Lock) or OFF (Unlock) for unrated programs in the MPAA rating system, and then press ENTER.

```
                V—CHIP
ENABLE  BLOCKING              ON
TV  RATING
MPAA  RATING
BLOCKING  OPTION
LOCKS  MENU


    ◉: MOVE    ENTER: START
```

```
            BLOCKING  OPTION
MPAA  UNRATED                 ON
TV  NONE  RATING             OFF
V—CHIP  MENU



    ◉: SELECT    ENTER: SET
```

TV NONE RATING :

1. Highlight TV NONE RATING, and then press ENTER.
2. Press ▲ or ▼ to select ON (Lock) or OFF (Unlock) for programs rated NONE in the TV PARENTAL GUIDELINES, then press ENTER.

```
            BLOCKING  OPTION
MPAA  UNRATED                 ON
TV  NONE  RATING             OFF
V—CHIP  MENU

NOTE : ENABLING  THIS  OPTION
       MAY  BLOCK  EMERGENCY
       MESSAGES

    ◉: SELECT    ENTER: SET
```

V-CHIP MENU :

Highlight V-CHIP menu, then press ENTER to return to the V-CHIP menu.

▲▼◀▶

ENTER

Caution

Be aware that setting the TV None Rating to ON may block the broadcast of emergency information. The menu will display the note, "Enabling this option may block emergency messages" to warn you of this possibility.

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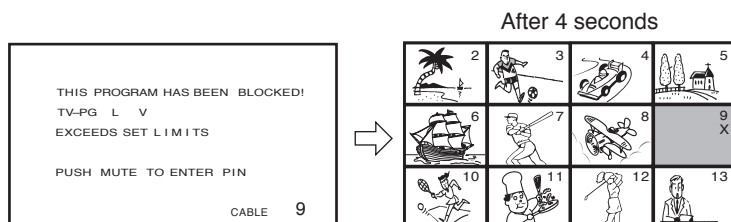Setting up your TV
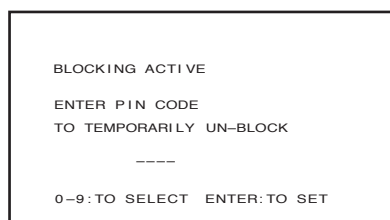Using the TV's Features
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Unlocking programs temporarily

1. If you try to watch a TV program that exceeds the rating limits you set, the TV enters program lock mode. After 4 seconds, the TV starts the auto favorite channel search function (page 36). You can either unlock the program temporarily (see steps 2–4 below) or select a non-locked program to watch.

After 4 seconds

```
THIS PROGRAM HAS BEEN  BLOCKED!
TV-PG  L   V
EXCEEDS SET L I M I TS

PUSH MUTE  TO ENTER  P IN
                         CABLE    9
```

2. To temporarily unlock the program, press MUTE while the message is on the screen.

3. Press the Number buttons (0–9) to enter your 4-digit PIN code.

```
BLOCKING ACT I VE

ENTER  P I N  CODE
TO  TEMPORAR I LY  UN–BLOCK

        – – – –

0 – 9 : TO  SELECT   ENTER : TO  SET
```

4. Press ENTER.

   If the correct code is entered, the program lock mode is released and the normal picture appears.

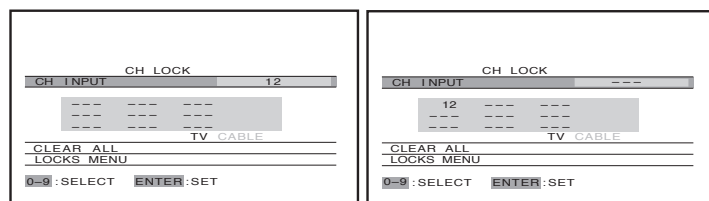   All locking is disabled until the TV is turned off, and will be enabled when the TV is turned on again.
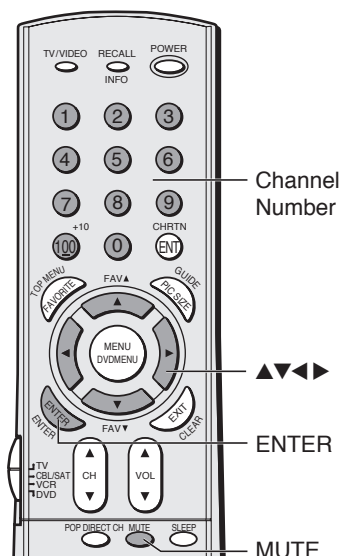
Locking channels

With the CH LOCK feature, you can lock specific channels. The TV will not be able to tune locked channels with the Channel ▲ ▼ buttons or Channel Number buttons, unless you clear the setting.

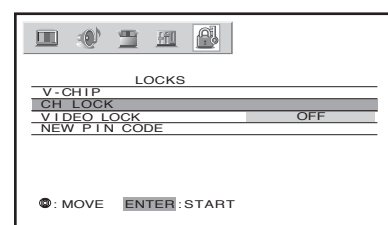You can lock a maximum of nine channels.

To lock channels:

1. From the LOCKS menu, press ▲ or ▼ to highlight CH LOCK, and then press ENTER.

   CH LOCK menu appears, and CH INPUT will be highlighted.

2. Press the Channel Number buttons to enter the channel you want to lock.

3. Press ENTER.

```
          CH  LOCK
CH  I NPUT                  12
       – – –    – – –    – – –
       – – –    – – –    – – –
       – – –    – – –    – – –
                         TV  CABLE
CLEAR  ALL
LOCKS  MENU
0 – 9 : SELECT    ENTER : SET
```

```
          CH  LOCK
CH  I NPUT                 – – –
       12     – – –    – – –
       – – –    – – –    – – –
       – – –    – – –    – – –
                         TV  CABLE
CLEAR  ALL
LOCKS  MENU
0 – 9 : SELECT    ENTER : SET
```

4. Repeat steps 2 and 3 for other channels.

Channel Number

▲▼◄ ►

ENTER

MUTE

LOCKS menu

```
          LOCKS
V - CH I P
CH  LOCK
V IDEO  LOCK              OFF
NEW  P IN  CODE

    : MOVE    ENTER : START
```
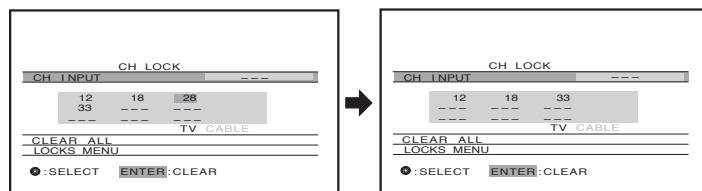
Note:
After programming CH LOCK, change the channel before turning off the TV.
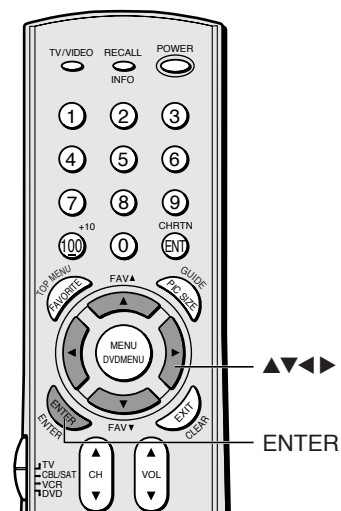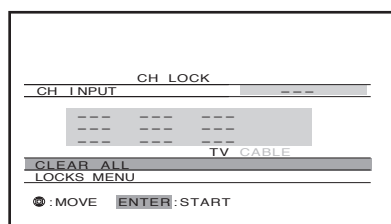
40

To unlock individual channels:

1. From the LOCKS menu, press ▲ or ▼ to highlight CH LOCK, then press ENTER.

   CH LOCK menu appears.

2. Press ▲▼◀ ▶ to highlight the channel you want to unlock, and then press ENTER.

```
          CH LOCK
CH INPUT              ---

     12    18    28
     33   ---   ---
    ---   ---   ---
              TV CABLE
 CLEAR ALL
 LOCKS MENU
 ⊙ :SELECT   ENTER :CLEAR
```

➡

```
          CH LOCK
CH INPUT              ---

     12    18    33
    ---   ---   ---
    ---   ---   ---
              TV CABLE
 CLEAR ALL
 LOCKS MENU
 ⊙ :SELECT   ENTER :CLEAR
```

3. Repeat step 2 for other channels.

To unlock all locked channels at once:

Press ▲ or ▼ to highlight CLEAR ALL, and then press ENTER.

```
          CH LOCK
CH INPUT                  ---

     ---   ---   ---
     ---   ---   ---
     ---   ---   ---
              TV CABLE
 CLEAR ALL
 LOCKS MENU
 ⊙ :MOVE   ENTER :START
```

▲▼◀ ▶

ENTER

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Locking the video inputs

With the VIDEO LOCK feature, you can lock the input sources (Video 1, Video 2, Video 3, ColorStream HD1, ColorStream HD2, HDMI) and channels 3 and 4.
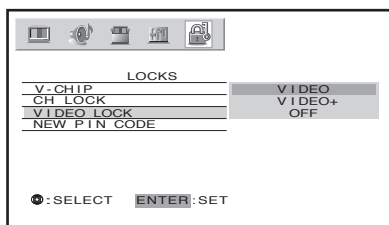
You will not be able to select the input sources with the TV/VIDEO button or Channel buttons unless you clear the setting.

To set up the video lock:

1. From the LOCKS menu, press ▲ or ▼ to highlight VIDEO LOCK, then press ENTER.

2. Press ▲ or ▼ to highlight the level of video locking you want (Video, Video+, or Off), as follows:

   VIDEO : Locks Video 1, Video 2, Video 3, ColorStream HD1/HD2, and HDMI.

   VIDEO+ : Locks Video 1, Video 2, Video 3, ColorStream HD1/HD2, HDMI, and channels 3 and 4. This option should be used if you use the antenna terminal to play a video tape.

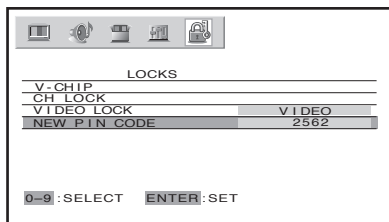   **Note:** *Make sure the POP is not on channel 3 or 4.*

   OFF : Unlocks all video input sources.

```
                    LOCKS
   V-CHIP                      VIDEO
   CH LOCK                     VIDEO+
   VIDEO LOCK                  OFF
   NEW PIN CODE


   ⊙:SELECT    ENTER:SET
```
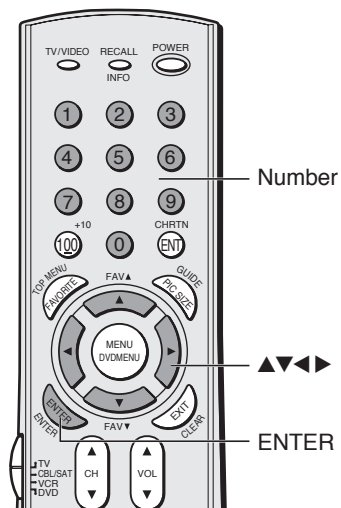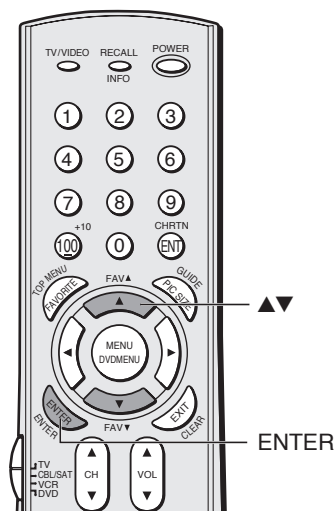
3. Press ENTER.

Changing the PIN code

1. From the LOCKS menu, press ▲ or ▼ to highlight NEW PIN CODE.

2. Press the Number buttons (0–9) to enter a 4-digit code. The numbers you enter will replace the dashes in the display.

```
                    LOCKS
   V-CHIP
   CH LOCK
   VIDEO LOCK                  VIDEO
   NEW PIN CODE                2562


   0–9:SELECT    ENTER:SET
```

3. Press ENTER.
   The new PIN code is now active.

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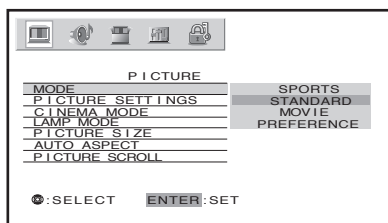Appendix

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Adjusting the picture

Selecting the picture mode

You can select your desired picture type from four picture modes: Sports, Standard, Movie, and Preferences.

Mode	Picture Quality
Sports	Bright and dynamic picture (factory setting)
Standard	Standard picture setting (factory setting)
Movie	Movie-like picture setting (factory setting)
Preference	Your personal preferences*

*(see "Saving your new preferences" on page 44.)

To select the picture mode:

1. Press MENU, and then press ◄ or ► until the PICTURE menu appears.
2. Press ▼ or ▲ to highlight MODE, and then press ENTER.
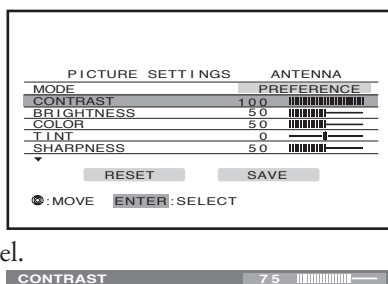3. Press ▼ or ▲ to select the mode you prefer, then press ENTER.

```
             PICTURE
MODE                       SPORTS
PICTURE SETTINGS           STANDARD
CINEMA MODE                MOVIE
LAMP MODE                  PREFERENCE
PICTURE SIZE
AUTO ASPECT
PICTURE SCROLL

⊙:SELECT       ENTER:SET
```

Adjusting the picture quality

You can adjust the picture quality to your personal preferences, including the contrast, brightness, color, tint, sharpness, and color temperature.

Selection	◄	Pressing	►
contrast	lower		higher
brightness	darker		lighter
color	paler		deeper
tint	reddish		greenish
sharpness	softer		sharper
color temperature	cool	medium	warm

To adjust the picture quality:

1. Press MENU, and then press ◄ or ► until the PICTURE menu appears.
2. Press ▼ or ▲ to highlight PICTURE SETTINGS, then press ENTER.
   The PICTURE SETTINGS menu appears.
3. Press ▲ or ▼ until the item you want to adjust is highlighted, then press ENTER.
4. Press ◄ or ► to adjust the level.

```
     PICTURE SETTINGS     ANTENNA
MODE                      PREFERENCE
CONTRAST          100  ▐▐▐▐▐▐▐▐▐▐▐▐
BRIGHTNESS         50  ▐▐▐▐▐▐▐
COLOR              50  ▐▐▐▐▐▐▐
TINT                0  ——▮——
SHARPNESS          50  ▐▐▐▐▐▐▐

        RESET          SAVE

⊙:MOVE   ENTER:SELECT
```

```
CONTRAST                    75  ▐▐▐▐▐▐▐▐▐▐▐——
```

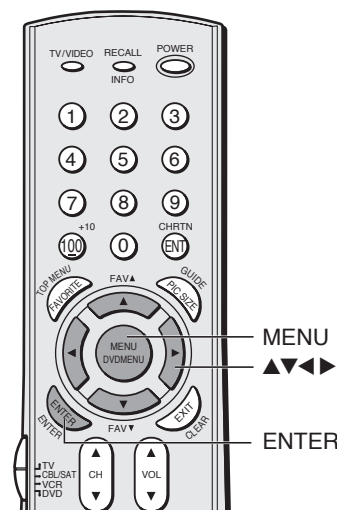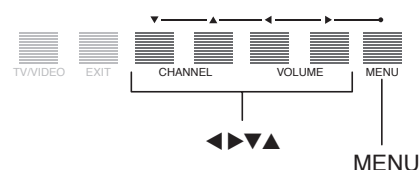The PICTURE qualities you adjusted can be saved in the TV's memory (see page 44).
You can keep these settings or choose factory set options, as described under "Selecting the picture mode" above.

Note:

If you select one of the factory-set picture modes (SPORTS, STANDARDS, or MOVIE) and then change a picture quality setting (for example, increase the contrast), the picture mode automatically changes to PREFERENCE in the Picture menu.

To save your new picture quality settings, you must select SAVE before closing the Picture menu or the TV will return to the previous picture mode. See "Saving your new preferences" on page 44.

Control touchpad on TV front

```
TV/VIDEO   EXIT   CHANNEL   VOLUME   MENU

                 ◄►▼▲              MENU
```

MENU
▲▼◄►

ENTER

Saving your new preferences

You can save the PICTURE qualities you adjusted (contrast, brightness, color, tint, sharpness, color temperature and CableClear DNR) in the picture PREFERENCE mode.
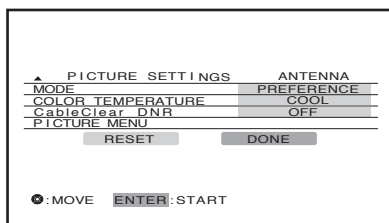
To save your new preferences:

1. Press MENU, and then press ◄ or ► until the PICTURE menu appears.

2. Press ▲ or ▼ to highlight PICTURE SETTINGS, and then press ENTER.

   The PICTURE SETTINGS menu appears.

3. Press ▲▼◄► to highlight SAVE, and then press ENTER.

   When complete, SAVE changes to "DONE."

```
▲   PICTURE SETTINGS      ANTENNA
MODE                    PREFERENCE
COLOR  TEMPERATURE         COOL
CableClear  DNR            OFF
PICTURE MENU
        RESET           DONE


◉:MOVE   ENTER:START
```

The picture mode automatically changes to PREFERENCE (see "Selecting the picture mode" on page 43).
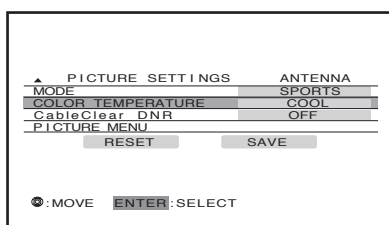
Selecting the color temperature

You can change the quality of the picture by selecting from three preset color temperatures: cool, medium, and warm.

To select the color temperature:

1. Press MENU, and then press ◄ or ► until the PICTURE menu appears.

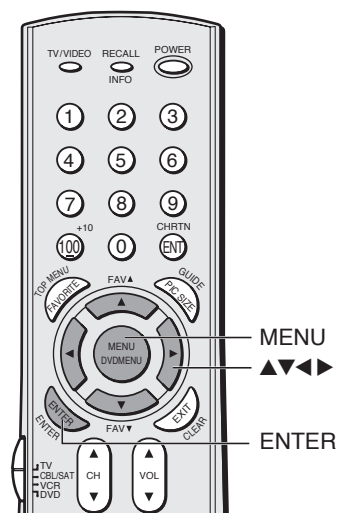2. Press ▲ or ▼ to highlight PICTURE SETTINGS, and then press ENTER.

   The PICTURE SETTINGS menu appears.

3. Press ▲ or ▼ to highlight COLOR TEMPERATURE, and then press ENTER.

```
▲   PICTURE SETTINGS      ANTENNA
MODE                      SPORTS
COLOR  TEMPERATURE         COOL
CableClear  DNR            OFF
PICTURE MENU
        RESET           SAVE


◉:MOVE   ENTER:SELECT
```

4. Press ◄ or ► to select the mode you prefer.

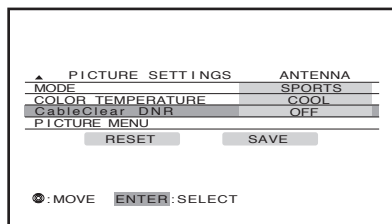| Mode	Picture Quality
cool	bluish
medium	neutral
warm	reddish

MENU
▲▼◄►

ENTER

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Using the CableClear™ DNR feature

CableClear™ DNR reduces visible interference in your TV picture. This is useful when receiving a broadcast with a weak signal (especially a Cable channel) or playing a video cassette or disc damaged by repeated use.

To turn on CableClear™ DNR:

1. Press MENU, and then press ◄ or ► until the PICTURE menu appears.

2. Press ▲ or ▼ to highlight PICTURE SETTINGS, and then press ENTER.

    The PICTURE SETTINGS menu appears.

3. Press ▲ or ▼ to highlight CableClear DNR, and then press ENTER.

```
  ▲   PICTURE SETTINGS    ANTENNA
MODE                       SPORTS
COLOR TEMPERATURE          COOL
CableClear DNR             OFF
PICTURE MENU
        RESET           SAVE


  ⊕:MOVE   ENTER:SELECT
```

4. Press ◄ or ► to select AUTO.

To turn off CableClear DNR:

    Select OFF in step 4 above.
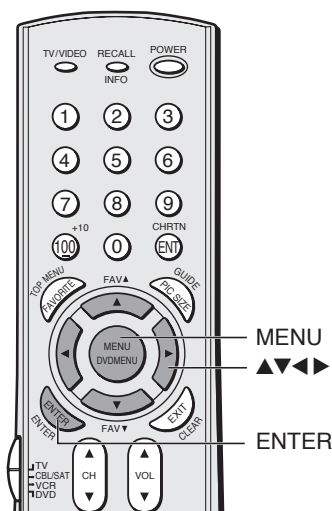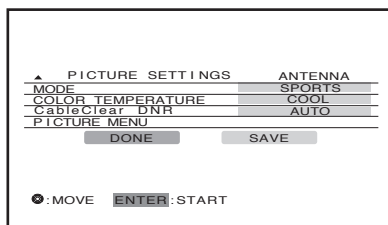
Resetting picture adjustments

The RESET function adjusts the picture qualities to the following factory settings:

Mode	sports	Tint	center (0)
Contrast	max (100)	Sharpness	center (50)
Brightness	center (50)	Color temperature	cool
Color	center (50)	CableClear DNR	auto

To reset the picture adjustments:

1. Press MENU, and then press ◄ or ► until the PICTURE menu appears.

2. Press ▲ or ▼ to highlight PICTURE SETTINGS, and then press ENTER. The PICTURE SETTINGS menu appears.

3. Press ▲ or ▼ to highlight RESET.

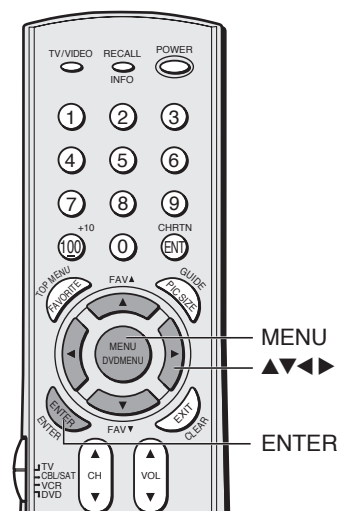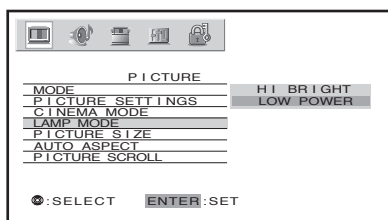4. Press ENTER until the RESET changes to "DONE."

```
  ▲   PICTURE SETTINGS    ANTENNA
MODE                       SPORTS
COLOR TEMPERATURE          COOL
CableClear DNR             AUTO
PICTURE MENU
        DONE            SAVE


  ⊕:MOVE   ENTER:START
```

Note:

- *When in ColorStream or HDMI mode, "CableClear DNR" will change to "DNR" in the menu.*

- *DNR is not selectable in the HDMI mode.*

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Selecting the Lamp mode

You can select either the HI BRIGHT or LOW POWER mode. The HI BRIGHT mode is useful for situations where additional picture brightness is desired (such as in a room with bright lighting). The LOW POWER mode reduces wear on the projection lamp. Using this mode should result in longer lamp life. See "Lamp unit replacement" on page 56.

1. Press MENU, and then press ◄ or ► until the PICTURE menu appears.

2. Press ▲ or ▼ to highlight LAMP MODE, and then press ENTER.

3. Press ▲ or ▼ to select HI BRIGHT or LOW POWER, whichever you prefer.

```
                P I CTURE
MODE                       HI  BRIGHT
P ICTURE  SETT INGS        LOW  POWER
C INEMA  MODE
LAMP  MODE
P ICTURE  S IZE
AUTO  ASPECT
P ICTURE  SCROLL

  :SELECT      ENTER :SET
```

MENU
▲▼◄►
ENTER

Selecting the cinema mode

When you view a DVD movie (3:2 pulldown processed) from a DVD player connected to the ColorStream (component video) inputs on the TV, smoother and more natural motion can be obtained by setting the CINEMA MODE to FILM.

To set the CINEMA MODE to FILM:

1. Press MENU, and then press ◄ or ► until the PICTURE menu appears.

2. Press ▲ or ▼ to highlight CINEMA MODE, and then press ENTER.
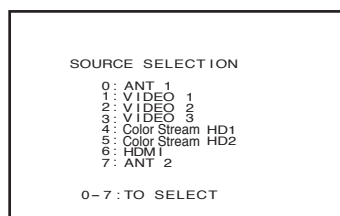
3. Press ▲ or ▼ to select FILM.

```
                P I CTURE
MODE                       F I LM
P ICTURE  SETT INGS        V I DEO
C INEMA  MODE
LAMP  MODE
P ICTURE  S IZE
AUTO  ASPECT
P ICTURE  SCROLL

  :SELECT      ENTER :SET
```
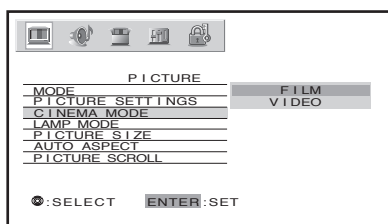
To set the CINEMA MODE to VIDEO (off):

Press ▲ or ▼ to select VIDEO in step 3 above.

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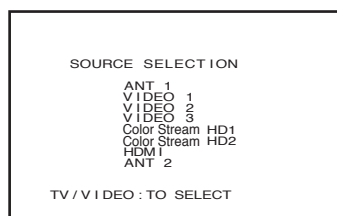Setting up your TV

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Selecting the video input source

Press TV/VIDEO on the remote control or TV to view a signal from another device connected to your TV, such as a VCR or DVD player. You can select ANT 1, VIDEO 1, VIDEO 2, VIDEO 3, ColorStream HD1, ColorStream HD2, HDMI, or ANT 2 depending on which input jacks are used for connecting the devices (see "Connecting your TV" on page 8).

```
        SOURCE SELECTION
    0 : ANT 1
    1 : V I DEO 1
    2 : V I DEO 2
    3 : V I DEO 3
    4 : Color Stream HD1
    5 : Color Stream HD2
    6 : HDM I
    7 : ANT 2

    0 – 7 : TO SELECT
```

Pressing TV/VIDEO on the remote control displays the current signal source (press TV/VIDEO again or 0–7 to change)

```
        SOURCE SELECTION
        ANT 1
        V I DEO 1
        V I DEO 2
        V I DEO 3
        Color Stream HD1
        Color Stream HD2
        HDM I
        ANT 2

    TV / V I DEO : TO SELECT
```

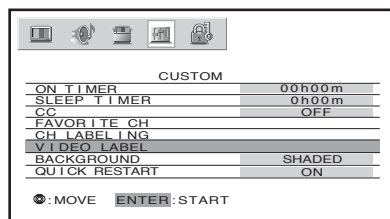*Pressing TV/VIDEO on the TV changes the current signal source*

Labeling the video input sources

The video label feature allows you to label each input source for your TV from the following preset list of labels:
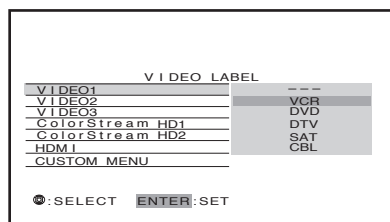
– – – : Uses the default label name
VCR : Video cassette recorder
DVD : DVD video
DTV : Digital TV set-top box
SAT : Satellite box
CBL : Cable box

To label the video input sources:

1. Press MENU, and then press ◄ or ► until the CUSTOM menu appears.

2. Press ▲ or ▼ to highlight VIDEO LABEL.

```
                CUSTOM
    ON T I MER              00h00m
    SLEEP T I MER           0h00m
    CC                      OFF
    FAVOR I TE CH
    CH LABEL I NG
    V I DEO LABEL
    BACKGROUND              SHADED
    QU I CK RESTART         ON

    ●:MOVE   ENTER :START
```

3. Press ENTER to display the VIDEO LABEL menu.

4. Press ▲ or ▼ to highlight the video source you want to label and then press ENTER.

5. Press ▲ or ▼ to select the desired label for that input source.

```
                V I DEO LABEL
    V I DEO1                 – – –
    V I DEO2                 VCR
    V I DEO3                 DVD
    ColorStream HD1          DTV
    ColorStream HD2          SAT
    HDM I                    CBL
    CUSTOM MENU

    ●:SELECT   ENTER :SET
```
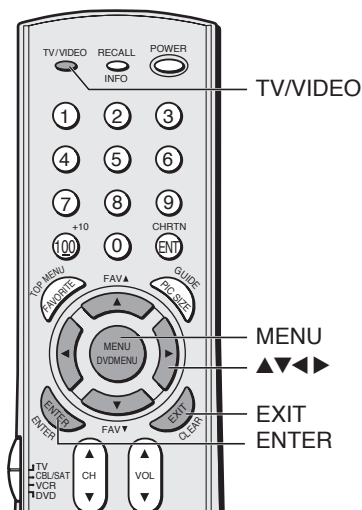
6. Finish labeling the other video sources as desired. To return to the previous menu, press ▲ or ▼ to highlight CUSTOM MENU, and then press ENTER.

7. To exit the menu, press EXIT.

Note:

• *When ColorStream HD 1 or HD 2 is selected, the VIDEO OUT jack does not output a signal. To receive a VIDEO OUT signal, use a standard video or S-video IN connection instead of the ColorStream connection.*

• *In POP double-window mode, the main window will display 480i signals only. If you select ColorStream HD1 or ColorStream HD2 while the POP picture is active, the message "Not Available" will display.*

⚠ **NEVER CONNECT THIS TV TO A PERSONAL COMPUTER (PC).**
THIS TV IS NOT INTENDED FOR USE WITH A PC.

Control touchpad on TV front

TV/VIDEO   EXIT   CHANNEL   VOLUME   MENU
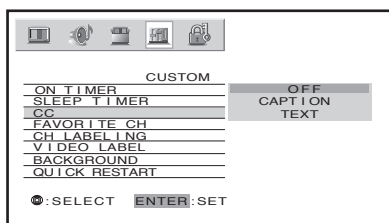
TV/VIDEO

TV/VIDEO

MENU
▲▼◄ ►

EXIT
ENTER

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Using the closed caption feature

The closed caption feature has two options:
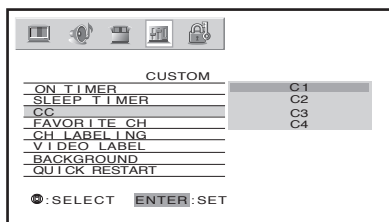
- Captions—An on-screen display of the dialogue, narration, and sound effects of TV programs and videos that are closed captioned (usually marked as "CC" in TV listings).
- Text—An on-screen display of information not related to the current program, such as weather or stock data (when provided by individual stations).

To view captions or text:

1. Tune the TV to the desired program.
2. Press MENU, and then press ◀ or ▶ to display CUSTOM menu.
3. Press ▲ or ▼ to highlight CC, and then press ENTER.

```
                CUSTOM
ON  TIMER                    OFF
SLEEP  TIMER              CAPTION
CC                          TEXT
FAVORITE  CH
CH  LABELING
VIDEO  LABEL
BACKGROUND
QUICK  RESTART

◉:SELECT    ENTER:SET
```

4. Press ▲ or ▼ to highlight CAPTION or TEXT, and then press ENTER.

```
                CUSTOM
ON  TIMER                    C1
SLEEP  TIMER                 C2
CC                           C3
FAVORITE  CH                 C4
CH  LABELING
VIDEO  LABEL
BACKGROUND
QUICK  RESTART

◉:SELECT    ENTER:SET
```

- To view captions, highlight C1, C2, C3, or C4 (C1 displays translation of the primary language in your area).

  Note: If the program or video you selected is not closed captioned, no captions will display on the screen.

```
Giant pandas eat leaves.
```

- To view text, highlight T1, T2, T3, or T4.

  Note: If text is not available in your area, a black rectangle may appear on your screen. If this happens, turn the Closed Caption feature OFF.

```
WORLD WEATHER
                Temps        Current
                F    C       Weather
LONDON         51   11       Clear
MOSCOW         57   14       Cloudy
PARIS          53   12       Clear
ROME           66   19       Cloudy
TOKYO          65   18       Rain
```
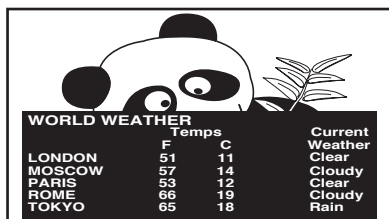
To turn off the Closed Caption feature:

Highlight OFF in step 4.

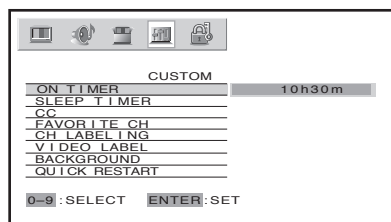MENU

▲▼◀▶

ENTER
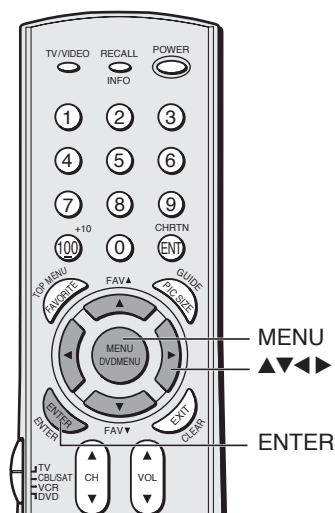
Note:

A closed caption signal may not display in the following situations:

- *when a videotape has been dubbed*
- *when the signal reception is weak*
- *when the signal reception is nonstandard*

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Setting the ON timer

To set the ON timer to turn on the TV automatically:

1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight ON TIMER, and then press ENTER.
3. Press the Number buttons (0–9) to enter the length of time until the TV turns on automatically.
   You can set the ON timer in 10-minute increments, up to 12h00m.
4. Press ENTER.

```
              CUSTOM
ON  TIMER              10h30m
SLEEP  TIMER
CC
FAVORITE  CH
CH  LABELING
VIDEO  LABEL
BACKGROUND
QUICK  RESTART

0–9 : SELECT    ENTER : SET
```

5. Press POWER to turn off the TV. (The ON timer will start.)
   The TV will turn on automatically after the length of time you set in the ON Timer.

Setting the sleep timer

To set the sleep timer to turn off the TV automatically:

1. Press SLEEP to set the length of time until the TV turns off.

```
                 TIMER
                 0h00m
```
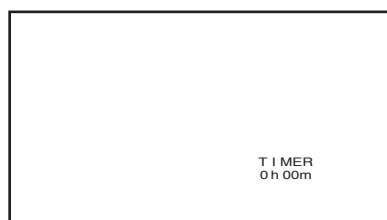
Every time you press the button, the time display will increase by 10 minutes, up to 3 hours.

0h00m → 0h10m → 0h20m − − − − → 2h50m → 3h00m → 0h00m

To cancel the sleep timer:
Press SLEEP until it is set to 0h00m.

The timer also can be set using the on-screen menu:

1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight SLEEP TIMER, and then press ENTER.
3. Press the Number buttons (0–9) to enter the length of time until the TV turns off automatically.
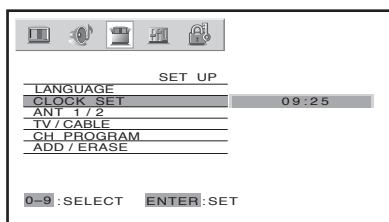4. Press ENTER to start the timer.

```
              CUSTOM
ON  TIMER
SLEEP  TIMER           2h00m
CC
FAVORITE  CH
CH  LABELING
VIDEO  LABEL
BACKGROUND
QUICK  RESTART

0–9 : SELECT    ENTER : SET
```

POWER

Number

MENU
▲▼◀▶

ENTER
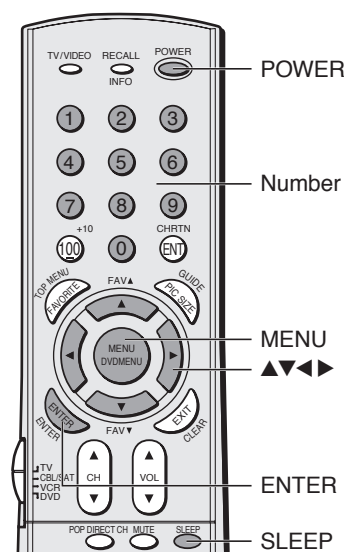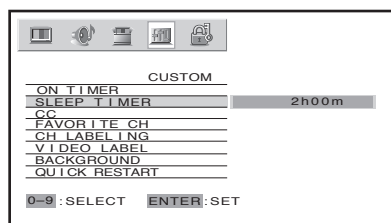
SLEEP

Note :

- *When an instant power failure occurs, the ON timer and sleep timer settings may be cleared.*
- *To display the amount of time left until the TV turns on or off automatically, press RECALL.*

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## Setting the clock

To set the clock:

1. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.

2. Press ▲ or ▼ to highlight CLOCK SET, and then press ENTER.

3. Press the Number buttons (0–9) to enter the correct time. The clock operates on a 24-hour cycle.

4. Press ENTER to start the clock.

```
                    SET  UP
        LANGUAGE
        CLOCK  SET                09 : 25
        ANT  1 / 2
        TV / CABLE
        CH  PROGRAM
        ADD / ERASE


        0–9 :SELECT    ENTER :SET
```

To display the time on-screen:

Press RECALL.

Note :

If the TV's power source is interrupted (the power cord is unplugged or a power failure occurs), the clock must be reset.

RECALL

Number

MENU
▲▼◀▶

ENTER

50
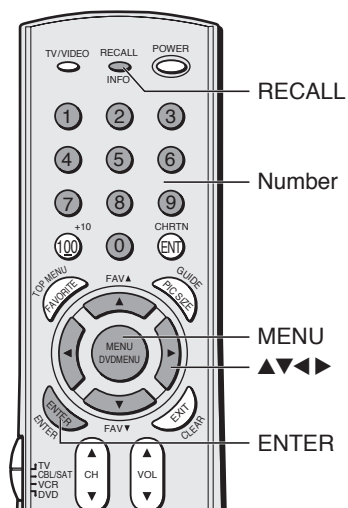
Adjusting the sound

Muting the sound

Press MUTE to temporarily reduce (1/2 MUTE) or turn off (MUTE) the sound. While the sound is off, the screen will display "1/2 MUTE" or "MUTE" in the lower right corner. Every time you press mute, the mute mode will change in the following order.

→ Normal → 1/2 MUTE → MUTE ⌐

When you select "MUTE" mode, the closed caption feature is automatically activated. To deactivate this feature, deactivate MUTE. This feature works only when the closed caption mode is set to OFF. See "Using the closed caption feature" on page 48 for more information.

Selecting stereo/SAP broadcasts

The multi-channel TV sound (MTS) feature allows you to listen to high-fidelity stereo sound while watching TV. MTS can also transmit a second audio program (SAP) containing a second language, music, or other audio information (when provided by individual stations).

When the TV receives a stereo or SAP broadcast, the word STEREO or SAP appears on-screen every time the TV is turned on, the channel is changed, or the RECALL button is pressed.

The MTS feature is not available when the TV is in VIDEO mode.

To listen to stereo sound:

1. Press MENU, and then press ◄ or ► until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight MTS, and then press ENTER.
3. Press ▲ or ▼ to highlight STEREO, and then press ENTER.
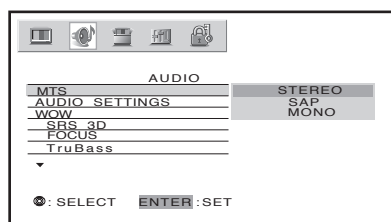
You can leave your TV in STEREO mode because it will automatically output the type of sound being broadcast (stereo or monaural). The word "STEREO" or "SAP" displays in yellow in the menu when the TV receives the signal.

If the stereo sound is noisy, select MONO to reduce the noise.

To listen to SAP (if available):

1. Press MENU, and then press ◄ or ► until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight MTS, and then press ENTER.
3. Press ▲ or ▼ to highlight SAP, and then press ENTER. You will hear the station's second audio program (if available) from the speakers, while viewing the original program's picture (see note at right).

RECALL

MENU

▲▼◄►

ENTER

MUTE

Control touchpad on TV front

TV/VIDEO   EXIT   CHANNEL   VOLUME   MENU

◄►▼▲

MENU
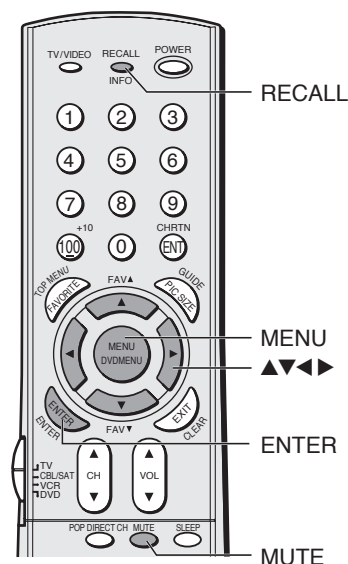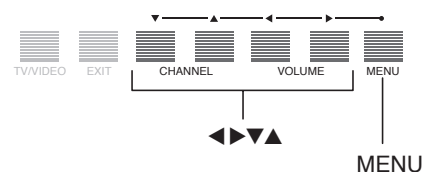
Note :

A second audio program (SAP) can be heard only on those TV stations that offer it.

For example, a station might broadcast music as a second audio program. If you have SAP on, you will see the current program on the screen but hear music instead of the program's normal audio.

However, if you have SAP on and the station you are watching is not currently broadcasting a second audio program, the station's normal audio will be output.
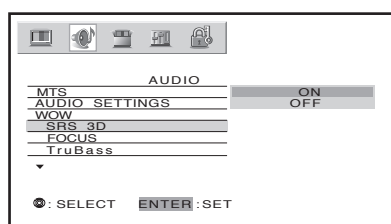
Occasionally there is no sound at all in SAP mode. If this happens, set the MTS feature to STEREO mode.

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Using the WOW™ surround sound feature

WOW is a special combination of SRS Labs audio technologies that creates a thrilling surround sound experience with deep, rich bass from stereo sound sources. Your TV's audio will sound fuller, richer, and wider. WOW consists of three features: SRS3D, FOCUS, and TruBass.

To adjust the WOW feature:

1. Select STEREO mode (see "selecting stereo/SAP broadcasts" on page 51).

2. Press MENU, and then press ◄ or ► until the AUDIO menu appears.

3. Press ▲ or ▼ to highlight the desired WOW feature you want to adjust, then press ENTER.

   • SRS 3D — To turn on or off the surround sound effect.

   • FOCUS — To turn on or off the vocal emphasis effect.

   • TruBass — To select your desired bass expansion level (HIGH, LOW or OFF).

```
┌─────────────────────────────────────┐
│  ▭   ▦   ▭   ▦   ▦                   │
│                                      │
│             AUDIO                    │
│   MTS                      ON        │
│   AUDIO SETTINGS           OFF       │
│   WOW                                │
│     SRS 3D                           │
│     FOCUS                            │
│     TruBass                          │
│   ▾                                  │
│                                      │
│   ⦿: SELECT    ENTER : SET           │
└─────────────────────────────────────┘
```

4. Press ▲ or ▼ to adjust the item, then press ENTER.

Adjusting the sound quality

You can change the quality of your TV's sound by adjusting the bass, treble, and balance.

To adjust the sound quality:

1. Press MENU, and then press ◄ or ► until the AUDIO menu appears.

2. Press ▲ or ▼ to highlight AUDIO SETTINGS, and then press ENTER.

   The AUDIO SETTINGS menu appears.

```
┌─────────────────────────────────────┐
│                                      │
│          AUDIO SETTINGS              │
│   BASS            70   ▐▌▌▌▌▌▌───     │
│   TREBLE          50   ▐▌▌▌▌────      │
│   BALANCE          0   ───▌───        │
│   RESET                              │
│   AUDIO MENU                         │
│                                      │
│   ⦿: MOVE   ⦿: ADJUST                │
└─────────────────────────────────────┘
```
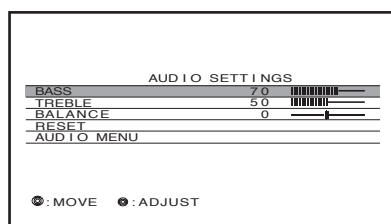
3. Press ▲ or ▼ to highlight the item you want to adjust.

4. Press ◄ or ► to adjust the level.

   • ◄ makes the sound quality weaker or increases the balance in the left channel, depending on the item selected.

   • ► makes the sound quality stronger or increases the balance in the right channel, depending on the item selected.

Note:

If the broadcast is monaural, the WOW SRS 3D surround sound effect will not work.
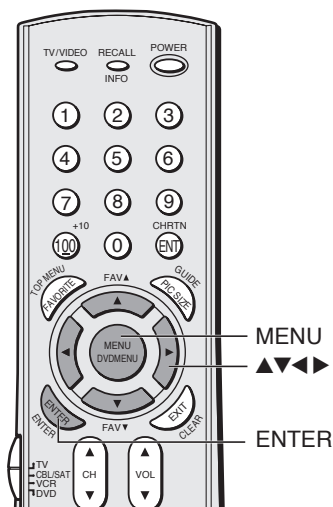
MENU

▲▼◄►

ENTER

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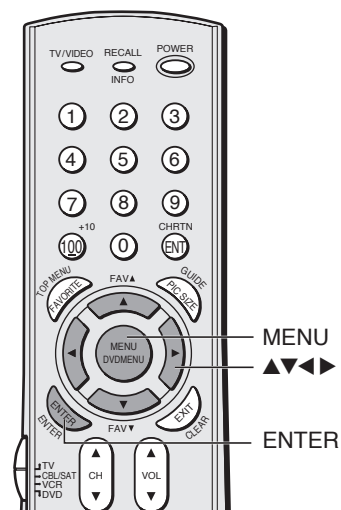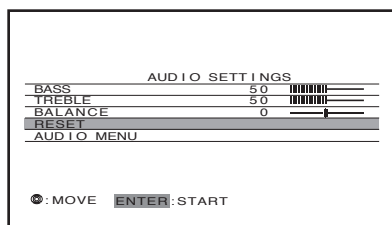
Resetting your audio adjustments

The RESET function returns your audio adjustments to the following factory settings:

Bass .... center (50)

Treble .... center (50)

Balance .... center (0)

To reset your audio adjustments:

1. Press MENU, and then press ◄ or ► until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight AUDIO SETTINGS, and then press ENTER. The AUDIO SETTINGS menu appears.
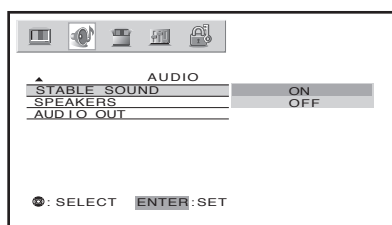3. Press ▲ or ▼ to highlight RESET, and then press ENTER.

```
              AUDIO SETTINGS
    BASS              50  ▐▌▌▌▌▌▌▌▌▌▌
    TREBLE            50  ▐▌▌▌▌▌▌▌▌▌▌
    BALANCE            0  ──────┼──────
    RESET
    AUDIO MENU



    ◉:MOVE   ENTER:START
```

Using the StableSound® feature

When the signal source is changed, the StableSound feature limits the highest volume level to prevent extreme changes in volume (for example, to prevent the sudden increase in volume that often happens when a TV program switches to a commercial).

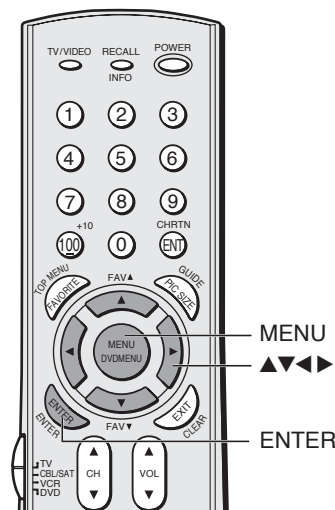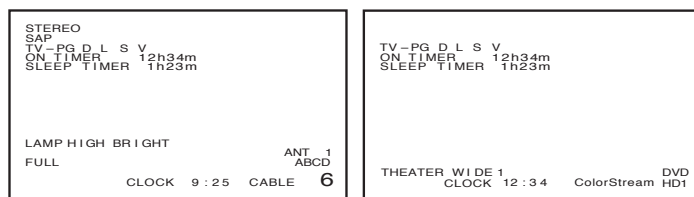To turn on the StableSound feature:

1. Press MENU, and then press ◄ or ► until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight STABLE SOUND, and then press ENTER.
3. Press ▲ or ▼ to select ON, and then press ENTER.

```
    ▣  ▨  ▦  ▥  ▧

              AUDIO
    ▲
    STABLE  SOUND           ON
    SPEAKERS                OFF
    AUDIO  OUT



    ◉: SELECT   ENTER:SET
```

To turn off the StableSound feature:

Select OFF in step 3 above.

MENU

▲▼◄►

ENTER

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(E) 62HM14

Turning off the built-in speakers

Use this feature to turn off the TV speakers when you connect an audio system (see "Connecting an audio system" on page 16).

To turn off the built-in speakers:

1. Press MENU, then press ◄ or ► until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight SPEAKERS, and then press ENTER.
3. Press ▲ or ▼ to select OFF, and then press ENTER.

```
                    AUDIO
  STABLE  SOUND              ON
  SPEAKERS                   OFF
  AUD I O  OUT


  ⊙: SELECT    ENTER:SET
```
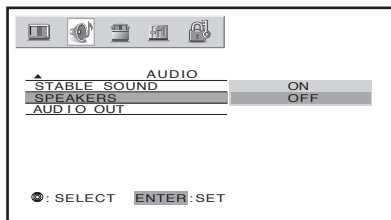
To turn on the built-in speakers:

Select ON in step 3 above.

Selecting the AUDIO OUT sound

This feature allows you to select the sound source (MAIN or POP) that is output from the AUDIO OUT terminals (for example, see "Connecting two VCRs" on page 14).

This is useful when amplifying or recording the POP sound with external equipment while listening to the sound of the main picture through the TV's speakers.

To select the AUDIO OUT sound:

1. Press MENU, and then press ◄ or ► until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight AUDIO OUT, and then press ENTER.
3. Press ▲ or ▼ to select MAIN or POP, and then press ENTER.

```
                    AUDIO
  STABLE  SOUND              MA I N
  SPEAKERS                   POP
  AUD I O  OUT


  ⊙: SELECT    ENTER:SET
```
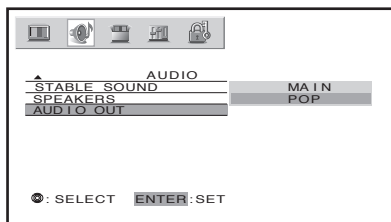
• MAIN: Outputs the sound of the main (left window) program through the AUDIO OUT terminals.
• POP: Outputs the sound of the POP (right window) program through the AUDIO OUT terminals.

MENU
▲▼◄►

ENTER

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Selecting the background of the menu display

You can change the background of the menu display by selecting from two preset types: shaded and solid (gray).

To select the background:

1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight BACKGROUND, and then press ENTER.
3. Press ▲ or ▼ to select either a SHADED or SOLID background, and then press ENTER.

```
                    CUSTOM
     ON  TIMER                    SHADED
     SLEEP  TIMER                 SOLID
     CC
     FAVORITE  CH
     CH  LABELING
     VIDEO  LABEL
     BACKGROUND
     QUICK  RESTART

     ◉ : SELECT    ENTER : SET
```

RECALL

MENU
▲▼◀▶

ENTER
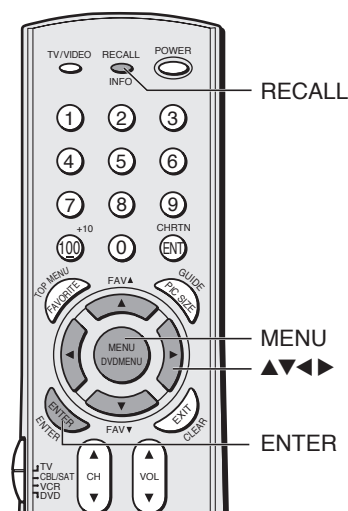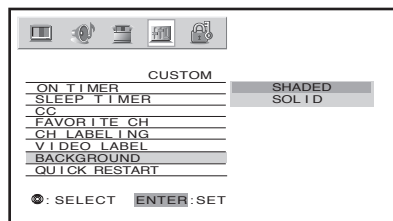
Displaying on-screen information

Press RECALL to display the following information on-screen:

- Antenna mode (when in TV mode)
- Channel number or VIDEO mode selected
- Time (if set)
- Remaining time of ON/SLEEP timer (if set)
- Channel label (if set)
- Video label (when in video mode)
- Stereo or SAP audio status
- V-CHIP rating status
- Picture size
- Lamp mode selected (when in the HI BRIGHT mode)

```
STEREO
SAP
TV-PG D L S V
ON TIMER    12h34m
SLEEP TIMER  1h23m




LAMP HIGH BRIGHT
FULL                        ANT  1
                            ABCD
          CLOCK  9:25  CABLE  6
```

```
TV-PG D L S V
ON TIMER    12h34m
SLEEP TIMER  1h23m





THEATER WIDE 1                    DVD
        CLOCK 12:34   ColorStream HD1
```

Understanding the auto power off feature

The TV will automatically turn itself off after approximately 15 minutes if it is tuned to a vacant channel or a station that completes its broadcast for the day. This feature does not work in VIDEO mode.

Understanding the last mode memory feature

If the power is cut off while you are viewing the TV, the Last Mode Memory feature turns on the TV automatically when the power is resupplied.

If the power is going to be off for a long time and you are going to be away from your TV, unplug the power cord to prevent the TV from turning on in your absence.

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Appendix

Lamp unit replacement (User–replaceable component)

The light source for this TV is a mercury lamp with internal atmospheric pressure that increases during use. The lamp has a limited service life that varies depending on product use and user settings. As is generally the case with all projection TVs that use projection lamps as a light source, the brightness of the lamp in this TV may vary somewhat over the expected service life and will generally decrease over time. The average useful service life for the lamp is approximately 8,000 hours in LOW POWER mode or 6,000 hours in HI BRIGHT mode. See "Selecting the Lamp mode" on page 46 for information on switching the lamp mode. Because these are averages, some lamps will require earlier replacement.

If you use the lamp beyond its service life:

- you may notice a reduction in the colors and/or brightness of the picture; and

- the strength of the quartz glass in the lamp will be reduced and the lamp may rupture (often making a loud noise when this happens). If the lamp ruptures, the TV will not operate until the lamp unit is replaced.

> *Note:* *The lamp unit is designed so broken lamp glass remains securely inside the lamp unit.*

> ⚠ **CAUTION: Always handle the lamp unit with care.** The lamp unit in this TV was designed for safe replacement by consumers; however, if the lamp unit is subjected to intentional abuse (such as excessive mechanical abuse or handling by children), the unit may break, exposing sharp edges or pinch points.

When to replace the lamp unit

You should replace the lamp unit:

- if the picture darkens and/or colors fade;
- if the screen (lamp) does not light (LED Indication 3); or
- if you hear a loud noise and the picture goes black, which may indicate a lamp rupture (LED Indication 3). See "LED indications" on page 60.

To obtain a replacement lamp unit:

	Web	Contact
In warranty	**www.tacp.toshiba.com/service**	Call toll-free 1-800-631-3811.
Out of warranty	**www.ceaccessories.toshiba.com**	Consult your consumer electronics dealer for availability.

Use the replacement lamp unit model listed below only. Using any other lamp may cause damage to the TV and/or lamp.

> ⚠ **CAUTION: Always replace with same type lamp unit: Model No. TB25-LMP (Stock no. 23311083)**

> ⚡ ⚠ **WARNING: RISK OF ELECTRIC SHOCK!**
> TO REDUCE THE RISK OF ELECTRIC SHOCK, **NEVER REMOVE TV COVERS, EXCEPT AS SPECIFIED HEREIN.** REFER ALL SERVICING NOT SPECIFIED IN THIS MANUAL TO QUALIFIED SERVICE PERSONNEL. Failure to follow this WARNING may result in death or serious injury.

Note :

The lamp is warranted only for the periods and to the extent set forth in the Limited Warranty applicable to this set, which is a substantially shorter period of time than the average useful service period. See "Limited United States Warranty" on page 62.

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How to replace the lamp unit

Required tool: Manual Phillips screwdriver; gloves.
Optional tool: 5/32" or 4mm Allen wrench.

1. Turn off the TV and unplug the power cord.

> ⚠ **WARNING: Eye damage may result from directly viewing the light produced by this lamp.** Always turn off the TV and unplug the power cord before opening the lamp unit door.

**2**. **STOP! Allow the lamp to cool for at least one (1) hour before replacing it.**

> ⚠ **CAUTION: HOT SURFACE** ⚠ The temperature of the lamp immediately after use exceeds 392°F (200°C). Touching the lamp before it has cooled will result in severe burns. **ALLOW THE LAMP TO COOL FOR AT LEAST ONE (1) HOUR BEFORE REPLACING IT.**

3. On the lamp unit door on the side of the TV, loosen the thumb screw by hand or by using a 5/32" or 4mm Allen wrench, and then remove the lamp unit door.

TV back

Thumb screw

Lamp unit door detail
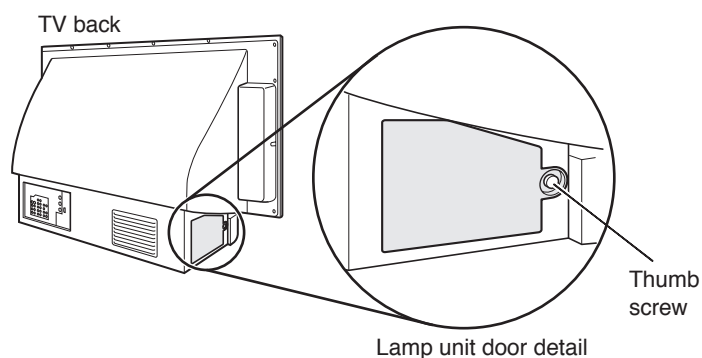
> ⚡ ⚠ **WARNING: RISK OF ELECTRIC SHOCK!** The lamp unit door is provided with an interlock to reduce the risk of electric shock and excessive ultraviolet radiation. **Never defeat its purpose or attempt to service without removing the lamp unit door completely.** Failure to follow this WARNING may result in death or serious injury.

4. Using a manual Phillips screwdriver, loosen the two screws on the lamp unit.

Lamp unit screws
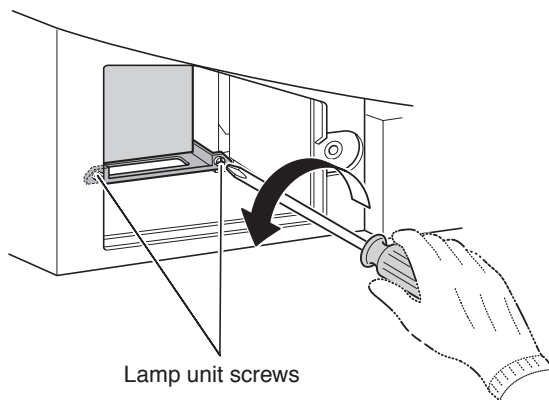
(Continued on next page)

> ⚡ **WARNING: RISK OF ELECTRIC SHOCK!** ⚠
> TO REDUCE THE RISK OF ELECTRIC SHOCK, **NEVER REMOVE TV COVERS, EXCEPT AS SPECIFIED HEREIN.** REFER ALL SERVICING NOT SPECIFIED IN THIS MANUAL TO QUALIFIED SERVICE PERSONNEL. Failure to follow this WARNING may result in death or serious injury.

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How to replace the lamp unit (continued)

5. Grasp the lamp unit handle and gently pull the lamp unit straight out of the TV. Set the old lamp unit aside (see "Lamp unit disposal" on page 60).

Wear gloves when replacing the lamp unit.
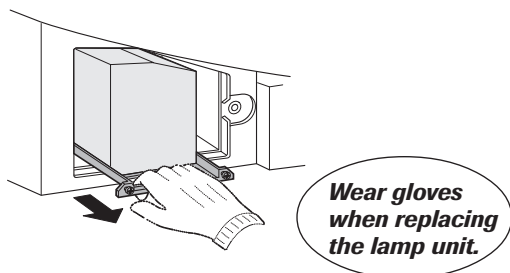
6. Carefully insert the new lamp unit straight into the TV until it is fully seated.
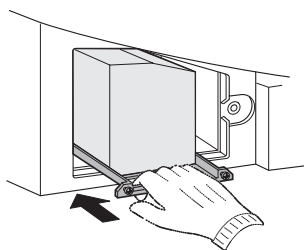
Note :
- *Never subject the lamp unit to excessive shock.*
- *Never touch the lamp unit glass or otherwise get it dirty. Doing so may affect the image quality and reduce the service life of the lamp. See "Cleaning the lamp unit glass" at right.*

7. Using a manual Phillips screwdriver, tighten the two lamp unit screws.
   Note: Hand-tighten only. *Do not use an electric screwdriver.*

Lamp unit screws
(use manual Phillips screwdriver only)
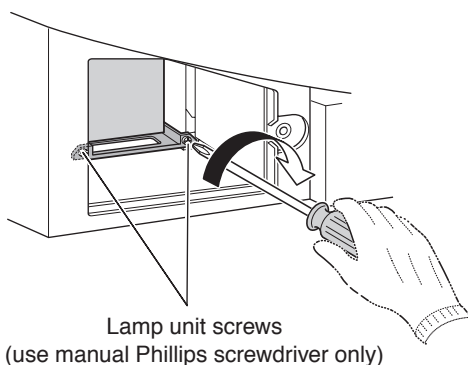
> ⚠ **NOTE :** Make sure the lamp unit and screws are installed securely; otherwise, the TV may not turn on and the lamp life may be shortened.

8. Reattach the lamp unit door, making sure to **insert the hooks on the left side of the lamp unit door inside the opening in the TV cabinet.**

Insert the hooks inside the TV cabinet opening.
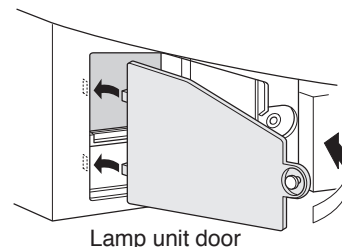
Lamp unit door

9. Replace the thumb screw and hand-tighten.

Thumb screw
(hand-tighten only)
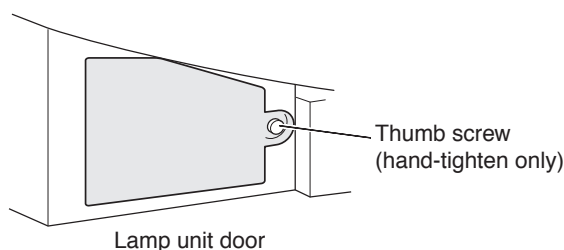
Lamp unit door

> ⚠ **NOTE :** Make sure the lamp unit door is installed securely; otherwise, the TV may not turn on.

10. Plug in the power cord and turn on the TV. After the initial warmup period (which may take up to several seconds for full picture brightness), the TV should operate normally. If any of the following conditions exist, turn off the TV, unplug the power cord, and repeat steps 1–9 to ensure that the lamp unit and lamp unit door are installed correctly:

- No picture
- Dark picture
- TV will not turn on

If, after repeating steps 1–9, the problem still exists, call Customer Service at 1-800-631-3811.

Cleaning the lamp unit glass

If you accidentally touch the lamp unit glass or otherwise get it dirty, wipe it with a lint-free lens cleaning cloth (such as a cloth for cleaning camera lenses or eyeglasses).

> ⚠ **CAUTION: NEVER clean a hot lamp with any type of flammable liquid or aerosol cleaning agent.** Many ordinary cleaning agents (such as glass cleaners) contain chemicals that may be flammable at certain temperatures. If the lamp unit is not allowed to cool for at least one (1) hour, such chemicals may ignite.

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Lamp unit disposal

- Place the used lamp unit in the empty box from the new lamp unit.
- Keep the lamp unit out of reach of children and pets.

> ⚠ **CAUTION: Always handle the lamp unit with care.** The lamp unit in this TV was designed for safe replacement by consumers; however, if the lamp unit is subjected to intentional or accidental abuse (such as excessive mechanical abuse or handling by children), the unit may break, exposing sharp edges or pinch points.
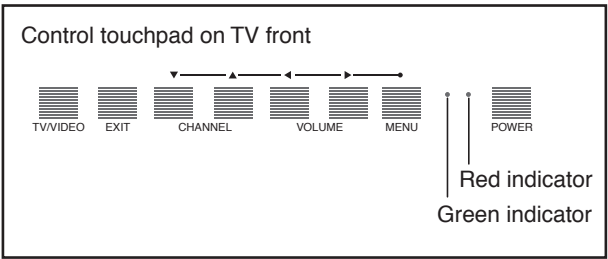
- Dispose of the used lamp unit by the approved method for your area.

> ⚠ **NOTE :** The lamp unit contains mercury. Disposal of mercury may be regulated due to environmental considerations. For disposal or recycling information, contact your local authorities or the Electronics Industries Alliance (www.eiae.org).

LED indications

The green and red LED lights on the TV control touchpad (on the lower right corner of the TV screen) indicate the TV's current status, as follows:

- Green ON = Control touchpad being pressed.
- Red ON = Power ON.
- Green and/or Red blinking (see table below for condition and solution).

Control touchpad on TV front

TV/VIDEO   EXIT   CHANNEL   VOLUME   MENU   POWER

Red indicator
Green indicator

LED Indication	Condition	Solution
1) Green lights solid; Red blinks at 0.5-second intervals.	The lamp unit door is not seated properly.	Turn the POWER OFF and unplug the power cord. Review "How to replace the lamp unit" on pages 57–59 to ensure that the lamp unit door is installed securely. If the problem persists, contact a Toshiba Authorized Service Center.
2) Green blinks at 0.3-second intervals; Red lights solid.	The lamp is not working properly.	The TV automatically will try to restart itself eight times.
3) Green and Red blink at 1-second intervals.	The lamp is not working properly after the eighth automatic restart (see item #2).	Turn the POWER OFF and then ON again. If the problem persists, replace the lamp unit (see pages 57–59). If the problem still persists, contact a Toshiba Authorized Service Center.
4) Green is off; Red blinks.	For service personnel only.	Turn the POWER OFF and unplug the power cord. If the problem persists, contact a Toshiba Authorized Service Center.
5) Green and Red blink three times.	An abnormal temperature increase has occurred.	Do not block or cover the slots or openings in the TV cabinet. If the problem persists, contact a Toshiba Authorized Service Center.

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Specifications

• **This model complies with the specifications listed below.**
• **Design and specifications are subject to change without notice.**
• **This model may not be compatible with features and/or specifications that may be added in the future.**

⚡ **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. Refer all servicing to a Toshiba Authorized Service Center.

Television System
  NTSC standard

Channel Coverage
  VHF: 2 through 13
  UHF: 14 through 69
  Cable TV: Mid band (A-8 through A-1, A through I)
        Super band (J through W)
        Hyper band (AA through ZZ, AAA, BBB)
        Ultra band (65 through 94, 100 through 125)

Power Source
  120 V AC, 60 Hz

Power Consumption
  190 W (average)

Audio Power
  20 W + 20 W

Speaker Type
  Main: Two 4 inches (10 cm) round
  Tweeter: Two 1-5/8 inches (4 cm) round

Video/Audio Terminals
  S-VIDEO INPUT
    Y : 1 V(p-p), 75 ohms, negative sync.
    C : 0.286 V(p-p) (burst signal), 75 ohms
  VIDEO/AUDIO INPUT
    VIDEO: 1 V(p-p), 75 ohms, negative sync.
    AUDIO: 150 mV(rms) (30% modulation equivalent,
          22 k ohms or more)
  ColorStream® (component video) INPUT
    Y : 1V(p-p), 75 ohms
    PR: 0.7 V(p-p), 75 ohms
    PB: 0.7 V(p-p), 75 ohms
    AUDIO: 150 mV(rms), 22 k ohms or more
  VIDEO/AUDIO OUTPUT
    VIDEO: 1 V(p-p), 75 ohms, negative sync.
    AUDIO: 150 mV(rms) (30% modulation equivalent,
          2.2 k ohms or less)
  VARIABLE AUDIO OUTPUT
    0–300 mV(rms) (30% modulation equivalent,
    2.2 k ohms or less)
  HDMI INPUT:
    HDMI compliant (type A connector)
    HDCP compliant
    E-EDID* compliant
    Suggested scan rates: 1080i, 480p, 480i, 720p
    HDMI Audio: 2-channel PCM
            32/44.1/48 kHz sampling frequency
            16/20/24 bits per sample

_____
* E-EDID = Enhanced-Extended Display Identification

Dimensions
  Width: 67-1/16 inches (1,703 mm)
  Height: 40-15/16 inches (1,040 mm)
  Depth: 18-3/16 inches (462 mm)

Mass
  99 lbs (45.0 kg)

Supplied Accessories
  Remote Control with 2 size "AA" alkaline batteries
  Owner's Manual (this book)
  Important notes sheet

Optional TV Stand
  ST6214, ST6284, or ST6294

Operating Conditions
  Temperature: 41°F to 95°F (5°C to 35°C)

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Troubleshooting

Before calling a service technician, please check the following table for a possible cause of the symptom and some solutions.

Symptom	Solution
TV will not turn on	• Make sure the power cord is plugged in, then press POWER. • The remote control batteries may be dead. Replace the batteries. • If you have recently replaced the lamp unit, make sure the lamp unit and lamp unit door are installed properly. • The lamp unit may need to be replaced. (See "LED indications" on page 60.)
No picture or picture too dark	• Adjust the PICTURE menu settings. • The lamp unit may need to be replaced.
No picture, no sound	• Check the antenna/cable connections.
No sound, picture OK	• The sound may be muted. Press VOLUME. • The station may have broadcast difficulties. Try another channel. • Make sure the SPEAKERS function in the AUDIO menu is set properly.
Poor picture, sound OK	• Check the antenna connections. • The station may have broadcast difficulties. Try another channel. • Adjust the PICTURE menu settings.
Poor reception of broadcast channels	• The station may have broadcast difficulties. Try another channel. • Check the antenna connections. • If you are using a VCR, make sure the TV/VCR button is set correctly.
Cannot receive above channel 13	• Make sure the TV/CABLE switch is set to the mode that corresponds with the signal source type (cable company or outside antenna).
Black box appears on the screen	• The closed caption feature may be set to one of the Text modes (T1, T2, T3, or T4). Turn closed captioning OFF.
Unable to select a certain channel	• The channel may be locked with the CH LOCK feature, or erased with the ADD/ERASE feature.
Multiple images	• The station may have broadcast difficulties. Try another channel. • Antenna reception may be poor. Use a highly directional outdoor antenna.
Poor color or no color	• The station may have broadcast difficulties. Try another channel. • Adjust the TINT and/or COLOR in the PICTURE menu. • The lamp unit may need to be replaced.
No stereo or SAP sound from a known MTS broadcast	• Make sure the MTS feature is set properly.
The screen lights dimly and the fan continues to run when the power is OFF.	• The Quick Restart feature may be in ON mode. Set to OFF if you do not prefer this.
The remote control does not operate	• Make sure the appropriate device mode is selected. • Remove all obstructions between the remote control and the remote control sensor in the TV. • The remote control batteries may be dead. Replace the batteries.
Cannot access signal input sources (Video1, Video2, Video3, ColorStream HD1/HD2, HDMI) and/or Channels 3 and 4.	• Check the VIDEO LOCK feature (see page 42).

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Limited United States Warranty
for DLP Television Models

Toshiba America Consumer Products, L.L.C. ("TACP") makes the following limited warranties to original consumers in the United States. THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS DLP TELEVISION AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

TELEVISIONS PURCHASED IN THE U.S.A. AND USED ANYWHERE OUTSIDE OF THE U.S.A., INCLUDING, WITHOUT LIMITATION, CANADA AND MEXICO, ARE NOT COVERED BY THESE WARRANTIES.

TELEVISIONS PURCHASED ANYWHERE OUTSIDE OF THE U.S.A., INCLUDING, WITHOUT LIMITATION, CANADA AND MEXICO, AND USED IN THE U.S.A., ARE NOT COVERED BY THESE WARRANTIES.

Limited One (1) Year Warranty on Parts and Labor*

TACP warrants this DLP television and its parts against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. TACP Authorized Service Station personnel will come to your home when warranty service is required. Depending on the type of repair required, either the service will be performed in your home or the set will be taken to the TACP Authorized Service Station for repair and returned to your home at no cost to you.

Limited One (1) Year Warranty on Lamp Unit*

TACP warrants the lamp unit in this DLP television against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S OPTION, EXCHANGE A DEFECTIVE LAMP UNIT WITH A NEW OR REFURBISHED LAMP UNIT WITHOUT CHARGE TO YOU. LABOR CHARGES FOR LAMP UNIT REPLACEMENT ARE NOT COVERED UNDER WARRANTY. The lamp unit is a user-replaceable component.

Rental Units

The warranty for rental units, including the lamp units contained therein, begins with the date of first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

*Limited Warranty for Commercial Units

TACP warrants DLP televisions, including the lamp units contained therein, sold and used for commercial purposes as follows: all parts are warranted against defects in materials or workmanship for a period of ninety (90) days after the date of original purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU.

Owner's Manual and Product Registration

Read this owner's manual thoroughly before operating this DLP television.

Complete and mail the enclosed product registration card or register your product online at **www.tacp.toshiba.com/service** as soon as possible. By registering your television you will enable TACP to bring you new products specifically designed to meet your needs and help us contact you in the unlikely event a safety notification is required under the U.S. Consumer Product Safety Act. Failure to register your product does not diminish your warranty rights.

Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

(1) You must provide your bill of sale or other proof of purchase.
(2) All warranty servicing of this DLP television must be performed by an Authorized TACP Service Station.
(3) These warranties from TACP are effective only if the DLP television is purchased and operated in the U.S.A. or Puerto Rico.
(4) Labor charges for installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by these warranties. Reception problems caused by inadequate antenna systems are your responsibility.
(5) Warranties extend only to defects in materials or workmanship as limited above, and do not extend to any DLP television or parts that have been lost or discarded by you or to damage to the DLP television or parts caused by fires, misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TACP; use or malfunction through simultaneous use of this product and connected equipment; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

How to Obtain Warranty Services

If, after following all of the operating instructions in this manual and checking the "Troubleshooting" section, you find that service is needed:

(1) To find the nearest TACP Authorized Service Station, visit TACP's web site at **www.tacp.toshiba.com/service** or call toll free 1-800-631-3811.
(2) Present your bill of sale or other proof of purchase to the Authorized Service Station.

> **For additional information, visit TACP's web site:**
> **www.tacp.toshiba.com**

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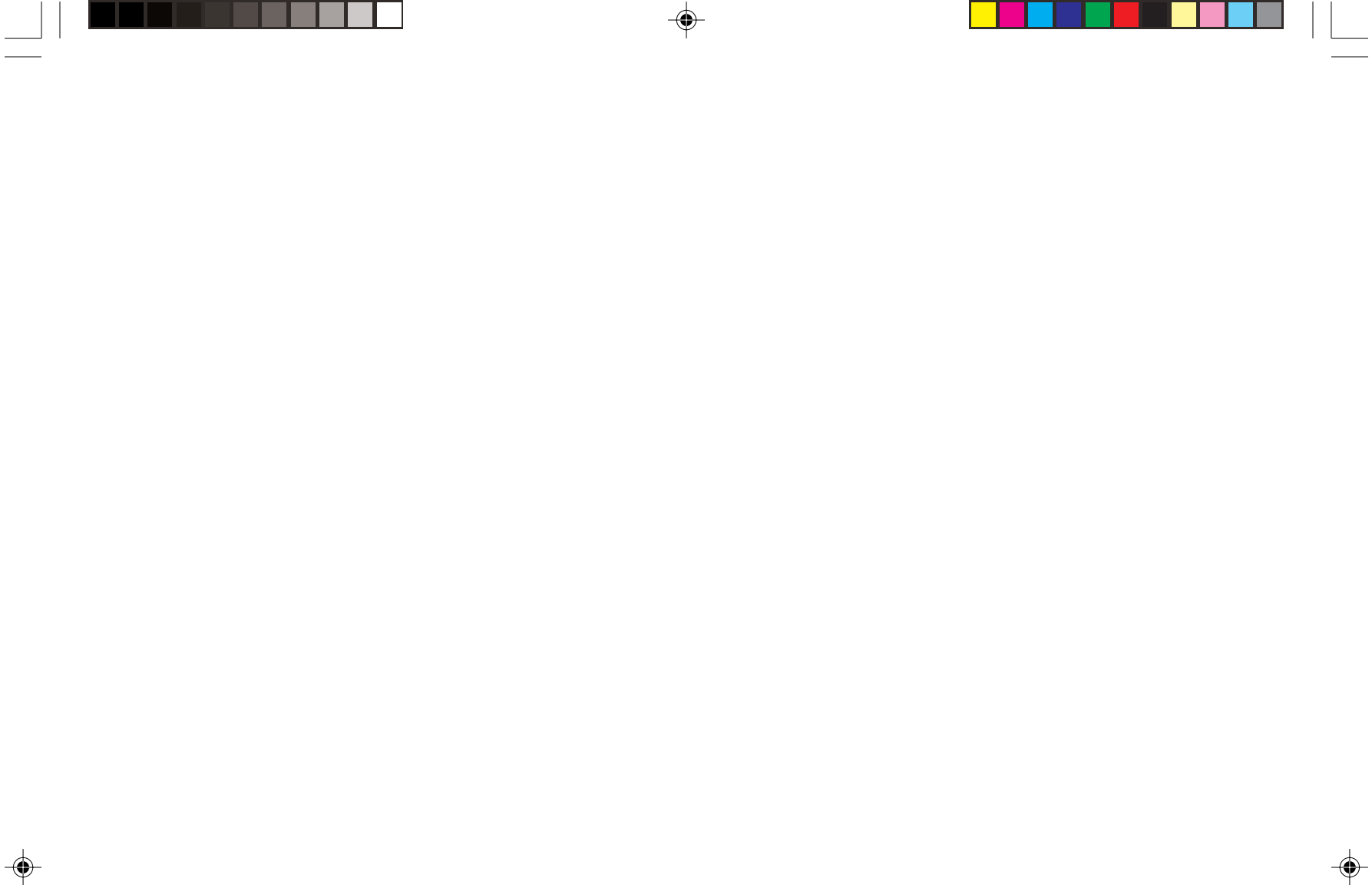Introduction

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