TOSHIBA

ENERGY STAR PARTNER

OWNER'S MANUAL
Color Television

FST PURE®

COLORSTREAM®   THEATERWIDE **HD**   **BBE** DIGITAL®   HDTV MONITOR

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

Model number:

Serial number:

26HF85
30HF85

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All Rights Reserved

J3S40121B(E)_COVER   1   24/02/2005, 6:06 PM

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.
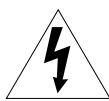
Safety Precautions

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.

CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

NOTE TO CATV INSTALLERS

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 25 and 26 on page 4.

NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE

If a fixed (non-moving) pattern remains on the TV screen for long periods of time, the image can become permanently ingrained in the picture tube. **This type of damage is NOT COVERED BY YOUR WARRANTY.** See item 33 on page 4.

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.

NEVER CONNECT THIS TV TO A PERSONAL COMPUTER (PC.) This TV is not intended for use with a PC.

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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.

Toshiba Cares!

❑ 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®

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Important Safety Instructions

1) **Read these instructions.**
2) **Keep these instructions.**
3) **Heed all warnings.**
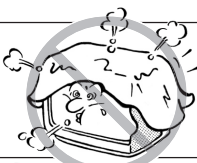4) **Follow all instructions.**
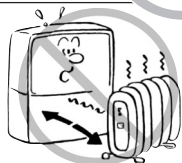
5) **Do not use this apparatus near water.**

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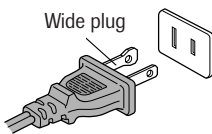
10) **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits the apparatus.
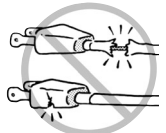
11) **Only use attachments/accessories specified by the manufacturer.**

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 to qualified service personnel.** Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

QUALIFIED
SERVICE
TECHNICIAN

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.

Installation, Care, and Service

Installation

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

16) 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.

17) ⚠ **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.

18) 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).
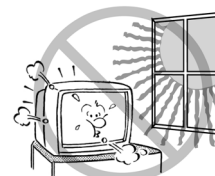
19) Always place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit.

20) Never place items such as vases, aquariums, or candles on top of the TV.

21) 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.

22) 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.

23) Never overload wall outlets and extension cords.

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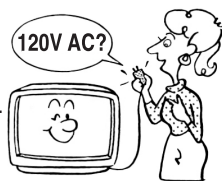Remote Control

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24) Always operate this equipment from a 120 V AC, 60 Hz power source only.

120V AC?

25) 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

26) **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:

27) 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.

28) Always unplug the TV before cleaning. Never use liquid or aerosol cleaners.
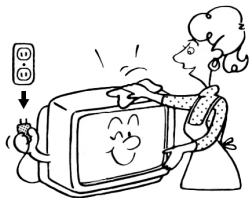
29) **WARNING: RISK OF ELECTRIC SHOCK!**
Never spill liquids or push objects of any kind into the TV cabinet slots.

30) [*This item applies to projection TVs only.*] 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.

31) 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.

32) 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.
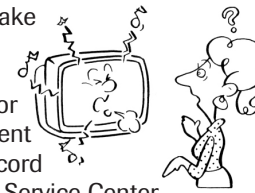
33) **Possible Adverse Effects on TV Picture Tube:** If a fixed (non-moving) pattern remains on the TV screen for long periods of time, the image can become permanently ingrained in the picture tube and cause subtle but permanent ghost images. **This type of damage is NOT COVERED BY YOUR WARRANTY**. Never leave your TV on for long periods of time while it is displaying the following formats or images:

• **Fixed Images**, such as PIP/POP windows, stock tickers, video game patterns, TV station logos, closed captions, and websites.

• **Special Formats** that do not use the entire screen. For example, viewing letterbox style (16:9) media on a normal (4:3) display (gray bars at top and bottom of screen); or viewing normal style (4:3) media on a widescreen (16:9) display (gray bars on left and right sides of screen).

Service

34) **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.

QUALIFIED SERVICE TECHNICIAN
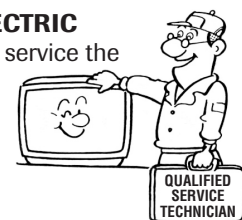
35) If you have the TV serviced:

• 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.

ONLY AUTHORIZED REPLACEMENT PARTS!

36) When the TV reaches the end of its useful life, ask a qualified service technician to properly dispose of the TV. Improper disposal may result in a picture tube implosion and possible personal injury.

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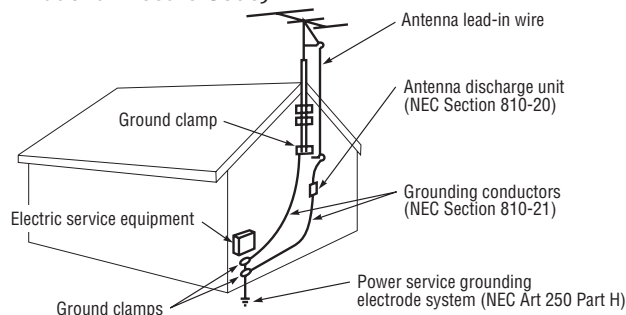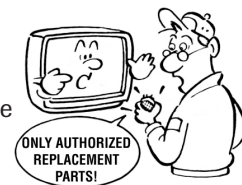
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Welcome to Toshiba

Congratulations! You have purchased one of the finest color 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.
You may need to purchase other audio or video cables to connect your equipment. See "Connecting your TV" on page 7 for more information.

Please read all the safety and operating instructions carefully before you begin.

Exploring your new TV

You can operate your TV by using the buttons on the front panel or the remote control. The front and back panels provide all the inputs you will need to connect other equipment to your TV.

TV front panel
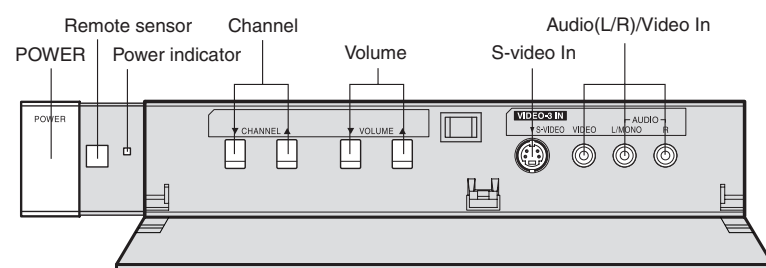
TV back panel
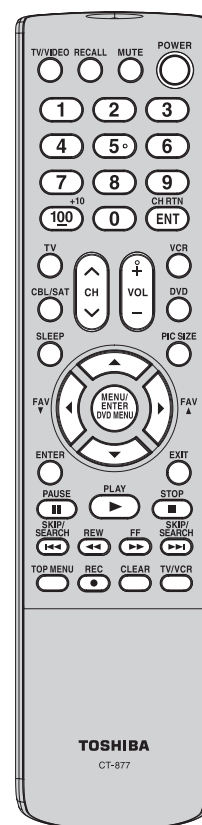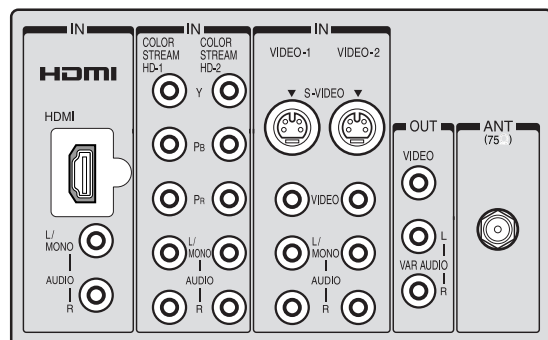
Selecting a location for the TV

• Place the TV on the floor or on a sturdy platform in a location where light does not directly hit the screen.
• Place the TV far enough from the walls to allow proper ventilation. Inadequate ventilation may cause overheating, which may damage the TV.

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Connecting your TV

- A coaxial cable is the standard cable that comes in from your antenna or cable converter box. Coaxial cables use "F" connectors.
- Standard A/V (audio/video) cables are usually color coded according to use: yellow for video and red and white for audio. The red audio cable is for the stereo right channel, and the white audio cable is for the stereo left (or mono) channel. If you look at the rear panel of the TV, you will see that the terminals are color coded in the same manner as the cables.
- S-video cables provide better picture performance than standard video cables. S-video cables can only be used with S-video compatible components.
- Component video cables provide better picture performance than S-video cables. Component video cables can only be used with component video compatible components.
- HDMI (High Definition Multimedia Interface) cable is for use with video equipment that has HDMI output (see page 14).
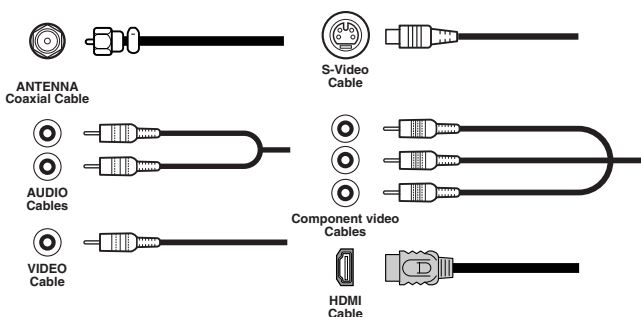
⚠️ **NEVER CONNECT THIS TV TO A PERSONAL COMPUTER (PC). This TV is not intended for use with a PC.**

⚠️ *NOTICE: RISK OF EQUIPMENT DAMAGE!*
Do not plug in any power cords until you have finished connecting all equipment.

ANTENNA
Coaxial Cable

S-Video
Cable

AUDIO
Cables

Component video
Cables

VIDEO
Cable

HDMI
Cable

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

Note:
If using a mono VCR, connect L/Mono to VCR Audio OUT using only one audio cable. For better picture quality, if your VCR has S-video, you can use an S-video cable instead of the standard video cable. Do not connect a standard video cable and an S-video cable to VIDEO-1 (or VIDEO-2) simultaneously.

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.

TV

IN — HDMI

IN — COLOR STREAM HD-1 / COLOR STREAM HD-2 — Y, PB, PR, L/MONO, AUDIO R

IN — VIDEO-1 / VIDEO-2 — S-VIDEO

OUT — VIDEO, AUDIO L R

ANT (75Ω)

HDMI

L/MONO
AUDIO R

Cable Lead-in from cable box or antenna

Stereo VCR

IN from ANT   OUT to TV   IN

OUT

CH 3
CH 4

VIDEO   L AUDIO R

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Connecting a cable converter box or Antenna

This television has an extended tuning range and can tune most cable channels without using a cable company supplied converter box. Some cable companies offer "premium pay channels" in which the signal is scrambled. Descrambling these signals for normal viewing requires the use of a descrambler device, which is generally provided by the cable company.

Option 1 : For Subscribers to Basic Cable TV Service
For basic cable service not requiring a Converter/Descrambler box, connect the incoming 75 ohm Coaxial Cable directly to the Antenna Jack on the back of the television.

Option 2 : For Subscribers to Scrambled Cable TV Service
If you subscribe to a cable service that requires the use of a Converter/Descrambler box, connect the incoming cable to the Converter/Descrambler box and connect the output of the box to the Antenna Jack on the back of the television. Follow the connections shown below. Set the television to the output of the Converter/Descrambler box (usually channel 3 or 4) and use the Converter/Descrambler box to select channels.

Option 3 : For Subscribers to Unscrambled Basic Cable with Scrambled Premium Channels
If you subscribe to a cable service in which basic cable channels are unscrambled and premium channels require the use of a Converter/Descrambler box, you may wish to use a two-set signal splitter (sometimes called a "two-set coupler") and an A/B Switch box from the cable installer or an electronics supply store. Follow the connections shown below. With the switch in the "B" position, you can directly tune any nonscrambled channels on your TV. With the switch in the "A" position, tune your TV to the output of the Converter/Descrambler box (usually channel 3 or 4) and use the box to tune scrambled channels.

Connecting your TV

From Cable

TV

Option 1:

Option 2:
Converter/Descrambler

Option 3:
Converter/Descrambler
Splitter   A / B Switch

IN — HDMI — HDMI
IN — COLOR STREAM HD-1 / COLOR STREAM HD-2 — Y, PB, PR, L/MONO, AUDIO R
IN — VIDEO-1 / VIDEO-2 — S-VIDEO, VIDEO, L/MONO, AUDIO R
OUT — VIDEO, L VAR AUDIO R
ANT (75)

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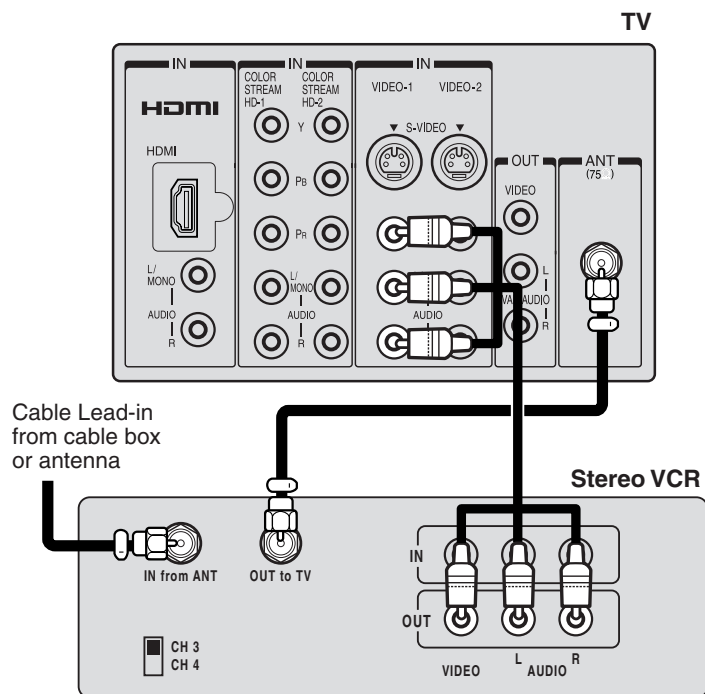Using the TV's
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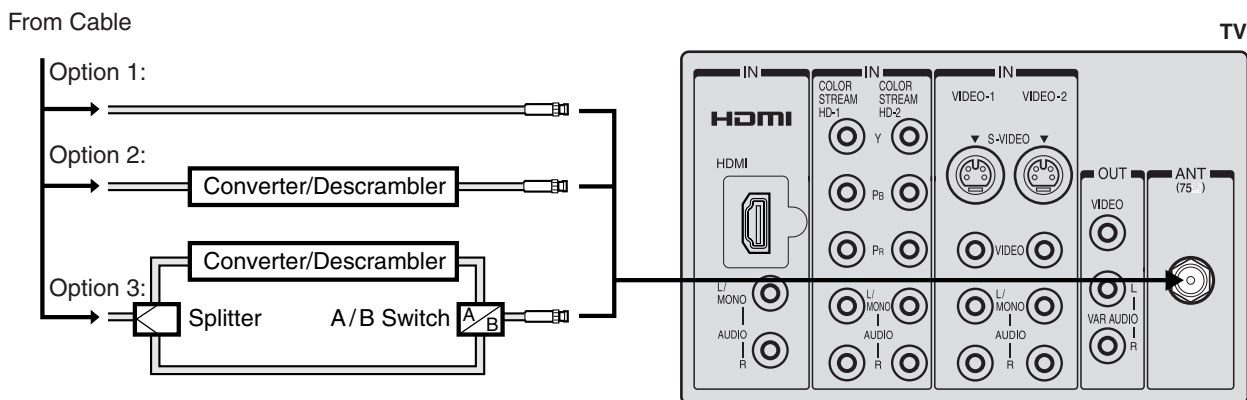
Connecting a DVD player/satellite receiver and a VCR

This connection allows you to watch DVD/satellite, VCR, or TV programs. You can record from the satellite receiver and TV, as well as record one TV channel while watching another channel.
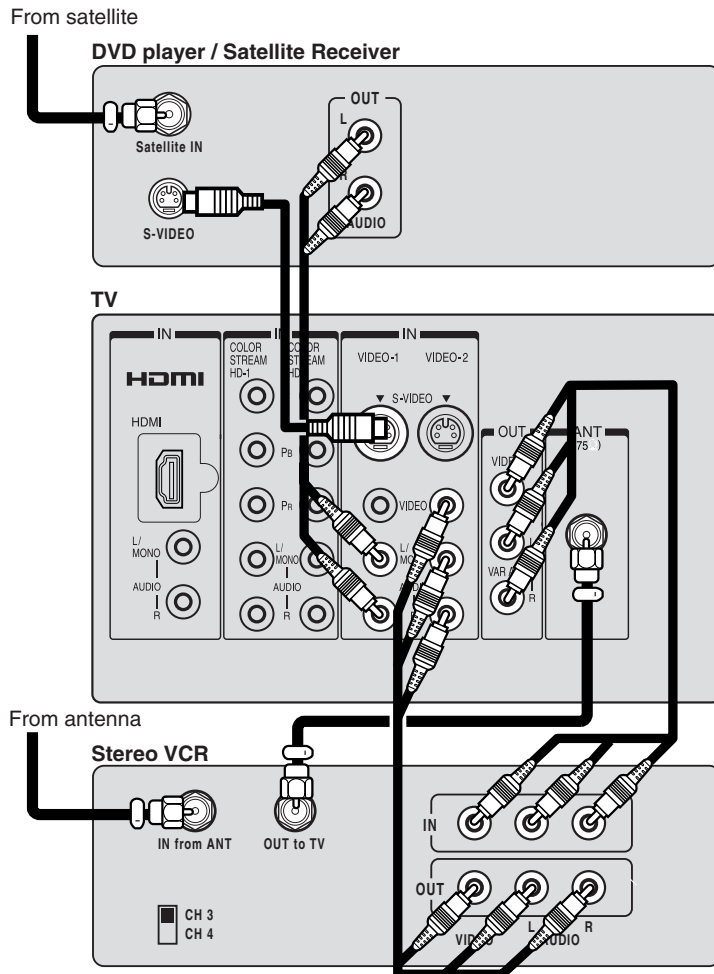
You will need:
• three coaxial cables
• two sets of standard A/V cables
• one S-video cable
• one pair of standard audio cables

Note:

You can use a standard video cable instead of the S-video cable, but the picture quality will decrease. If you use an S-video cable between the TV and DVD player/satellite receiver, make the audio connections but remove the standard video cable. Do not connect both an S-video and a standard video cable to VIDEO1 (or VIDEO2) at the same time or the picture performance will be unacceptable.

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.

From satellite

DVD player / Satellite Receiver

Satellite IN

S-VIDEO

OUT
L
R
AUDIO

TV

IN

COLOR STREAM HD-1

COLOR STREAM HD

VIDEO-1   VIDEO-2

HDMI

S-VIDEO

PB

PR

VIDEO

OUT   ANT
(75)

L/MONO

L/MONO

L/MONO

AUDIO

AUDIO

VIDEO

VAR

R

From antenna

Stereo VCR

IN from ANT   OUT to TV

IN

OUT

CH 3
CH 4

VIDEO   L   R
AUDIO

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

This connection allows you to watch DVD, VCR, or TV programs and record TV programs. You can record from one source while watching a program from another source. Your TV is capable of using ColorStream (component video.) Connecting your TV to a component video compatible DVD player, such as a Toshiba DVD player with ColorStream®, can greatly enhance picture quality and performance.

You will need:
• two coaxial cables
• one set of standard A/V cables
• one set of component video cables
• one pair of standard audio cables

Note:

You can connect the component video cables to either set of ColorStream jacks on the TV (HD-1 or HD-2.)
The ColorStream HD-1 and HD-2 jacks can be used with Progressive (480p, 720p) and Interlaced (480i, 1080i) scan systems. A 1080i signal will provide the best picture performance.
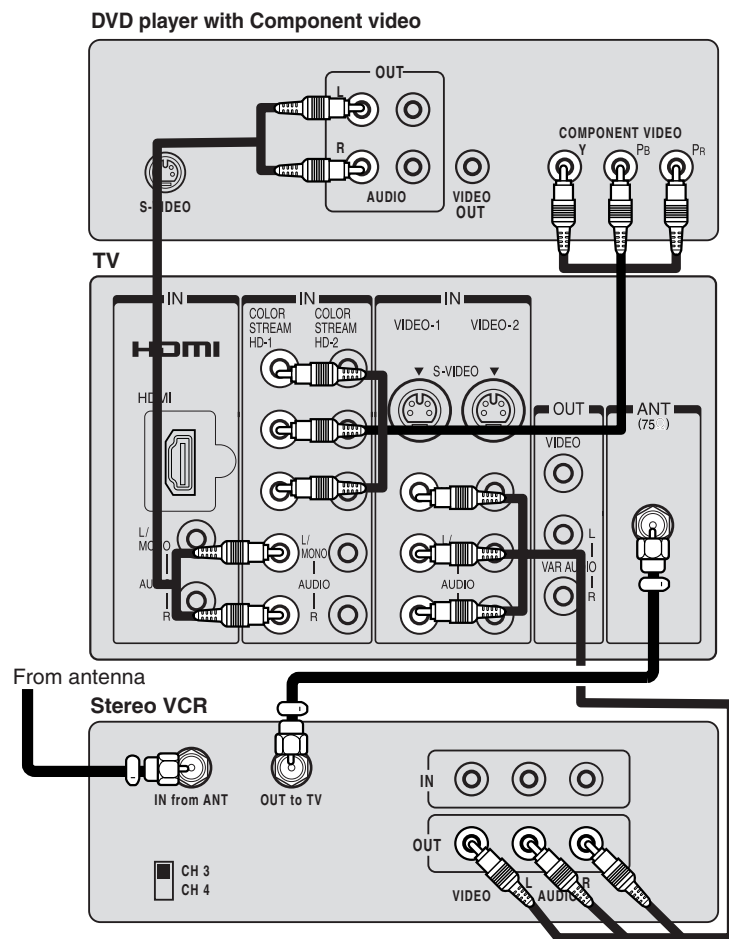
The unauthorized recording, use, distribution or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

Connecting your TV

DVD player with Component video

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From antenna

Stereo VCR

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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.
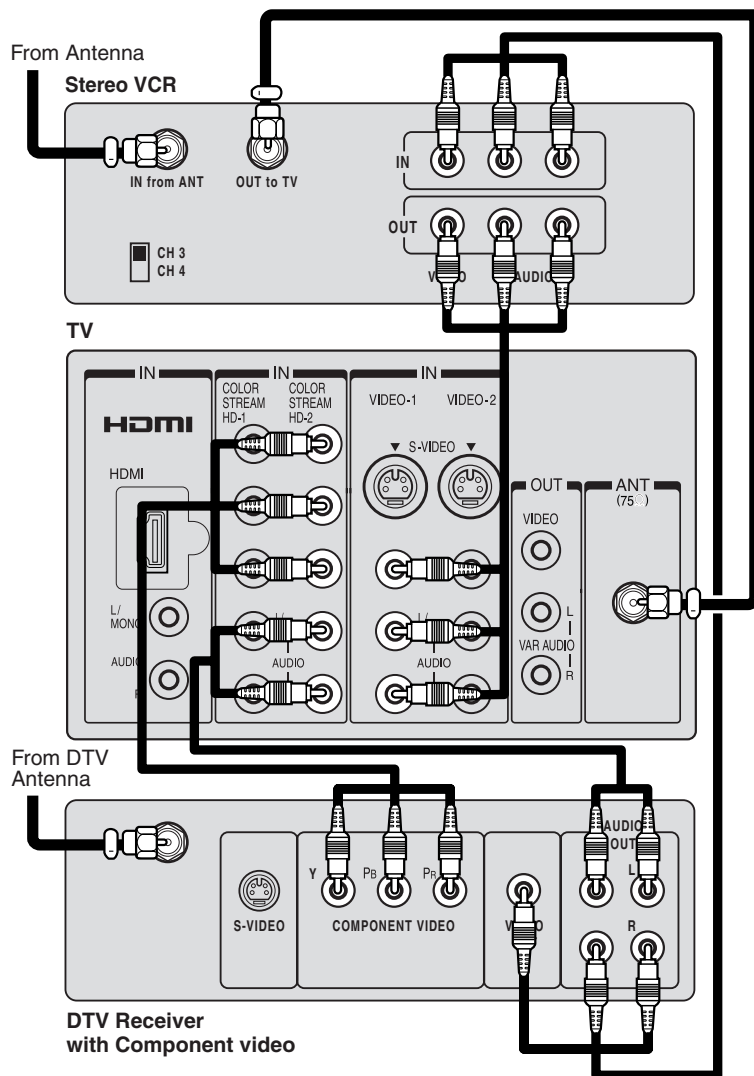
You will need:
• three coaxial cables
• two sets of standard A/V cables
• one set of standard audio cables
• one set of component video cables

Note:
You can connect the component video cables to either set of ColorStream jacks on the TV (HD-1 or HD-2.) For HDMI connection see page 14.
The ColorStream HD-1 and HD-2 jacks and HDMI jacks can be used with Progressive (480p, 720p) and Interlaced (480i, 1080i) scan systems. A 1080i signal will provide the best picture performance.
If your DTV receiver does not have component video, use the S-video and standard audio connections instead. Do not connect both an S-video and a standard video cable to VIDEO1 (or VIDEO2) at the same time or the picture performance will be unacceptable.

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.

From Antenna
Stereo VCR
IN from ANT   OUT to TV   IN
CH 3
CH 4
OUT
VIDEO   AUDIO

TV
IN   IN   IN
COLOR STREAM HD-1   COLOR STREAM HD-2   VIDEO-1   VIDEO-2
HDMI
S-VIDEO
OUT   ANT (75)
VIDEO
L/ MONO
AUDIO   AUDIO   AUDIO   VAR AUDIO   L   R

From DTV Antenna
Y   PB   PR   AUDIO OUT   L   R
S-VIDEO   COMPONENT VIDEO   VIDEO
DTV Receiver with Component video

11

Connecting two VCRs

This connection allows you to record (dub/edit) from one VCR to another VCR.
You will also be able to record from one TV channel while watching another channel.

You will need:
• two coaxial cables
• two sets of standard A/V cables

Note:

Do not connect the same VCR to the output and input jacks on the TV at the same time. For better picture quality, if your VCR has S-video, you can use an S-video cable instead of the standard video cable. Do not connect a standard video cable and an S-video cable to VIDEO-1 (or VIDEO-2) simultaneously.

From antenna

Stereo VCR/Playback

IN from ANT   OUT to TV

IN

OUT

CH 3
CH 4

VIDEO   AUDIO

Connecting your TV

TV

IN   IN   IN

COLOR   COLOR
STREAM   STREAM   VIDEO-1   VIDEO-2
HD-1   HD

HDMI

HDMI   Y

▼ S-VIDEO ▼

PB

PR   VIDEO

L/   L/   L/
MONO   MONO   MONO

AUDIO   AUDIO   AUDIO

R   R   R

OUT   ANT
(75)

VIDEO

L
VAR AU
R

Stereo VCR/Recording

IN from ANT   OUT to TV

IN

OUT

CH 3
CH 4

VIDEO   AUDIO

12
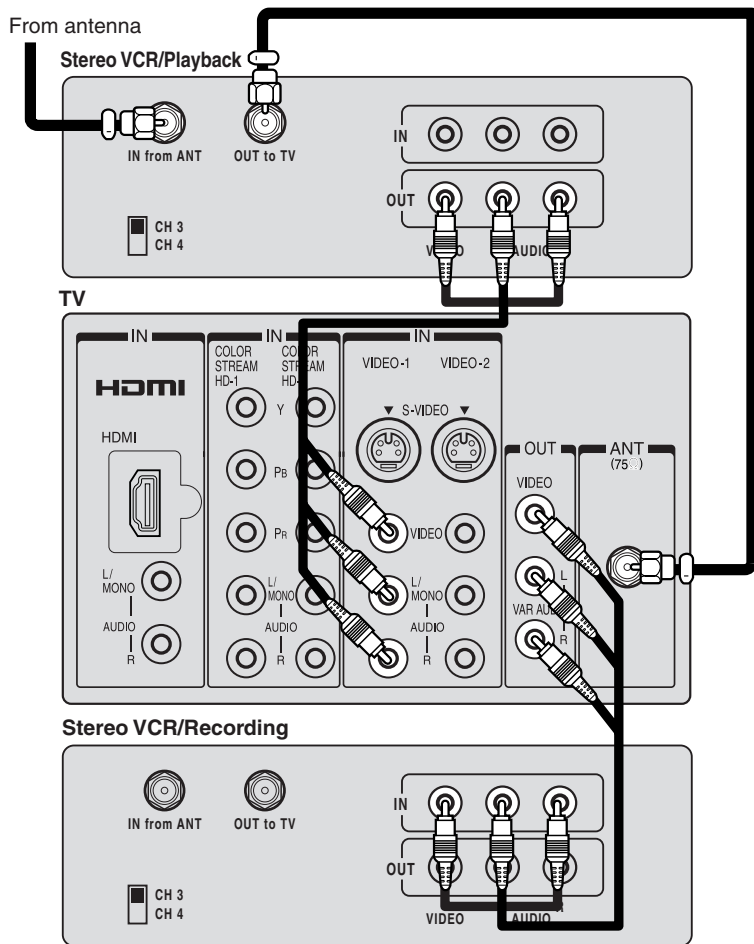
Connecting a camcorder

This connection allows you to watch videos recorded on a camcorder.

S-VHS Camcorder

S-VIDEO VIDEO AUDIO
                L
                R
        OUT

Front Panel of TV
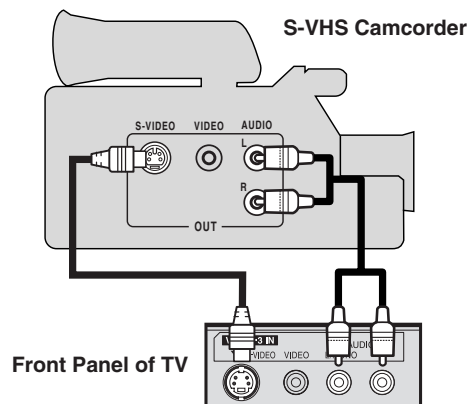
You will need:
• one S-video cable
• one pair of standard audio cables

Note:
For better picture quality, if your camcorder has S-video, you can use an S-video cable (plus the standard audio cables) instead of a standard video cable.
Do not connect both a standard video cable and an S-video cable at the same time, or the picture performance will be unacceptable.

13

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 high definition video signals. It will accept and display 480i, 480p, 720p and 1080i signals.

⚠ **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 as short an HDMI cable as possible. 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.)

You must set the HDMI audio input setting to "HDMI" in the AUDIO menu (see page 40.)

Some CDVs (Video CDs) may not output digital audio signals. In that case, you may hear sound by connecting analog audio cables. If you do use analog audio cables for this reason, you will need to set the HDMI audio input setting to "DVI" to hear the analog audio (see page 40.)
Note: *If you connect an HDMI device and analog audio cables and play media with digital audio output, to hear digital audio you must set the HDMI audio input setting to "HDMI" (page 40.)*

HDMI device

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 devices may not operate properly with the 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.)

You must set the HDMI audio input setting to "DVI" in the AUDIO menu (see page 40.)

DVI device

14

Connecting your TV

Connecting an audio system

This connection allows you to use an audio amplifier and external speakers, and adjust the audio level using the TV's remote control. To control the audio, turn on the TV and the stereo amplifier, and turn off the TV's built-in speakers (see "Turning off the built-in speakers" on page 40.)

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.

You will need:
• one pair of standard audio cables
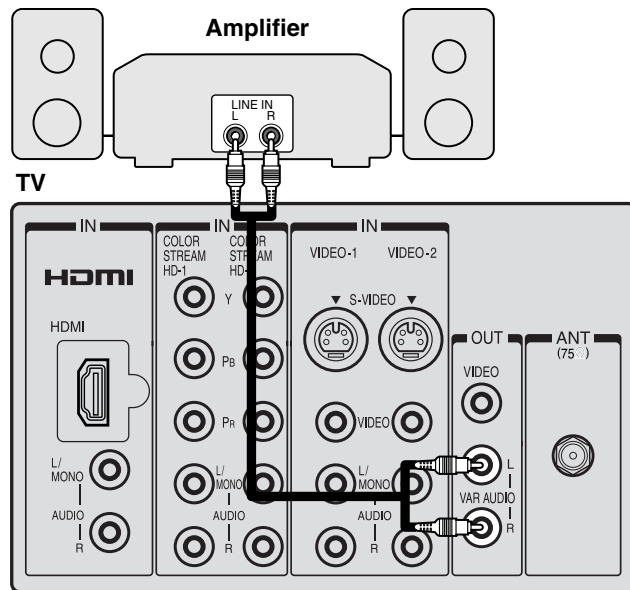
Amplifier

LINE IN
L   R

TV

IN
COLOR STREAM HD-1
HDMI

COLOR STREAM HD-1
Y
PB
PR
L/MONO
AUDIO
R

IN
COLOR STREAM HD-
Y
PB
PR
L/MONO
AUDIO
R

IN
VIDEO-1   VIDEO-2
▼ S-VIDEO ▼

VIDEO
L/MONO
AUDIO
R

OUT
VIDEO

L
VAR AUDIO
R

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Using the remote control

Preparing the remote control for use

With the remote control, you can operate your TV, most cable TV converters/satellite receivers, VCR and DVD player models together, even if they are different brands. If you will be using your TV with a Toshiba satellite receiver, VCR or DVD player, your remote control is already programmed and ready to use. If you own different brands of cable TV converters/satellite receivers, VCRs and/or DVD players, you first have to program your remote control. (See "Programming the remote control for use with a cable TV converter/satellite receiver, VCR or DVD player" on page 17.)

Installing the remote control batteries

To install the batteries:

1. Open the battery cover on the back of the remote control.
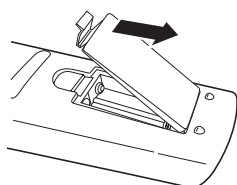
2. Install two "AAA" size batteries. Match the + and – signs on the batteries to the signs on the battery compartment.
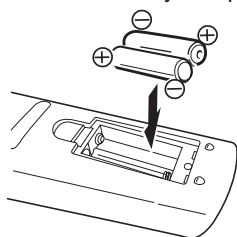
3. Close the battery cover on the remote control until the lock snaps.

Note:

The TV remote control may not operate your VCR, DVD player, or cable TV converter. Refer to the owner's manual supplied with the applicable equipment to see which features may be available. Additionally, the remote control for this TV may not support certain features available on the original remote controls for such additional equipment, in which case, it is suggested that you use the original remote control for the applicable device.

Caution:
- *Never throw batteries into a fire.*

Notes:
- *Be sure to use "AAA" size batteries.*
- *Dispose of batteries in a designated disposal area.*
- *Attention should be drawn to the environmental aspects of battery disposal.*
- *Do not mix different 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 be using the remote control for a long time, remove the batteries to prevent battery acid from leaking into the battery compartment.*

Using the remote control to operate your other devices

To control a cable TV converter/satellite receiver:

Program the remote control to recognize the brand of your cable TV converter/satellite receiver (see "Programming the remote control to operate your other devices" on page 17.) The buttons shown at right will control the cable TV converter/satellite receiver. Press "CBL/SAT" first.

Power
Input (TV)
Mute (TV)
Channel Numbers
CH RTN (Channel Return)
Channel ∧ ∨
CBL/SAT
Volume +/- (TV)
Pic Size (TV)

TV/VCR
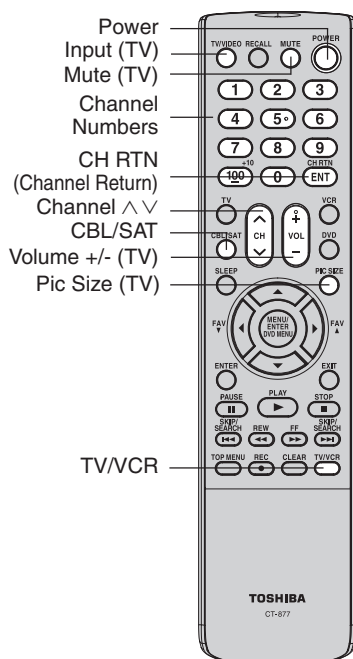
To control a VCR:

Program the remote control to recognize the brand of your VCR (see "Programming the remote control to operate your other devices" on page 17.) The buttons shown at right will then control the VCR. Press "VCR" first.

Input (TV)
Power
Channel Numbers
CH RTN (Channel Return)
VCR
Channel ∧ ∨
Volume +/- (TV)
Pic Size (TV)

VCR controls

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Important
Safeguards

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your TV

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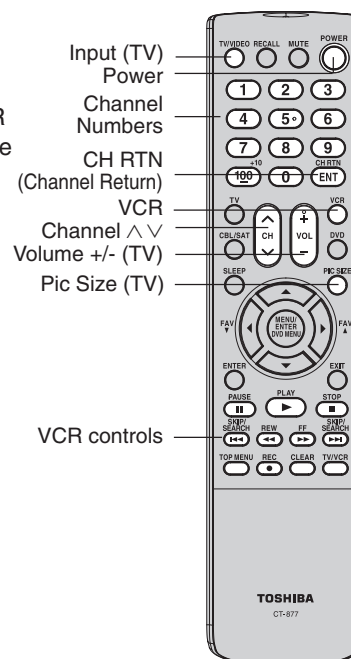
To control a DVD player:

Program the remote control to recognize the brand of your DVD player (see "Programming the remote control to operate your other devices" below.) The buttons shown at right will then control the DVD player.
Press "DVD" first.

Power
Input (TV)
Recall
Mute (TV)
Number buttons

Volume +/- (TV)
DVD
Pic Size (TV)

DVD MENU
▲▼ ◄►
ENTER
DVD controls
DVD Skip/Search
◄◄ / ►►
TOP Menu
DVD Clear
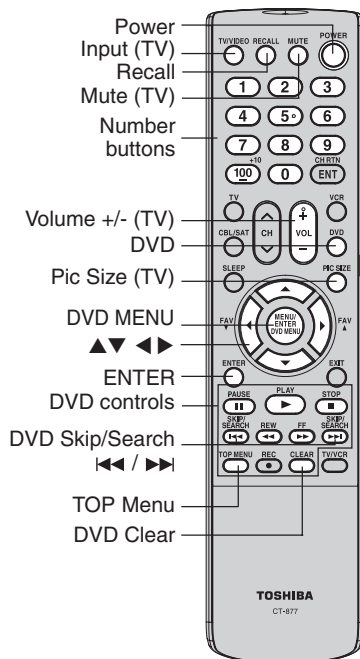
Programming the remote control to operate your other devices

This remote control is pre-programmed to operate Toshiba satellite receivers, VCRs and DVD players. To control cable TV converters/satellite receivers, VCRs and DVD players other than Toshiba models, you must follow the steps below to program your remote control.

1. Refer to the code tables (on pages 18 and 19) to find the corresponding code for your brand.
   If more than one code is listed, try each one separately until you find the one that works.
2. If you are programming the remote control to operate your:
   • Cable TV converter/satellite receiver: Press "CBL/SAT."
   • VCR: Press "VCR."
   • DVD player: Press "DVD."
3. While holding down RECALL, press the Channel Number buttons to enter the three-digit code for your cable TV converter/satellite receiver, VCR or DVD player brand.
4. Point the remote control at the cable TV converter/satellite receiver, VCR or DVD player, and press POWER to test the code.
   • If the cable TV converter/satellite receiver, VCR or DVD player responds, you entered the correct code.
   • If the cable TV converter/satellite receiver, VCR or DVD player does not respond, repeat steps 1–4 using another code.
5. Press "TV" to control the TV.

For future reference, write down the codes you used:

Cable TV converter/satellite receiver code _____

VCR code _____

DVD player code _____

Recall
Channel Numbers
TV
VCR
DVD
CBL/SAT
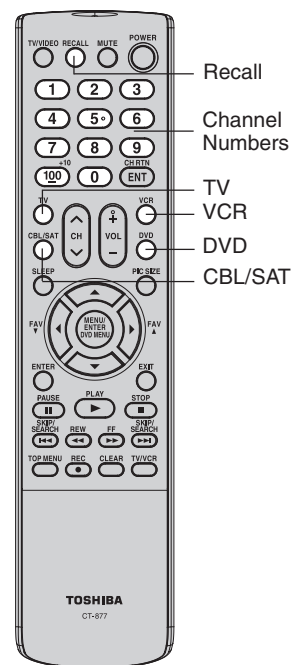
Notes:

• *When shipped from the factory, the remote control is set to operate your TV.*
• *If you do not enter the code within 10 seconds from step 1 or if you enter a code not listed below, this operation is canceled.*
• *Each time you replace the batteries, you must reprogram the remote control.*
• *Some newer VCRs are capable of working on either of two remote codes. These VCRs have a switch labeled "VCR1/VCR2." If your VCR has this kind of switch and does not respond to any of the codes for your VCR, set the switch to the other position (VCR1 or VCR2) and reprogram the remote control.*

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Cable TV converter/satellite receiver, VCR and DVD player code tables
[For CBL/SAT Mode]
CABLE Box

Brand	Code	Brand	Code	Brand	Code
ABC	061, 062, 063, 082, 084, 087, 091, 092, 096, 098	Jerrold	062, 069, 071, 082, 086, 089, 091, 096	Scientific Atlanta	063, 078, 079, 080, 088, 098, 101, 105
Archer	065, 092, 097, 099	Magnavox	072, 096	Sears	095
Cableview	064, 094	Memorex	091, 092, 104	Signature	062
Century	092	Multi Canal	090	Signature 2000	096
Citizen	090, 092, 097	Novavision	101	Sprucer	081, 085
Contec	083, 085, 086, 088, 093, 098	Panasonic	081, 083, 085	Starcom	069, 082, 087, 096, 103, 104
Diamond	093	Philco	087	Stargate	069, 090
Eagle	091	Philips	066, 067, 068, 070, 072, 073, 074, 075, 091, 092	Sylvania	095, 100
GE	061, 062			TeleView	090
Gemini	069, 070, 094	Pioneer	076, 077	Texscan	100
General Instruments	062, 089, 096	Proscan	061, 062	Tocom	071, 084, 085
Hamlin	093	Radio Shack	092, 097, 099	U. S. Electronics	087, 096, 098
Hitachi	062, 095, 096	RCA	064, 081	United Cable	082
Jasco	097	Realistic	065	Universal	065, 092, 097, 099, 102, 103
		Recoton	102		
		Samsung	077, 090	Wards	096

Satellite

Brand	Code	Brand	Code	Brand	Code
Alphastar	038, 059	Hughes Network Systems	019	Realistic	030
Chaparral	034			Samsung	059
DISH Network	057	Intersat	048	Sony	014, 055
Drake	020, 040, 044, 046, 050, 053	Janeil	027	Star Choice	057
		JVC	017, 057	Star Trak	025, 026, 037, 054
Echostar	018, 041, 051	Kenwood	029	STS	024
Express Vu	057	Magnavox	060	Toshiba	000, 001, 002, 003, 004, 005, 006, 007, 020, 031, 056
Fujitsu	027	Optimus	058		
GE	008, 009, 013	Pansat	036, 052		
General Instruments	010, 011, 012, 022, 023, 031, 049	Primestar	015, 042	Uniden	021, 028, 030, 032, 035, 039, 043, 045, 047, 058
		Proscan	008, 009, 013		
Hitachi	033	Radio Shack	022, 023, 030		
Hughes	033	RCA	008, 009, 013, 016	Zenith	027

[For VCR Mode]
VCR

Brand	Code	Brand	Code	Brand	Code
Admiral	049	Fuji	004, 041	Marantz	005, 006, 007, 012, 014, 026, 053, 067
Aiko	019	Funai	018, 073		
Aiwa	018	Garrard	018	Memorex	007, 009, 010, 016, 018, 034, 049, 063, 065, 066, 068, 075, 079
Akai	003, 004, 037, 038, 039, 058, 069	GE	001, 002, 009, 040, 042, 048, 056		
Audiovox	010	Go Video	056, 059, 061, 081		
Bell & Howell	007, 068	Goldstar	005, 010, 014, 054, 056, 065, 067	MGA	020, 028, 039
Broksonic	008, 017			MGN	056
Calix	010	Gradiente	018, 065	Minolta	024, 025, 035, 063
Carver	026	Harman Kardon	005	Mitsubishi	020, 024, 025, 028, 039, 043, 065
CCE	019	Hitachi	024, 025, 035, 037, 042, 063, 070, 080		
Citizen	009, 010, 011, 012, 013, 014, 015, 019, 057, 073			Montgomery Ward	049
		JBL	076	Motorola	049
		JC Penney	005, 006, 007, 008, 009, 010, 023, 024, 025, 026, 035, 056, 061, 063, 065	MTC	009, 046, 061
Colortyme	005			Multitech	009, 012, 018
Craig	009, 010, 016, 061, 065, 079			NEC	005, 006, 007, 012, 014, 037, 043, 053, 054, 067, 070
Curtis Mathes	001, 005, 009, 012, 014, 040, 048, 053, 056, 057	Jensen	024, 025, 037		
		JVC	005, 006, 007, 014, 037, 043, 062, 063, 068, 082	Nikko	010
Daewoo	011, 013, 015, 017, 018, 019, 057, 078			Noblex	009
		Kenwood	005, 006, 007, 012, 014, 037, 043, 053, 068, 071	Optimus	010, 049, 065
Daytron	078			Optonica	031
Denon	063	Kodak	010	Orion	054, 057, 062, 065, 068, 072
Dimensia	001, 048	LG	010	Panasonic	036, 045, 046, 057, 061, 072, 079
Electrohome	010, 020, 065	Lloyds	053, 073, 079	Pentax	012, 024, 025, 035, 042, 053, 063
Emerson	003, 008, 010, 011, 017, 018, 020, 028, 039, 054, 057, 062, 065, 068, 072	Logik	061		
		LXI	010	Pentex Research	014
		Magnasonic	061, 065, 078	Philco	026, 027, 063
Fisher	007, 016, 021, 022, 023, 057, 064, 068, 070, 071, 079	Magnavox	026, 027, 034, 044, 057, 061, 072	Philips	026, 031, 044, 057
				Pioneer	006, 024, 043, 055

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VCR (Continued)

Brand	Code	Brand	Code	Brand	Code
Portland	012, 013, 015	Sanyo	007, 009, 016, 054, 064, 068, 071, 075, 079, 085	Tashiko	010
Proscan	001, 002, 048			Tatung	037
Proton	061			Teac	018, 029, 037
Quasar	045	Scott	008, 011, 017, 028, 030, 057, 065, 072	Technics	036
Radio Shack	010, 031, 065			Teknika	010, 018, 065
Radio Shack/	007, 009, 010, 016,	Sears	007, 010, 016, 021, 022, 023, 024, 025, 035, 053, 057, 063, 064, 065, 068, 071, 075, 079	Toshiba	000, 011, 021, 023, 024, 028, 030, 039, 057, 074, 078, 079
Realistic	018, 020, 021, 022, 031, 049				
Radix	010			Totevision	009, 010, 065
RCA	001, 002, 003, 009, 024, 025, 029, 035, 040, 042, 045, 048, 055, 056, 063, 071, 083	Sharp	013, 020, 031, 049, 051, 060, 066	Unitec	073
		Shintom	004, 025, 032, 061	Unitech	009
		Signature	049	Vector Research	005, 006, 011, 012, 053
Realistic	007, 009, 010, 011, 016, 018, 020, 021, 022, 031, 049, 051, 056, 060, 065, 075, 079	Signature 2000	075	Video Concepts	005, 006, 011, 012, 039, 053
		Singer	047, 061		
		Sony	004, 032, 033, 041, 052, 058, 070, 074, 076, 077, 080	Wards	009, 010, 011, 016, 018, 020, 024, 025, 031, 035, 049, 051, 056, 057, 060, 065, 066, 079
Ricoh	047	STS	035		
Runco	034	Sylvania	018, 026, 027, 028, 044, 072	White Westinghouse	073
Samsung	009, 011, 038, 056, 073, 084			XR-1000	018
		Symphonic	018, 051, 053, 073, 079	Yamaha	005, 006, 007, 014, 037, 053
Sansui	006, 037, 043, 061	Tandy	007	Zenith	004, 032, 034, 041, 047, 069, 086

TV/VCR Combo

Brand	Code	Brand	Code	Brand	Code
Action	078	Precision	078	Toshiba	057
GE	059, 062	Quasar	065	Zenith	065
Goldstar	065	Realistic	079	Totevision	009, 010, 065
Panasonic	065	Sony	074		

[For DVD Mode]
DVD

Brand	Code	Brand	Code	Brand	Code
Aiwa	006, 015	Kenwood	037	Sampo	060
Apex	016, 017	Konka	008, 009	Samsung	061, 062, 086, 090
BOSE	097	Magnavox	004, 038	Sansui	073
Broksonic	018	Memorex	039	Sanyo	063, 091
Clarion	019	Mintek	040	Sharp	064, 067
Classic	020	NAD	026	Sherwood	074
Daewoo	021	Nakamichi	041	Sony	011, 012, 065, 066, 068, 069, 070
Denon	022, 023, 024, 025	Norcent	043		
Emerson	026, 027	Onkyo	044	Sylvania	027
Fisher	028	Oritron	058	Teac	071
Funai	027	Panasonic	010, 045, 046, 047, 048, 049, 050	Technics	072
GE	001, 029, 030			Techwood	075
Go Video	087	Philips	004, 051	Toshiba	000, 013, 076, 077, 078
GPX	031	Pioneer	052, 053, 054, 055		
Hitachi	005, 032, 033, 034, 035	Proscan	001, 056	Yamaha	079, 080, 081
		Qwestar	057, 058	Zenith	014, 082, 092
JVC	003, 007, 036, 042, 088	RCA	001, 002, 059, 089		

Portable DVD

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

HTIB

Brand	Code	Brand	Code	Brand	Code
Lasonic	083	Panasonic	084	Venturer	085

[For VCR and DVD Mode]
DVD/VCR Combo

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

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Learning about the remote control

POWER turns the TV on and off

SLEEP programs the TV to turn off at a set time (page 37)

TV/VIDEO selects the video input source (page 27)

CH ∧/∨ cycles through programmed channels (page 22)

TV selects TV mode

CBL/SAT selects CBL/SAT mode (page 16)

VCR selects VCR mode (page 16)

DVD selects DVD mode (page 17)

CHANNEL NUMBERS allow direct access to channels (page 23)

VOL +/- adjusts the volume level

CH RTN (Channel Return) returns to the last viewed channel (page 23)

MENU/ENTER allows access to programming menus, and sets programmed menu information (page 21)

FAV ▲/▼ (Favorite Channels) cycle through favorite channels (page 23)

MUTE turns off the sound (page 38)

RECALL displays status information on-screen (page 25)

EXIT closes on-screen menus (page 21)

PIC SIZE cycles through the five picture sizes: Natural, TheaterWide 1, 2, 3, and full (page 31)

STOP stops a videotape/DVD

REC starts recording a videotape

PLAY plays a videotape/DVD

FF fast forwards a videotape/DVD

REW rewinds a videotape/DVD

PAUSE pauses a videotape/DVD

TV/VCR toggles between TV and VCR modes when viewing while recording

DVD SKIP/SEARCH I◄◄ ►►I skips DVD chapter

DVD CLEAR clears input data in DVD mode

TOP MENU access the DVD TOP menu

DVD MENU access the DVD menu

Using the Remote Control

TV/Video
Recall
Channel Numbers
Channel ∧/∨
TV
CBL/SAT
Sleep
DVD Menu
Enter
Pause
Skip/Search
Rew
TOP Menu
Rec

POWER
Mute
Volume +/-
VCR
DVD
Picture Size
FAV ▲▼ (Favorite Channels)
Menu/Enter
Exit
Play
Stop
FF
TV/VCR
Clear

TOSHIBA
CT-877

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Setting up your TV

After you have installed the batteries and programmed the remote control, you need to set some preferences on the TV using the menu system. You can access the menu system with the buttons on the remote control.

- When you make a menu selection, your changes occur immediately. You do not have to press MENU or EXIT to see your changes.
- After 15 seconds, the menu screen will automatically close if you do not make a selection. Your changes will still be saved.
- When you are finished programming the menus, press EXIT.

Starting setup

The STARTING SETUP feature appears the first time you turn on the TV, and helps you select the menu language, specify the TV/CABLE setting, and program channels automatically.

IMPORTANT: You must connect an antenna or cable TV system first. See "Connecting your TV" on pages 7-15 for details.

1. Press POWER to turn on the TV. The starting setup function begins and the language setup menu appears on the screen. Press ▲ or ▼ to select your desired language, then press ENTER.

LANGUAGE / LANGUE / IDIOMA

ENGLISH
FRANÇAIS
ESPAÑOL

⊕ :SELECT   SET :ENTER

2. Press ▲ or ▼ to select "TV" or "CABLE", then press ENTER.
3. Press ▲ or ▼ to select "START", then press ENTER. If you select "CANCEL" and press ENTER, the STARTING SETUP stops and changes to the TV screen.
4. Now the "AUTO SETUP" starts. After the starting setup is completed, the TV channel appears on the screen.

   - If you press the EXIT button in the process of "AUTO SETUP" the STARTING SETUP stops and changes to the TV screen.
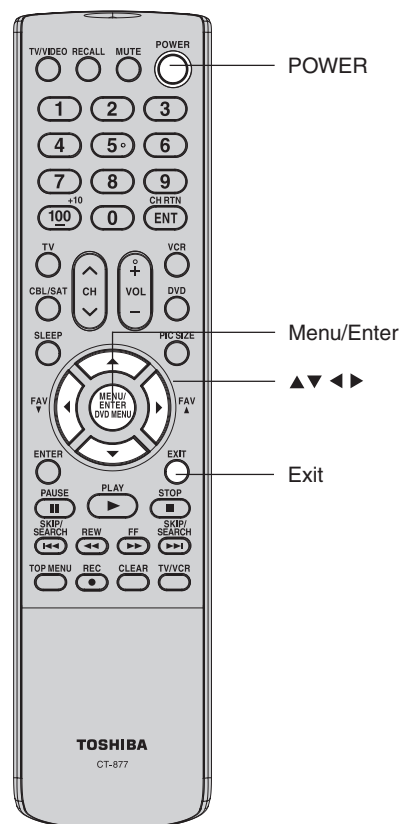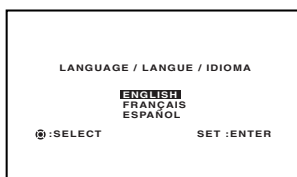
Changing the on-screen display language

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

To select a language:
1. Press MENU, then press ◄ or ► until the SETUP menu appears.

SETUP
LANGUAGE   ENGLISH
CLOCK SET   12:00AM
TV / CABLE   CABLE
CH PROGRAM   ►
ADD / ERASE   ADD
▼
⊕ :SELECT   ⊕ :ADJUST
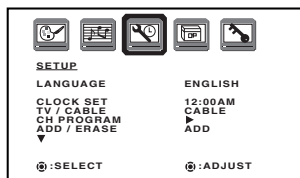
2. Press ▲ or ▼ to highlight LANGUAGE.

SETUP
LANGUAGE   ENGLISH / FRANÇAIS / ESPAÑOL
CLOCK SET   12:00AM
TV / CABLE   CABLE
CH PROGRAM   ►
ADD / ERASE   ADD
▼
⊕ :SELECT   ⊕ :ADJUST
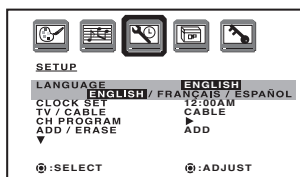
3. Press ◄ or ► to highlight your desired language.

POWER

Menu/Enter

▲▼ ◄ ►

Exit

Note:

The position and size of the on-screen menus change for some program formats (such as 1080i or 720p.)

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Image tilt correction

When you install or change the direction of the TV, the picture may become tilted (caused by the Earth's magnetism.) If this happens, use the image tilt correction feature to obtain the best possible picture.

To adjust the image tilt:

1. Press MENU, then press ◄ or ► until the SETUP menu appears.
2. Press ▲ or ▼ to highlight IMAGE TILT.
3. Press ◄ or ► to adjust the picture tilt (from −10 to 10.)

```
SETUP
CLOSED CAPTION       OFF
PICTURE SIZE         ►
PICTURE SCROLL       ►
CINEMA MODE          VIDEO
ASPECT               ON
IMAGE TILT           0  ◄━━━►
⊕:SELECT             ⊕:ADJUST
```

Adding channels to the TV's memory

When you press CH ∧ or ∨, your TV will stop only on the channels you have stored in the TV's channel memory. Follow the steps below to program channels into the channel memory.

Programming channels automatically

Your TV can automatically detect all active channels and store them in its memory. After the TV has stored the channels in its memory automatically, you can add or erase channels manually.

To add channels automatically:

1. Press MENU, then press ◄ or ► to display the SETUP menu.
2. Press ▲ or ▼ until the TV/CABLE selection is highlighted.
3. Press ◄ or ► to highlight either TV or CABLE, depending on which you use.
   If you use an antenna, choose TV.
   If you use cable, choose CABLE.
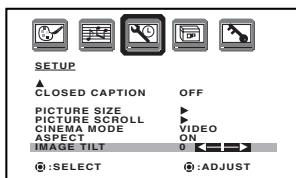
```
SETUP
LANGUAGE          ENGLISH
CLOCK SET         12:00AM
TV / CABLE        TV / CABLE
CH PROGRAM        ►
ADD / ERASE       ADD
⊕:SELECT          ⊕:ADJUST
```

4. Press ▼ until the CH PROGRAM selection is highlighted.
5. Press ◄ or ► 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.
6. When channel programming is complete, the message "COMPLETED" appears.
7. Press CH ∧ or ∨ to view the programmed channels.
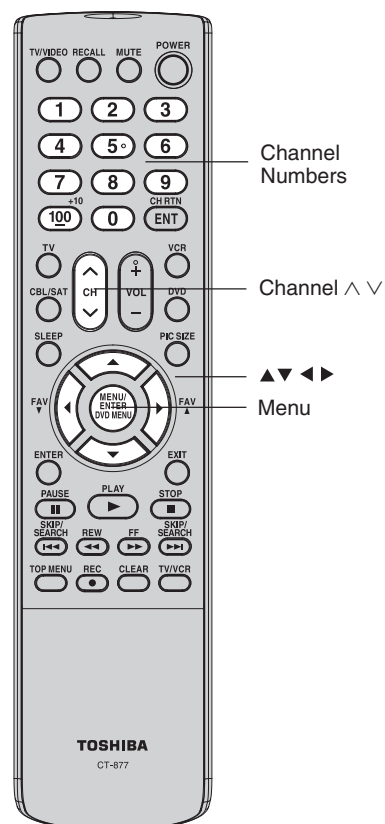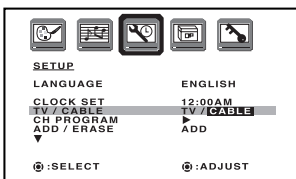
Adding and erasing channels manually

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

To add or erase channels manually:

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, then press ◄ or ► to display the SETUP menu.
3. Press ▲ or ▼ to highlight ADD/ERASE.

```
SETUP
LANGUAGE          ENGLISH
CLOCK SET         12:00AM
TV / CABLE        CABLE
CH PROGRAM        ►
ADD / ERASE       ADD / ERASE
⊕:SELECT          ⊕:ADJUST
```

4. Press ◄ or ► to select ADD or ERASE, whichever function you want to perform.
5. Repeat steps 1-4 for other channels you want to add or erase.

Setting up your TV

Channel Numbers

Channel ∧ ∨

▲▼ ◄ ►

Menu

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Appendix
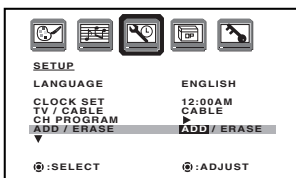
Changing channels

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

To change to a specific channel (programmed or unprogrammed):
Press the Channel Number buttons (0-9 and 100) on the remote control.
For example, to select channel 125, press 100, 2, 5.

Using the TV's features

Adjusting the channel settings

Switching between two channels

You can switch between two channels without entering an actual channel number each time.

To switch between two channels:
1. Select the first channel 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 be displayed.
Each time you press CH RTN, the TV will switch back and forth between the two channels.

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.
You can still use Channel ∧/∨ to scan through all the channels you programmed in the TV's memory.

To program your favorite channels:
1. Select a channel you want to program as a favorite channel.
2. Press MENU, then press ◄ or ► to display the OPTION menu.
3. Press ▲ or ▼ to highlight FAVORITE CH.
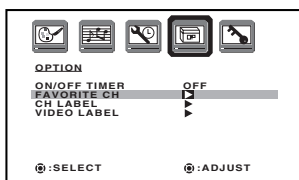
```
OPTION
ON/OFF TIMER          OFF
FAVORITE CH           ►
CH LABEL              ►
VIDEO LABEL           ►

⊕ :SELECT        ⊕ :ADJUST
```

4. Press ◄ or ► to display the FAVORITE CH menu. SET/CLEAR will be highlighted.

```
FAVORITE CH   :CH 002
SET / CLEAR
SETUP CH     0    0    0    0
TV CABLE     0    0    0    0
             0    0    0    0

⊕ :ADJUST        SET :ENTER
                 END :EXIT
```

5. Press ◄ or ► to highlight SET and press ENTER.
6. Press EXIT to return to normal viewing.
7. Repeat steps 1-6 for up to 12 channels.

To select your favorite channels:
Press the FAV ▲ ▼ buttons on the remote control to select your favorite channels.
The FAV ▲ ▼ buttons will not work until you have programmed your favorite channels.
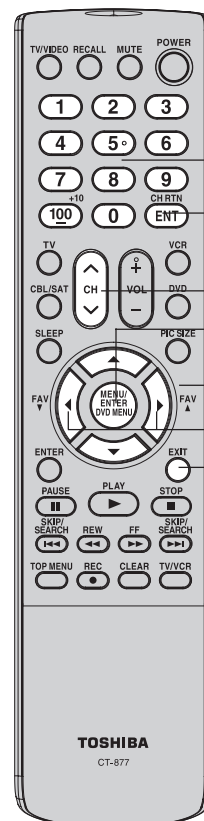
Channel Numbers

CH RTN

Channel ∧∨

Menu/ Enter

▲▼ ◄►

FAV ▲ ▼

Exit

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To clear your favorite channels:
1. Select a channel you want to clear.
2. Press MENU, then press ◄ or ► to display the OPTION menu.
3. Press ▲ or ▼ to highlight FAVORITE CH.
4. Press ◄ or ► to display the FAVORITE CH menu. SET/CLEAR will be highlighted.
5. Press ◄ or ► to highlight CLEAR.

```
FAVORITE CH   :CH 002
SET / CLEAR
SETUP CH      002   0    0    0
                0    0    0    0
TV CABLE        0    0    0    0

⊕:ADJUST            CLEAR:ENTER
                      END:EXIT
```
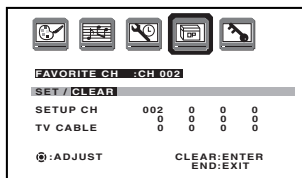
6. Press ENTER until "0" replaces the channel number you want to erase.
7. Press EXIT to return to normal viewing.
8. Repeat steps 1-6 for the other channels.

Using the LOCKS menu

Note: The V-Chip feature is available for the U.S. V-Chip system only. The Canadian V-Chip system is not supported.
You can prevent others from viewing certain programs or channels by blocking them using the V-Chip feature.

Selecting a password

Before you can use the V-Chip feature to block programs and channels, you must select a password. The password you select prevents others from changing the rating limits you set.

To select your password and access the LOCKS menu:
1. Press MENU, then press ◄ or ► to highlight the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.

```
LOCKS
NEW PASSWORD        – – – –



SELECT:[0-9]        SET :ENTER
                    END:EXIT
```
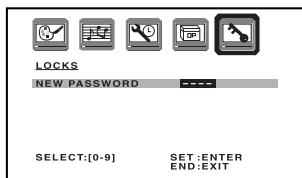
3. Use the Channel Number buttons (0-9) to enter your password. If you are accessing the LOCKS menu for the first time, select a four-digit number to be your password. Press ENTER.
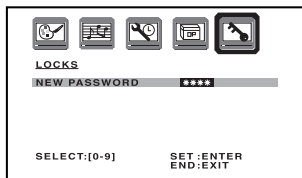
```
LOCKS
NEW PASSWORD        ■■■■



SELECT:[0-9]        SET :ENTER
                    END:EXIT
```

4. Enter the password again to confirm it, and then press ENTER. The LOCKS menu appears.

```
LOCKS
CONFIRM PASSWORD    ■■■■



SELECT:[0-9]        SET :ENTER
                    END:EXIT
```

Channel Numbers

Channel ∧∨

Menu/ Enter

▲▼ ◄ ►

Exit

Note:

The password you programmed is also used in the LOCKS menu; see pages 26-28.

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5. You may now set up the LOCKS menu. See "Using the V-Chip (parental control) feature" (below), "Locking channels" (page 26), "Locking video inputs" (page 27), "Setting the GameTimer™" (page 27) or "Using the front panel lock feature" (page 28.)

To change your password:
1. Press MENU, then press ◄ or ► to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password. Press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight NEW PASSWORD and press ◄ or ► to display the NEW PASSWORD menu.
5. Use the Channel Number buttons (0-9) to enter a new code. Press ENTER.
6. Enter the password again to confirm it, and then press ENTER.
7. Press EXIT to return to normal viewing.

Using the V-Chip (parental control) feature

The Motion Picture Association of America (MPAA) uses a rating system to qualify motion picture content. Television broadcasters employ a rating system to qualify the content of television programs, as well. The TV and MOVIE ratings work with the V-Chip feature and allow you to block programs according to the rating limits you set.
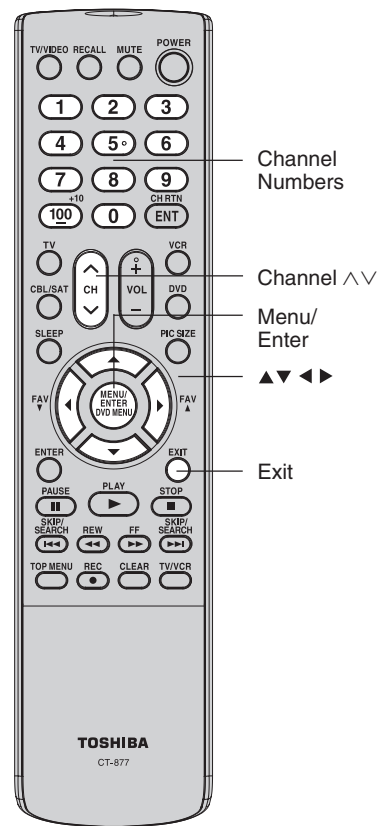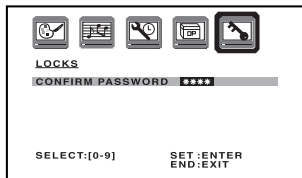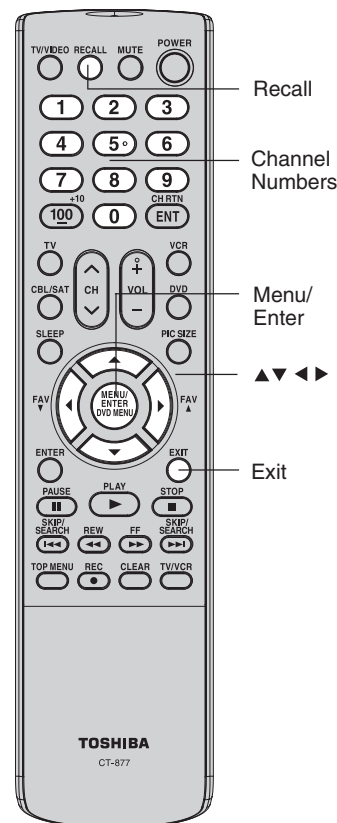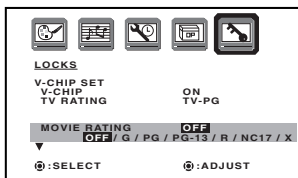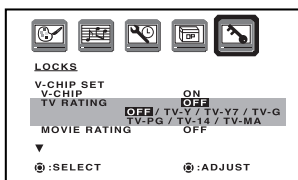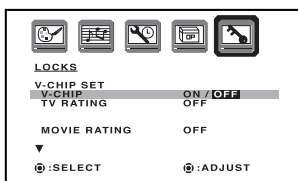
To use the V-Chip to block programs by rating:
1. Press MENU, then press ◄ or ► to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password. Press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight V-CHIP.
   • Press ◄ or ► to highlight ON to enable V-Chip program blocking by rating.
   • Press ◄ or ► to highlight OFF to disable V-Chip program blocking by rating.
5. Press ▲ or ▼ to highlight TV RATING. Then, press ◄ or ► to display the desired rating.

   OFF : TV RATING is not set
   TV-Y : All children
   TV-Y7 : 7 years old and above
   TV-G : General audience
   TV-PG : Parental guidance
   TV-14 : 14 years old and above
   TV-MA : 17 years old and above

   • When you select TV-Y7, TV-PG, TV-14, or TV-MA, press **RECALL** to explain the rating. Press ▲ or ▼ to select the desired rating you want. Press ◄ or ► to select the setting "ON" or "OFF."

6. Press ▲ or ▼ to highlight MOVIE RATING. Then, press ◄ or ► to display the desired rating.

   OFF : MOVIE RATING is not set (no movies will be blocked)
   G : All ages
   PG : Parental guidance
   PG-13 : Parental guidance less than 13 years old
   R : Under 17 years old Parental guidance suggested
   NC17 : 17 years old and above
   X : Adult only

Recall

Channel Numbers

Menu/ Enter

▲▼ ◄ ►

Exit

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LOCKS
V-CHIP SET
V-CHIP   ON / OFF
TV RATING   OFF

   MOVIE RATING OFF
▼
⊕:SELECT   ⊕:ADJUST

LOCKS
V-CHIP SET
V-CHIP   ON
TV RATING   OFF
                OFF / TV-Y / TV-Y7 / TV-G
                TV-PG / TV-14 / TV-MA
MOVIE RATING   OFF
▼
⊕:SELECT   ⊕:ADJUST

Note:

If you forget your password, press RECALL four times within five seconds while the TV is in password entering mode. This allows you to reset your password.

LOCKS
V-CHIP SET
V-CHIP   ON
TV RATING   TV-PG

MOVIE RATING   OFF
                OFF / G / PG / PG-13 / R / NC17 / X
▼
⊕:SELECT   ⊕:ADJUST

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7. When you are done selecting the ratings, press EXIT to return to normal viewing.
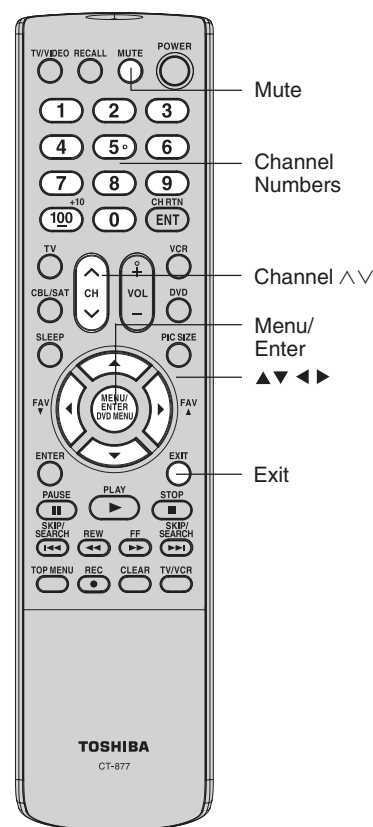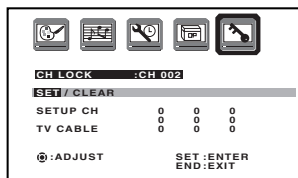
When you try to view a program with a ratings block, a message will appear listing the program's ratings. The program can still be viewed if you press MUTE and then enter your password to temporarily bypass the block.

Locking channels

With the CH LOCK feature, you can lock specific channels. You will not be able to tune locked channels unless you clear the setting. You can choose to lock up to nine TV channels and nine cable channels.

To lock channels:
1. Select a channel you want to lock.
2. Press MENU, then press ◄ or ► to display the LOCKS menu.
3. Press ▲ or ▼ to display the password entering mode.
4. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
5. Press ▲ or ▼ to highlight CH LOCK and press ◄ or ► to display the CH LOCK menu.
6. Press ◄ or ► to select the following:
   - SET– to set the channel as one to be locked. Then press ENTER.
   - CLEAR– to clear all channels from the list of locked channels. Then press ENTER.
7. Repeat steps 1 through 6 to lock other channels. When you are finished locking channels, press EXIT to return to normal viewing.

If you try to tune a locked channel, the TV will not display it, but will display the nearest unlocked channel.

To unlock channels:
1. Press MENU, then press ◄ or ► to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight CH LOCK and press ◄ or ► to display the CH LOCK menu.
5. Press ◄ or ► to highlight CLEAR and clear all channels from the list of locked channels. Press ENTER.
6. Press EXIT to return to normal viewing.

LOCKS

LOCK
CH LOCK
VIDEO LOCK   OFF
GAME TIMER   OFF
FRONT PANEL LOCK   OFF
NEW PASSWORD   ►
⊕:SELECT   ⊕:ADJUST

CH LOCK   :CH 002
SET / CLEAR
SETUP CH   0   0   0
TV CABLE   0   0   0
               0   0   0
⊕:ADJUST   SET :ENTER
              END:EXIT

Mute

Channel Numbers

Channel ∧∨

Menu/ Enter
▲▼ ◄ ►

Exit

Note:
After programming CH LOCK, change channels before turning off the television.

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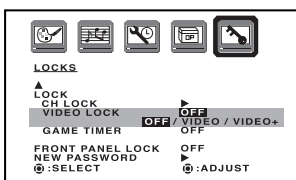
Locking the video inputs

With the VIDEO LOCK feature, you can lock out the input sources (VIDEO1, VIDEO2, VIDEO3, 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. Press MENU, then press ◄ or ► to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight VIDEO LOCK.
5. Press ◄ or ► to select:
   • **OFF:** Unlocks all video input sources.
   • **VIDEO:** Locks VIDEO1, VIDEO2, VIDEO3, COLORSTREAM HD1, COLORSTREAM HD2, and HDMI.
   • **VIDEO +**: Locks VIDEO1, VIDEO2, VIDEO3, COLORSTREAM HD1, COLORSTREAM HD2, HDMI, channel 3, and channel 4. This option should be used if you use the antenna terminal to play a video tape.
6. Press EXIT to return to normal viewing.

To unlock the video inputs:
1. Press MENU, then press ◄ or ► to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight VIDEO LOCK and press ◄ or ► to highlight OFF.
5. Press EXIT to return to normal viewing.

Setting the GameTimer™

With the GameTimer™ feature, you can automatically activate the VIDEO LOCK feature (VIDEO setting) to set a time limit for playing a video game (30, 60, 90, or 120 minutes.)

To set up the GameTimer:
1. Press MENU, then press ◄ or ► to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight GAME TIMER.
5. Press ◄ or ► to select a time limit (30 minutes, 60 minutes, 90 minutes, 120 minutes, or OFF.)
6. Press EXIT to return to normal viewing. After the GameTimer is programmed, the display will appear briefly every ten minutes to remind you that the GameTimer is operating.
   When the programmed time is reached, the TV will change channels automatically and enter VIDEO LOCK mode.

TV/Video

Channel
Numbers

Menu/
Enter

▲▼ ◄ ►

Exit
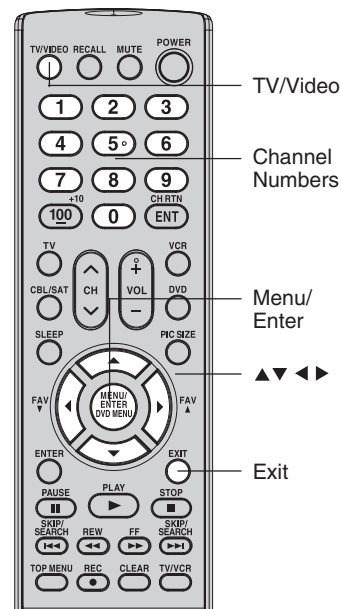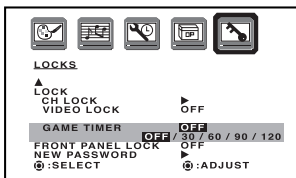
Note:

After programming VIDEO LOCK, change channels or press the TV/VIDEO key before turning off the television.

Notes:
• *Interactive video games that involve shooting a gun type of joy-stick at an on-screen target may not work on this TV.*
• *To deactivate the GameTimer, set the VIDEO LOCK to OFF (see "Locking the video inputs" above.)*

LOCKS

LOCK
CH LOCK
VIDEO LOCK   OFF / VIDEO / VIDEO+
GAME TIMER   OFF
FRONT PANEL LOCK   OFF
NEW PASSWORD
⊕:SELECT   :ADJUST

LOCKS

LOCK
CH LOCK
VIDEO LOCK   OFF
GAME TIMER   OFF / 30 / 60 / 90 / 120
FRONT PANEL LOCK   OFF
NEW PASSWORD
⊕:SELECT   :ADJUST

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Using the front panel lock feature

You can lock the front panel buttons to prevent your settings from being changed accidentally (by children, for example). When the front panel lock is in ON, all control buttons on the TV front panel (except POWER) do not operate.
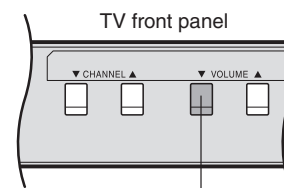
To lock the front panel:
1. Press MENU, then press ◄ or ► to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight FRONT PANEL LOCK and press ◄ or ► to highlight ON.
   If a button on the front panel is pressed, the message "NOT AVAILABLE" appears.
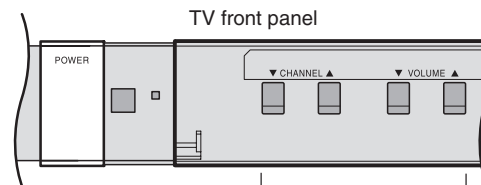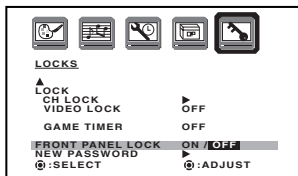
To unlock the front panel:
Press and hold the VOL ▼ button on the TV front panel for about 10 seconds until the message "FRONT PANEL LOCK:OFF" appears on-screen.

You also can unlock the front panel using the menus:
1. Press MENU, and then press ◄ or ► to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight FRONT PANEL LOCK, and then press ◄ or ► to highlight OFF.
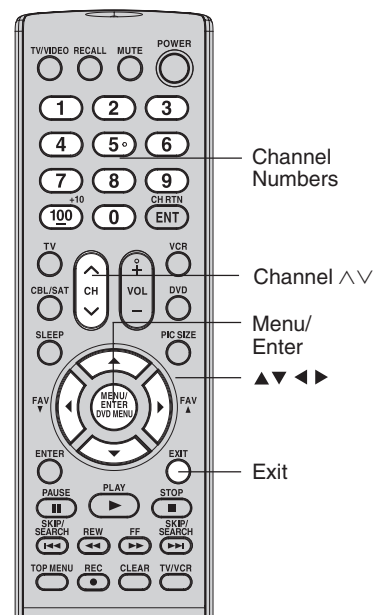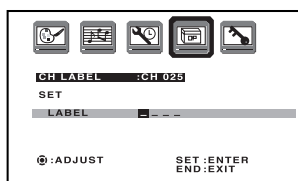
Labeling channels

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

To create channel labels:
1. Select a channel you want to label.
2. Press MENU, then press ◄ or ► until the OPTION menu appears.
3. Press ▲ or ▼ to highlight CH LABEL.
4. Press ◄ or ► to display the CH LABEL menu. SET/CLEAR will be highlighted.
5. Press ◄ or ► to highlight SET.
6. Press ▲ or ▼ to highlight LABEL.
7. Press ◄ or ► to enter a character in the first space. Press the button repeatedly until the character you want appears on the screen. Press ENTER.
8. Repeat step 7 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.
9. Repeat steps 1-8 for other channels. You can assign a label to each channel.
10. Press EXIT to return to normal viewing.

TV front panel

Buttons to be locked

TV front panel

VOL ▼

LOCKS
LOCK
CH LOCK   ►
VIDEO LOCK   OFF
GAME TIMER   OFF
FRONT PANEL LOCK ON / OFF
NEW PASSWORD   ►
⊕:SELECT   ⊕:ADJUST

OPTION
ON/OFF TIMER   OFF
FAVORITE CH   ►
CH LABEL   ►
VIDEO LABEL
⊕:SELECT   ⊕:ADJUST

CH LABEL   :CH 025
SET / CLEAR
LABEL   _ _ _ _
⊕:ADJUST   SET :ENTER
           END:EXIT

CH LABEL   :CH 025
SET
LABEL   ▉_ _ _
⊕:ADJUST   SET :ENTER
           END:EXIT

Channel Numbers

Channel ∧∨

Menu/ Enter

▲▼ ◄ ►

Exit
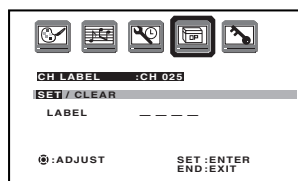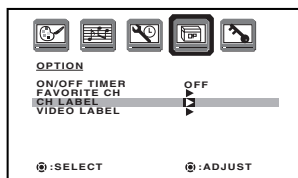
Note:
The character will change as below.

— ⟷ 0 · · · 9 ⟷ A · · · Z
⟷ SPACE ⟷ + ⟷ —

To erase channel labels:
1. Select a channel with a label.
2. Press MENU, then press ◄ or ► until the OPTION menu appears.
3. Press ▲ or ▼ to highlight CH LABEL.
4. Press ◄ or ► to display the CH LABEL menu. SET/CLEAR will be highlighted.
5. Press ◄ or ► to highlight CLEAR.
6. Press ENTER.
7. Repeat steps 1-6 to erase other channel labels.

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Selecting the video input source
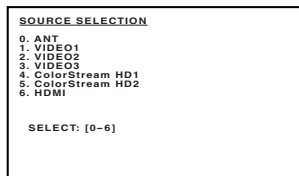
Press TV/VIDEO to view a signal from another device connected to your TV, such as a VCR or DVD player. You can select ANT, VIDEO 1, VIDEO 2, VIDEO 3, ColorStream HD1, ColorStream HD2, or HDMI depending on which input jacks you used to connect your devices (see "Connecting your TV" on page 7.)

```
SOURCE SELECTION

0. ANT
1. VIDEO1
2. VIDEO2
3. VIDEO3
4. ColorStream HD1
5. ColorStream HD2
6. HDMI


  SELECT: [0~6]
```

Pressing TV/VIDEO on the remote control displays the current signal source (press TV/VIDEO again or 0-6 to change)

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 ► to display the OPTION menu.
2. Press ▲ or ▼ to highlight VIDEO LABEL.
3. Press ► to display the VIDEO LABEL menu.
4. Press ▲ or ▼ to highlight the video source you want to label.
5. Press ◄ or ► to select the desired label for that input source.
6. Press EXIT to return to normal viewing.

```
OPTION

ON/OFF TIMER          OFF
FAVORITE CH            ►
CH LABEL               ►
VIDEO LABEL

⊕:SELECT              ⊕:ADJUST
```

```
OPTION

1.VIDEO1        ■/ VCR / DVD / DTV
2.VIDEO2                  SAT / CBL
3.VIDEO3          –
4.ColorStream  HD1  –
5.ColorStream  HD2  –
6.HDMI            –

⊕:SELECT              ⊕:ADJUST
```
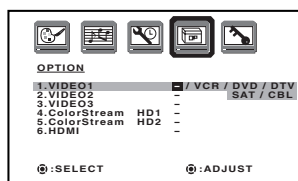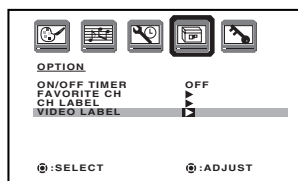
Note:

When ColorStream HD 1, HD 2, or HDMI is selected, the video OUT jack does not output a signal. To receive a video OUT signal, you must use a standard video or S-video connection instead.
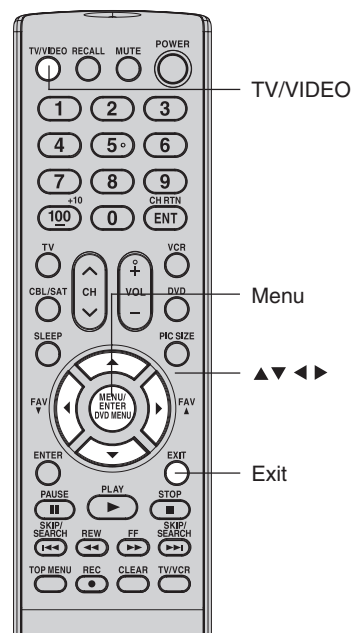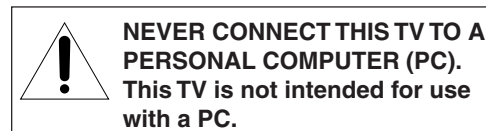
> ⚠ **NEVER CONNECT THIS TV TO A PERSONAL COMPUTER (PC). This TV is not intended for use with a PC.**

TV/VIDEO

Menu

▲▼ ◄ ►

Exit

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Setting the clock

You must set the clock before you can program the ON/OFF timer.

To set the clock: (Example: 8:30 AM)
1. Press MENU, then press ◀ or ▶ to display the SETUP menu.
2. Press ▲ or ▼ to highlight CLOCK SET.
3. Press ◀ or ▶ to highlight the hour position.
4. Press ▲ or ▼ to set the hour, then press ▶ to highlight the minute position.
5. Press ▲ or ▼ to set the minutes, then press EXIT to return to normal viewing.

```
SETUP
LANGUAGE          ENGLISH
CLOCK SET         12:00AM
TV / CABLE        CABLE
CH PROGRAM        ▶
ADD / ERASE       ADD
▼
⊕:SELECT          ⊕:ADJUST
```

```
SETUP
LANGUAGE          ENGLISH
CLOCK SET         8:30AM
TV / CABLE        CABLE
CH PROGRAM        ▶
ADD / ERASE       ADD
▼
⊕:SELECT          ⊕:ADJUST
```

Setting the ON/OFF timer

This feature allows you to program the TV to turn on or off automatically at a set time. If you program the ON TIMER to "DAILY," the TV will turn on every day at the same time to the same channel until you clear the ON TIMER.

To set the on timer: (Example: Turning on the TV to channel 012 at 6:30 AM, DAILY)
1. Set the clock, if you have not already done so (see above.)
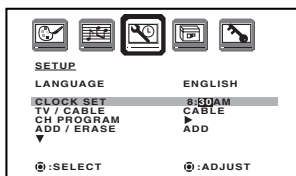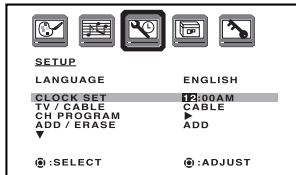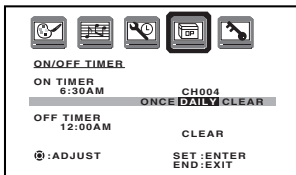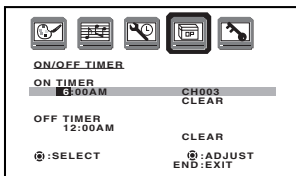2. Press MENU, and then press ◀ or ▶ to display the OPTION menu.
3. Press ▲ or ▼ to highlight ON/OFF TIMER.
4. Press ◀ or ▶ to highlight SET, then press ENTER. The ON/OFF TIMER menu appears.
5. Press ▲ or ▼ to highlight ON TIMER, then press ▶ to highlight the hour position.
6. Press ▲ or ▼ to set the desired hour, then press ▶.

```
ON/OFF TIMER
ON TIMER
  6:00AM          CH003
                  CLEAR
OFF TIMER
 12:00AM
                  CLEAR
⊕:SELECT          ⊕:ADJUST
                  END:EXIT
```

7. Set the desired minutes and channel, as in step 6.
8. Press ◀ or ▶ to select ONCE or DAILY, then press ENTER.
9. Press EXIT to return to normal viewing.

```
ON/OFF TIMER
ON TIMER
  6:30AM          CH004
                  ONCE DAILY CLEAR
OFF TIMER
 12:00AM
                  CLEAR
⊕:ADJUST          SET :ENTER
                  END:EXIT
```

To set the off timer:
Select OFF TIMER in step 5 above.

Set the desired hour, minutes, and ONCE/DAILY

as to set the on timer.

To cancel the on timer (off timer):
Select CLEAR in step 8 above.
Press EXIT to return to normal viewing.

Menu/
Enter

▲▼ ◀▶

Exit
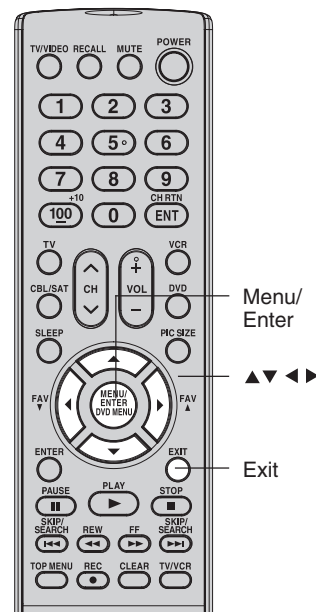
Note:
If the power source for the TV is interrupted (for example, the power cord is unplugged or a power failure occurs), you will need to reset the clock.

Note:
After a power failure or disconnection of the power, the timer settings will be lost.

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

You can view 480i and 480p format programs in a variety of picture sizes—Natural, TheaterWide 1, TheaterWide 2, TheaterWide 3, and Full.
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 WIDE1
2: THEATER WIDE2
3: THEATER WIDE3
4: FULL


SELECT: [0·4]
```

Natural picture size

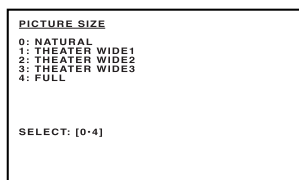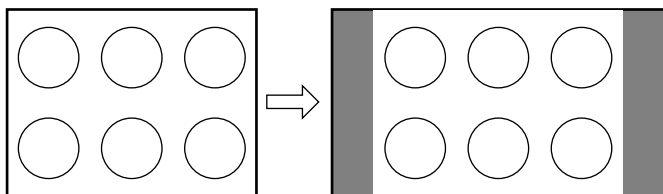• The image is displayed close to its originally formatted proportion. Some program formats will display with side bars and/or bars at the top and bottom.

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


Conventional (4:3) picture on a conventional TV screen

Conventional (4:3) picture in Natural size on your wide-screen TV

TheaterWide 1 picture size (for 4:3 format programs)

• The center of the picture remains close to its original proportion, but the left and right edges are stretched wider to fill the screen.
• The top and bottom edges of the picture may be hidden; however, this mode cannot be scrolled.
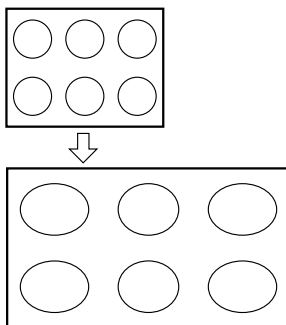
TheaterWide 1 picture size example

0-4

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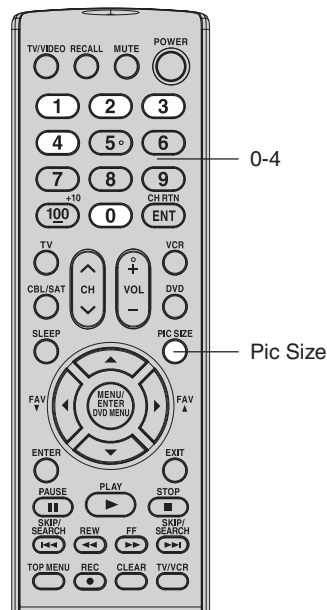
Note:
You also can change the picture size by selecting PICTURE SIZE in the SETUP menu.


```
SETUP
CLOSED CAPTION      OFF
PICTURE SIZE        ▶
PICTURE SCROLL
CINEMA MODE         VIDEO
ASPECT              ON
IMAGE TILT          0
:SELECT         :ADJUST
```
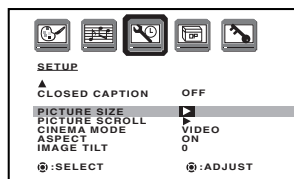
Notes:
• *The PICTURE SIZE feature is not available for some program formats (such as 1080i or 720p.) Such formats will display in Natural picture size.*
• *If you select TheaterWide 2 or 3, the top and bottom edges of the picture may be hidden. To see the hidden edges, either scroll the picture (see page 33) or try viewing the program in Full picture size.*

NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE
Avoid displaying stationary images on your TV screen for extended periods of time. Fixed (non-moving) images (such as black/gray bars in wide-screen picture formats, video game patterns, TV station logos, closed captions) can become permanently ingrained in the picture tube. **This type of damage is NOT COVERED BY YOUR WARRANTY.**

• *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.*

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TheaterWide 2 picture size (for letter box programs)

- The picture is stretched the same amount both wider and taller (retains its original proportion).
- The top and bottom edges of the picture may be hidden. To view the hidden areas, see "Scrolling the TheaterWide picture" on page 33.
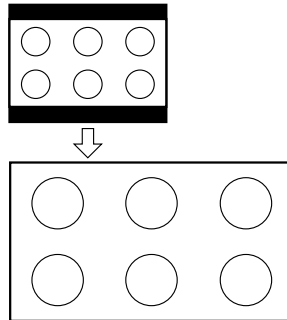
TheaterWide 2 picture size example

TheaterWide 3 picture size (for letter box programs with subtitles)

- The picture is stretched wider to fill the width of the screen, but only slightly stretched taller.
- The top and bottom edges of the picture may be hidden. To view the hidden areas (such as subtitles or captions), see "Scrolling the TheaterWide picture" on page 33.
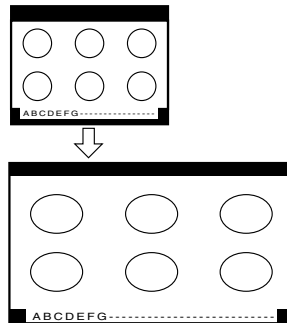
TheaterWide 3 picture size example

Full picture size (for 16:9 source programs)

- If receiving a 4:3 format program, the picture is stretched wider to fill the width of the screen, but not stretched taller.
- None of the picture is hidden.
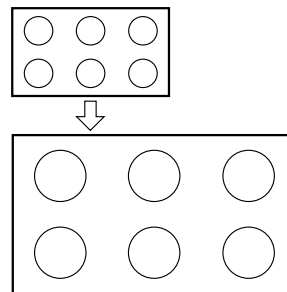
Full picture size example

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.

NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE
Avoid displaying stationary images on your TV screen for extended periods of time. Fixed (non-moving) images (such as black/gray bars in wide-screen picture formats, video game patterns, TV station logos, closed captions) can become permanently ingrained in the picture tube. **This type of damage is NOT COVERED BY YOUR WARRANTY.**

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Scrolling the TheaterWide® picture (TheaterWide 2 and 3 only)

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

```
SETUP
▲
CLOSED CAPTION      OFF
PICTURE SIZE
PICTURE SCROLL
CINEMA MODE         VIDEO
ASPECT              ON
IMAGE TILT          0
⊙:SELECT            ⊙:ADJUST
```
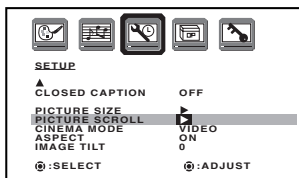
4. Press ◄ or ► to display the Scroll Adjustment mode.

```
SCROLL ADJUSTMENT    0
⊙ : TO ADJUST
```
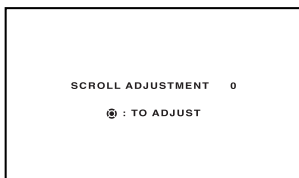
5. Press ▲ or ▼ to adjust the vertical position of the picture.
   • Normal (center) position

```
SCROLL ADJUSTMENT    0
⊙ : TO ADJUST
```
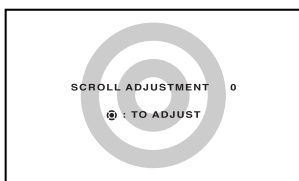
   • To raise the picture, press ▲.

```
SCROLL ADJUSTMENT    +20
⊙ : TO ADJUST
```
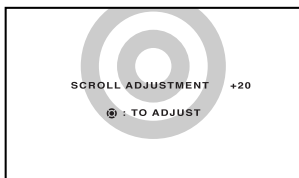
   • To lower the picture, press ▼.

```
SCROLL ADJUSTMENT    −10
⊙ : TO ADJUST
```

Pic Size

▲▼ ◄ ►

Menu
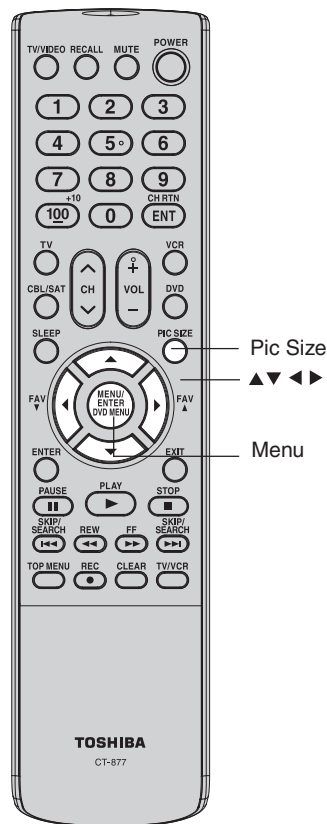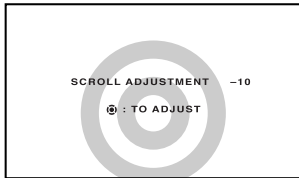
Note:
You can scroll the picture in TheaterWide 2 and TheaterWide 3 only. The scroll amounts are as follows:
* *480i/480p signal source:*
  Wide 1 : Not adjustable
  Wide 2 : -10 to +20
  Wide 3 : -10 to +20

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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 SETUP menu appears.
2. Press ▲ or ▼ to highlight CINEMA MODE, and then press ◄ or ► to select FILM.

```
          [icons]
SETUP
▲
CLOSED CAPTION      OFF
PICTURE SIZE        ►
PICTURE SCROLL      ►
CINEMA MODE         FILM / VIDEO
ASPECT              ON
IMAGE TILT          0
⊕:SELECT          ⊕:ADJUST
```

To set the CINEMA MODE to VIDEO (off):

Press ◄ or ► to select VIDEO in step 2 above.

Using the ASPECT feature

When the 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 ASPECT is ON)
4:3 Normal	Natural
16:9 Full	Full
4:3 Letter box	TheaterWide 2
Not defined	User-set mode

If the signal does not include aspect information, the picture size you selected on pages 31 and 32 is displayed.

To turn on the ASPECT feature:

1. Press MENU, and then press ◄ or ► until the SETUP menu appears.
2. Press ▲ or ▼ to highlight ASPECT, and then press ◄ or ► to select ON.

```
          [icons]
SETUP
▲
CLOSED CAPTION      OFF
PICTURE SIZE        ►
PICTURE SCROLL      ►
CINEMA MODE         VIDEO
ASPECT              ON / OFF
IMAGE TILT          0
⊕:SELECT          ⊕:ADJUST
```
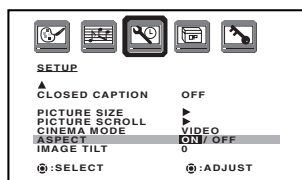
Selecting the display format (for 480p signals only)

This feature converts a 480p input signal to 540p or 1080i.

To select the display format:

1. Press MENU, and then press ◄ or ► until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight DISPLAY FORMAT.
3. Press ◄ or ► to select 540p or 1080i.

```
          [icons]
PICTURE
CableClear          ON
COLOR
TEMPERATURE         COOL
DISPLAY FORMAT      540p / 1080i
SVM                 HIGH
RESET               ►
⊕:SELECT          ⊕:ADJUST
```

▲▼ ◄►

Menu
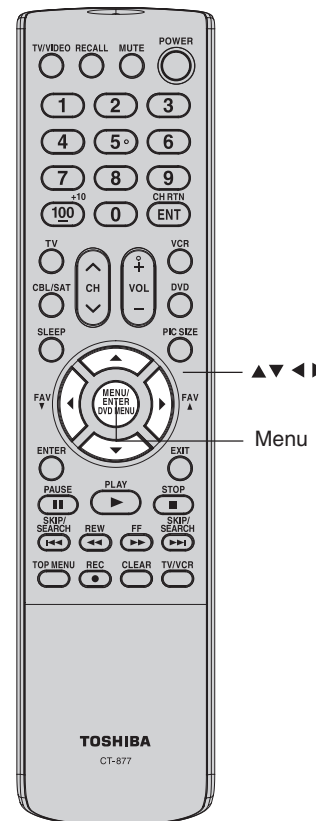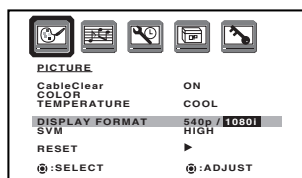
Notes:

- *The DISPLAY FORMAT feature is available only for 480p input. 1080i is always output when a signal other than 480p is input.*
- *If you notice flickering in a 480p image, try setting the DISPLAY FORMAT to 540p.*

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Adjusting the picture

Selecting the picture mode

You can select four picture modes—Sports, Standard, Movie, and Memory—as described in the following table:

Mode	Picture Quality
SPORTS	Bright and dynamic picture (factory-set)
STANDARD	Standard picture quality (factory-set)
MOVIE	Movie-like picture setting (factory-set)
MEMORY	Your personal preferences (set by you; see "Adjusting the picture quality")

To select the picture mode:
1. Press MENU, then press ◀ or ▶ to display the PICTURE menu.
2. Press ▲ or ▼ to highlight MODE.
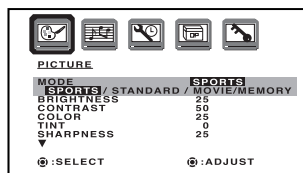
```
PICTURE
MODE
SPORTS / STANDARD / MOVIE/MEMORY        SPORTS
BRIGHTNESS                25
CONTRAST                  50
COLOR                     25
TINT                       0
SHARPNESS                 25
▼
⊕:SELECT              ⊕:ADJUST
```

3. Press ◀ or ▶ to highlight the mode you prefer.
4. Press EXIT to return to normal viewing.

Adjusting the picture quality

You can adjust the picture quality to your personal preferences, including the brightness, contrast, color, tint, and sharpness. The qualities you choose will be stored automatically in your TV's memory so you can recall them at any time.

To adjust the picture quality:
1. Press MENU, then press ◀ or ▶ to display the PICTURE menu.
2. Press ▲ or ▼ until the item you want to adjust is highlighted.

```
PICTURE
MODE                    SPORTS
BRIGHTNESS                25
CONTRAST                  50
COLOR                     25
TINT                       0
SHARPNESS                 25
▼
⊕:SELECT              ⊕:ADJUST
```
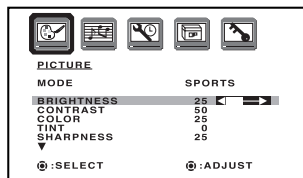
3. Press ◀ or ▶ to adjust the level.

Selection	◀ Pressing ▶	
BRIGHTNESS	darker	lighter
CONTRAST	lower	higher
COLOR	paler	deeper
TINT	reddish	greenish
SHARPNESS	softer	sharper

4. Press EXIT to return to normal viewing.
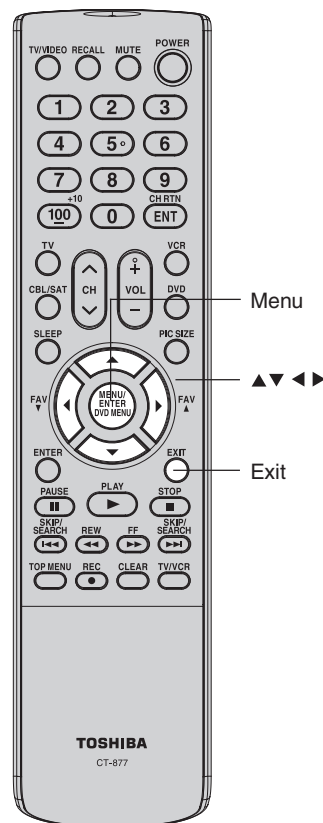
Menu

▲▼◀▶

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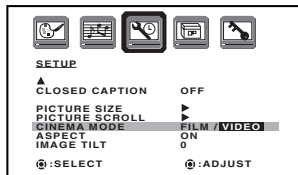## Selecting the color temperature

Change the picture quality by selecting from three preset color temperatures—cool, medium, and warm—as described in the following table:

Mode	Picture Quality
COOL	Blueish
MEDIUM	Neutral
WARM	Reddish

To select the color temperature:
1. Press MENU, then press ◄ or ► to display the PICTURE menu.
2. Press ▲ or ▼ to highlight COLOR TEMPERATURE.

```
        [icons]
   PICTURE
   CableClear          ON
   COLOR
   TEMPERATURE         COOL
                       COOL / MEDIUM / WARM
   DISPLAY FORMAT      1080i
   SVM                 HIGH
   RESET               ►
   ⊕:SELECT            ⊕:ADJUST
```

3. Press ◄ or ► to highlight the mode you prefer.
4. Press EXIT to return to normal viewing.

Using the CableClear™ feature

CableClear™ 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 the CableClear™ feature:
1. Press MENU, then press ◄ or ► to display the PICTURE menu.
2. Press ▲ or ▼ to highlight CableClear.

```
        [icons]
   PICTURE
   CableClear          ON/OFF
   COLOR
   TEMPERATURE         COOL
   DISPLAY FORMAT      1080i
   SVM                 HIGH
   RESET               ►
   ⊕:SELECT            ⊕:ADJUST
```
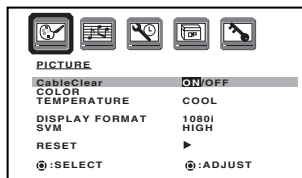
3. Press ◄ or ► to select ON.

To turn off the CableClear™ feature:
Select OFF in step 3.

Selecting the Scan Velocity Modulation (SVM)

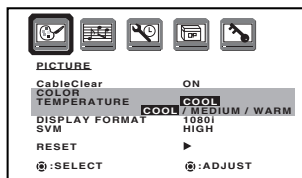The SVM feature enhances picture contrast and sharpness. This feature has three modes: HIGH, LOW, and OFF.

To select the SVM feature:
1. Press MENU, then press ◄ or ► to display the PICTURE menu.
2. Press ▲ or ▼ to highlight SVM.

```
        [icons]
   PICTURE
   CableClear          ON
   COLOR
   TEMPERATURE         COOL
   DISPLAY FORMAT      1080i
   SVM                 HIGH
                       HIGH / LOW / OFF
   RESET               ►
   ⊕:SELECT            ⊕:ADJUST
```
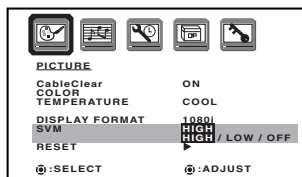
3. Press ◄ or ► to select the mode you prefer.

To turn off the SVM:
Select OFF in step 3.

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▲▼ ◄►

Exit

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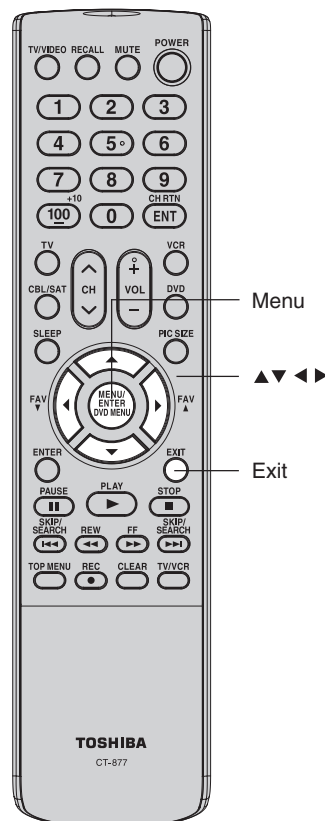
Note:

SVM is not required when viewing some high-quality video material. If you are watching high-quality video material, you may want to set SVM to OFF.

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Resetting your picture adjustments

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

Mode .... sports	Tint .... center (0)
Brightness .... center (25)	Sharpness............ center (25)
Contrast .... max (50)	Color temperature .... cool
Color .... center (25)	SVM .... high

To reset your picture adjustments:
1. Press MENU, then press ◄ or ► to display the PICTURE menu.
2. Press ▲ or ▼ to highlight RESET, and then press ►.
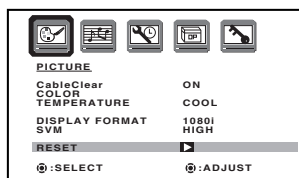
```
PICTURE
CableClear              ON
COLOR
TEMPERATURE             COOL
DISPLAY FORMAT          1080i
SVM                     HIGH
RESET                   ►
⊕:SELECT          ⊕:ADJUST
```

Setting the sleep timer

You can set the TV so it turns off automatically.

To set the sleep timer:
Repeatedly press SLEEP on the remote control to set the length of time until the TV turns off. The clock will increase 10 minutes for each press of the SLEEP button (0h00m, 0h10m, ...1h50m, 2h00m.) After the sleep timer is programmed, the display will appear briefly every ten minutes to remind you that the sleep timer is operating.

To confirm the sleep timer setting:
Press SLEEP one time. The remaining time will be momentarily displayed.

To cancel the sleep timer:
Repeatedly press SLEEP until the display turns to 0h00m.

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 programs and videos that are closed-captioned (usually identified in your local TV listing as "CC".)
- Text—An on-screen display of information not related to the program, such as weather or stock data (if available in your viewing area).

To view captions or text:
1. Tune the TV to the desired program.
2. Press MENU, and then press ◄ or ► to display the SETUP menu.
3. Press ▲ or ▼ to highlight CLOSED CAPTION.

```
SETUP
CLOSED CAPTION      OFF
                 C1 / C2 / T1 / T2 / OFF
PICTURE SIZE        ►
PICTURE SCROLL      ►
CINEMA MODE         VIDEO
ASPECT              ON
IMAGE TILT          0
⊕:SELECT          ⊕:ADJUST
```
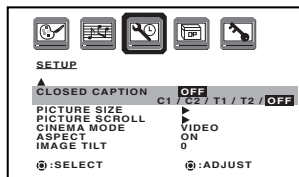
4. Press ◄ or ► to select the desired Closed Caption mode, as follows:
   - To view captions, select C1 or C2 (C1 displays translation of the primary language in your area.)
     Note: If the program or video you selected is not closed-captioned, no captions will display on-screen.
   - To view text, select T1 or T2. Note: If text is not available in your viewing area, a black rectangle may appear on-screen. If this happens, set the Closed Caption feature to OFF.
   - To turn the Closed Caption feature off, highlight OFF in the Closed Caption menu.

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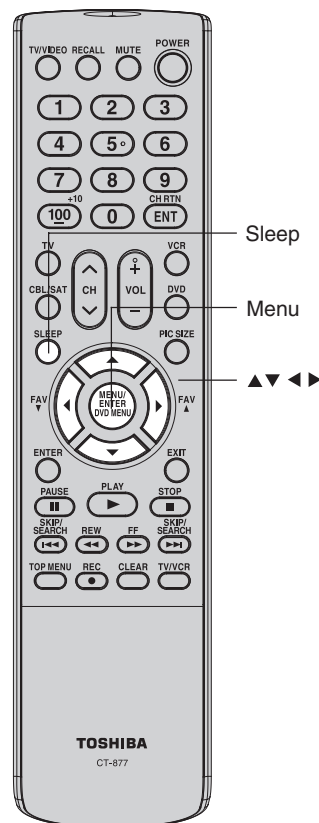
Sleep

Menu

▲▼ ◄►

Note:

A closed caption signal may not be decoded in the following situations:
- *when a video tape has been dubbed*
- *when the signal reception is weak*
- *when the signal reception is non-standard*

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Adjusting the sound

Muting the sound

Press MUTE to temporarily turn off the sound. While the sound is off, the screen will display the word MUTE in the lower right-hand corner. To restore the sound, press MUTE again.

Selecting stereo/SAP broadcasts

The multi-channel TV sound (MTS) feature provides high-fidelity stereo sound. MTS also can transmit a second audio program (SAP) containing a second language or other audio information.
Note: The MTS feature is not available in VIDEO mode.

When the TV receives a stereo or SAP broadcast, the word "STEREO" or "SAP" displays on-screen every time you turn the TV on, change the channel, or press RECALL.

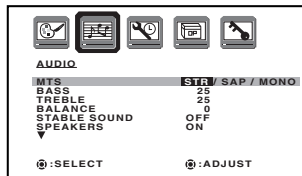**To listen to stereo sound:**
1. Press MENU, then press ◄ or ► to display the AUDIO menu.
2. Press ▲ or ▼ to highlight MTS.
3. Press ◄ or ► to highlight STR (stereo.)
    Notes:
    - In general, you can leave your TV in stereo mode because the TV automatically outputs the type of sound being broadcast (stereo or mono.)
    - If the stereo sound is noisy, select MONO to reduce the noise.

```
        AUDIO
MTS              STR / SAP / MONO
BASS             25
TREBLE           25
BALANCE          0
STABLE SOUND     OFF
SPEAKERS         ON
▼

  ⊕:SELECT        ⊕:ADJUST
```

4. Press EXIT to return to normal viewing.
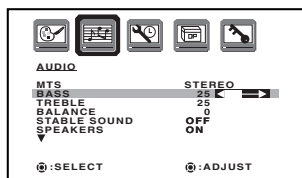
To listen to a second audio program (SAP):
1. Press MENU, then press ◄ or ► to display the AUDIO menu.
2. Press ▲ or ▼ to highlight MTS.
3. Press ◄ or ► to highlight SAP. The TV speakers will output the second audio program instead of normal audio.
4. Press EXIT to return to normal viewing.

Adjusting the sound quality

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

To adjust the sound quality:
1. Press MENU, then press ◄ or ► until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight the item you want to adjust.

```
        AUDIO
MTS              STEREO
BASS             25  ▭  ═▶
TREBLE           25
BALANCE          0
STABLE SOUND     OFF
SPEAKERS         ON
▼

  ⊕:SELECT        ⊕:ADJUST
```

3. Press ◄ or ► to adjust the level.
    - ◄ makes the sound quality weaker or decreases the balance in the right channel, depending on the item selected.
    - ► makes the sound quality stronger or decreases the balance in the left channel, depending on the item selected.

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Mute
Recall
Menu
▲▼ ◄ ►
Exit
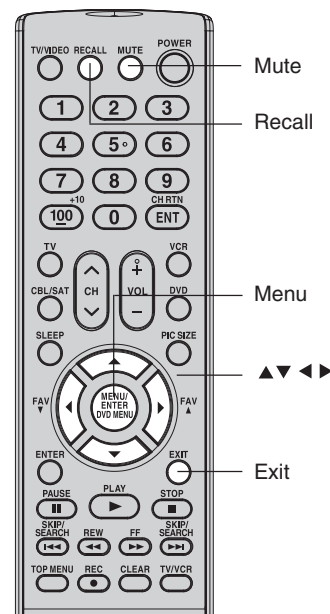
Note:
A second audio program (SAP) can be heard only on those TV stations that offer it.

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; however, occasionally there is no sound at all in SAP mode. If this happens, set the MTS feature to STEREO mode.

Note:
Adjusting the sound quality (bass, treble and balance) does not affect from the variable audio OUT jacks.

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Resetting your audio adjustments

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

Bass .... center (25)
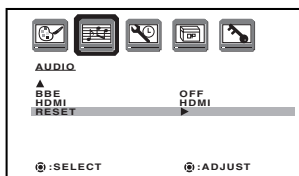Treble .... center (25)
Balance .... center (0)

To reset your audio adjustments:
1. Press MENU, then press ◄ or ► to display the AUDIO menu.
2. Press ▲ or ▼ to highlight RESET, and then press ►.

```
AUDIO
▲
BBE               OFF
HDMI              HDMI
RESET             ►

⊕:SELECT          ⊕:ADJUST
```
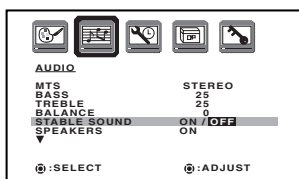
Using the StableSound® feature

The StableSound feature limits the highest volume level to prevent extreme changes in volume when the signal source is changed.

To turn on the StableSound® feature:
1. Press MENU, then press ◄ or ► to display the AUDIO menu.
2. Press ▲ or ▼ to highlight STABLE SOUND.
3. Press ◄ or ► to highlight ON.

```
AUDIO
MTS               STEREO
BASS              25
TREBLE            25
BALANCE           0
STABLE SOUND      ON / OFF
SPEAKERS          ON
▼

⊕:SELECT          ⊕:ADJUST
```

To turn off the StableSound® feature:
Highlight OFF in step 3 above.

Using the BBE sound feature

By correcting the phase delay and distortion naturally generated by speaker systems, the BBE sound feature ensures that the sound that reaches your ears is as natural as the original sound. Human voices are clearer and music is natural and well-defined.

To turn on the BBE sound feature:
1. Press MENU, then press ◄ or ► until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight BBE.
3. Press ◄ or ► to highlight ON.

```
AUDIO
▲
BBE               ON / OFF
HDMI              HDMI
RESET             ►

⊕:SELECT          ⊕:ADJUST
```
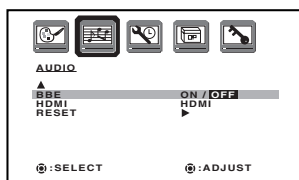
To turn off the BBE sound feature:
Highlight OFF in step 3 above.

Licensed by BBE Sound, Inc. under USP5510752 and 5736897.
BBE and BBE symbol are registered trademarks of BBE Sound, Inc.
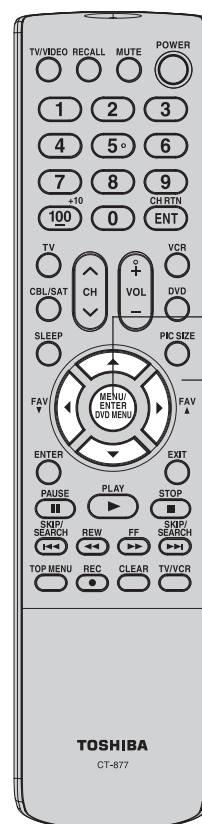
Menu

▲▼ ◄ ►

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Note:
Make sure the volume control of your audio amplifier is set to a moderate listening level.

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Turning off the built-in speakers

Use this feature to turn the TV speakers off when you connect an audio system (see "Connecting an audio system" on page 15.)

To turn off the built-in speakers:
1. Press MENU, then press ◄ or ► to display the AUDIO menu.
2. Press ▲ or ▼ to highlight SPEAKERS, and then press ◄ or ► to select OFF.

```
    🔧  📺  🕐  🗂  🔨

AUDIO
MTS                     STEREO
BASS                    25
TREBLE                  25
BALANCE                 0
STABLE SOUND            OFF
SPEAKERS                ON / OFF
▼

⊕:SELECT           ⊕:ADJUST
```

To turn on the built-in speakers:
   Select ON in step 2 above.

Selecting the HDMI audio input source

See page 14 for details on connecting an HDMI or a DVI device to the TV's HDMI input.

If you connect a DVI device, to hear audio you must also connect the analog audio cables to the HDMI audio IN jacks (see page 14.) Set the HDMI audio input setting to "DVI" with this connection.

If you connect an HDMI device and play media with digital audio output, to hear digital audio set the HDMI audio input setting to "HDMI" with this connection.

If you connect an HDMI device but play media with analog audio output (for example, certain CDVs do not output digital audio), to hear audio you must also connect the analog audio cables to the HDMI audio IN jacks (see page 14.) Set the HDMI audio input setting to "DVI" with this connection.
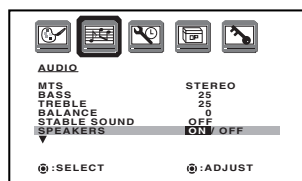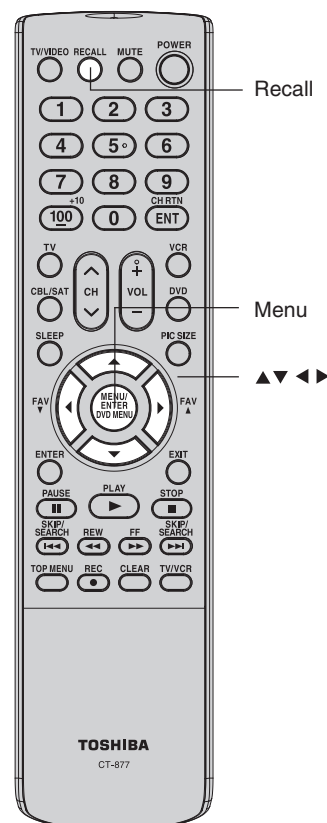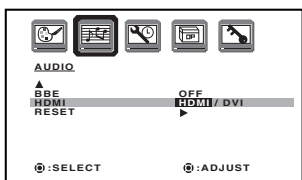
To select the HDMI audio input source:
1. Press MENU, and then press ◄ or ► to display the AUDIO menu.
2. Press ▼ or ▲ to highlight HDMI.
3. Press ◄ or ► to select HDMI or DVI.

```
    🔧  📺  🕐  🗂  🔨

AUDIO
▲
BBE                     OFF
HDMI                    HDMI / DVI
RESET                   ►

⊕:SELECT           ⊕:ADJUST
```

Displaying on-screen information

Press RECALL to display the following on-screen information:
- Clock
- Channel number or VIDEO mode selected
- Channel label (if preset)
- Stereo or SAP (second audio program) audio status
- Content rating
- On timer, Sleep timer (if preset)
- Picture size

```
STEREO
SAP
TV-PG       L   V
ON TIMER    12:00AM
SLEEP TIMER 2h00m


                              ANT
                              ABCD
FULL
                     CABLE  007
        CLOCK  12:00AM
```

Recall

Menu

▲▼ ◄ ►

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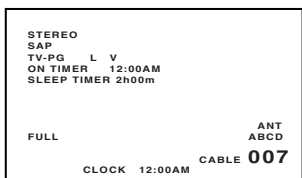
Auto power off

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

Understanding the Power Return feature

If the power is cut off while you are viewing the TV and the power is resupplied, the Power Return feature will turn the TV on automatically.

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

Appendix
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.
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. • The MTS feature may be in SAP mode. Select STR or MONO in the MTS menu.
Poor sound, picture OK	• The station may have broadcast difficulties. Try another channel. • The MTS feature may be in SAP mode. Select STR or MONO in the MTS menu.
Poor picture, sound OK	• Check the antenna connections. • The station may have broadcast difficulties. Try another channel. • Adjust the PICTURE menu.
Poor reception of broadcast channels	• The station may have broadcast difficulties. Try another channel. • Check the antenna connections. • If you are using a video input, make sure the TV/VIDEO button is set correctly.
Cannot receive above channel 13	• Make sure the TV/CABLE in the SETUP menu is set to "CABLE."
Unable to select a certain channel	• The channel may be blocked by the V-Chip feature or CH LOCK feature, or erased with the add/erase feature.
Cannot access signal input sources (Video1, Video2, Video3, ColorStream HD1, Color-Stream HD2, and HDMI) and/or Channels 3 and 4	• Check the VIDEO LOCK feature.
Multiple images	• The station may have broadcast difficulties. Try another channel. • 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. • If you change the direction of the TV while it is turned on, the picture could suffer from color shading. If so, turn off the TV and allow it to cool for several hours before turning it on again.
Black box on screen	• Select OFF in the Closed Caption menu to turn off the Closed Caption Text mode.
No stereo or SAP sound from a known MTS broadcast	• Make sure the MTS feature is set properly (AUDIO menu).
The V-Chip password does not work (U.S. V-Chip system only)	• Change or reset your password.
The remote control does not operate	• Make sure the TV • CBL/SAT • VCR • DVD mode is set properly on the remote control. • Remove all obstructions between the remote control and the TV. • The remote control batteries may be dead. Replace the batteries.
The front panel buttons do not operate	• Check the FRONT PANEL LOCK feature.

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Specifications

• This model complies with the specifications 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.

	26HF85	30HF85
Picture Tube	26 in. (657 mm) diagonal (Screen size is approximate.)	30 in. (760 mm) diagonal (Screen size is approximate.)
Television system	NTSC standard	
Channel coverage	VHF: 2–13 UHF: 14–69 Cable TV: 4A, A-5–A-1, A-I, J–W, W+1–W+84	
Power source	120V AC, 60 Hz	
Power consumption	175 W	185 W
Audio power	5.0 W + 5.0 W	10 W + 10 W
Speaker type	1-13/16 x 3-7/8 in. (45.7 x 99.1 mm) x 2 pcs.	

Video/Audio terminals	S-VIDEO INPUT
	  Y-INPUT: 1V (p-p), 75 ohm, negative sync.
	  C-INPUT: 0.286V (p-p) (burst signal), 75 ohm
	VIDEO/AUDIO INPUT
	  VIDEO: 1V (p-p), 75 ohm, negative sync.
	  AUDIO: 150 mV (rms) (30% modulation equivalent, 47k ohm)
	ColorStream® (component video) INPUT
	  Y: 1V (p-p), 75 ohm
	  PR: 0.7V (p-p), 75 ohm
	  PB: 0.7V (p-p), 75 ohm
	VIDEO/AUDIO OUTPUT
	  VIDEO: 1V (p-p), 75 ohm, negative sync.
	  AUDIO: 150 mV (rms) (30% modulation equivalent, 47k ohm)
	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	

Dimensions	Width: 27-9/16 in. (700 mm) Height: 19-1/2 in. (495.5 mm) Depth: 19-3/4 in. (502 mm)	31-5/16 in. (796 mm) 21-5/8 in. (549.2 mm) 22-3/16 in. (563 mm)
Weight	79.4 lbs. (36 kg)	111.4 lbs. (50.5 kg)
Supplied accessories	Remote control with two size "AAA" batteries	

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Limited United States Warranty

for 27" FST PURE® and All Larger TVs and All HD-Ready and HD Integrated TVs

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 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 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 Two (2) Year Warranty on Picture Tube*

TACP warrants the picture tube in this television against defects in materials or workmanship for a period of two (2) years after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S OPTION, REPAIR OR REPLACE A DEFECTIVE PICTURE TUBE WITH A NEW OR REFURBISHED PICTURE TUBE WITHOUT CHARGE TO YOU, EXCEPT THAT, IF A DEFECTIVE PICTURE TUBE IS REPAIRED OR REPLACED AFTER ONE (1) YEAR AFTER THE DATE OF THE ORIGINAL RETAIL PURCHASE, YOU MUST PAY ALL LABOR CHARGES INVOLVED IN THE REPAIR OR REPLACEMENT OF SUCH PICTURE TUBE. 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.

Rental Units

The warranty for rental units 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 televisions 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 television.

Complete and mail the enclosed product registration card or register your television on-line 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 to contact you in the unlikely event a safety notification is required under the Consumer Product Safety Act. Failure to register your television does not diminish your warranty rights. support. 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 television must be performed by an Authorized TACP Service Station.

(3) These warranties from TACP are effective only if the 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 television or parts that have been lost or discarded by you or to damage to the 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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Important Safeguards

Welcome to Toshiba

Connecting your TV

Using the Remote Control

Setting up your TV

Using the TV's Features

Appendix

TOSHIBA AMERICA CONSUMER PRODUCTS, L.L.C.

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