## TOSHIBA

Leading Innovation >>>

# **Owner's Manual**

Integrated High Definition LCD TV/DVD Combination

















15CV100U 15CV101U 19CV100U 22CV100U 26CV100U 32CV100U

For an overview of steps for setting up your new TV, see page 12.

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

#### Owner's Record

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

Model number:
Serial number:

#### Dear Customer,

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

#### Safety Precautions

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





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



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



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

#### WARNING

To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions. See item 25 on page 4.

WARNING: If you decide to wall mount this television, always use a UL Listed wall bracket appropriate for the size and weight of this television. The use of any wall bracket other than a UL Listed wall bracket appropriate for the size and weight of this television for wall mounting this television could result in serious bodily injury and/or property damage. See "Removing the Pedestal Stand" (List page 6).

#### NOTE TO CATV INSTALLERS

This is a reminder to call the CATV system installer's attention to Article 820-40 of the U.S. NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. For additional antenna grounding information, see items 32 and 33 on page 4.

## CHILD SAFETY:

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

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

#### The Issue

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



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

#### **TOSHIBA Cares!**

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

#### Tune Into Safety

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



install the display where it cannot be pushed, pulled over, or knocked down.

 Care should be taken to route all cords and cables connected to the flat panel display so that they cannot be pulled or grabbed by curious children.

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

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



www.CE.org/safety

### **Important Safety Instructions**

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



- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) **Do not block any ventilation openings.** Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.



- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

### **Additional Safety Precautions**

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

 ALWAYS contact a service technician to inspect the TV any time it has been damaged or dropped.

#### 15) CAUTION:

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

#### 16) CAUTION:

Do not let children swallow the product or play with the plastic bag. Keep the product and the plastic bag out of the reach of children.

#### 17) CAUTION:

Do not let water or other liquids come into contact with the product, as it may result in damage.

#### 18) WARNING:

- To prevent the spread of fire, keep candles or other open flames away from this product at all times.
- Keep the product away from direct sunlight, fire or a heat source such as a heater. This may reduce the product lifetime or result in fire.
- The mains plug is used as the disconnect device, and therefore install the TV/DVD near the wall outlet so that the mains plug can be accessed easily at all times.

### Installation, Care, and Service

#### Installation

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

19) WARNING: NEVER expose batteries to excessive heat such as sunshine, fire or the like.



ALWAYS plug the product into an outlet that is located in such a manner that it can be easily unplugged in case the product requires service.

- 21) NEVER route the product's power cord inside a wall or similar enclosed area.
- 22) 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.



#### DANGER: RISK OF SERIOUS PERSONAL INJURY, DEATH, OR EQUIPMENT DAMAGE!

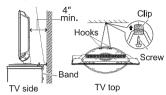


Never place the TV on an unstable cart, stand, or table. The TV may fall, causing serious personal injury, death, or serious damage to the TV.

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

25) Always place the TV on the floor or a sturdy, level, stable surface that can support the weight of the TV. In order to maintain stability and prevent the TV falling over, secure the TV with a sturdy strap from the hooks on the rear of the TV pedestal to a wall stud, pillar, or other immovable structure. Make sure the strap is tight, secure, and parallel to the floor.

Sturdy tie (as short as possible)



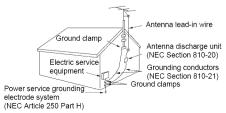
(The sturdy tie and hooks are applicable to 15CV100U, 15CV101U, 26CV100U and 32CV100U; the band is applicable to 15CV100U,15CV101U and 26CV100U.)

- 26) The apparatus shall not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- 27) Never block or cover the slots or openings in the TV cabinet back, bottom, and sides. Never place the TV:
  - on a bed, sofa, rug, or similar surface;
  - too close to drapes, curtains, or walls; or
  - in a confined space such as a bookcase, built-in cabinet, or any other place with poor ventilation.



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

- 28) Always place the back of the television at least 4 (four) inches away from any vertical surface (such as a wall) to allow proper ventilation.
- 29) 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.
- 30) Never overload wall outlets and extension cords.
- 31) Always operate this equipment from a 120 V AC, 60 Hz power source only.
- 32) 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).





#### 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/DVD, follow these recommendations and precautions:

- 34) If you use the TV in a room whose temperature is 32 °F (0°C) or below, the picture brightness may vary until the LCD warms up. This is not a sign of malfunction
- 35) Always unplug the TV before cleaning. When cleaning your TV, please first remove any dirt or dust from the surface. Gently wipe the cabinet and the display panel surface (the



TV screen) with a dry, soft cloth only (cotton, flannel, etc.). The enclosed cleaning cloth is for cabinet cleaning. Harsh rubbing or use of a dirty or stiff cloth will scratch the TV surface. Avoid contact with alcohol, thinner, benzene, acidic or alkaline solvent cleaners, abrasive cleaners, or chemical cloths, which may damage the TV surface. Never spray volatile compounds such as insecticide on the TV surface. Such products may damage or discolor the TV

## 36)

#### WARNING: RISK OF ELECTRIC SHOCK!



Never spill liquids or push objects of any kind into the TV cabinet slots.

- 37) While it is thundering, do not touch the connecting cables or apparatus.
- 38) 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.
- 39) ALWAYS unplug the TV to completely disconnect from mains power. When the TV is turned off using the on/off switch, it is not completely disconnected from power and a minute amount of current is still consumed.
- 40) During normal use, the TV may make occasional snapping or popping sounds. This is normal, especially when the TV is being turned on or off. If these sounds become frequent or continuous, unplug the power cord and contact a Toshiba Authorized Service Center.

# 41)

#### WARNING: RISK OF SERIOUS PERSONAL INJURY OR EQUIPMENT DAMAGE!



Never strike the screen with a sharp or heavy object.

- 42) The LCD screen of this product can be damaged by ultraviolet radiation from the sun. When selecting a location for the television, avoid locations where the screen may be exposed to direct sunlight, such as in front of a window.
  - Never touch, press, or place anything on the LCD screen. These actions will damage the LCD screen.
     If you need to clean the LCD screen, follow the instructions in item 35 on page 4.

#### Service



#### WARNING: RISK OF ELECTRIC SHOCK!



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

- 44) 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.
- 45) The fluorescent lamp(s) in the LCD panel contains a small amount of mercury.

When the TV reaches the end of its useful life, dispose of the used TV by the approved method for your area, or ask a qualified service technician to properly dispose of the TV.

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

### Choosing a location for your LCD TV

## To Display your LCD TV on the included Pedestal Stand:

Observe the following safety precautions:

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

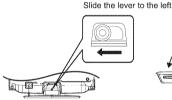
**CAUTION:** Before beginning pedestal assembly, carefully lay the front of the LCD Panel face down on a flat, cushioned surface such as a quilt or blanket. Leave the bottom of the TV protruding over the edge of the surface and assemble the pedestal as indicated below.

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

- Place the TV on a sturdy, level surface that can support the weight of the TV.
- 3) Be sure to secure the TV to a wall, pillar, surface, or other immovable structure. ((S) item 25, page 4).

## To Fold the Pedestal Stand (Applicable to 19CV100U/22CV100U)

- 1) Slide the lever on the back side of the pedestal stand to the left.
- 2) Lay the display down.





Rear side of the pedestal stand

**IMPORTANT:** Do not operate the LCD TV while the pedestal stand is folded.

## To Display your LCD TV using a Wall Bracket:

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

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

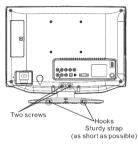
#### Removing the Pedestal Stand

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

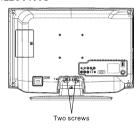
**Note:** Extreme care should always be used when removing the pedestal stand to avoid damage to the LCD panel.

- 2) Remove the screws shown in the diagram below. This will allow removal of the pedestal stand.
- Once you have removed all screws holding the pedestal stand in place, remove the pedestal stand from the TV by sliding the pedestal stand away from the TV.

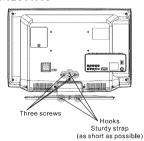
#### 15CV100U/15CV101U



#### 19CV100U/22CV100U



#### 26CV100U/32CV100U



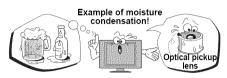
#### Note:

- 15CV100U, 22CV100U and 26CV100U are used for illustration purposes.
- The hooks for sturdy strap are not applicable to 19CV100U and 22CV100U.

#### Notes on moisture condensation

## Moisture condensation damages the unit. Please read the following carefully.

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day and drops of water form on the outside of the glass. In the same way, moisture may condense on this unit's internal optical pick-up lens, one of the most crucial internal parts of the unit.



## Moisture condensation may occur in the following situations:

- When you move the unit from a cold area to a warm area
- When you use the unit in a room in which the heat was just turned on.
- When you use the unit in an area where cold air from an air conditioner directly hits the unit.
- · When you use the unit in a humid area.



## Never use the unit when moisture condensation may occur.

Using the unit when moisture condensation exists may damage discs and internal parts. Connect the power cord of the unit to the wall outlet, turn on the unit, remove the disc, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Leaving the TV connected to the wall outlet will help prevent moisture condensation in the unit.



#### Notes on discs

#### On handling discs

• Do not touch the playback side of the disc. Handle the disc as shown in the figure below.



Do not attach paper or tape to discs.



#### On cleaning discs

 Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.



 Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

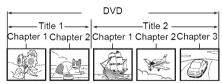
#### On storing discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

#### Structure of disc contents

Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapters, Video CDs and Audio CDs are divided into tracks.

#### DVD



#### Video CD/Audio CD



Each title, chapter or track is assigned a number, which is called "title number", "chapter number" or "track number" respectively. There may be discs that do not have these numbers.

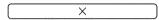
#### Notes on copyright

The unauthorized recording, use, distribution, or revision of copyrighted materials including, without limitation, television programs, videotapes, and DVDs, is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

#### About this owner's manual

This owner's manual explains the basic instructions of this TV/DVD. Some DVD video discs are produced in a manner that allows specific or limited operation during playback. As such, the TV/DVD may not respond to all operating command. This is not a defect of the TV/DVD. Refer to the instruction notes of discs.

The following symbol may appear on the TV screen during operation.



It means that the operation is not permitted by the TV/DVD or the disc. For example, sometimes it is unable to stop the playback of copyright message of the disc when the Stop button is pressed. Alternatively, this symbol may also indicate that the feature is not available for the disc.

### Notes on region numbers

The region number of this TV/DVD is 1. If region numbers, which stand for their playable area, are printed on your DVD and you do not find of the glayback will not be allowed by the player. (In this case, the TV/DVD will display a message on-screen.). Some DVDs that have no region code label may still be subject to area restrictions and therefore not playable.

#### On Video CDs

This TV/DVD supports Video CDs equipped with the Playback Control (PBC) function, version 2.0. You can enjoy two playback variations depending on types of discs.

 Video CD not equipped with PBC function (Version 1.1)

Sound and movie can be played on this TV/DVD in the same way as a DVD.

 Video CD equipped with PBC function (Version 2.0)

In addition to operation of a Video CD not equipped with the PBC function, you can enjoy playback of interactive software with search function by using the on-screen playback menu. Some of the functions described in this owner's manual may not work with some discs.

#### Playable discs

This TV/DVD can play the following discs.

		Disc mark	Contents	Disc size	Maximum playback time
		VIDEO	Audio + Video (moving pictures)	12 cm	Approx. 4 hours (single sided disc)
_	OVD			12 0111	Approx. 8 hours (double sided disc)
	ideo Iisc				Approx. 80 minutes (single sided disc)
				8 cm	Approx. 160 minutes (double sided disc)
Vi	ideo	COMPACT DIGITAL VIDEO	Audio + Video (moving pictures)	12 cm	Approx. 74 minutes (single sided disc)
Ľ	CD			8 cm	Approx. 20 minutes (single sided disc)
	-1:-	COMPACT OF STAL AUDIO		12 cm	Approx. 74 minutes (single sided disc)
Audic CD			Audio	8 cm	Approx. 20 minutes (single sided disc)

The following discs are also supported.

- DVD-R/RW discs containing files of DVD video format.
- CD-R/CD-RW discs containing CD-DA, Video CD, MP3, WMA, or JPEG files.
- Kodak Picture CD and FUJICOLOR CD.
   Some of these discs may be incompatible.
- · You cannot play discs other than those listed above.
- You cannot play discs of DVD-RAM, DVD-ROM, CD-ROM, Photo CD, etc., or non-standardized discs even if they may be labeled as above.
- Some CD-R/RWs cannot be played back depending on the recording conditions.
- This TV/DVD uses the NTSC color system, and cannot play DVD video discs recorded in any other color system (PAL, SECAM, etc.).
- This TV/DVD can play an 8 cm disc. Please do not use a disc adapter. It may cause trouble.
- Please do not insert any disc of an irregular shape into the TV/DVD, as it may interfere with the function of the TV/DVD. You may not be able to remove it.
- Please do not use after market accessories, such as a ring protector, as this may cause trouble with the operation of the TV/DVD.

Because of problems and errors that can occur during the creation of DVD and CD software and/or the manufacture of DVD and CD discs, Toshiba cannot assure that this TV/DVD will successfully play every disc bearing the DVD and CD logos. If you happen to experience any difficulty playing a DVD or CD on this TV/DVD, please contact Toshiba Customer Service.

is a trademark of DVD Format/Logo Licensing Corporation.

# FCC Declaration of Conformity Compliance Statement (Part 15):

The Toshiba 15CV100U, 15CV101U, 19CV100U, 22CV100U, 26CV100U and 32CV100U LCD TV/DVD combinations comply with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. The party responsible for compliance to these rules is: Toshiba America Consumer Products, L.L.C. 82 Totowa Rd. Wayne, NJ 07470.

Ph: 1-800-631-3811

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

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

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

### ENERGY STAR® User Information

ENERGY STAR User Information Statement: the factory default settings of this television meet ENERGY STAR® requirements. Enabling or changing certain features and functionality (e.g. Picture Settings) may increase energy consumption, possibly beyond the limits required for ENERGY STAR qualification.

To ensure your television is operating at optimal energy efficiency, select [Home] mode during initial activation.



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

## Important notes about your LCD TV

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

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



CERTIFICATION: COMPLIES WITH FDA PERFORMANCE STANDARDS FOR LASER PRODUCTS EXCEPT FOR DEVIATIONS PURSUANT TO LASER NOTICE NO.50, DATED JUNE 24, 2007.

#### CAUTION:

- THIS PRODUCT EMPLOYS A LASER SYSTEM.
- TO ENSURE PROPER USE OF THIS PRODUCT, PLEASE READ THIS OWNER'S MANUAL CAREFULLY AND RETAIN FOR FUTURE REFERENCE.
- SHALL THE UNIT REQUIRE MAINTENANCE, CONTACT AN AUTHORIZED SERVICE CENTER.
- USE OF CONTROLS, ADJUSTMENTS OR THE PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
- TO PREVENT DIRECT EXPOSURE TO LASER BEAM, DO NOT TRY TO OPEN THE ENCLOSURE. VISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.

### Trademark Information

- Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.
- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- QSound and [a] symbol are trademarks of QSound Labs, Inc.
- Manufactured under license under U.S. Patent #: 5,451,942 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks and DTS Digital Out and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

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## Chapter 1: Introduction

### Features of your new TV

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

- Integrated digital tuning (8VSB ATSC and QAM) eliminates the need for a separate digital converter set-top box (in most cases).
- 1080p output resolution
- Two HDMI<sup>IM</sup> digital, high-definition multimedia interfaces with 1080p input support (FSP Page 20).
- HDMI capabilities
- Lip-Sync feature activates an auto audio/video display timing adjustment function that allows HDMI source devices to accurately perform synchronization automatically.
- REGZA-LINK® allows control of external devices from the TV remote control via HDMI connection (1237 Page 47).
- ColorStream® HD high-resolution component video input (1287 Page 19).
- QSound® audio technologies (R Page 52).
- Digital Audio Out optical audio connection with Dolby® Digital optical output format (FS Page 22)
- CableClear® digital picture noise reduction (
  Page 51).
- PC IN (Analog RGB) computer terminal (FSF Page 23).
- Channel Labeling allows you to put the Call Letters (e.g. ABC, HBO, etc.) on the screen along with the station numbers, so you always know what you're watching (FF Page 30).
- Media Player allows you to view your JPEG pictures and listen to MP3 music (1287 Page 52).
- ENERGY STAR® qualified

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

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

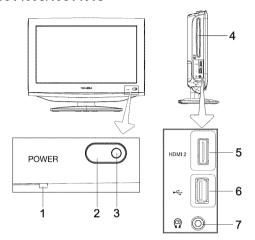
- 1 Observe the following when choosing a location for the TV:
  - Read "Important notes about your LCD TV" (FF Page 9).
  - Place the TV in a proper location (FSF Page 2-5)
- 2 Do not plug in any power cords until AFTER you have connected all cables and devices to your TV.
- **3** BEFORE connecting cables or devices to the TV, learn the functions of the TV's connections and controls (FSP Page 13-16).
- 4 Connect your other electronic device(s) to the TV (128 Page 17-23).
- **5** See "Chapter 3: Using the remote control" (Fig. Page 24) for an overview of the buttons on the remote control, install the batteries and prepare to operate your other device(s).
- **6** AFTER connecting all cables and devices, plug in the power cords for your TV and other devices.

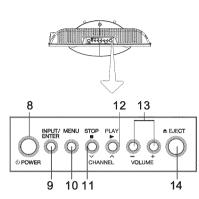
Note: After you turn on the TV, the Initial Setup menu appears automatically by default.

- 7 See "Chapter 4: Menu layout and navigation" for a quick overview of navigating the TV's menu system (\*\* Page 27).
- 8 Program channels into the TV's channel memory (1887 Page 29).
- **9** For details on using the TV's features, see Chapters 6 and 7.
- **10** For details on disc playback, see Chapter 8 and
- **11** For help, refer to the Troubleshooting Guide, see Chapter 11.
- **12** For technical specifications and warranty information, see Chapter 12.

### TV front, top and side panel controls and connections

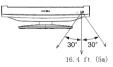
#### 15CV100U/15CV101U





- Power LED This indicates the TV's status. See "LED indication" on Page 77 for additional information.
- 2 Remote sensor (embedded) Point the remote control toward this remote sensor.

Effective range:



- 3 Auto Brightness Sensor This sensor will detect the ambient light conditions to optimize the backlighting levels. See "Using the Auto Brightness Sensor" on Page 51 for additional information.
- 4 **Disc slot** Load the disc into the disc slot to view or listen.
- 5 HDMI 2 High-Definition Multimedia Interface (HDMI 2) input receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device. HDMI connection is necessary to receive 1080p signals.
- **6 USB terminal** For use when inserting a USB device.
- 7 Headphone jack For use when inserting a stereo headphone (not supplied) with a 1/8inch (3.5 mm) mini plug.

**Note:** Connecting a headphone to the TV/DVD will mute the sound from the built-in speakers.

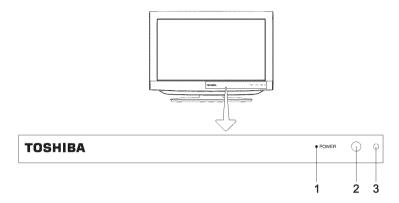
- 8 POWER Press to turn the TV on and off. If the TV stops responding to the controls on the remote control or TV control panel and you cannot turn off the TV, press and hold the POWER button on the TV control panel for 5 or more seconds to reset the TV.
- INPUT/ENTER Repeatedly press to change the source you are viewing (ANT/CABLE, Video, ColorStream HD, HDMI1, HDMI2, PC, DVD). When a menu is onscreen, the INPUT button on the TV's control panel functions as the ENTER button.
- **10 MENU** Press to access the menu system (128 Page 27).
- **11 STOP/CHANNEL** ✓ Press to stop the disc playback in DVD mode; press to change the channel in TV mode.

**ARROW** — When a menu is on-screen, the button functions as down menu navigation button.

- **12 PLAY/CHANNEL**  $\wedge$  Press to play the disc in DVD mode; press to change the channel in TV mode.
  - **ARROW** ^ When a menu is on-screen, the button functions as up menu navigation button.
- **13 VOLUME+/-** These buttons adjust the volume level.
- **14 EJECT** Press to eject the disc.

## Chapter 1: Introduction

#### 19CV100U/22CV100U/26CV100U/32CV100U



- Power LED This indicates the TV's status.
   See "LED indication" on Page 77 for additional information.
- **2 Remote sensor** Point the remote control toward this remote sensor.

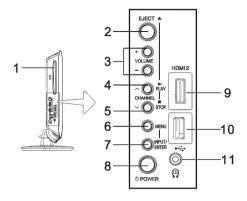


3 Auto Brightness Sensor — This sensor will detect the ambient light conditions to optimize the backlighting levels. See "Using the Auto Brightness Sensor" on Page 51 for additional information.

**Note:** 22CV100U is used for illustration purposes.

## Chapter 1: Introduction

#### 19CV100U/22CV100U

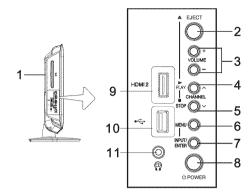


- Disc slot Load the disc into the disc slot to view or listen.
- **2 EJECT** Press to eject the disc.
- **VOLUME+/-** These buttons adjust the volume level.
- 4 PLAY/CHANNEL — Press to play the disc in DVD mode; press to change the channel in TV mode.

**ARROW** ^ — When a menu is on-screen, the button functions as up menu navigation button.

- 5 STOP/CHANNEL ✓— Press to stop the disc playback in DVD mode; press to change the channel in TV mode.
  - **ARROW**  $\checkmark$  When a menu is on-screen, the button functions as down menu navigation button
- 6 MENU Press to access the menu system (as Page 27).
- INPUT/ENTER Repeatedly press to change the source you are viewing (ANT/CABLE, Video, ColorStream HD, HDMI1, HDMI2, PC, DVD). When a menu is onscreen, the INPUT button on the TV's control panel functions as the ENTER button.
- 8 POWER Press to turn the TV on and off. If the TV stops responding to the controls on the remote control or TV control panel and you cannot turn off the TV, press and hold the POWER button on the TV control panel for 5 or more seconds to reset the TV.

#### 26CV100U/32CV100U



- 9 HDMI 2 High-Definition Multimedia Interface (HDMI 2) input receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device. HDMI connection is necessary to receive 1080p signals.
- **10** USB terminal For use when inserting a USB device.
- 11 Headphone jack For use when inserting a stereo headphone (not supplied) with a 1/8-inch (3.5 mm) mini plug.

**Note:** Connecting a headphone to the TV/DVD will mute the sound from the built-in speakers.

**Note:** 22CV100U and 26CV100U are used for illustration purposes.

## Adjusting the screen angle (Applicable to 19CV100U/22CV100U)

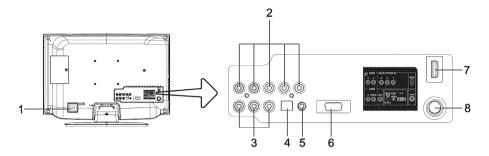
You can adjust the angle of the TV screen 3° forward or 15° backward from a vertical angle. Hold the base of the TV while adjusting the screen.



Some illustrations in this owner's manual are for explanation purposes and may differ from the actual unit.

### TV back panel connections

For an explanation of cable types and connections see Page 17-23.



- AC input jack Connect one end of the supplied AC power cord into the TV's AC input jack and the other to a power outlet to turn on and operate the TV.
- 2 AUDIO/COLOR STREAM HD —

ColorStream® high-definition component video inputs (with standard stereo audio inputs) for connecting devices with component video output, such as a Toshiba DVD player with ColorStream®.

**Note:** Component video cables carry only video information; separate audio cables are required for a complete connection.

3 AUDIO/VIDEO — Standard (composite) video and standard audio inputs plus for connecting devices with composite video.

**Note:** Standard (composite) video cables carry only video information; separate audio cables are required for a complete connection.

- 4 DIGITAL AUDIO OUT Optical audio output in Dolby Digital or PCM (Pulse-Code Modulation) format for connecting an external Dolby Digital decoder, amplifier, or home theater system with optical audio input.
- 5 HDMI 1/PC AUDIO IN PC audio input terminal is shared with HDMI 1 analog audio input terminal, and its use can be configured in the Audio Setup menu (FS Page 46).
- **6 PC IN** For use when connecting a personal computer.

- 7 HDMI 1 High-Definition Multimedia Interface (HDMI 1) input receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device. Also see item 5. HDMI connection is necessary to receive 1080p signals.
- 8 TUNER (ANT/CABLE) Input that supports analog (NTSC) and digital (ATSC) off-air antenna signals and analog and digital Cable TV (OAM) signals.

**Note:** 22CV100U is used for illustraion purposes.

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

Manufactured under license from Dolby Laboratories.

Dolby and the double-D symbol are trademarks of Dolby Laboratories.

## Chapter 2: Connecting your TV

## Overview of cable types

Cables can be purchased from most stores that sell audio/video devices. Before purchasing any cables, be sure of connector types required by your devices and the length of each cable.

### Coaxial (F-type) cable





Coaxial (F-type) cable is used for connecting your antenna, cable TV service, and/or cable converter box to the **TUNER** input on your TV.

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





Standard A/V cables (composite video) usually come in sets of three and are for use with video devices with analog audio and composite video output. These cables (and the related inputs on your TV) are typically color-coded according to use: vellow for video, red for stereo right audio. and white for stereo left (or mono) audio.

#### Component video cables (red/green/blue)





Component video cables come in sets of three and are for use with video devices with component video output. (ColorStream® is Toshiba's brand of component video.) These cables are typically color-coded red, green, and blue. Separate audio cables are required for a complete connection.

Note: Component video cables provide better picture performance than a standard (composite) video.

### HDMI™ cable (with HDMI Logo Homi)





HDMI (High-Definition Multimedia Interface) cable is for use with devices with an HDMI output. An HDMI cable delivers digital audio and video in its native format. This cable carries both video and audio information; therefore, separate audio cables are not required for a complete HDMI device connection ( Page 20, 21 and 23).

Note: An HDMI cable provides the best audio and picture performance.

#### Optical audio cable

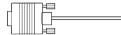




Optical audio cable is for connecting receivers with Dolby Digital or PCM (Pulse-Code Modulation) optical audio input to the TV's **DIGITAL AUDIO OUT** terminal ( Page 22).

### Analog RGB (15-pin) computer cable





Analog RGB (15-pin) computer cable is for connecting a PC to the TV's **PC IN** terminal ( Page 23).

Note: Separate audio cables are required for a complete connection.

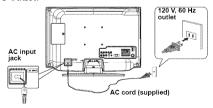
### About the connection illustrations

You can connect different types and brands of devices to your TV in several different configurations. The connection illustrations in this manual are representative of typical device connections only. The input/output terminals on your devices may differ from those illustrated herein. For details on connecting and using your specific devices, refer to each device's owner's manual.

## Connecting TV to a power source

#### To connect AC power:

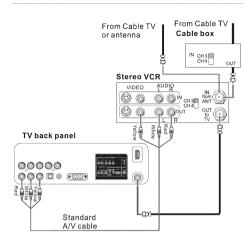
Connect the AC cord plug into the TV/DVD's AC input jack and then connect the AC cord into an AC outlet.



#### Notes:

- Never connect the AC cord plug to other than the specified voltage (120 V, 60 Hz). Use the supplied power cord only.
- · If you cause a static discharge when touching the TV/DVD and it fails to function, simply unplug the TV/DVD from the AC outlet and plug it back in. The TV/DVD should return to normal operation.

# Connecting a VCR, and antenna, Cable TV



#### You will need:

- · coaxial cables
- standard A/V cables

**Note:** When you use a Cable box, you may not be able to use the remote control to program or access certain features on the TV.

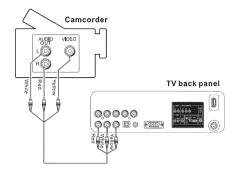
To view the antenna or Cable signal: Select the ANT/CABLE video input source on the TV.\*

To view basic and premium Cable channels: Turn OFF the VCR. Select the ANT/CABLE video input source on the TV.\* Tune the TV to channel 3 or 4 (whichever channel the Cable box output is set to). Use the Cable box controls to change channels.

#### To view the VCR:

Turn ON the VCR. Select the **Video** video input source on the TV.\*

### Connecting a camcorder



#### You will need:

• standard A/V cables

#### To view the camcorder video:

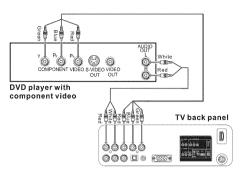
Select the **Video** video input source on the TV.\*

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

<sup>\*</sup> To select the video input source, press on the remote control (FW Page 33).

<sup>\*</sup> To select the video input source, press on the remote control (Let Page 33).

# Connecting a DVD player with ColorStream® (component video)



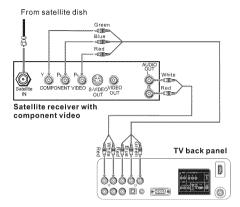
#### You will need:

- · standard audio cables
- component video cables
  - You can connect the component video cables (plus audio cables) from the DVD player to the COLOR STREAM HD terminal on the TV. The COLOR STREAM HD terminal can be used to display Progressive (480p, 720p) and Interlaced (480i, 1080i). Please check the Owner's Manual of the DVD player in order to determine the best output signal available.
  - If your DVD player does not have component video, connect a standard A/V cable to AUDIO/VIDEO terminal. If your DVD player has HDMI video, see Page 20.

#### To view the DVD player:

Turn ON the DVD player. Select the **ColorStream HD** video input source on the TV.\*

### Connecting a satellite receiver



#### You will need:

- · standard audio cables
- · component video cables
  - You can connect the component video cables (plus audio cables) from the satellite receiver to the COLOR STREAM HD terminal on the TV. The COLOR STREAM HD terminal can be used to display Progressive (480p, 720p) and Interlaced (480i, 1080i). Please check the Owner's Manual of the satellite receiver in order to determine the best output signal available.
  - If your satellite receiver does not have component video, connect a standard A/V cable to AUDIO/VIDEO terminal.

## To view satellite programs using the component video connections:

Turn on the satellite receiver. Select the **ColorStream HD** video input source on the TV.\*

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

<sup>\*</sup> To select the video input source, press on the remote control ( as Page 33).

<sup>\*</sup> To select the video input source, press on the remote control (Law Page 33).

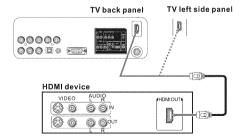
# Connecting an HDMI or DVI device to the HDMI™ input

The HDMI input on your TV receives digital audio and uncompressed digital video from an HDMI source device, or uncompressed digital video from a DVI (Digital Visual Interface) source device. This input is designed to accept HDCP (High-Bandwidth Digital-Content Protection) program material in digital form from EIA/CEA-861-E compliant[1] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output). The HDMI input can accept and display VGA, SVGA, XGA, WXGA, 480i (60 Hz), 480p (60 Hz), 720p (60 Hz), 1080i (60 Hz), and 1080p (24 Hz/30 Hz/60 Hz) signal formats. For detailed signal specifications, see Page 79, Supported Audio format: Linear PCM, sampling rate 32/44.1/ 48 kHz.

**Note:** To connect a PC to the HDMI input, see Page 23.

#### To connect an HDMI device, you will need:

- one HDMI cable per HDMI device
  - For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo (Hםדוו).
  - To display a 1080p/60 Hz signal format, you will need a High Speed HDMI cable. Conventional HDMI/DVI cable may not work properly.
  - HDMI cable transfers both video and audio. Separate analog audio cables are not required (see illustration).
  - See "Setting the HDMI<sup>™</sup> audio mode" (№ Page 31).



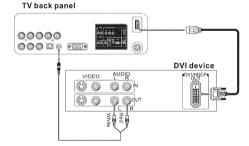
#### To view the HDMI device video:

Select the **HDMI 1** or **HDMI 2** video input source on the TV.\*

\* To select the video input source, press on the remote control (INF Page 33).

#### To connect a DVI device, you will need:

- one HDMI-to-DVI adapter cable
  - 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 per DVI device.
  - An HDMI-to-DVI adapter cable transfers video only. Make sure to connect this cable to the **HDMI 1** input on the TV. Separate analog audio cables are required (see illustration).



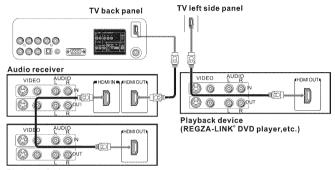
**Note:** To ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:

- 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.
- [1] EIA/CEA-861-E compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of highdefinition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the TV.

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

### **REGZA-LINK®** connection

You can control the basic functions of connected audio/video devices using the TV's remote control if you connect a REGZA-LINK® compatible audio receiver or playback device. For an explanation of setup and operations, see Page 47-49.



Playback device (REGZA-LINK° DVD player,etc.)

## To connect an audio receiver and playback devices, you will need:

• HDMI cables ( Page 17)

#### Note:

- If several devices are connected, REGZA-LINK<sup>®</sup> feature may not operate properly.
- For proper operation, it is recommended that you use HDMI cables with the HDMI Logo (HDMI).

#### Before controlling the device(s):

- After completing the above connections, set the REGZA-LINK Setup menu as you desire (FSP Page 49).
- The connected devices must also be set. For details, see the operation manual for each device.
- The REGZA-LINK® feature uses the CEC technology as regulated by the HDMI standard.
- This feature is limited to models incorporating Toshiba's REGZA-LINK<sup>®</sup>. However, Toshiba is not liable for those operations. Refer to the individual instruction manuals for compatibility information.

**Note:** This feature may not work properly depending on the devices that are connected.

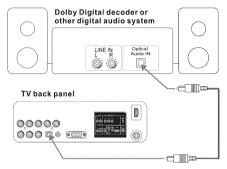
# Connecting a digital audio system

The TV's **DIGITAL AUDIO OUT** terminal outputs a Dolby®\* Digital Toolby® or 2-channel down-mixed PCM (Pulse-Code Modulation) signal for use with an external Dolby® Digital decoder or other external audio system with optical audio input.

If you have a DTS\* (decoder or processor, you can obtain the full benefit of 5.1 channel DTS encoded soundtracks on DVDs and audio CDs.

#### You will need:

• optical audio cable (Use an optical audio cable that has the larger "TosLink" connector and not the smaller "mini-optical" connector.)



#### To control the audio:

- 1 Turn on the TV and the digital audio device.
- 2 Press on the remote control and open the **Sound** menu.
- 3 Press ▲ or ▼ to select Audio Setup and then press (wise).



4 Press ▲ or ▼ to select Optical Output Format.

Fress 

or 

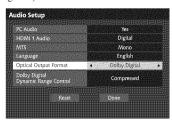
or 

to select either Dolby Digital or 

PCM, depending on your device.

(

"Selecting the optical audio output format" 
on Page 41).



6 To save the new settings, highlight **Done** and then press on.
To revert to the factory defaults, highlight
Reset and then press on.

#### Note:

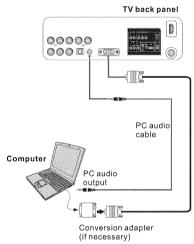
- Some audio systems may not be compatible with Dolby Digital bitstream signals. Older audio systems that are not compatible with standard optical out signals may not work properly, creating a high noise level that may damage speakers or headphones. THIS DAMAGE IS NOT COVERED BY YOUR WARRANTY.
- The DIGITAL AUDIO OUT terminal may not output some digital audio sources because of copy restrictions.
- Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.
- \*\* Manufactured under license under U.S. Patent #: 5,451,942 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks and DTS Digital Out and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

# Connecting a personal computer (PC)

With either the PC IN or HDMI connection, you can watch your computer's display on the TV and hear the sound from the TV's speakers.

## To connect a PC to the PC IN terminal on the TV:

When connecting a PC to the **PC IN** terminal on the TV, use an analog RGB (15-pin) computer cable and a PC audio cable.



- To use a PC, set the monitor output resolution on the PC before connecting it to the TV. The PC IN terminal can accept and display VGA, SVGA, XGA, and WXGA signal formats. For detailed signal specifications, see Page 79.
- To display the optimum picture, use the PC settings feature ( "S" "Using the PC settings feature" on Page 46).

#### Note:

- The PC audio input terminal on the TV is shared with the HDMI 1 analog audio input terminal.
- Some PC models cannot be connected to this TV.
- An adapter is not needed for computers with a compatible mini D-sub15-pin terminal.
- Depending on the DVD's title and the specifications of the PC on which you are playing the DVD-Video, some scenes may be skipped or you may not be able to pause during multi-angle scenes.

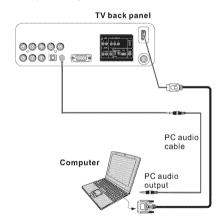
• Signal names for mini D-sub 15-pin connector

Pin No.	Signal name	Pin No.	Signal name	Pin No.	Signal
1	R	6	Ground	11	Reserved
2	G	7	Ground	12	SDA
3	В	8	Ground	13	H-sync
4	Reserved	9	5V	14	V-sync
5	Ground	10	Ground	15	SCL

## To connect a PC to the HDMI terminal on the TV:

When connecting a PC to the HDMI terminal on the TV, use an adapter cable and analog audio cables

If connecting a PC with an HDMI terminal, use an HDMI cable. Separate analog cables are not necessary (1857 Page 17).



The HDMI input can accept and display VGA, SVGA, XGA, WXGA, 480i (60 Hz), 480p (60 Hz), 720p (60 Hz), 1080i (60 Hz), and 1080p (24 Hz/30 Hz/60 Hz) signal formats. For detailed signal specifications, see Page 79.

#### Note:

- The edges of the images may be hidden.
- If receiving a 480i (HDMI), 480p (HDMI), 720p, 1080i, or 1080p signal program, Native mode scales the video to display the entire picture within the borders of the screen (i.e. no overscanning).

## Chapter 3: Using the remote control

# Preparing the remote control for use

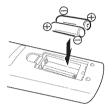
The remote control can operate your TV/DVD and control the basic functions of connected audio/video devices if you connect a REGZA-LINK® compatible audio receiver or playback device (LSF Page 47).

# Installing the remote control batteries

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



Install two AAA size batteries. Match the + and - symbols on the batteries to the symbols on the battery compartment.



**3** Close the battery cover on the remote control until the tab snaps.

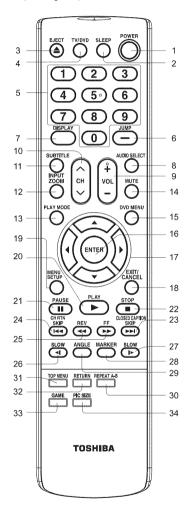
**Caution:** Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

#### Note:

- Be sure to use AAA size batteries.
- Dispose of batteries in a designated disposal area.
- Batteries should always be disposed of with the environment in mind. Always dispose of batteries in accordance with applicable laws and regulations.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace batteries with new ones.
- When necessary to replace batteries in the remote control, always replace both batteries with new ones. Never mix battery types or use new and used batteries in combination.
- Always remove batteries from the remote control if they are dead or if the remote control is not to be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.

### Learning about the remote control

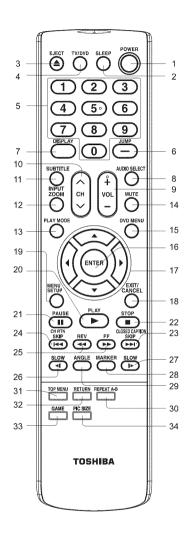
The buttons used for operating the TV/DVD are described here. For the REGZA-LINK® remote control functions, see the section "Using REGZA-LINK®" (\$\mathbb{E}\mathbb{T}\mathbb{P}\mathbb{Q}\mathbb{E}\mathbb{P}\mathbb{A}).



**Note:** The error message "NOT AVAILABLE" may appear if you press a key for a function that is not available.

- **POWER** turns the TV on and off. When the TV is on, the Power LED indicator on the TV front will be illuminated in green.
- 2 SLEEP accesses the sleep timer (PSF Page 47).
- **EJECT** ejects the disc from the disc slot.
- **TV/DVD** switches to TV or DVD mode.
- Channel Numbers directly tune channels.
- **JUMP** selects or locates a specific point with the disc playback (Fig. Page 59); tunes to a digital sub-channel as a "dash".
- **DISPLAY** displays setting or playback information (1237 Page 49, 63).
- 8 AUDIO SELECT selects the DVD soundtrack language or VCD audio channel (FF Page 63).
- **VOL + –** adjusts the volume level.
- 10 CH \sim cycles through programmed channels when no menu is on-screen (Page 34).
- **11 SUBTITLE** selects the subtitle language or switches subtitle off (FF Page 63).
- 12 INPUT/ZOOM selects the video input source (TSP Page 33); zooms into the center of the image during disc playback (TSP Page 59).
- **PLAY MODE** sets the disc playback repeat mode (F) Page 60).
- **MUTE** reduces or turns off the sound (RSP Page 40).
- **DVD MENU** accesses the DVD menu (FSF Page 62).
- **ENTER** activates highlighted items in the main menu system.
- Arrow buttons (▲ ▼ ◀ ▶) select or adjust programming menus when a menu is on-screen.
- 18 EXIT/CANCEL closes on-screen menus.
- **MENU/SETUP** accesses the main TV menu system (FS Page 27); configures the disc playback settings (FS Page 70).
- PLAY begins playback of the loaded disc (Far Page 56).
- **PAUSE** suspends disc playback temporarily or plays back disc frame by frame ( Page 56, 57).
- **STOP** stops playback of the loaded disc (PSP Page 56).

### Chapter 3: Using the remote control



- 23 CLOSED CAPTION/SKIP ►► accesses the Closed Caption menu (© Page 39); skips forward to locate later DVD chapters (© Page 58).
- 24 CH RTN/SKIP I◄ returns to the last viewed channel or source (♣ Page 35); skips back to beginning of current DVD chapter or locate previous chapters (♣ Page 58).
- 25 FF ▶► fast-forwards playback of the disc (ran Page 57).
  REV ◄◄ fast-reverses playback of the disc (ran Page 57).
- 26 SLOW ◀ slow-reverses playback of the disc (F@ Page 57).
- 27 SLOW ► slow-forwards playback of the disc ( Page 57).
- 28 MARKER bookmarks specific points in the playback range for later access (range 60).
- 29 ANGLE changes the scene angle when playing back a DVD recorded with multi-angle scenes (LSP Page 62).
- **30 REPEAT A-B** repeats playback of a specific section between two set points (128 Page 61).
- **31 TOP MENU** accesses the top menu of DVDs that contain two or more titles (128 Page 62).
- **32 RETURN** returns to the root directory in Audio CD playback (\*\*\* Page 66); returns to previous directory from Media Player subfolder or sub-menu (\*\*\* Page 53).
- **33 GAME** displays the Game mode screen when using the TV as display device for video game consoles (128 Page 51).
- **34 PIC SIZE** cycles through the picture sizes (Page 35).

## Chapter 4: Menu layout and navigation

### Main menu layout

To open the main menus (illustrated below), press on the remote control or **MENU** on the TV control panel.

Icon	Item	Page
Picture	Mode	38
	Picture Settings	38
	Noise Reduction	51
	Game Mode	51
	Theater Settings	35-37
Sound	Audio Settings	41
16	Advanced Audio Settings	52
	Audio Setup	40-42
Preferences	CC and Digital Audio Selectors	40
***	Base CC Mode	39
	Digital CC Settings	39
	Input Labeling	33
	Channel Labeling	30
	Menu Language	28
	REGZA-LINK Player Control	48
Locks	Enable Rating Blocking	43
A	Edit Rating Limits	43
	Input Lock	45
	Control Panel Lock	45
	GameTimer	45
	New PIN Code	42
Setup	Installation	28-32
TÜ.	REGZA-LINK Setup	49
	Sleep Timer	47
	PC Settings	46
	Media Player	53

### Setup/Installation menu layout

The Installation menu contains the **Terrestrial** and **System Status** menus.

To open the **Installation** menu (illustrated below), press on the remote control, open the **Setup** menu, select **Installation**, and press on.

•	•	~
Icon	Item	Page
Terrestrial	Input Configuration	28
НН	Channel Program	29
, ,	Channel Options	29
	Channel Tuning Mode	34
	Time Zone	32
	Signal Meter	32
System Status	System Information	32

## Navigating the menu system

You can use the buttons on the remote control or TV control panel to access and navigate your TV's on-screen menu system.

• Press be to open the menu.



- To use the items, press ▲ or ▼ on the remote control or TV control panel to move up and down through them.
- Press or ▶ to adjust settings or press to enter the sub-menus.
- All menus close automatically if you do not make a selection within 60 seconds, except the signal meter menu, which closes automatically after about 5 minutes.
- To close a menu instantly, press CANCEL.

## Chapter 5: Setting up your TV

### **Initial Setup**

When you first turn on or reset the TV, the Initial Setup window will appear.

- 1 In the **Menu Language** field, press ◀ or ▶ to select your preferred language.
- 3 Next, the location setting window will appear. For normal home use, press ◀ or ▶ to select Home and then press .
- 4 Next, ANT/CABLE In setup window will appear. Press or to select the input source (Cable or Antenna) for the ANT/CABLE input on the TV.
- 5 If you select Antenna, the Channel Tuning Mode setup window will appear. To tune only digital channels, select Digital. To tune digital channels preferentially over analog when entering channel number directly, select Auto. For normal tuning, select Standard. Press to continue to Auto Tuning.
- 6 Press on to select **Start Scan** and continue with the Auto Tuning.

### Selecting the menu language

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

- 1 Press to open the menu.
- 2 Press or ▶ to highlight Preferences menu.
- **3** Press ▲ or ▼ to select Menu Language.
- **4** Press **◆** or **▶** to select your preferred menu language.

# Configuring the antenna input source for the ANT/CABLE terminal

- 1 From the **Setup** menu, press ▲ or ▼ to select **Installation** and then press (sets).
- 3 Press ▲ or ▼ to highlight ANT/CABLE In and then press ◀ or ▶ to select the input source (Cable or Antenna) for the input on the TV.
- 4 To save your new settings, highlight **Done** and then press . To revert to your original settings, highlight **Cancel** and then press ...

# Programming channels into the TV's channel memory

When you press of or by on the remote control or TV control panel, your TV will stop only on the channels you programmed into the TV's channel memory.

Follow the steps below to program channels into the TV's channel memory.

### Programming channels automatically

Your TV can automatically detect all active channels in your area and store them in its memory. After the channels are programmed automatically, you can manually add or skip individual channels in the channel memory.

#### Note:

- The automatic channel programming process will erase channels that were previously programmed into the TV's memory.
- To tune the TV to a channel not programmed in the channel memory, you must use the Channel Number buttons on the remote control.
- Programming channels when the ANT/ CABLE input is configured for Cable will take substantially longer than when the antenna input is configured for Antenna. This is normal; however, once channel programming is finished, you should not have to repeat the programming process again unless your Cable TV service lineup changes significantly.

#### To program channels automatically:

- 1 Configure the ANT/CABLE In input if you have not already done so ( Page 28).
- 2 From the **Setup** menu, press ▲ or ▼ to select **Installation** and then press ...
- 3 Press ◀ or ▶ to highlight Terrestrial, and press ▲ or ▼ to select Channel Program and then press .
- 4 A screen will appear warning that previous programs and settings will be deleted.

Fress to start channel programming.
The TV will automatically cycle through all the channels, and store all active channels in the channel memory. When Auto Tuning is finished, press and or the programmed channels.

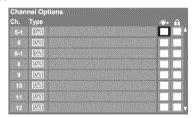
### Programming channels manually

After automatically programming channels into the channel memory, you can manually programming individual channels.

#### To skip channels in the channel memory

To prevent certain channels from being viewed, channel positions can be skipped.

- 1 From the **Setup** menu, press ▲ or ▼ to select **Installation** and then press ♠ or ▼ to
- Press or to highlight Terrestrial, and press or vo select Channel Options and then press ow. The list of channels will appear.



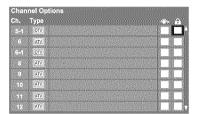
- 3 Press ▲ or ▼ to select a channel position to be skipped and then press . A tick will appear in the box. To remove the tick, press again.
- 4 To save the setting, press cancer.

Note: Skipped channels cannot be selected with (a) or (b); however, they can still be accessed using the number keys on the remote control.

#### To block channels in the channel memory:

You can block specific channels. You will not be able to tune blocked channels unless you unlock them.

1 From the **Channel Options** menu, press to move to the channel lock list.



- 2 Press ▲ or ▼ to select a channel position to be locked and then press . Enter your fourdigit PIN code. A tick will appear in the box. To remove the tick, press again.
- 3 To save the setting, press CANCEL.

## To manually add digital subchannels on a physical channel:

Use the Channel Numbers and the Dash ( $\stackrel{\text{JUMP}}{\cong}$ ) on the remote control to enter the channel number (for example, 56–1).

If the channel is found, the number will be added to the list.

If the channel is not found, a message will appear.

## To remove encrypted channels from the channel memory:

If an encrypted channel is accidentally added to the channel list by programming channels, you can remove the unwanted encrypted (non-viewable) channel while you are channel surfing. When you tunes to an encrypted channel, the following message will appear.

Digital Channel Is Encrypted - Press 1 on remote to remove channel

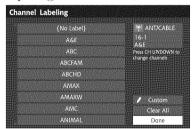
Press \( \bigcap \) while the message is on the screen to remove the unnecessary channel from the channel list.

## Labeling channels

A list of common channel labels (logos) for various channels (ABC, CBS, etc.) will be programmed into the TV. You will be able to view and assign these logos from the Channel Labeling window. If the desired channel label is not provided in the list, you will be able to manually enter/edit labels using the software keyboard.

#### To assign channel labels:

- 1 From the **Preferences** menu, press ▲ or ▼ to select **Channel Labeling** and then press
  - The Channel Labeling window opens.
- 2 Press and to select the channel you want to label.
- 3 Press ▲ ▼ ◆ to select the desired channel label and then press (mg).
- 4 Repeat steps 2 and 3 for other channels.
- **5** To save your settings, highlight **Done** and then press (area).



**Note:** The maximum number of labels that can be stored is 128.

#### To remove channel labels:

- 1 Open the Channel Labeling window.
- 2 Press (a) or (b) to select the channel for which you want to remove the label.
- 3 Press ▲ ▼ ◆ b to select {No Label} and then press (\*\*\*).
- 4 Repeat steps 2 and 3 for other channels.
- **5** To save your settings, highlight **Done** and then press (and).

#### To create and assign a custom label:

If the desired channel label is not available from the list of presets, you can create a custom label.

- 1 Open the Channel Labeling window.
- 2 Press (i) or (c) to select a channel you want to label.
- 3 Press ▲ or ▼ to select Custom and then press .
  The software keyboard will appear.
- 4 Repeatedly press the corresponding key on the remote control to highlight the desired character on the on-screen software keyboard.
- The highlighted character is entered after you either press a different key, press ▶, or after a two-second pause.
- 6 Repeat steps 4 and 5 until you have entered all desired text. Press when finished.
- 7 New labels will be added to the list in alphabetical order and marked with an icon to indicate that they are custom. Highlight the new custom label and then press for to assign.

#### To delete the custom label:

- 1 Open the Channel Labeling window.
- 2 Highlight the label to be deleted and then press
- 3 Highlight **Yes** from the deletion confirmation window and then press .

## Setting the HDMI™ audio mode

#### To set the HDMI<sup>TM</sup> audio mode:

- 1 From the **Sound** menu, press ▲ or ▼ to select **Audio Setup** and then press ♠ or ▼.
- 2 Press ▲ or ▼ to select HDMI 1 Audio and then press ◀ or ▶ to select the HDMI 1 audio mode (Auto is the recommended mode). See "Connecting an HDMI or DVI device to the HDMI™ input" (FSF Page 20).
- **3** To save your settings, highlight **Done** and then press (\*\*\*\*).

Mode	Description
Auto	When viewing the HDMI 1 input, if digital audio from the HDMI input is available, it will be output. If not, the TV will automatically detect and output analog audio from the PC Audio input.
Digital	When viewing the HDMI 1 input, digital audio from the HDMI input will be output.
Analog	When viewing the HDMI 1 input, analog audio from the PC Audio input will be output.

Note: Because the PC and HDMI-1 inputs share the same set of analog audio inputs, the PC Audio menu setting influences the HDMI 1 Audio menu setting. If PC Audio is set to "No", the HDMI 1 Audio setting changes to "Auto". If PC Audio is set to "Yes", the HDMI 1 Audio setting is set to "Digital" and is grayed out in the menu. (☞ "Connecting an HDMI or DVI device to the HDMI™ input" on Page 20.)

## Viewing the digital signal meter

You can view the digital signal meter in the ANT/CABLE digital TV input source only.

#### To view the digital signal meter:

- 2 Press 

  or 

  to highlight Terrestrial, and press 

  or 

  or 

  to select Signal Meter and then press 

  or

  or

  to select Signal Meter.
- 3 Press ▲ ▼ ◆ be to select the antenna input and digital channel whose signal you want to check.

#### Note:

- The physical digital channel number listed in the Signal Meter screen may not correspond to a virtual TV channel number. Contact your local broadcasters to obtain the RF channel numbers for your local digital stations.
- The signal strength does not change between virtual channels on the same physical channel.

## Setting the Time Zone

The Time Zone setup will allow you to specify the correct time zone for your region. This feature will allow the TV status information to show the correct time zone information for your viewing area.

#### To set the time zone:

- **3** Press ▲ and then ◀ or ▶ to select the region.
- 4 Highlight **Done**, and then press (NTP).

After the time zone has been set, you will be asked to set the current Daylight Saving Time status.

#### To set the Daylight Saving Time Status:

1 Press ◀ or ▶ to select **Yes** or **No**, highlight **Done**, and then press .

### Viewing the system status

- 1 From the **Setup** menu, press ▲ or ▼ to select **Installation** and then press ♠.
- 3 Press ◀ or ▶ to scroll through the menu bar to select **Support Information** and view the related information.

### **Reset Factory Defaults**

- 1 From the **Setup** menu, press ▲ or ▼ to select **Installation** and then press ...
- 3 Press ◀ or ▶ to scroll through the menu bar to select Factory Defaults.
- **4** Enter your PIN code (or 0000 if no PIN code has been set).
- Highlight Yes and then press . The TV will turn off automatically after a few seconds. After the TV turns off, unplug the TV power cord and then plug it in again to complete the reset process.

#### To cancel the reset:

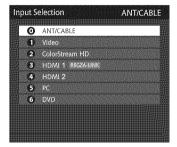
Highlight **No** and then press .

## Chapter 6: Using the TV's features

# Selecting the video input source to view

- 1 Press on the remote control or INPUT/
- 2 And then either:
  - a) Press 0–6; or
  - b) Repeatedly press ▲ or ▼ on the remote control and then press to change the input; or
  - c) Repeatedly press on the remote control or **INPUT/ENTER** on the TV control panel to change the input.

The current signal source displays in the top right corner of the **Input Selection** screen.



#### Note:

- You can label the video input sources according to the specific devices you have connected to the TV (res "Labeling the video input sources" at right).
- Sources can be hidden ( \*\* "Labeling the video input sources" at right).
- "No video signal" will appear randomly on the screen if no signal is received in video input mode.
- If CEC device is connected to an HDMI input, the REGZA-LINK icon will appear.

# If a REGZA-LINK® device with HDMI switching capability (e.g. Audio Receiver) is connected to the HDMI input:

Press on the remote control or **INPUT/ENTER** on the TV control panel repeatedly to highlight HDMI 1 or HDMI 2. If the connected CEC device has any connected devices, a separate device selection popup window will appear.

HDMI 1 - 1 Audio Receiver HDMI 1 - 2 Player Press cepeatedly to highlight the desired input source, and then press center.

#### Note:

- When selecting REGZA-LINK<sup>®</sup> input sources from the popup window using some REGZA-LINK<sup>®</sup> devices may automatically turn on.
- When selecting input sources using ▲ or
   ▼, you will have to press ⊕ to actually
   select a particular device from the popup
   window.

### Labeling the video input sources

You can label each video input source according to the type of device you connected to each source, from the following preset list of labels:

- -- (default label)
- Audio Receiver
- Cable
- Compact Disc
  - DTV
- DVD
- · Game Console
- HDMI Switch (HDMI inputs only)
- Laser Disc
- Satellite/DSS
- VCR
- Video Recorder
- Hide (to hide an unused input in the **Input Selection** screen)

Note: If you select PC in the Input Selection screen, you can choose only "——", "Game Console" or "Hide" as the label.

#### To label the video input sources:

- 1 From the **Preferences** menu, press \( \rightarrow \) or \( \text{v} \) to select **Input Labeling** and then press \( \rightarrow \).
- 2 Press ▲ or ▼ to select the video source you want to label.
- 3 Press ◀ or ▶ to select the desired label for that input source. If a particular input is not used, you can select Hide as the label, which will cause that input to be "grayed out" in the Input Selection screen and skipped over when you press on the remote control or INPUT/ENTER on the TV control panel
  - **INPUT/ENTER** on the TV control panel. To save the new input labels, highlight **Done**

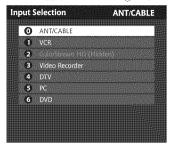
and then press em.

To revert to the factory default labels, highlight **Reset** and then press em.

### Chapter 6: Using the TV's features

#### Input labeling example:

The screen below is an example of how you could label the inputs if you connected a VCR to Video, a Video Recorder to HDMI 1, and a DTV set-top box to HDMI 2. Also note that the ColorStream HD input is labeled "Hidden", which means that input will be skipped over when will be skipped.



#### To clear the input labels:

- 1 From the **Preferences** menu, press **a** or **v** to select **Input Labeling** and then press **(oran)**.
- 2 Highlight Reset and then press (see ).

### **Tuning channels**

### **Setting the Channel Tuning Mode**

This feature allows you to choose how tuning will be handled for analog and digital channels when the TV is in Antenna mode.

Note: To use this feature, the Input Configuration must be set to Antenna (Figure 28).

The channel tuning mode has three options.

Mode	Description
Standard	Both analog and digital channels can be tuned normally.
Auto (Default)	Digital channels will have priority when manually entering a channel number using the Channel Number buttons (0-9) on the remote control, analog channels can still be tuned by
Digital	Only digital channels can be tuned.

- 1 From the **Setup** menu, press ▲ or ▼ to select **Installation** and then press ♠.
- 2 Press 

  or 

  to highlight Terrestrial, and then press 
  or 

  to select Channel Tuning Mode.
- **3** Press **◄** or **▶** to select your desired mode.

**Note:** Even if the **Channel Tuning Mode** is set to **Digital**, analog channel 3 will still be the default channel to prevent the initial case where no digital channels have been found in prior channel scans.

## Tuning to the next programmed channel

#### To tune to the next programmed channel:

Press on or end on the remote control or **PLAY/ CHANNEL** or **STOP/CHANNEL** on the TV control panel.

**Note:** This feature will not work unless you program channels into the TV's channel memory (real Page 29).

## Tuning to a specific channel (programmed or unprogrammed)

#### Tuning analog channels:

Press the Channel Number buttons (0–9) on the remote control. For example, to select channel 125, press 1, 2, 5, then [678].

#### **Tuning digital channels:**

Press the Channel Number buttons (0–9) on the remote control, followed by the dash ( button and then the sub-channel number. For example, to select digital channel 125-1, press 1,2,5,-,1, then (ms).

Note: If a digital channel is not programmed — either through the automatic channel scan (SP Page 29) or the channel add/skip function (Page 29) you will have to tune the RF channel using the Channel Number buttons and dash (P) on the remote control.

## Switching between two channels using Channel Return

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

- 1 Select the first channel you want to view.
- 2 Select a second channel using the Channel Number buttons (and the dash ( ) button if selecting a digital channel).
- Press (sign) on the remote control. The previous channel will display. Each time you press (sign), the TV will switch back and forth between the last two channels that were tuned.

**Note:** If you press from a non-antenna input, the TV will return to the last-viewed input.

### Selecting the picture size

You can view many program formats in a variety of picture sizes—Natural, TheaterWide 1, TheaterWide 2, TheaterWide 3, Full, 4:3 HD, Native and Dot by Dot (available in PC Mode Only).

**Note:** The "picture size" illustrations are examples only. The format of the image (in any of the picture sizes) will vary depending on the format of the signal you are currently watching. Select the picture size that displays the current program the way that looks best to you.

You can save separate picture size preferences for each input on your TV.

## To select the picture size using the remote control:

- 1 Press on the remote control.
- While the **Picture Size** screen is open, you can do one of the following to select the desired picture size:
  - Repeatedly press PIC SIZE
  - Press the corresponding Channel Number buttons (0–6) while the **Picture Size** screen is open.
  - Press ▲ or ▼ while the Picture Size screen is open.

#### To select the picture size using the menus:

- 1 From the **Picture** menu, press ▲ or ▼ to select **Theater Settings** and then press .
- 2 Press ▲ or ▼ to select Picture Size and then press ◄ or ▶ to select the desired picture size and then press ← or .
- 3 Highlight Done and then press erre.

**Note:** Some of the picture sizes may not be available depending on the receiving signal format (those will be "grayed out" in the **Picture Size** screen).

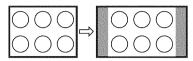
Using these functions to change the picture size (i.e., changing the height/width ratio) for any purpose other than your private viewing may be prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

**Note:** If you select one of the TheaterWide<sup>®</sup> picture sizes, the top and bottom edges of the picture (including subtitles or captions) may be hidden. To view the hidden edges, either scroll the picture (**TheaterWide 2** and **3** only) or try viewing the program in **Full** or **Natural** picture size.

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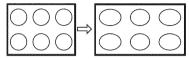
#### Picture Size

#### Natural



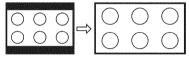
Some program formats will display with sidebars and/or bars at the top and bottom.

## TheaterWide 1 (for 4:3 format programs)



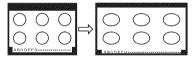
The center of the picture remains close to its original proportion, but the left and right edges are stretched wider to fill the screen

## TheaterWide 2 (for letter box programs)



The top and bottom edges of the picture may be hidden\*

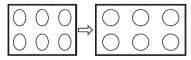
## TheaterWide 3 (for letter box programs with subtitles)



The top and bottom edges are hidden\*.

### Full

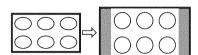
## (for 16:9 [480i, 480p] source programs only)



- If receiving a squeezed 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.

#### Picture Size

#### 4:3 HD (for 720p, 1080i, and 1080p program

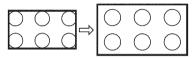


Picture is not distorted from original size.

#### Native

sources only)

(for 480i (HDMI), 480p (HDMI), 720p, 1080i, and 1080p signal programs)

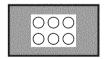


- If receiving a 480i (HDMI), 480p (HDMI), 720p, 1080i, or 1080p signal program, Native mode scales the video to display the entire picture within the borders of the screen (i.e. no overscanning).
- This is especially useful for external HD sources such as DVD, DVHS movies, or PC graphics.

#### Note:

- This mode is supported only for HDMI (1080p,1080i, 720p, 480p, and 480i), ColorStream (1080i and 720p), and ANT/ CABLE (digital) inputs (1080p,1080i, and 720p).
- Depending on the input signals, the border of the picture may be hidden, displayed in black, or noisy.

# Dot by Dot (for VGA, SVGA, XGA, and WXGA sources only)



The "Dot by Dot" picture is non-scaling display. Depending on the input signal formats, picture is displayed with sidebars and/or bars at the top and bottom. (Example: VGA input source)

<sup>\*</sup> To view the hidden areas (such as subtitles or captions), see "Scrolling the TheaterWide<sup>®</sup> picture" (tage Page 37).

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

You can set separate scroll settings for the TheaterWide 2 and TheaterWide 3 modes for each input.

- From the **Picture** menu, press ▲ or ▼ to select Theater Settings and then press (mrs).
- In the Picture Size field, select either TheaterWide 2 or TheaterWide 3 (you cannot scroll in any other mode).
- Press v to highlight the Picture Scroll field.
- Press 
  or to scroll the picture up and down as needed and then press (MER).
- To save the new settings, highlight **Done** and then press (MTER). To revert to the factory defaults, highlight Reset and then press (serie).

Note: When receiving a signal at 480i resolution, the picture scroll function may have limited adjustment range.

# Using the auto aspect ratio feature

When the auto aspect ratio feature is set to **On**, the TV will automatically select the picture size when one of the following input sources is received:

- A 480i, 480p, 720p, 1080i digital signal from the ANT/CABLE input
- A 480i signal from the Video input
- A 480i signal from the ColorStream HD input
- A 480i, 480p, 720p, 1080i, 1080p, or VGA (60Hz) signal from the **HDMI 1/2** input

**Note:** The auto aspect ratio feature is not applicable to the PC input.

#### To turn on the auto aspect ratio feature:

- From the **Picture** menu, press  $\triangle$  or  $\nabla$  to select **Theater Settings** and then press (min).
- Press ▲ or ▼ to select Auto Aspect Ratio and then press ◀ or ▶ to select **On** and then press (ENTER).
- To save the new settings, highlight **Done** and then press (sures). To revert to the factory defaults, highlight

**Reset** and then press (NTES).

# Selecting the cinema mode

When you view a DVD (3:2 pulldown processed) from a DVD player connected to the **Video**, ColorStream HD (component video), or HDMI inputs on the TV, smoother motion can be obtained by setting the Cinema Mode to Film.

To set the Cinema Mode to Film: (available for 480i and 1080i signals)

- From the **Picture** menu, press **\( \)** or **\( \)** to select Theater Settings and then press (error).
- Press ▲ or ▼ to select Cinema Mode and then press 
  or to select Film and then press (ENTER).
- To save the new settings, highlight Done and then press (ENTER). To revert to the factory defaults, highlight Reset and then press ......

To set the Cinema Mode to Video:

Select **Video** in step 2 above.

# Adjusting the picture

## Selecting the picture mode

You can select your desired picture settings from four different modes, as described below.

Mode	Picture Quality
Sports	Bright and dynamic picture (factory setting)
Standard	Standard picture settings (factory setting)
Movie	Lower contrast for darkened room (factory setting)
PC	Designed for viewing of PC tables and documents
Preference	Your personal preferences

**Note:** PC mode is available for HDMI and PC inputs only (grayed out for other input sources).

- 2 Press ▲ or ▼ to select the picture mode you prefer and then press [orne].

**Note:** The picture mode you select affects the current input only. You can select a different picture mode for each input.

# Adjusting the picture quality

You can adjust the picture quality (Contrast, Backlight, DynaLight<sup>TM</sup>, Brightness, Color, Tint, and Sharpness) to your personal preferences.

Selection	Pressing <b>∢</b>	Pressing >
Contrast	lower	higher
Backlight*	darker	lighter
DynaLight**	On/Off	On/Off
Brightness	darker	lighter
Color	paler	deeper
Tint	reddish	greenish
Sharpness	softer	sharper

<sup>\*</sup> Backlight

This feature adjusts the brightness of the entire screen. When in video mode and no signal is input, this will automatically be set to 0 (Settings are stored in memory).

\*\* DynaLight

This function automatically strengthens the black coloring of dark areas in the video according to the level of darkness.

- 1 From the **Picture** menu, press ▲ or ▼ to select **Picture Settings** and then press ♠ or ▼ to
- 2 Press ▲ or ▼ to select the picture quality you want to adjust (Contrast, Backlight, DynaLight, Brightness, Color, Tint, or Sharpness).
- **3** Press ◀ or ▶ to adjust the setting, as described in the table above and then press ♠.
- 4 To save the new settings, highlight **Done** and then press . You can use any of the picture modes ( "Selecting the picture mode" at left column) as a starting point for adjusting the picture settings.

To revert back to the base mode that you began adjusting the picture settings from, highlight **Reset** and then press [679].

The picture qualities you adjusted are automatically saved in the **Preference** mode (FS "Selecting the picture mode" at left column) until **Reset** is selected.

# Using the closed caption mode

## Base closed captions

The closed caption mode has two options:

- Captions—An on-screen display of the dialogue, narration, and sound effects of TV programs and videos that are closed captioned (usually marked "CC" in program guides).
- Text—An on-screen display of information not related to the current program, such as weather or stock data (when provided by individual stations).
- 1 From the Preferences menu, press ▲ or ▼ to select Base CC Mode.
- 2 Press ✓ or ► to select the desired closed caption mode.
- To view captions:

Highlight CC1, CC2, CC3, or CC4. (CC1 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:

Highlight T1, T2, T3, or T4.



**Note:** If text is not available in your area, a black rectangle may appear on screen. If this happens, set the **Base CC Mode** to **Off** 

• To turn off the closed caption mode:

Select Off in step 2 above.

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

- · When a videotape has been dubbed
- · When the signal reception is weak
- · When the signal reception is non-standard

## Digital CC Settings

You can customize the closed caption display characteristics by changing the background color, opacity, text size, type, edge, and color.

#### Note

- This feature is available for digital channels only.
- You cannot set the Caption Text and Background as the same color.

Mode	Description
Caption Size	Auto, Small, Standard, Large
Caption Text Type	Auto, Default, Mono w. Serif, Prop. w. Serif, Mono w/o Serif, Prop. w/o Serif, Casual, Cursive, Small Capitals
Caption Text Edge	Auto, None, Raised, Depressed, Uniform, Left Drop Shadow, Right Drop shadow
Caption Text Color	Auto, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan
Text Foreground Opacity	Auto, Transparent, Translucent, Flashing, Solid
Background Color	Auto, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan
Text Background Opacity	Auto, Transparent, Translucent, Flashing, Solid
Caption Text Edge Color	Auto, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan

#### To customize the closed captions:

- From the Preferences menu, press ▲ or ▼ to select Digital CC Settings and then press ...
- 2 Press ▲ or ▼ to select the characteristic you want to change, and then press ◄ or ▶ to select the format for that characteristic (see table above).
- **3** To save the new settings, highlight **Done** and then press ...

To revert to the factory defaults, highlight **Reset** and then press (and).

### **CC Selector**

You can use the **CC** and **Digital Audio Selectors** to temporarily override the default analog caption mode (set in **Base CC Mode**) for a particular channel. However, once you change to another analog channel, the closed caption setting will automatically change back to the current **Base CC Mode** setting.

You can also use the CC Selector to select digital closed caption services (if available). When such services are not available, the CC Selector presents a default list of services. If the selected service is not available, the next best service will be used instead.

#### To select closed cations:

- 1 From the Preferences menu, press ▲ or ▼ to select CC and Digital Audio Selectors and then press .
- 2 Press ▲ or ▼ to select Closed Caption, and then press ◀ or ▶ to select the desired service.
- 3 Press cancel.

# Adjusting the audio

## Muting the sound

Press on the remote control to partially reduce (1/2 MUTE) or turn off (MUTE) the sound. Each time you press the mute mode will change in the following order:



If the closed caption mode is set to **Off** when you select "MUTE" mode, the closed caption feature is automatically activated if the TV program is Closed Captioned. To mute the audio without automatically activating the closed caption feature, use by to set the volume to 0. See "Using the closed caption mode" (Fig. Page 39) for more information on closed caption modes.

# Using the digital audio selector

You can use the **CC and Digital Audio Selectors** to conveniently switch between audio tracks on a digital channel (for those channels that have multiple audio tracks).

### To use the digital audio selector:

- 1 From the Preferences menu, press ▲ or ▼ to select CC and Digital Audio Selectors and then press .
- Press ▲ or ▼ to select Audio, and then press ◀ or ▶ to select the desired service.
- 3 Press CANCEL.

# Selecting stereo/SAP broadcasts

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

When the TV receives a stereo or SAP broadcast, the word "STEREO" or "SAP" appears on-screen when beginner is pressed. The MTS feature is only available for analog signals on the ANT/CABLE input.

# Chapter 6: Using the TV's features

#### To listen to stereo sound:

- 1 From the **Sound** menu, press ▲ or ▼ to select **Audio Setup** and then press a.

#### Note:

- You can typically leave the TV in Stereo mode because it will automatically output the type of sound being broadcast (stereo or monaural).
- If the stereo sound is noisy, select Mono to reduce the noise.

# To listen to an alternate language on an ATSC digital station (if available):

Highlight the **Language** field in step 2 above, and then press ◀ or ▶ to select the language you prefer.

# To listen to a second audio program on an analog station (if available):

Select **SAP** in step 2 above.

#### Note:

- A second audio program (SAP) can be heard only on those TV stations that offer it. For example, a station might broadcast another language as a second audio program. If you have SAP on, you will see the current program on the screen but hear the other language instead of the program's normal audio.
- If you have SAP on and the station you are watching is not 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.

## Adjusting the audio quality

You can adjust the audio quality by adjusting the bass, treble, and balance.

- 1 From the **Sound** menu, press ▲ or ▼ to select **Audio Settings** and then press (see ).
- 2 Press ▲ or ▼ to select the item you want to adjust (Bass, Treble or Balance).
- **3** Press **◄** or **▶** to adjust the level.
  - makes the bass or treble weaker or increases the balance in the left channel (depending on the item selected).
  - makes the bass or treble stronger or increases the balance in the right channel (depending on the item selected).

**Note:** Selecting **Speakers** in step 2 and setting it to **Off** will mute the TV's built-in speakers.

# Selecting the optical audio output format

You can use this feature to select the optical audio output format when you connect a Dolby Digital decoder or other digital audio system to the **Optical Audio Out** terminal on the TV (FSF "Connecting a digital audio system" on Page 22).

- 1 From the **Sound** menu, press ▲ or ▼ to select **Audio Setup** and then press ♠ or ▼ to
- 2 Press ▲ or ▼ to select Optical Output Format and then press ◀ or ▶ to select either Dolby Digital or PCM, depending on your device.

Reset and then press (ENTER).

# Using the Dolby® Digital Dynamic Range Control feature

This dynamic range control feature causes the ATSC dynamic range to be further compressed, allowing you to switch from ATSC to analog broadcasts at the same dynamic range.

- 1 From the **Sound** menu, press ▲ or ▼ to select **Audio Setup** and then press ♠ or ▼.
- 2 Press ▲ or ▼ to select Dolby Digital
  Dynamic Range Control and then press ◀
  or ▶ to select Compressed. When
  Standard is selected, the audio is output with
  minimal compression.
- To save the new settings, highlight **Done** and then press ...
  To revert to the factory defaults, highlight **Reset** and then press ....

#### Note:

- This item will be grayed out for NTSC signals, Video, ColorStream, and PC inputs.
- The Dolby Digital Dynamic Range Control will function in relation to Optical Output Format (PCM mode).

# Using the Locks menu

The Locks menu includes the Enable Rating Blocking, Edit Rating Limits, Input Lock, Control Panel Lock, GameTimer and New PIN Code features. You can use these features after entering the correct PIN code.

# Entering the PIN code

- 1 Press serile and then press ◀ or ▶ to highlight Locks.
- 2 Press ▼, which displays the PIN code entry screen.
  - The **Lock System** screen appears if a PIN code has not been stored. Press the Channel Number buttons to enter a new four-digit code, enter the code a second time to confirm, and then press [679].

If the wrong PIN code is entered, the message "Incorrect PIN code, please try again!" appears. Highlight **Retry** and then press —. Enter the code again and then press —.

When the correct PIN code is entered, the **Locks** menu opens.

# If you cannot remember your PIN code

While the PIN code entering screen is displayed, press before four times within five seconds. The PIN code will be cleared and you can enter a new PIN code.

# Changing your PIN code

- 1 From the **Locks** menu, press ▼ to display the PIN code entering screen.
- 2 Enter your four-digit PIN code and then press
- 3 Press ▲ or ▼ to select New PIN Code and then press .
- 4 Press the Channel Number buttons to enter a new four-digit code. Reenter the PIN code to confirm it.
- **5** Press (series). The new PIN code is now active.

# Blocking TV programs and movies by rating (V-Chip)

Some TV programs and movies include signals that classify the content of the program (violence, sex, dialogue, language). The V-Chip feature in this TV detects the signals and blocks the programs according to the ratings you select. (For rating descriptions, see the tables on the next page.)

**Note:** Rating blocking is a function of the V-Chip feature in this TV, which supports the U.S. V-Chip system only.

# To block and unblock TV programs and movies:

- 1 From the **Locks** menu, press ▼ to display the PIN code entering screen.
- 2 Enter your four-digit PIN code and then press
- 3 Press ▲ or ▼ to select Enable Rating Blocking.
- 4 Press or ▶ to select **On** and then press (settle).
- 5 Press ▲ or ▼ to select Edit Rating Limits and then press . The Edit Rating Limits screen appears.
- 6 Press ▲ ▼ d or ▶ and then press to select the level of blocking you prefer. A box with an "X" is a rating that will be blocked. As you highlight a rating, a definition for the rating appears at the bottom of the screen.
- **7** When done selecting the ratings you want to block, highlight **Done** and then press (man).

# Downloading an additional rating system for blocking TV programs and movies

An additional rating system may be available for use in selectively blocking programs.

**Note:** The currently tuned station must be receiving a digital signal before an additional rating system can be downloaded.

# To download the additional rating system (if available):

- 1 From the Locks menu, press ▼ to display the PIN code entering screen.
- Enter your four-digit PIN code and then press (mm).

- 3 Press ▲ or ▼ to select Enable Rating Blocking.
- **4** Press **⋖** or **>** to select **On** and then press (series).
- Fress ▲ or ▼ to select Edit Rating Limits and then press . The Edit Rating Limits screen appears.

#### Note:

- The Alt RS button will only be available if an additional rating system is currently available.
- It may take several minutes for the TV to download the additional rating system.
- The information displayed in the Alternate Ratings screen will depend on the configuration of the additional rating system available at the time of download.
- 7 Press ▲ ▼ ◀ or ▶ and then press wo to select the level of blocking you prefer. A box with an "X" is a rating that will be blocked.
- 8 When done selecting the ratings you want to block, highlight **Done** and then press [press].
- 9 In the Edit Rating Limits screen, highlight Done and then press [week].

#### Note:

- The additional rating system can only be downloaded one time. You will not be able to download any updates to the rating system should such updates become available.
- The additional rating system is not designed, transmitted, or controlled by the TV or Toshiba, nor is the availability of an additional rating system determined or controlled by Toshiba. Similarly, the rating of programs in an additional rating system is not determined, transmitted, or controlled by the TV or Toshiba.
- The additional rating system is an evolving technology; therefore, availability, content, and format may vary.

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

Independent rating system for movies	
Ratings	Description and Content themes
Х	X-rated (For adults only)
NC-17	Not intended for anyone 17 and under
R	Restricted (Under 17 requires accompanying parent or adult)
PG-13	Parents Strongly Cautioned (Some material may be inappropriate for children under 13)
PG	Parental Guidance Suggested (Some material may not be suitable for children)
G	General Audience (Appropriate for all ages)

#### Note:

- If you place an "X" in the box next to " 'None'
  Rated," programs rated "None" will be
  blocked; however, programs that do not
  provide any rating information will not be
  blocked.
- To display the rating of the program you are watching, press ™ on the remote control. If it is rated "None," the word "TV-NONE" appears in the display screen (as shown below right). If rating information is not provided, no rating will appear in the display screen.



# Unlocking programs temporarily

If you try to tune the TV to a program that exceeds the rating limits you set, the TV will enter program lock mode and a warning message will appear onscreen.

You can either temporarily unlock the program or select an unlocked program to watch.

- 1 Press MUTE.
- 2 Enter your four-digit PIN code and then press [10]. If the correct code is entered, the program lock mode is released and the normal picture appears. All locking is disabled until the TV is turned off, and will be enabled when the TV is turned on again.

# Chapter 6: Using the TV's features

# Using the input lock feature

You can use the Input Lock feature to lock the video inputs (Video, ColorStream HD, HDMI 1, HDMI 2, and PC) and channels 3 and 4. You will not be able to view the input sources or channels until you unlock the inputs.

- 1 From the Locks menu, press ▼ to display the PIN code entering screen.
- 2 Enter your four-digit PIN code and then press
- 3 Press ▲ or ▼ to select Input Lock.
- 4 Press or ▶ to select the level of video input locking you prefer, as described below.
- **5** Press cancel to exit.

Mode	Description
Video	Locks Video, ColorStream HD, HDMI 1, HDMI 2, and PC.
Video+	Locks Video, ColorStream HD, HDMI 1, HDMI 2, PC and channels 3 and 4. • Select <b>Video+</b> if you play video tapes via an ANT/ CABLE input.
Off	Unlocks all video inputs and channels 3 and 4.

# Using the GameTimer®

You can use the GameTimer to set a time limit for playing a video game (30–120 minutes). When the GameTimer expires, the TV enters Input Lock mode and locks out the input source for the video game device.

# To set the GameTimer®:

- 1 From the Locks menu, press ▼ to display the PIN code entering screen.
- 2 Enter your four-digit PIN code and then press
- **3** Press ▲ or ▼ to select **GameTimer**.
- 4 Press 

  or 

  to select the length of time until the Input Lock is activated (30, 60, 90, or 120 minutes).
- **5** Press cancel to exit.

## To cancel the GameTimer®:

Select **Off** in step 4 above.

# To deactivate the Input Lock once the GameTimer® has activated it:

Set the **Input Lock** to **Off** ( left column).

#### Note:

- A message will appear when 10 minutes, 3 minutes, and 1 minute remain on the GameTimer
- If the TV loses power with time remaining on the GameTimer, when power is restored, the TV will enter Input Lock mode (as if the GameTimer had been activated) and you will have to deactivate the Input Lock (IST) left column).

# Using the control panel lock feature

You can lock the control panel to prevent your settings from being changed accidentally (by children, for example). When the control panel lock is **On**, none of the controls on the TV control panel will operate except **POWER**.

- 1 From the **Locks** menu, press ▼ to display the PIN code entering screen.
- 2 Enter your four-digit PIN code and then press
- 3 Press ▲ or ▼ to select Control Panel Lock.
- **4** Press **◆** or **▶** to select **On** and then press to exit.

When the control panel is locked and any button on the control panel (except **POWER**) is pressed, the message "NOT AVAILABLE" appears.

## To unlock the control panel:

Select **Off** in step 4 above, or press and hold **VOLUME**— on the TV control panel for about 10 seconds until the volume icon appears.

# Using the PC settings feature

You can view an image from a PC on the TV screen. When a PC is connected to the TV's PC IN terminal, you can use the PC Settings feature to make adjustments to the image. If the edges of the picture are cut off, readjust the Horizontal Position and Vertical Position. If the picture is affected by interference, readjust the Clock Phase and Sampling Clock.

- 1 Repeatedly press to select PC input mode (LST "Selecting the video input source to view" on Page 33).
- 2 From the **Setup** menu, press ▲ or ▼ to select **PC Settings** and then press ♠ or ▼ to

**Note:** If a PC is not connected or there is no PC input signal, this feature will be grayed out in the **Setup** menu.

- 3 Press ▲ or ▼ to select the item you want to adjust.
- 4 Press 

  ✓ or 

  ✓ to make the appropriate adjustments.

**Note:** The screen is disrupted momentarily when adjusting the PC settings. This is not a sign of malfunction.

Mode	Description
Horizontal Position	Moves the picture left/right. The adjustment range is within ±50 from center.*
Vertical Position	Moves the picture up/down. The adjustment range is within ±10 from center.*
Clock Phase	Helps to reduce noise and sharpen the picture. The adjustment range is within ±16 from center.*
Sampling Clock	Helps to reduce noise and minimize periodic vertical stripes on the screen. The adjustment range is within ±10 from center.*
Auto Adjust	Highlight this item and then press to get an optimum adjustment automatically.

<sup>\*</sup> The default settings may vary depending on the input signal format.

# Setting the PC Audio

This function allows you to output or mute the sound from your PC when connecting using the PC IN terminal and an analog RGB cable (1287 Page 23).

- 1 From the **Sound** menu, press ▲ or ▼ to select **Audio Setup** and then press .
- 2 Press ▲ or ▼ to select PC Audio and then press ◀ or ▶ to select No or Yes.

**Yes:** When viewing the PC input, the audio from the PC Audio input can be heard.

**No:** When viewing the PC input, there will be no audio.

Note: Because the PC and HDMI 1 inputs share the same set of analog audio inputs, the PC Audio menu setting influences the HDMI 1 Audio menu setting. If PC Audio is set to "No", the HDMI 1 Audio setting changes to "Auto". If PC Audio is set to "Yes", the HDMI 1 Audio setting is set to "Digital" and is grayed out in the menu. (IS "Setting the HDMI™ audio mode" on Page 31.)

# Setting the sleep timer

You can set the sleep timer to turn off the TV after a set length of time (maximum of 180 minutes).

# To set the sleep timer using the remote control:

Press ○ on the remote control to set the length of time until the TV turns off. Repeatedly press ○ to increase the time in 10-minute increments, or press ▲ or ▼ to increase or decrease the time in 10-minute increments, to a maximum of 180 minutes.

# To set the sleep timer using the on-screen menus:

- 1 From the **Setup** menu, press ▲ or ▼ to select **Sleep Timer** and then press ♠ or ▼.
- 2 Press the Channel Number buttons to enter the length of time in 10-minute increments.
- 3 Highlight **Done** and then press (RTER).

**Note:** When a power failure occurs, the sleep timer setting may be cleared.

### To display the remaining sleep time:

Press C.

**Note:** A message will display on-screen when there is one minute remaining on the sleep timer.

#### To cancel the sleep timer:

Repeatedly press outil it is set to 0 minute.

# Using REGZA-LINK®

This is a new feature that uses CEC technology and allows you to control Toshiba REGZA-LINK® compatible devices from the TV remote via HDMI connection (FSF Page 21).

When the **Enable REGZA-LINK** in the **REGZA-LINK** setup menu (For Page 49) is set to **On**, the following REGZA-LINK® functions will be enabled.

# REGZA-LINK<sup>®</sup> playback device (DVD player, etc.) control

With your TV's remote control, or using the **REGZA-LINK Player Control** menu, you can control the connected REGZA-LINK® playback device you are watching.

#### Available remote control key functions:

Button	Description
PLAY	Begins playback.
STOP	Stops playback.
PAUSE	Pauses the picture during play or record mode.
CLOSED CAPTION SKIP	Skips forward.
CHRTN SKIP	Skips backward.
REV FF	Fast-forwards/Fast-reverses.
ENTER	Enters contents menu, etc.
<b>A V 4 &gt;</b>	Navigates contents menu, etc.
CANCEL	Closes the menu.

**Note:** These functions depend on the devices connected.

# REGZA-LINK® Player Control menu functions

- 1 From the Preferences menu, press ▲ or ▼ to select REGZA-LINK Player Control and then press [area].
- 2 Press ▲ or ▼ to select the item you want to control and then press (map).

Item	Description
Power	Turns the selected device on and off.
Root Menu	Accesses the top menu of the selected device.
Contents Menu	Accesses the contents list when you press . At this time, the REGZA-LINK Player Control menu will disappear.
Setup Menu	Accesses the setup menu of a DVD player.
Top Menu	Accesses the top menu of a DVD during playback.
Menu	Accesses the menu of a DVD during playback.

#### Note:

- These functions depend on the devices that are connected.
- The REGZA-LINK Player Control item will be grayed out in the following conditions:
  - A non-HDMI input is currently selected.
  - The **Enable REGZA-LINK** item is set to **Off**.
  - The connected CEC device is not a playback or recording device.

# REGZA-LINK® input source selection

If a REGZA-LINK® device with HDMI switching capability (e.g. Audio Receiver) is connected to the HDMI input, you can select another REGZA-LINK® device that is connected to the master HDMI device using on the remote control or the TV control panel (1887 Page 33).

# VOLUME and MUTE controls of Audio Receiver

With your TV's remote control, you can adjust or mute the sound volume of the Audio Receiver.

- 🔊 🖭 adjust the volume level.
- MUTE turns off the sound.

#### Note:

- · To use this function:
  - Set Speaker Preference to Audio Receiver in the REGZA-LINK Setup menu.
  - Confirm that a connected REGZA-LINK<sup>®</sup> device (such as DVD player, etc.) is selected for the Audio Receiver input source.
- You can also use this function when the audio receiver is connected to the TV's DIGITAL AUDIO OUT terminal (not HDMI connection). In this case, select a digital audio input mode on the Audio Receiver.
- These functions depend on the device connected.

### Other REGZA-LINK® functions

When the **Enable REGZA-LINK** and each item in the **REGZA-LINK Setup** menu are set to **On**, the following functions will be enabled.

Item	Description
TV Auto Input Switch	If a connected HDMI device starts playing video or audio, the TV will automatically switch to the appropriate HDMI input.
TV Auto Power On	If a device is turned on, the TV turns on automatically.
Device Auto Standby	If the TV is turned off, the TV will send a message to turn off all of the devices connected to the TV.
Speaker Preference	From this item, you can set your audio output preference to the TV speakers or the audio receiver speakers. When this item is set to <b>Audio Receiver</b> , the TV remote can be used to adjust or mute the volume of the audio receiver. This item will be grayed out unless a REGZA-LINK® compatible audio receiver is connected.

# Chapter 6: Using the TV's features

**Note:** When you turn on the audio receiver, change its input source, or adjust the sound volume, the sound will be output from the audio receiver's speakers even if **TV Speakers** has been selected. Turn the TV off and on again to output the sound from the TV speakers.

### To set the REGZA-LINK® Setup:

- 1 From the **Setup** menu, press ▲ or ▼ to select **REGZA-LINK Setup** and then press (marg).
- 2 Press ▲ or ▼ to select Enable REGZA-LINK and then press ◀ or ▶ to select On.

**Note:** If you select **Enable REGZA-LINK Off**, the other items will be grayed out.

- 3 Press ▲ or ▼ to select the REGZA-LINK Setup item you want to use and then press ◀ or ► to select On or desired mode.
  - TV Auto Input Switch: On/Off
  - TV Auto Power: On/Off
  - Device Auto Standby: On/Off
  - Speaker Preference: TV Speakers/Audio Receiver
- To save the new settings, highlight **Done** and then press (press).

To revert to the factory defaults, highlight **Reset** and then press ......

# Displaying TV status information

# To display TV status information using DISPLAY:

Press on the remote control.

The following information will display (if applicable):

- Current input (ANT/CABLE, Video, etc.)
- If ANT/CABLE is the current input, either "CABLE" (for cable TV) or "ANT" (for overthe-air broadcasts).
- Channel number (if in ANT/CABLE mode)
- Channel label (if set)
- Digital signal strength indicator (bar graph in lower right corner of box; for ATSC signal only)
- Stereo, Mono or SAP audio status (when HDMI input mode, Dolby Digital or PCM)
- Video resolution

- Aspect ratio of incoming video signal (4:3 or 16:9)
- V-Chip rating status
- GameTimer (if set)



### To display more TV information:

Press on the remote control again.

The following additional information will display for off air digital channels (if applicable):

- Title
- Duration
- · Detailed description



**Note:** The location of the banner can be moved to the top or bottom of the screen by pressing ▲ or ▼ while the DISPLAY is onscreen.

# Understanding the auto power off feature

The TV will automatically turn itself off after approximately 15 minutes if it is tuned to a vacant channel or a station that completes its broadcast for the day. This feature functions in **ANT/CABLE** mode only.

# Understanding the last mode memory feature

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

**Note:** If it's possible, and you will be away from the TV for an extended period of time, you should unplug the power cord.

# Using the advanced picture settings features

## Using dynamic contrast

When dynamic contrast is set to **On**, the TV will detect changes in the picture quality that affect the appearance of your contrast settings and then automatically adjust the video.

### To select dynamic contrast preferences:

- 1 From the **Picture** menu, press ▲ or ▼ to select **Picture Settings** and then press .
- 2 Press ▲ or ▼ to select Advanced Picture Settings and then press ♠...
- 3 Press ▲ or ▼ to select Dynamic Contrast and then press ◀ or ▶ to select either Off or On and then press .
- **4** To save the new settings, highlight **Done** and then press [ero].

To revert to the factory defaults, highlight **Reset** and then press (see).

**Note:** If you select one of the factory-set picture modes (**Sports**, **Standard**, **Movie** or **PC**) and then change the dynamic contrast setting, the picture mode automatically changes to **Preference**.

# Using the static gamma feature

The static gamma feature allows you to adjust the levels of black in the picture.

#### To adjust the static gamma settings:

- 2 Press ▲ or ▼ to select Advanced Picture Settings and then press .
- 3 Press ▲ or ▼ to select **Static Gamma** and then press ◀ or ▶ to adjust the static gamma and then press .

The adjustment range is within  $\pm 5$  from center.

- If the setting is moved in the minus direction, the detail of black colors will be decreased.
- If the setting is moved in the plus direction, the detail of black colors will be increased.

**4** To save the new settings, highlight **Done** and then press (mark).

To revert to the factory defaults, highlight **Reset** and then press (and then press).

**Note:** If you select one of the factory-set picture modes (**Sports**, **Standard**, **Movie** or **PC**) and then change the static gamma setting, the picture mode automatically changes to **Preference**.

## Selecting the color temperature

You can change the quality of the picture by selecting from three preset color temperatures (**Cool**, **Medium**, and **Warm**), as described below.

Mode	Picture Quality
Cool	blueish
Medium	neutral
Warm	reddish

#### To select the color temperature:

- 1 From the **Picture** menu, press ▲ or ▼ to select **Picture Settings** and then press .
- 2 Press ▲ or ▼ to select Advanced Picture Settings and then press .
- 3 Press ▲ or ▼ to select Color Temperature and then press ◀ or ▶ to select the mode you prefer and then press ←.
- 4 Press ▲ or ▼ to select either B Drive or G
  Drive and then press ◀ or ▶ to adjust the settings and then press .
  - B Drive: makes the picture blueish.
  - G Drive: makes the picture greenish.

**Note:** The **B Drive** and **G Drive** settings are connected to the **Color Temperature** settings and will change based on which setting is selected in step 3 above.

**5** To save the new settings, highlight **Done** and then press (mm).

To revert to the factory defaults, highlight **Reset** and then press (ma).

**Note:** If you select one of the factory-set picture modes (**Sports**, **Standard**, **Movie** or **PC**) and then change the color temperature mode, the picture mode automatically changes to **Preference**.

# Using CableClear® digital noise reduction

The CableClear® digital noise reduction feature allows you to reduce visible interference in your TV picture. This may be useful when receiving a broadcast with a weak signal (especially a Cable channel) or playing a noisy video cassette or disc.

#### To change the CableClear settings:

- 1 From the **Picture** menu, press ▲ or ▼ to select **Noise Reduction** and then press ♠.
- 2 Press ▲ or ▼ to select CableClear and then press ◀ or ▶ to select your desired setting and then press ♠ or ▶ to select your desired setting and

#### Note:

- If the current input is ANT/CABLE, or Video, the menu will display the text "CableClear". The available selections are Off. Low. Middle, and High.
- If the current input is ColorStream HD, HDMI 1, or HDMI 2, the menu will display the text "DNR". The available selections are Off, Low, Middle, and High. Low, Middle, and High will reduce the noise in varying degrees, from lowest to highest, respectively.

# Using MPEG noise reduction

The MPEG noise reduction feature allows you to reduce visible interference caused by MPEG compression. Choices for MPEG noise reduction are **Off**, **Low**, **Middle**, and **High**. **Off** is automatically selected when this feature is disabled ("grayed out").

#### To select the MPEG noise reduction level:

- 2 Press ▲ or ▼ to select MPEG Noise Reduction and then press ◄ or ► to select either Off, Low, Middle or High and then press .
- To save the new settings, highlight Done and then press .
  To revert to the factory defaults, highlight Reset and then press .

## Using the Game Mode feature

You can use the Game Mode feature for shorter frame delays when playing a video game requiring split-second timing between the on-screen display and input from the controller (such as music creation and high-action games).

This feature is more effective for 480i and 1080i input signals.

**Note:** To use the Game Mode feature, the current video input must be **Video**, **ColorStream HD**, **HDMI 1**, or **HDMI 2**. The Game Mode cannot be turned on when any other video input is selected.

#### To turn on Game Mode:

- 1 From the Picture menu, press ▲ or ▼ to select Game Mode.
- **2** Press **⋖** or **▶** to select **On**.

#### To turn off Game Mode:

Select **Off** in step 2 above, change the video input, or turn the TV off and then on again.

Note: You can change the video input by pressing on the remote control (w Page 33).

# Using the Auto Brightness Sensor

When the Auto Brightness Sensor feature is set to **On**, the TV will automatically optimize the backlighting levels to suit ambient light conditions.

- 2 Press ▲ or ▼ to select Advanced Picture Settings and then press .
- 3 Press ▲ or ▼ to select Auto Brightness Sensor and then press ◄ or ▶ to select On or Off and then press .
- **4** To save the new settings, highlight **Done** and then press (SARRE).
  - To revert to the factory defaults, highlight **Reset** and then press (some).

# Using the advanced audio settings features

# Using the QSound® sound feature

**QSound®** is the original name for a positional three-dimensional (3D) sound processing algorithm from QSound Labs, Inc. that creates 3D audio effects from multiple monophonic sources and sums the outputs to two channels for presentation over regular stereo speakers.

## To adjust the QSound® settings:

- **1** Set the TV in **Stereo** mode ( "S" "Selecting stereo/SAP broadcasts" on Page 40).
- 2 From the Sound menu, press ▲ or ▼ to select Advanced Audio Settings and then press .
- 3 Pres ▲ or ▼ to select the **QSound** feature and then press ◀ or ▶ to turn the QSound effect **On** or **Off**.
- **4** To save the new settings, highlight **Done** and then press (orm).

To revert to the factory defaults, highlight **Reset** and then press [1978].

**Note:** If the broadcast is monaural, the OSound effect will not work.

# **Using the Media Player**

The TV allows you to enjoy photos and music stored on a USB device

**Note:** Do not insert/remove the USB device while in use.

# Media Player Specifications

#### Device

USB device:

USB Mass Storage Class devices (MSC)

#### Note:

- •Connectivity is not guaranteed for all devices.
- •Connect the USB device to the TV directly.
- •Do not use a USB hub.

#### Supported file system

FAT12, FAT16 and FAT32

#### Supported photo format:

JPEG Exif ver 2.2 (DCF ver 1.1)

- Maximum viewable resolution: 8192 x 8192 pixels
- Maximum photo size: 9 MB

**Note:** It may take some time to open a file of large size.

#### Supported music format:

MPEG-1 (MP3)

- Sampling rate: 32, 44.1, 48 kHz
- ID3: ver.1, ver.2

#### Folder specifications

• Total number of files: Less than 2000 per folder

You must obtain any required permission from copyright owners to download or use copyrighted content. Toshiba cannot and does not grant such permission.

## **Basic Operation**

#### To set Auto Start:

- 1 From the **Setup** menu, press ▲ or ▼ to select **Media Player** and then press ♠ on ▼.
- 2 Press ▲ or ▼ to select Auto Start and then press ◀ or ▶ to select On.

#### Auto Start:

- 1 Insert USB device into the **USB** terminal on the left side of the TV.
- 2 A prompt will appear. Press 

  or 

  to select

  Yes and then press 

  or

  or

  to select
- 3 Press ▲ or ▼ to select **Photo** or **Music** and then press → The photo thumbnail view or music list will appear.

**Note:** If **Auto Start** is set to **Off**, you can start the Media Player manually.

#### To set manual Start:

- 1 Insert USB device into the **USB** terminal on the left side of the TV.
- 3 Press ▲ or ▼ to select Photo or Music and then press . The photo thumbnail view or music list will appear.

### To close the Media Player:

Press on the TV will return to the last-viewed channel or video input.

### Viewing JPEG files

#### To view in Single View mode:

- 1 From Media Player menu, press ▲ or ▼ to select Photo and then press .
- When the thumbnail view appears, press ▲

  ✓ ✓ or ► to select a file or folder.

**Note:** An incompatible JPEG file will be displayed with an incompatible jecon.

- **3** Press come to begin viewing the selected file in full screen or to open the selected folder.

#### To view in Slide Show mode:

- 1 To switch to the Slide Show mode, press while in Single View mode.

  To return to Single View mode, press again.

#### To rotate the image:

While viewing the image in Single View mode, press ▲ to rotate the image 90 degrees clockwise, or press ▼ to rotate the image 90 degrees counterclockwise.

#### To return to the thumbnail:

Press diving while in Single View mode or Slide Show mode.

### To use the photo Quick Menu:

You can select your preferred photo viewing settings from the photo **Quick Menu**.

1 From the photo Single View, Slide Show or thumbnail mode, press to enter the Quick Menu

**Note:** The Quick Menu items of thumbnail and Single View/Slide Show modes are different.

- 2 Press ▲ or ▼ to select the item you want to adjust.
- **3** Press **⋖** or **▶** to select your preferred setting.
- Press <sup>semust</sup> to return to the previous photo view mode.

Item	Description
Sort*	To set the file sorting preference in thumbnail view.  • Title: to sort the files by file name.  • New: to sort the files from new to old by file date.  • Old: to sort the files from old to new by file date.
Interval Time	To set a time interval to view photos at your preferred intervals (3sec, 5sec, 10sec, 15sec, 30sec, 60sec, or 90sec).
Repeat	To display photos in the same folder repeatedly (On/Off).
Background Music Select**	To select background music for the photo display from the music stored in the USB device (FSP right column).
Sleep Timer**	To set the sleep timer to turn off the Media Player, as well as the TV (up to 180 minutes in 10- minute increments).

**Note:** The sleep timer setting in the Media Player **Quick Menu** or TV **Setup** Menu will override the previous setting of each other.

#### To set background music for photo mode:

You can select music from the music list stored in the USB device to be played back in photo mode.

- 1 From the photo Single View or Slide Show mode, press to enter the **Quick Menu**.
- 3 Press ▲ or ▼ to select your desired music and then press ♠ to play the music.
- 4 Press repeatedly to return to the previous photo mode with the selected music on.

**Note:**The music will be played back in accordance with the repeat setting set in the music **Quick Menu** (rest Page 55).

# Listening to MP3 files

Besides viewing JPEG files, you can also listen to the music files stored in the USB device.

- 1 From Media Player menu, press ▲ or ▼ to select Music and then press .
- When the list appears, press ▲ or ▼ to select a file or folder.
- 3 Press to begin playing the selected music file or to open the selected folder.

# To use the remote control button in music playback:

You can use the remote control buttons listed below to control the music playback.

Button	Description
PLAY	Begins music playback.
STOP	Stops music playback.
PAUSE	Pauses music playback.
CLOSED CAPTION SKIP	Skips to play next music file.
CHRTN SKIP	Skips to play previous music file.

**Note:** If no button on the remote control or TV control panel is pressed for 60 seconds after starting music playback, the TV will enter screen saver mode. Press any button but **POWER** to return to music list mode.

This Quick Menu item is only available for access from the thumbnail view mode.

<sup>\*\*</sup> This Quick Menu item is only available for access from Single View/Slide Show modes.

#### To use the music Quick Menu:

You can select your preferred music playback settings from the music **Quick Menu**.

1 From the music list or music playback mode, press to enter the **Quick Menu**.

**Note:** The Quick Menu items of music list and music playback modes are different.

- 2 Press ▲ or ▼ to select the item you want to adjust.
- **3** Press **⋖** or **▶** to select your preferred setting.
- 4 Press to return to the previous menu or music mode.

Item	Description
Sort*	To set the file sorting preference in music list.  • Title: to sort the files by file name.  • New: to sort the files from new to old by file date.  • Old: to sort the files from old to new by file date.
Repeat	To set preferred music repeat mode.  • 1: to repeat the current playing music file.  • All: to repeat all the music files in the folder where the current playing file is.  • Off: to disable music repeat.
Audio Settings**	To adjust the audio quality (Bass/Treble/Balance).
Sleep Timer**	To set the sleep timer to turn off the Media Player, as well as the TV (up to 180 minutes in 10- minute increments).
Speaker**	To select the audio output preference.  • TV Speakers: to output the music from the TV's built-in speakers.  • Audio Receiver: to output the music from a connected amplifier (if available).

#### Note:

 The sleep timer setting in the Media Player Quick Menu or TV Setup Menu will override the previous setting of each other.  If Enable REGZA-LINK in the REGZA-LINK Setup menu is set to Off or no amplifier is detected, the Speaker item will be grayed out.

<sup>\*</sup> This Quick Menu item is only available for access from the music list.

<sup>\*\*</sup> This Quick Menu item is only available for access from music playback mode.

# Chapter 8: Basic disc playback

# Disc playback

This section shows you the basics on how to play a disc.

# Basic playback (DVD/VCD/CD)\*

1 Press **POWER** on the TV control panel or on the remote control.

The Power LED on the front of the TV changes to green. It may take approximately 10 seconds for a picture to appear on-screen. When using an amplifier, switch on the amplifier.

2 Press <sup>™OD</sup> on the remote control to switch to DVD mode.

The DVD start-up screen will appear on-screen.



3 Hold the disc by its edges and load it in the disc slot with the label side facing forward. The prompt "Insert Disc" changes to "Reading" and then playback starts.

**Note:** DO NOT touch the surface of the disc. This may leave a smudge that can cause playback errors.

If the disc has its own menu, it will be displayed on-screen. Press ▲ ▼ ◄ or ▶ on the remote control to navigate the disc menu, then press → to implement the selected menu option.

#### To adjust playback volume:

Press (t) VOL.

To temporarily suspend disc playback (still mode):

Press PAUSE

To continue playback from still mode:

Press PLAY.

To stop playback:

Press STOP.

#### Playback resume function:

Your TV/DVD supports playback resume function. If you stopped the disc playback before it is completed, the TV/DVD records the stop point.

"

"
appears on-screen. Press PLAY to resume playback on the stop point. If you press stop twice in quick succession or unload the disc, the TV/DVD will clear the stop point.

#### Higher quality picture:

High resolution pictures on some discs may occasionally cause noise on the picture display. If this is the case, reduce the **Sharpness** setting under the **Picture Settings** menu (Real Page 38).

#### Note:

- Keep your fingers well clear of the disc slot when a disc is loading or unloading. Failure to do so may cause serious personal injury.
- Do not move the TV during playback. Doing so may damage the disc.
- When a disc is inserted when the TV is not in DVD mode, the TV will automatically switch to DVD mode.

DVD: You can use this function with DVDs.

VCD: You can use this function with Video CDs.

CD : You can use this function with Audio CDs and CD-R/RW discs.

<sup>\*</sup> This indicates the kind of disc that can employ the function described under that heading.

## Removing a disc

- 1 Press **EJECT** on the TV control panel or on the remote control.
- 2 Wait for the disc to be ejected and then remove the disc from the slot.

## Disc playback reminders

- If the TV/DVD does not operate properly, static electricity build-up may be the cause. Turn off the TV/DVD, then disconnect the power cord from the AC outlet. Reconnect the power cord, then press **POWER** of to turn on the TV/DVD again.
- If an incompatible disc is loaded, one of the following error messages appears on-screen: "Incorrect Disc", "Disc region incorrect" or "Enter Password". If this is the case, check your disc again. Go to Page 8 for a list of supported disc formats, and to Page 76 for playback-related troubleshooting instructions.
- In some instances the TV/DVD may take a minute or so to start disc playback.
- When you load a disc with the playback side facing backward, "Reading" appears on-screen but it will be replaced by "Incorrect Disc". Eject the disc and load it again making sure the playback side is now facing forward.
- The playback resume function may not work on some discs.
- Some DVDs may have fixed playback operations designed by the DVD manufacturer. Your TV/ DVD follows this fixed playback design. In such cases, some playback features may not be available. You may refer to the instructions accompanying the DVD.
- Do not put any objects other than compatible discs on the disc slot. Doing so may cause damage to the TV/DVD.
- There may be a few seconds between the action of pressing a button and the function it activates.

# Playback navigation

# Playing in fast reverse or fast forward direction (DVD/VCD/CD)

1 Press REV ◄ or FF ► during playback.REV ◄ : Fast reverse playbackFF ► : Fast forward playback

Each time you press **REV** ◀ or **FF** ▶, the playback speed changes.

### To resume normal playback:

Press PLAY.

#### Note:

- The sound is muted during reverse and forward scan.
- The playback speed may differ depending on the disc.
- You can use fast reverse/fast forward playback for MP3, and WMA CDs.

## Playing frame by frame (DVD/VCD)

1 Press PAUSE during playback.
Each time you press PAUSE, the picture advances one frame.

### To resume normal playback:

Press PLAY.

#### Note:

The sound is muted during frame by frame playback.

# Playing in slow motion (DVD/VCD)

Press SLOW ◀ or SLOW ► during playback.

SLOW ◀: Slow reverse playback
SLOW ►: Slow forward playback
Each time you press SLOW ◀ or SLOW ►,
the slow motion speed changes.

### To resume normal playback:

Press PLAY.

#### Note:

• The sound is muted during slow motion playback.

# Locating a chapter or track (DVD/VCD/CD)

Press SKIP I

or SKIP ► repeatedly to display the chapter or track number you want to play.

**SKIP** ►►I: To locate succeeding chapters or tracks. Playback starts from the beginning of the selected chapter or track.

**SKIP** I◄◄: Playback starts from the beginning of the current chapter or track. When you press **SKIP** I◄◄ twice in quick succession, playback starts from the beginning of the preceding chapter or track.

# Chapter 9: Advanced disc playback

# Zoom function/Scene navigation

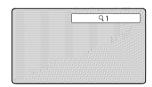
You can change the viewing scale of a picture by using the Zoom function. Once the image has been rescaled, use the arrow buttons  $\blacktriangle \bigvee \blacktriangleleft \blacktriangleright$  to pan the image.

Scene navigation options differ depending on the kind of disc. DVDs use the title, chapter or record time to locate the start point for playback. Audio CDs and Video CDs use the record time or track number. To view the discs title/track or chapter/track list, press observer.

## Using Zoom (DVD/VCD)

1 Press wduring playback.

The view will zoom into the center of the image. Each press of will increase the scale value: Q 1 (× 1.3), Q 2 (× 1.5) and Q 3 (×



- 2 Press ▲ ▼ ◀ ▶ to pan the scene and view different sections of the picture.
- To return to normal view, in Zoom mode, press repeatedly until Q **Off** appears.

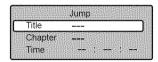
#### Note:

2.0).

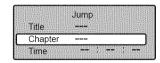
- You can use the Pause, Slow and Search playback functions in Zoom mode.
- Zoom function may not apply to some discs.

# Locating a specific scene (DVD/VCD/CD)

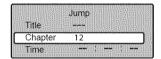
1 Press during playback, still or stop mode.



**2** Press ▲ or ▼ to select a navigation option.



**3** Use the Channel Number buttons (0-9) to key in a value for the navigation option you selected.



4 Press PLAY to start playback.

#### Note:

- When you use title navigation, playback starts from the first chapter of the selected title.
- For audio CDs and Video CDs, you can locate a scene by track number or record time.
- For PBC-enabled VCDs, turn off the PBC function first before using the Jump function (SP Page 64).
- Scene navigation may not apply to some discs.

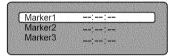
# Scene bookmark

Scene bookmarks refer to specific points in the playback range that have been marked for later access. You can create up to three markers per disc.

**Note:** The saved scene bookmarks are only accessible during the current session. Once you eject the disc or turn off the TV/DVD, all bookmarks will be cleared.

# Bookmarking a scene (DVD/VCD/CD)

1 During playback, press MARKER at the scene where you would like to place the bookmark.



2 Press ▲ or ▼ to select a blank marker, then press ← to bookmark the selected scene.



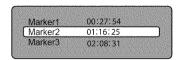
- **3** Press MARKER to close the Bookmark window.
- **4** To save two more bookmarks, repeat steps 1-3.

#### Note:

- In some cases, subtitles for the marked scene may not display.
- Bookmarking a scene may not apply to some discs.

# Viewing a scene bookmark (DVD/VCD/CD)

- 1 Press MARKER during playback mode.
- **2** Press ▲ or ▼ to select the saved marker.



**3** Press to start playback on the scene saved in the selected bookmark.

#### To delete a scene bookmark:

Perform steps 1 and 2 above, then press OMNCE.

# Repeat playback/A-B repeat

You can choose to repeat DVD playback by title or chapter. For audio CDs and Video CDs, you can repeat a single track or the entire disc.

The A-B repeat function lets you repeat a specific section between two set points. This section will be played repeatedly until you turn off the A-B repeat mode.

# Enabling repeat playback (DVD/VCD)

- 1 Press PLAY MODE during playback or stop mode.
- **2** [DVD]

Press repeatedly to select a repeat mode. It can either be by **Chapter** or by **Title**.

The TV/DVD automatically starts repeat playback after finishing the current title or chapter.



[VCD]

Press ▼ to select **Repeat**, then press repeatedly to select a repeat mode. It can either be **Single** or **All**.

The TV/DVD automatically starts repeat playback after finishing the current track.



Note: If you set the repeat mode during stop mode, press to start Repeat playback.

3 Press PLAY MODE again to close the Play Mode window.

### To resume normal playback:

Select **Off** in step 2 above.

#### Note:

- The Repeat mode is canceled when SKIP
   i◄ or SKIP ►► is pressed.
- The Repeat playback function may not apply to some discs.

# Enabling A-B repeat mode (DVD/VCD/CD)

During playback, press negative at the point where you would like the playback loop to begin. This sets your "A" point.



2 When the playback reaches the point where you would like the playback loop to stop, press again. This sets your "B" point.



The section between points A and B will be played repeatedly in a loop until you turn off the Repeat A-B mode.

#### To resume normal playback:

Press REPEAT A-B until Off appears on-screen.

#### Note:

- In some cases, subtitles for the repeated scene may not display.
- The A-B repeat mode may not apply to some DVD scenes.
- The A-B repeat mode is not applicable to interactive DVDs and JPEG CDs.

# Programmed playback/Random playback

You can program the playback sequence of tracks on a Video CD. Or you can set the TV/DVD to play tracks at random.

For procedures applicable to audio/MP3/WMA/ JPEG, go to Page 65.

#### Note:

- The programmed and random playback modes are not applicable to PBC-enabled Video CDs.
- The programmed and random playback modes are only applicable during the current session. Once you eject the disc or turn off the TV/DVD, these modes will be disabled.

# Programming the playback sequence (VCD)

- 1 Press PLAYMODE in stop mode.
- 2 Press ▲ or ▼ to select Mode, then press emerge repeatedly to select Program.



Press 

or 

to go to the right column. Press

or 

to select the playback position, then use the Channel Number buttons (0-9) to input the track for that position.

To program other tracks, repeat this step. If you input a wrong number, press and the step.





Track playback will follow the sequence you set in step 3.

### To resume normal playback:

In step 2, set Mode to Normal.

#### To change the program:

- 1. Set Mode to Program.
- Press ▲ or ▼ to select the playback position you want to change the track input for, then press .
- 3. Use the Channel Number buttons (0-9) to input the new track for the selected position.

### To remove a track from the programmed list:

- 1. Set Mode to Program.
- Press ▲ or ▼ to select the playback position, then press EMPT.

#### To clear all the programs:

On the left column, press  $\triangle$  or  $\blacktriangledown$  to select **Clear Program**, then press  $\bigcirc$  or

# Enabling random playback (VCD)

- 1 Press PLAY MODE in stop mode.
- 2 Press ▲ or ▼ to select Mode, then press repeatedly to select Shuffle.



**3** Press to start random playback.

**Note:** If you set random playback during playback mode, random playback will begin after the current track finished playing.

### To resume normal playback:

In step 2, set Mode to Normal.

# Scene angle/Title selection/DVD menu

# Changing the scene angle (DVD)

When playing back a DVD recorded with multiangle scenes, you can select the scene angle that you prefer.

- 1 Press ANGLE during playback.
- Press ANGLE repeatedly until the preferred scene angle is displayed.

**Note:** Depending on the DVD, you may not be able to change the scene angle even if multiangle data are recorded on the disc.

## Selecting a DVD title (DVD)

Some DVDs contain two or more titles. If this is the case, you can select a particular title for playback.

- 1 Press during playback to display the title menu.
- 2 Press A V 

  to select the preferred title.
- 3 Press PLAY or was to start playback.

#### Note:

- Title selection may not apply to some DVDs.
- The title menu may simply be referred to a "menu" or "title" in the instructions supplied with the DVD.

# DVD menu (DVD)

Some DVDs have an encoded menu that allows users to select a specific disc content, enable a particular DVD feature (e.g. subtitle or soundtrack language), or choose a particular title (for multititle DVDs).

- 1 Press during playback.
- Press ▲ ▼ ◆ b to select a DVD menu item, then press or PLAY to access it. Use the same keys to enable an option for the selected item.
  - Repeat this step to configure other menu options.
- 3 Press DVO MENU again to resume playback on the scene that was playing when you pressed

**Note:** Depending on the DVD, you may not be able to resume playback from the same scene that was playing when you pressed DUD BEND!

# Soundtrack language/Audio channel/Subtitle

# Selecting a soundtrack language (DVD)

You can select the soundtrack language when you play a multilingual DVD.

During playback, press opening repeatedly until the preferred language track is selected.

## Selecting the audio channel (VCD)

During playback, press Number repeatedly until the preferred audio channel is heard. Options include **Stereo**, **Left**, **Right**, and **Mix**.

#### Note:

- If the preferred language option is not heard after selecting it for several times, that language is not recorded on the disc.
- The soundtrack language selected is only applicable for the current session. When you stop playback and try to play the disc again, the default language track will be used.
- If you select the DTS option in DVDs with DTS feature, no sound will be heard from the TV/DVD's speakers. You need to connect an amplifier equipped with a DTS decoder to the Optical digital audio out jack.

# Viewing subtitles (DVD)

When playing back a disc recorded with subtitles, you can select the subtitle language or turn the subtitle off.

#### To view subtitles:

Press or repeatedly during playback until the preferred language is selected.

The Subtitle prompt will disappear after a few seconds.

#### To disable subtitles:

Press until Off appears.

#### Note:

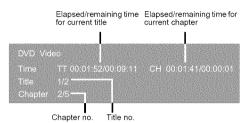
- Not all DVDs have encoded subtitles.
- The subtitle selection may revert to the default language when you stop playback and try to play the DVD again.
- In some cases, the selected subtitle may not display immediately.

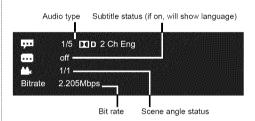
# Playback information/VCD playback control

# Viewing the playback info (DVD/VCD)

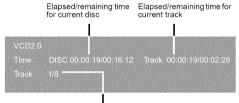
Press during playback.

#### DVD mode





#### VCD mode



Track no. (if PBC is enabled, "PBC On" will be displayed)

#### To close the information display:

Press DISPLAY

**Note:** Depending on the disc, this operation may not be available.

# Turning off the PBC function (VCD)

- 1 Press PLAYMODE in stop mode.
- 2 Press ▲ or ▼ to select Mode, then press emerge repeatedly until Normal appears.



3 Press PLAY to close the screen.

# To turn on the PBC function:

Follow steps 1 and 2 above, then press repeatedly until **PBC** appears.

When enabled, PBC allows interactive Video CD playback using the remote control.

# MP3, WMA, JPEG, and Audio CD operation

This TV/DVD can play MP3, WMA, and JPEG files recorded on a CD-R or CD-RW disc. To create the MP3/ WMA/ JPEG disc, you need a Windows PC with a CD-RW drive and file encoding software. You must use a Windows PC to create the MP3/WMA/JPEG disc.

This TV/DVD requires discs/recordings that meet certain technical standards in order to achieve optimal playback quality. There are many different types of recordable disc formats (including CD-R discs containing MP3 or WMA files). Not all recordable discs will produce optimal playback quality. The technical criteria set forth in this owner's manual are meant only as a guide. Use of CD-RW discs for recording MP3 files is not recommended.

You must obtain any required permission from copyright owners to download or use copyrighted content. *Toshiba* can not and does not grant such permission.

### MP3/WMA/JPEG/Audio CD information (CD)

#### MP3/WMA/JPEG CD playback reminders

- Make sure the file name of the MP3, WMA, and JPEG files in the CD includes the 3-character file extension ("mp3", "wma", "jpg", "div", and "avi") to make it compliant with the ISO 9660 standard.
- This TV/DVD can read 2000 files per disc. If a disc has more than 2000 files, it reads the first 2000 files, while the remaining files will be omitted.
- To play the files in sequence based on the recorded order:
  - Use an encoding software that records data alphabetically or numerically.
  - Include a two- or three-digit number prefix on the file name (ex. "01" "02" or "001" "002").
  - Refrain from making too many sub-folders.
- It may take more than one minute for this TV/DVD to read MP3, WMA, and JPEG files depending on the disc structure.
- Audio files recorded using the Joliet Recording Specification can be played back in this TV/DVD. The file name is displayed (up to 15 characters). Longer file names will be condensed.
- Music recorded based on the "Joliet Recording Specification" can be played back, the file name is displayed (within 15 letters) on the screen. Long file names will be condensed.
- This TV/DVD does not support data disc burned using the Apple Mac OS (Hierarchical File System, HFS format).
- MP3/WMA/JPEG CDs cannot be used for recording purpose.

#### File name display reminders

- The maximum number of characters for file name display is 15.
- Only the following characters will be displayed: A through Z (both upper and lower case), 0 through 9, and the
  underscore symbol ( ).
- Non-supported characters will be replaced with a hyphen (-).

#### MP3/WMA/JPEG CD limitations

- Depending on the recording conditions, some MP3/WMA/JPEG CDs cannot be played back in your TV/DVD.
- Only MP3, WMA, and JPEG files recorded in the CD-R/RW disc will be played. Other files will not be read nor displayed.

#### MP3/WMA file encoding information

- MP3
  - File format: MPEG-1 Audio
  - Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz
  - Bit rate: 32 to 320 kbps (constant bit rate or variable bit rate)

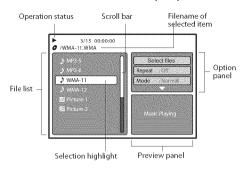
The recommended recording setting for high-quality sound is 44.1 kHz sampling frequency and 128 kbps constant bit rate.

- WMA
- File format: WMA version 7 or 8
- Sampling frequency: 32 kHz / 48 kbps, 44.1 kHz / 48 to 92 kbps, 48 kHz / 128 to 192 kbps
- A file recorded in mono (48 kHz / 48 kbps) is not supported by this TV/DVD.

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MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

## About the file browser (CD)



#### File icons

- Music file (MP3/WMA/Audio CD track)
- Picture file (JPEG)

If a CD contains a mixture of MP3, WMA and JPEG files, and PLAY is pressed without selecting a file, playback automatically begins starting from the first file in the list.

#### Setting the file type listing

You can choose the type of files listed in the file browser.

- 1 Press to move the selection highlight to the Option panel.
- 2 Press ▲ or ▼ to highlight Select files, then press .
- 3 Press ▲ or ▼ to select a file type from the list Audio or Photo.
- 4 Press to add or remove the check mark next to each file type. Checked file type will be displayed in the file browser.
- **5** Press **◄** twice to move the selection highlight back to the file list.

### Viewing image files in thumbnail mode

You can change the browsers view mode from list mode to thumbnail mode. This is convenient when browsing for JPEG files.

- 1 Press OVO MENU.
- **2** Press ▲ ▼ ◆ b to select an image file.

To return the browser to list mode: Press TOP MENN ...

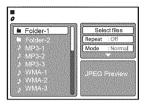
To view the previous or next thumbnail page:

Press SKIP | ◄◄ or SKIP ▶► |.

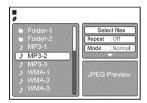
# Playing an audio file (CD)

 Load an MP3/WMA/Audio CD in the disc slot.

The file browser appears on-screen. It may automatically play by composition of an audio file.



2 Press ▲ or ▼ to select another audio file for playback.



3 Press PLAY or for to start playback.

### To stop playback:

Press STOP.

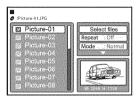
The TV/DVD records the stop point. "P" appears on-screen. Press play to resume playback. If you press stop twice in quick succession or unload the disc, the TV/DVD will clear the stop point.

#### Note:

- If the current directory has more than eight files, press ▲ or ▼ to scroll the file list.
- To return to the root directory, press or select "Go Up..." then press ......
- In thumbnail mode, press "SE" repeatedly to change the thumbnail size.
- The Repeat and Random/Programmed playback modes can be enabled during MP3 or WMA playback. Refer to Page 68.

## Viewing a JPEG file (CD)

- Load a disc containing JPEG files in the disc slot.
  - The file browser appears on-screen.
- 2 Press ▲ or ▼ to select an image file for view. A preview of the selected file is displayed in the Preview panel.



3 Press mor PLAY. The selected image is displayed in full-screen mode.



Press **SKIP** I ← or **SKIP** ► I to view the previous or next image file in the current directory.

#### To rotate an image:

Press \*\*©E repeatedly until the preferred angle is obtained. The image angle is adjusted in 90° increments.

The current angle setting is shown on-screen: **90°**, **180°**. **270°**. or **No rotation**.

#### To magnify an image:

Press repeatedly until the image is displayed in the preferred scale.

The current zoom setting is indicated by the following icons:  $Q 1 \times 1.3$ ,  $Q 2 \times 1.5$  and  $Q 3 \times 2.0$ .

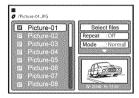
#### To return to normal view:

Press repeatedly until Q Off appears.

## Viewing a slide show (CD)

If there are multiple JPEG files in the selected directory, you can view them in a slide show. For instructions on how to enable the slide show feature and set the interval period between pictures, go to Page 72.

- 1 Open the file folder containing the JPEG files you want to include in the slide show.
- Press ▲ or ▼ to select the file you want to be the starting image for the slide show. A preview of the selected file is displayed in the Preview panel.



3 Press or PLAY.

The selected image is displayed in full-screen mode.

When the slide show is completed, the file browser appears.

# To view the previous or next image in the slide show:

Press **SKIP** | ◀ or **SKIP** ▶▶|.

#### To temporarily stop the slide show:

Press PAUSE. "II" appears briefly on-screen. Press PLAY or SKIP >> I to resume the slide show.

#### To stop the slide show:

Press . The file browser appears.

#### Note:

- The Rotate and Zoom modes are available in regular JPEG viewing and slide show modes.
- The Jump and A-B repeat modes are not available when viewing JPEG images.
- During a slide show, the interval time between images may increase if the file size is too bia.
- When an image exceeds 5760 x 3840 pixels, the image display can appear cropped. This applies when viewing the image in the Preview panel of the file browser; or when in the thumbnail, fullscreen, or slide show modes.

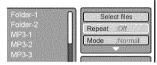
# MP3, WMA, JPEG and Audio CD playback modes

You can choose to repeat CD playback by track or the entire disc. You can also program the file playback sequence or set the TV/DVD to play files at random.

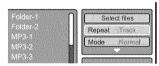
Note: These playback modes are only applicable during the current session. Once you eject the disc or turn off the TV/DVD, these modes will be disabled. Pressing SKIP I◄ or SKIP ▶▶ during playback will also cancel these modes

# Enabling repeat playback (CD)

During stop mode, in the Option panel of the file browser, press ▲ or ▼ to select Repeat.



2 Press repeatedly to select a repeat mode, Track or All.



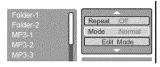
3 Press PLAY. The TV/DVD automatically starts repeat playback after finishing the current track.

#### To resume normal playback:

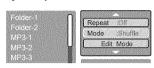
Select Off in step 2 above.

# Enabling random playback (CD)

1 During stop mode, in the Option panel of the file browser, press ▲ or ▼ to select **Mode**.



2 Press repeatedly to set mode to **Shuffle**.



**3** Press PLY. The TV/DVD automatically applies the shuffle mode.

### To resume normal playback:

Select **Normal** in step 2 above.

**Note:** When the **Music Intro** mode is enabled, the first 10 seconds of an audio track is played. This is useful if you are simply looking for a particular track in a list.

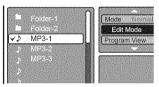
# Chapter 9: Advanced disc playback

# Programming the playback sequence (CD)



2 Press 

 to return to the file list and press 
 or
 v to select a file, then press 
 or
 inclusion in the programmed playlist. A check mark will appear next to the file.

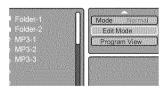


Repeat this step to mark any other files you want to add in the programmed playlist.

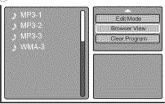
3 In the Option panel, press ▲ or ▼ to select Add To Program, then press ← to add the marked files in the programmed playlist.



4 Press ▲ or ▼ to select Edit Mode, then press ← to disable it.

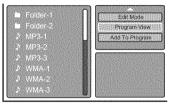


**5** Press ▲ or ▼ to select **Program View**, then press ♠ or ▼.



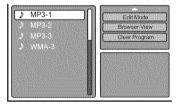
**Program View** 

In Program view, only the files you added in step 3 are displayed.



**Browser View** 

6 In the programmed file list, press ▲ or ▼ to select a file, then press PLAY to start playback.



#### To remove a file from the programmed list:

- 1. Press twice to stop playback.
- In Program view, press ▲ ▼ ◆ ► to select
   Edit Mode on the Option panel, then press
   to enable it.
- 4. Press ▲ ▼ ◀ ▶ to select the file you want to remove, then press (mm).
- 5. Repeat step 4 to mark any other files you want to remove from the list.
- 6. Press ▶ to go to the Option panel.
- Press ▲ or ▼ to select Clear Program, then press (ma).

# Chapter 10: Customizing disc playback

# Customizing disc playback

You can customize the disc playback settings to suit your preferences.

# Configuring the disc playback settings (DVD/VCD/CD)

1 In DVD mode, press during stop mode.



2 Press ▲ or ▼ to select a setup tab, then press
▶. The first setup option is highlighted.



- 3 Press ▲ or ▼ to select the setup option you want to customize.
- 4 Press or to display a list of available option settings.
- Fress ▲ or ▼ to select an option setting, then press to apply and save it. Go to Page 71-74 for list of description for each option setting.
- 6 To configure another option on the same setup tab, repeat steps 3–5.

  To configure an option on another tab, press

  , then use ▲ or ▼ to select a setup tab.

  Repeat steps 3–5 to configure the preferred option.
- 7 To close the Setup screen, press setup or return.

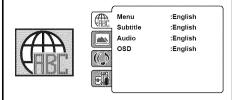
# Chapter 10: Customizing disc playback

# Disc playback setup

Tab	Option	Description	Go to page
	Menu	Select the language for the DVD menu display.	
	Subtitle	Select the subtitle language for disc playback.	72
	Audio	Select the audio language for disc playback.	12
	OSD	Select the language for the Setup screen display.	1
	Display	Choose whether to show a status display whenever a button is pressed.	
	Picture Mode	Select the DVD source content.	72
	JPEG Interval	Select the interval time between images in a slide show.	
	Night Mode	Toggle the night mode on or off.	
	Digital Out	Select the format for the digital audio output corresponding to your audio connection.	73
	Parental	Set the restriction level for allowable disc content.	73
	Password	Change the access password for the parental control setting.	74

**Note:** These setup settings are retained in the TV/DVD's memory. It remains active even if the power is turned off.

# Chapter 10: Customizing disc playback



#### ■ Menu / ■ OSD

Select the language for the DVD and Setup menu display. Options include: English. French, and Spanish.

#### Subtitle / M Audio

Select the language for the subtitle display and audio track output during disc playback.

English

The selected language will be heard or seen.

French

Spanish

Auto (Subtitle) The TV/DVD will display the subtitle in the disc's default

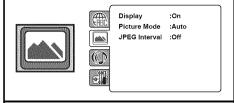
language.

Off (Subtitle)

There will be no subtitle

display.

**Note:** If the selected language is not available, the default disc language will be used.



#### Display

Choose whether to show a status display whenever a button is pressed.

Off There will be no on-screen display.

On There will be on-screen display when any button is pressed.

#### ■ Picture Mode

The source content of a DVD can either be recorded in: film format (images are recorded at 24 frames per second) or video format (images are recorded at 30 frames per second).

Auto The TV/DVD automatically detects

the type of source content and converts that signal in an appropriate method based on the current aspect ratio of the TV/DVD. This option will normally suit most DVDs.

Film Suitable for playback of DVDs

recorded in a film format.

Video Suitable for playback of DVDs recorded in a video format.

Note: If picture appears cut off or doubled, select the "Video" setting.

#### JPEG Interval

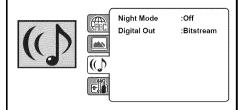
Select the interval time between images during a JPEG slide show.

Off Slide show option is disabled.

5. 10. or 15 Images will be displayed in a seconds slide show using the selected

interval time

## Chapter 10: Customizing disc playback



#### Night Mode

Select to toggle the Night Mode feature on or off. When enabled, this function allows for automatic volume level adjustment for audio that may be too low (e.g. whispered dialogues) or too high (e.g. a thunderstorm scene).

Off Audio retains its disc recording volume level.

On Volume level is automatically adjusted depending on the scene content.

**Note:** The Night Mode feature is only applicable to Dolby Digital-featured DVDs. The adjusted sound level depends on the DVD encoding.

#### ■ Digital Out

Select the sound format of the digital output depending on the enabled signal connection.

Off Disables digital sound output.

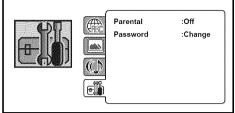
Select this option when there's no equipment connected to the optical DIGITAL AUDIO OUT jack.

PCM Changes Dolby Digital output

to PCM. Select this option when using a two-channel digital stereo amplifier.

**Bitstream** Select this option to output the signal in its native format.

**Note:** MPEG audio will always be in PCM format regardless of the Digital Output setting.



#### ■ Parental

A DVD is usually encoded with a rating level to indicate the recommended audience age. You have the option to select the content rating level allowed for playback in your TV/DVD.

You will be prompted to key in the system password to access this settings option.

Press ▲ or ▼ to select the allowable rating level, then press .

Off No playback restriction. All discs can be played regardless of content rating.

Level 1–5 Discs of varied non-adult ratings will be played back. The higher the number, the more severe the content is.

**Level 6–8** Discs of varied adult only ratings will be played back.

#### Note:

• The Parental rating levels correspond to the US movie ratings.

 Level 1 - Kids Safe
 Level 5 - PG-R

 Level 2 - G
 Level 6 - R

 Level 3 - PG
 Level 7 - NC-17

 Level 4 - PG-13
 Level 8 - Adult

 Some discs may not have their rating level encoded on the disc though it's indicated on the disc jacket. Playback restriction will not apply to these discs so make sure to restrict access to it manually.

# To temporarily cancel the parental restriction:

- 1) Load the restricted content DVD that you want to play.
- 2) Use the **Channel Number buttons (0–9)** to input the system password after the "Enter Password" message, then press

This suspension of the parental restriction setting applies until disc is ejected.

#### ■ Password

Select this option to change the access password for the parental control setting.

- Press ▲ or ▼ to select Password, then press ♠.

If the password has not been set yet key in "0000". This is the factory default password.

- - You will be prompted to confirm the new password.
- 5) Press one last time to confirm the changed password. Note this new password for future reference.

#### If you forget the system password:

- 1) Make sure there is no disc in the disc
- Press and hold down "4" on the remote control, then press VOLUMEon the TV control panel.

The "Initializing" message appears on-screen to indicate that the password has been reset to its default factory setting "0000". All DVD Setuprelated settings will also be reset to their default factory values.

# Chapter 11: Troubleshooting

## General troubleshooting

Before calling a service technician, please check this chapter for a possible cause of the problem and some solutions you can try.

#### Black box on-screen

• The closed caption feature is set to one of the Text modes (T1, T2, T3, or T4). Set the closed caption feature to Off ( ) Page 39).

#### TV stops responding to controls

- If the TV stops responding to the controls on the remote control or TV control panel and you cannot turn off the TV, press and hold POWER on the TV control panel for 5 or more seconds to reset the TV.
- If you cause a static discharge when touching the TV and the TV fails to function, simply unplug the TV from the AC outlet and plug it back in. The TV should return to normal operation.

#### Other problems

 If your TV's problem is not addressed in this Troubleshooting section or the recommended solution has not worked, use the Reset Factory Defaults procedure (INF Page 32).

#### TV will not turn on

- Make sure the power cord is plugged in, and then press POWER.
- The remote control batteries may be dead.
   Replace the batteries or try the control panel buttons.

#### Picture problems

#### General picture problems

- Check the antenna/cable connections (FST Chapter 2).
- Press on the remote control or the TV and select a valid video input source (R Page 33). If no device is connected to a particular input on the TV, no picture will display when you select that particular input source. For device connection details, see Chapter 2.
- Antenna reception may be poor. Use a highly directional outdoor antenna (if applicable).
- The station may have broadcast difficulties. Try another channel.
- Adjust the picture qualities ( Page 38).

#### Video Input Selection problems

If the Input Selection window does not appear when you press on the remote control or the TV control panel, press a second time, which will change to the next video input source and display the Input Selection window.

#### Cannot view external signals or channel 3 or 4

 If you cannot view signals from external devices connected to Video, ColorStream HD, HDMI 1, HDMI 2, PC or from channels 3 or 4, make sure the Input Lock is set to Off (ISS Page 45).

#### Noisy picture

 If you are watching an analog channel (off-air broadcast or Cable TV), you can set the CableClear<sup>®</sup> feature to reduce visible interference in the TV picture (FG\* Page 51).

#### Poor color or no color

- The station may have broadcast difficulties.
   Try another channel.
- Adjust the Tint and/or Color (
   Page 38).

#### Poor composite picture

 If the TV is connected to an external A/V device (e.g., DVD player, video game system, set-top box, etc.) try using a ColorStream or HDMI video connection instead.

#### Picture and sound are out of sync

- As with all products that contain a digital display, in rare instances, when viewing certain content (e.g. television broadcasts, video games, DVDs), you may notice that the sound and picture are slightly out of sync. This phenomenon can be caused by various factors including, without limitation, video processing within the TV, video processing in an attached gaming system, and video processing or different compression rates used by broadcasters in their programming. You may want to try one or more of the following suggestions, which may help to reduce the effect of this phenomenon:
  - If the TV is connected to an A/V receiver that has a programmable audio delay feature, use this feature to help synchronize the sound to the picture.
- If you notice this phenomenon only on certain TV channels, please contact your local broadcast, cable, or satellite provider to inform them of this issue.

#### Sound problems

- Check the antenna/cable connections (EST Chapter 2).
- The station may have broadcast difficulties.
   Try another channel.
- The sound may be muted. Press VOLUME.
- If you hear no sound, try setting the MTS feature to Stereo mode (LSF Page 41).
- If you are not receiving a second audio program from a known SAP source, make sure the MTS feature is set to SAP mode (ISP Page 41).
- If you hear audio that seems incorrect for the program you are watching (such as music or a foreign language), the SAP mode may be on.
   Set the MTS feature to Stereo mode (ESP Page 41).
- If you connect a PC using either the PC IN terminal or an HDMI terminal, make sure that the PC Audio setting is properly set (ISP Page 46).

#### Remote control problems

- Remove all obstructions between the remote control and the TV.
- The remote control batteries may be dead. Replace the batteries (FS Page 24).

## Chapter 11: Troubleshooting

 If the TV still does not act as expected, use the Reset Factory Defaults procedure (FSF Page 32).

#### Channel tuning problems

- The channel may be blocked by the **Channel Options** feature. Unblock the channel (© Page 30).
- If you are unable to tune digital channels, check the antenna configuration (ISP Page 28). If you are still unable to tune digital channels, use the Reset Factory Defaults procedure (ISP Page 32). Also see "TV stops responding to controls" and "Other problems" (ISP Page 75).

#### Closed caption problems

- If the program or video you selected is not closed captioned, no captions will display (
   Page 39).
- If text is not available, a black rectangle may appear. If this happens, turn off the closed caption feature (ISP Page 39).
- A closed-caption signal may not display correctly in the following situations: a) when a videotape has been dubbed; b) when the signal reception is weak; or c) when the signal reception is non-standard ( To Page 39).

#### Rating blocking (V-Chip) problems

- If you forget your PIN code: While the PIN code entering screen is displayed, press outlines within 5 seconds. The PIN code you previously stored will be cleared (IST Page 42).
- The V-Chip feature is available for the U.S. V-Chip system only ( Page 43).

#### No REGZA-LINK® operation

- The REGZA-LINK<sup>®</sup> feature is available for Toshiba REGZA-LINK<sup>®</sup> compatible devices.
- When the connected REGZA-LINK® device does not work correctly after you have changed settings of the device, turn off your TV and unplug the power cord, and then plug and turn on again.
- If several devices are connected, REGZA-LINK® feature may not operate properly.
- Read the instruction manual furnished with the connected REGZA-LINK® device.

#### HDMI problems

For HDMI cables

• Make sure to use cables with the HDMI Logo ( Harman ) ( Page 17).

#### For Legacy HDMI source

 Some legacy HDMI sources may not work properly with the latest HDMI TV products, due to new standard adoption.

#### Media Player problems

- Make sure that devices are connected correctly.
- If you connect a USB device with separate cable or through USB hub, the TV does not recognize the USB device.

#### Disc playback problems

#### Playback does not start

- No disc is loaded.
- . The disc may be dirty. Clean the disc.
- The disc format is not supported (

  Page 8).

  No picture
  - The TV is not in DVD mode.

#### No sound

- The TV is in the special playback mode (
  Page 57).
- If an external speaker is connected, check its volume control.

# Picture distortion during fast reverse/forward playback

The picture will be distorted occasionally. This is normal.

#### Playback features failure

 The playback features such as stopping, searching, slow motion play, repeat play or programmed play, etc are not applicable to all discs.

# Playback does not start when the title is selected

• The disc may not be compliant with the "Parental" setting ( Fage 73).

# The audio soundtrack and/or subtitle language cannot be changed

• The disc has no multilanguage option encoded on it ( Page 63).

#### No subtitle

- . The disc has no subtitle encoded on it.
- Subtitles are disabled. Press Subtitle (II → Page 63).

#### Scene angle cannot be changed

• The disc has no multiangle scenes ( Page 62).

#### "X" appears on the screen

• The function is not applicable to the disc or to the current mode (Fig. Page 7).

# Chapter 11: Troubleshooting

## **LED** Indication

The Power LED light on the TV front indicates the TV's status, as described below.

# LED Indication Power LED

- · Green is ON (solid)
  - The TV is operating properly.
- Red is ON (solid)

The TV is in Standby mode.

If, after trying the solutions, the problem still exists:

In the U.S., call TACP Consumer Solutions at 1-800-631-3811.

## **Specifications**

#### Note:

- These models comply with the specifications listed below.
- Designs and specifications are subject to change without notice.
- These models may not be compatible with features and/or specifications that may be added in the future.

#### **Television System**

NTSC standard

ATSC standard (8VSB)

Digital Cable (64 QAM, 256 QAM; in-the-clear, unencrypted)

#### **Channel Coverage**

VHF: 2 through 13 UHF: 14 through 69 Cable TV: 1-135 (4A, A5~A-1)

> A~I, J~W W+1~W+94

Power Source: 120 V AC, 60 Hz

#### Power Maximum Current

15CV100U/101U: 0.6 A 19CV100U: 0.7 A 22CV100U: 1.0 A 26CV100U: 1.3 A 32CV100U: 1.8 A

#### Power Consumption (in standby mode)

15CV100U/101Ü: 0.8 W 19CV100U: 0.8 W 22CV100U: 0.8 W 26CV100U: 0.8 W 32CV100U: 0.8 W

#### Audio Power

15CV100U/101U: 3W + 3W 19CV100U: 3W + 3W 22CV100U: 3W + 3W 26CV100U: 5W + 5W 32CV100U: 10W + 10W

#### Speaker Type:

15CV100U/101U: 70 x 30 x 26 mm 19CV100U: 70 x 30 x 26 mm 22CV100U: 70 x 30 x 26 mm 26CV100U: 167 x 45 x 37 mm 32CV100U: 167 x 45 x 37 mm

#### Video/Audio Terminals

#### VIDEO/AUDIO INPUT:

VIDEO: 1 V(p-p), 75 ohm, negative syne. AUDIO: 500 mV(rms) (30% modulation equivalent, 47 k ohm or greater) ColorStream<sup>®</sup> (component video) HD INPUT: VIDEO:Y: 1 V(p-p), 75 ohm, negative sync.

PR: 0.7 V(p-p), 75 ohm

PB: 0.7 V(p-p), 75 ohm PB: 0.7 V(p-p), 75 ohm

Suggested formats: 1080i, 720p,

480p, 480i

AUDIO: 500 mV(rms), 47 k ohm or greater

#### HDMI™ INPUT:

HDMI compliant HDCP compliant

Audio Lip Sync supported

HDMI Audio: 2-channel Linear-PCM; 32/44.1/ 48 kHz sampling frequency; 16/

20/24 bits per sample

**DIGITAL AUDIO OUTPUT:** Optical type **PC INPUT:** 15-Pin D-sub Analog RGB

#### DVD/CD player

Signal system: NTSC
Supported disc size: 12 cm, 8 cm
Pickup mechanism: 1-lens, 2-beams

#### Dimensions (including foot stand)

15CV100U/101U: Width: 15.9 inches (403.1 mm)

Height: 12.6 inches (320.7 mm) Depth: 5.6 inches (140.9 mm)

19CV100U: Width: 18.9 inches (480.9 mm)

Height: 14.4 inches (365.8 mm)
Depth: 8.5 inches (215.0 mm)

10.0 inches (255.0 mm)

22CV100U: Width: 21.7 inches (552.3 mm) Height: 15.9 inches (404.5 mm)

Depth: 8.5 inches (215.0 mm)
Width: 26.2 inches (666.0 mm)

26CV100U: Width: 26.2 inches (666.0 mm) Height: 19.3 inches (490.0 mm) Depth: 10.2 inches (260.0 mm)

32CV100U: Width: 31.7 inches (804.6 mm) Height: 23.2 inches (590.0 mm)

Depth:

Mass (Weight)

15CV100U/101U: 7.5 lbs (3.4 kg) 19CV100U: 11.7 lbs (5.3 kg) 22CV100U: 13.0 lbs (5.9 kg) 26CV100U: 19.4 lbs (8.8 kg) 32CV100U: 26.0 lbs (11.8 kg)

#### **Operation Conditions**

Temperature:  $32^{\circ}F - 95^{\circ}F (0^{\circ}C - 35^{\circ}C)$ 

Humidity: 20 - 80% (no moisture condensation)

#### Supplied Accessories

- Remote control with two size AAA batteries
- AC power cord
- Owner's manual (this book)
- Cleaning cloth (to clean the cabinet and control panel)

## Acceptable signal formats for PC IN and HDMI terminals

#### PC IN signal formats

**Note:** Depending on the connected PC, the following status may occur; incorrect display, false format detection, picture position failure, blur, or judder. But this is not a malfunction of your TV.

Format	Resolution	V.Frequency	H. Frequency	Pixel Clock Frequency
VGA	640 x 480	59.940Hz	31.469kHz	25.175MHz
SVGA	800 x 600	60.317Hz	37.879kHz	40.000MHz
XGA	1024 x 768	60.004Hz	48.363kHz	65.000MHz
WXGA	1280 x 720	60.000Hz	45.000kHz	74.250MHz
	1280 x 768	59.870Hz	47.776kHz	79.500MHz
	1360 x 768	60.015Hz	47.712kHz	85.500MHz

#### **HDMI** formats

Format	Resolution	V.Frequency	H. Frequency	Pixel Clock Frequency
VGA	640 x 480	59.940Hz	31.469kHz	25.175MHz
SVGA	800 x 600	60.317Hz	37.879kHz	40.000MHz
XGA	1024 x 768	60.004Hz	48.363kHz	65.000MHz
WXGA	1280 x 720	60.000Hz	45.000kHz	74.250MHz
	1280 x 768	59.870Hz	47.776kHz	79.500MHz
	1360 x 768	60.015Hz	47.712kHz	85.500MHz
480i	720 x 480i	59.940Hz	15.734kHz	27.000MHz
480p	720 x 480p	59.940Hz	31.469kHz	27.000MHz
720p	1280 x 720p	60.000Hz	45.000kHz	74.250MHz
1080i	1920 x 1080i	60.000Hz	33.750kHz	74.250MHz
1080p	1920 x 1080p	24.000Hz	27.000kHz	74.250MHz
1080p	1920 x 1080p	30.000Hz	33.750kHz	74.250MHz
1080p	1920 x 1080p	60.000Hz	67.500kHz	148.500MHz

- Some illustrations in this owner's manual are for explanation purposes and may differ from the actual unit.
- Designs 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.

## Limited United States Warranty LCD TV/DVD Combination – Depot Repair Warranty

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 LCD TV/DVD COMBINATION AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

LCD TV/DVD COMBINATIONS 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.

LCD TV/DVD COMBINATIONS 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 LCD TV/DVD Combination 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.

#### Rental Units

The warranty for LCD TV/DVD Combination rental units begins on the date of the first rental or thirty (30) days after the date of shipment to the rental firm, whichever comes first.

#### **Commercial Units**

LCD TV/DVD Combinations sold and used for commercial purposes have a limited warranty for all parts and labor, which warranty begins on the date of original retail purchase and ends on the date that is ninety (90) days thereafter.

#### Owner's Manual and Product Registration Card

Read this owner's manual thoroughly before operating this LCD TV/DVD Combination.

Complete and mail the enclosed product registration card or register your LCD TV/DVD Combination online at <a href="https://www.tacp.toshiba.com/service">www.tacp.toshiba.com/service</a> as soon as possible. By registering your LCD TV/DVD Combination 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 U.S. Consumer Product Safety Act. Failure to complete and return the product registration card does not diminish your warranty rights.

#### Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

- You must retain your bill of sale or provide other proof of purchase.
- (2) All warranty servicing of this LCD TV/DVD Combination must be made by the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center.
- (3) The warranties from TACP are effective only if the LCD TV/DVD Combination is purchased and operated in the Continental U.S.A. or Puerto Rico.
- (4) Labor service charges for set installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by this warranty. 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 LCD TV/DVD Combination or parts that have been lost or discarded by you or to damage to the LCD TV/DVD Combination 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 LCD TV/DVD Combination 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 section "Troubleshooting," you find that service is needed:

- For instructions on how to obtain warranty service for your LCD TV/DVD Combination, contact TACP's Consumer Solution Center toll free at 1-800-631-3811.
- (2) You must include a copy or original bill of sale or other proof of purchase along with the entire LCD TV/DVD Combination to the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center. You are responsible for all inbound transportation and insurance charges for the LCD TV/DVD Combination to the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center.

For additional information, visit TACP's website: www.tacp.toshiba.com

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December 3, 2009

#### The zlib License

# zlib.h -- interface of the "zlib" general purpose compression library

Version 1.2.3, July 18th, 2005

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Jean-loup Gailly jloup@gzip.org

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