# TOSHIBA

ENERGY STAR
PARTNER

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DVD Playback

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# Owner's Manual

## LCD TV/DVD

COLORSTREAM®HD   SRS(●) WOW   DOLBY DIGITAL   HDMI

THEATERWIDE HD   HDTV MONITOR   DVD VIDEO   COMPACT disc DIGITAL VIDEO   LC)VD™

### 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: _____

# 17HLV85
# 20HLV85

Always read and understand the **PRODUCT WARNINGS and USER DIRECTIONS** that are contained in this manual before attempting to use your television, to help ensure its safe use.
Always store this manual near your television for convenient future reference.

**Dear Customer,**

Thank you very much for purchasing this Toshiba television. You must carefully read and understand all of the safety instructions contained in this manual before you attempt to use this product in order to avoid potential hazards that could cause bodily injury or property damage or could damage your Television.

We hope that you are completely satisfied with your Toshiba television and that it will give you long and enjoyable service. We look forward to providing you with additional Toshiba products to serve all of your entertainment needs in the future.

## Safety Precautions

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

**CAUTION**
**RISK OF ELECTRIC SHOCK!**
**DO NOT OPEN.**

**CAUTION: 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.

**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.**

**WARNING:** Handling the cord on this product or cords associated with accessories sold with this product will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. *Wash hands after handling.*

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

ENERGY STAR

**WARNING:** Always use the Toshiba wall bracket specified below or another wall bracket approved by Toshiba for wall mounting this television. The use of any wall bracket other than the Toshiba wall bracket specified below or another wall bracket approved by Toshiba for wall mounting this television could result in serious bodily injury and/or property damage.
**In the U.S.:**
Use Toshiba wall bracket model number **FWB2027**. For more information, call TACP's Consumer Solutions Center at 1-800-631-3811 or visit TACP's website at **www.tacp.toshiba.com**.
**In Canada:**
Call TCL's Customer Service Department at 1-800-268-3404.

## NOTE TO CATV INSTALLERS

This is a reminder to call the CATV system installer's attention to Article 820-40 of the NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to grounding system of the building, as close to the point of cable entry as practical. For additional antenna grounding information, see item 17 on page 4.
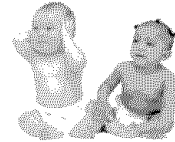
## Child Safety
### It Makes A Difference
### Where Your TV Stands
**Congratulations on your purchase!**
**As you enjoy your new TV, keep these safety tips in mind:**

### The Issue

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

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

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

### Toshiba Cares!

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

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

### Tune Into Safety

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

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

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

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

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

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

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

2500 Wilson Blvd.
Arlington, VA 22201 U.S.A.
Tel. 703-907-7600   Fax 703-907-7690
www.CE.org
*CEA is the Sponsor, Producer and Manager of the International CES®*
Consumer Electronics Association

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## FCC compliance information

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

**Federal Communications Commission (FCC):**

This equipment complies with Part 15 of the FCC rules.

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

The Toshiba 17HLV85/20HLV85, LCD TV/DVD Combination complies 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: (800) 631-3811

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by removing and applying power to the equipment, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

**CAUTION:**
THIS DIGITAL VIDEO PLAYER EMPLOYS A LASER SYSTEM.

TO ENSURE PROPER USE OF THIS PRODUCT, PLEASE READ THIS OWNER'S MANUAL CAREFULLY AND RETAIN FOR FUTURE REFERENCE. SHOULD THE UNIT REQUIRE MAINTENANCE, CONTACT AN AUTHORIZED SERVICE LOCATION.

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 MAY BE PRESENT WHEN THE ENCLOSURE IS OPENED. DO NOT STARE INTO BEAM.

**Location of the required Marking**
The rating sheet and the safety caution are the rear of the unit.
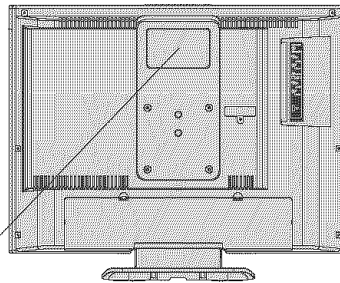
CERTIFICATION: COMPLIES WITH FDA RADIATION PERFORMANCE STANDARDS, 21 CFR SUBCHAPTER J.

## IMPORTANT SAFEGUARDS

1. **READ INSTRUCTIONS**

   All the safety and operating instructions should be read before the unit is operated.

2. **RETAIN INSTRUCTIONS**

   The safety and operating instructions should be retained for future reference.

3. **HEED WARNINGS**

   All warnings on the unit and in the operating instructions should be adhered to.

4. **FOLLOW INSTRUCTIONS**

   All operating and use instructions should be followed.

5. **CLEANING**

   Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Clean only with a dry cloth.

6. **ATTACHMENTS**

   Do not use attachments not recommended by the product manufacturer as they may cause hazards.

7. **WATER AND MOISTURE**

   Do not use this unit near water. For example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
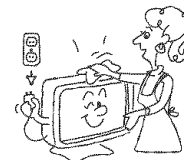
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8. **ACCESSORIES**
Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold ith the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

8A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

9. **VENTILATION**
Slots and openings in the cabinet back or bottom are provided for ventilation, and to ensure reliable operation of the unit, and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat source. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

10. **POWER SOURCE**
This unit should be operated only from the type of power source indicated on the rating plate. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.

11. **GROUNDING OR POLARIZATION**
This unit is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet.

12. **POWER-CORD PROTECTION**
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

13. **LIGHTNING**
To protect your unit from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.

14. **POWER LINES**
An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall onto or against such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.

15. **OVERLOADING**
Do not overload wall outlets and extension cords, as this can result in a risk of fire or electric shock.
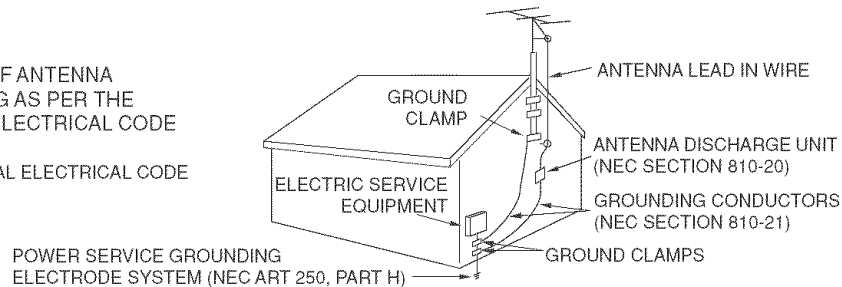
16. **OBJECT AND LIQUID ENTRY**
Do not push objects through any openings in this unit, as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.

17. **OUTDOOR ANTENNA GROUNDING**
If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges, Section 810 of the National Electrical Code (NEC), ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

PORTABLE CART WARNING
(symbol provided by RETAC)
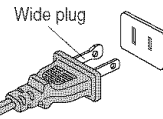
**DANGER:**
RISK OF DEATH, SERIOUS
PERSONAL INJURY, OR
EQUIPMENT DAMAGE.

S3126A

Wide plug

EXAMPLE OF ANTENNA
GROUNDING AS PER THE
NATIONAL ELECTRICAL CODE

NEC-NATIONAL ELECTRICAL CODE
S2898A

ANTENNA LEAD IN WIRE
GROUND CLAMP
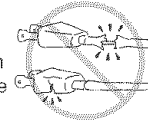ANTENNA DISCHARGE UNIT
(NEC SECTION 810-20)
ELECTRIC SERVICE EQUIPMENT
GROUNDING CONDUCTORS
(NEC SECTION 810-21)
POWER SERVICE GROUNDING
ELECTRODE SYSTEM (NEC ART 250, PART H)
GROUND CLAMPS
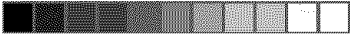
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18. **SERVICING**

Do not attempt to service this unit yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

For example:

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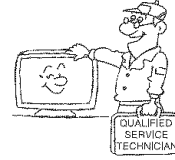
19. **REPLACEMENT PARTS**

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

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

20. **SAFETY CHECK**

Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

21. **HEAT**

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

22. **DISC SLOT**

Keep your fingers well clear of the disc slot as it is closing. Failure to do so may cause serious personal injury.

23. **CONNECTING**

When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause a product damage. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.

24. **HEADPHONES**

When you use headphones, keep the volume at a moderate level. Using headphones continuously at a high volume may cause hearing damage.

25. **LASER BEAM**

Do not look into the opening of the disc slot or ventilation opening of the product to see the source of the laser beam. Doing so may cause sight damage.

26. **DISC**

Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.

27. **LCD**

Do not press on or jolt the LCD panel. Doing so may cause the LCD panel glass to break and injury may occur. Should the LCD panel be broken and liquid leaks out, do not inhale or swallow it. Doing so may cause poisoning. If you have got it into your mouth, wash it out and consult your doctor. If your hands or clothes have touched it, wipe them with alcohol and a cleaning cloth and then wash them well.

28. **NOTE TO CABLE TV SYSTEM INSTALLER**

This reminder is provided to call the Cable TV system installer's attention to Article 820-40 of the NEC that provides guidelines for 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.

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## ON DISPOSAL

**This product contains mercury. Disposal of mercury may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industrial Alliance: www.eiae.org.**

# Precautions

## 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 defects resulting from these symptoms.**

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

## Notes on handling

■ Do not subject the LCD panel to physical shock, such as dropping it. It may cause unit damage and malfunction.
■ Retain the original shipping carton and packing materials. For maximum protection when shipping, repack the unit as it was originally packed at the factory.
■ Do not use volatile liquids, such as insecticide, near the unit. Do not leave rubber or plastic products in contact with the unit for prolonged periods of time. Doing so will leave marks on the finish.
■ The top and rear panels of the unit may become warm after a long period of use. This is not a malfunction.
■ When the unit is not in use, always remove the disc and turn off the power.
■ If you do not use the unit for a long period, the unit may not function properly in the future. Turn on and use the unit occasionally.

## Notes on locating the unit

■ When you place this unit near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted. In this case, place the unit away from the TV, radio, or VCR.
■ To avoid damage to this product, never place or store the TV/DVD in direct sunlight; hot, humid areas; or areas subject to excessive dust or vibration.
■ Always place the TV/DVD on the floor or a sturdy, level stable surface that can support the weight of the unit. Use a sturdy tie between the TV/DVD's rear hooks and the rear wall, pillar, etc., or screw the TV to the stand using the TV's rear screw hole or a safety band (see illustration).
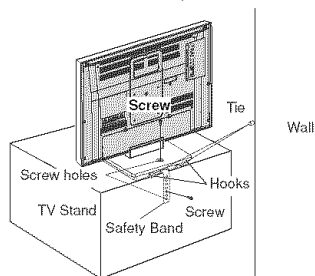


## Note on cleaning
Clean only with a soft, dry, lint-free cloth.

## 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.
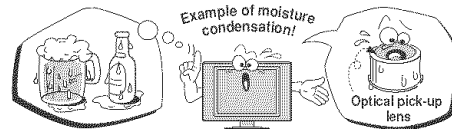


■ **Moisture condensation may occur in the following situations:**

• 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.
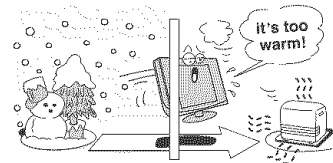


■ **Never use the unit when moisture condensation may occur.**

Using the unit when moisture condensation exists may damage discs and internal parts. Remove the disc, connect the power cord of the unit to the wall outlet, turn on the unit, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the unit connected to the wall outlet and moisture condensation will seldom occur.



**6**
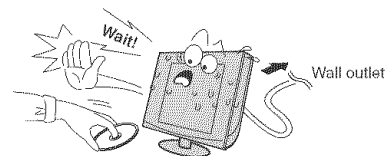
## Notes on discs

### On handling discs

- Do not touch the playback side of the disc.

**DO**

Playback side
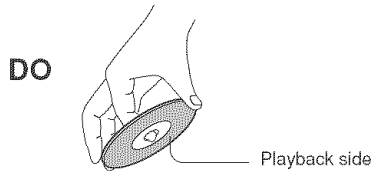
- Do not attach paper or tape to discs.

**DO NOT**

### On cleaning discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outward with a soft, lint-free cloth. Always keep the disc clean.

**DO**     **DO NOT**

- Never use any type of solvent such as thinner, benzine, commercially available cleaners, or antistatic spray made for use on vinyl LPs. Use of such liquids may damage the disc.

### On storing discs

- Never store discs in a place subject to direct sunlight or near heat sources.
- Never store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Always 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 disc

| DVD video disc | | | | |
|---|---|---|---|---|
| Title 1 | | Title 2 | | |
| Chapter 1 | Chapter 2 | Chapter 1 | Chapter 2 | Chapter 3 |

Video CD/Audio CD

| Video CD/Audio CD | | | | |
|---|---|---|---|---|
| Track 1 | Track 2 | Track 3 | Track 4 | Track 5 |
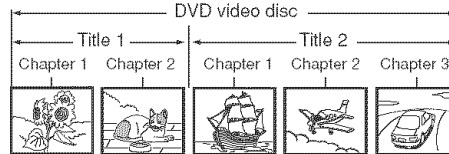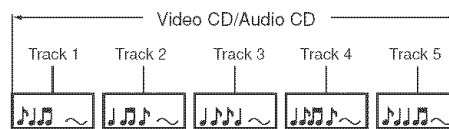
Each title, chapter or track is assigned a number, which is called "title number", "chapter number" or "track number" respectively.
Some discs may not have these numbers.

### Notes on copyright

**The unauthorized recording, use, distribution, or revision of television programs, video tapes, 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.**

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorised by Macrovision Corporation and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

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## About this owner's manual

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

"💓" may appear on the TV screen during operation. A "💓" means that the operation is not permitted by the unit 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, the "💓" may also indicate that the feature is not available for the disc.

### Notes on region numbers

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

### On Video CDs

The DVD player contained in this LCD TV supports Video CDs equipped with the PBC (Version 2.0) function. (PBC is the abbreviation of Playback Control.) 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 DVD in the same way as an audio CD.
• **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 menu displayed on the TV screen (Menu Playback). Some of the functions described in this owner's manual may not work with some discs.

## Playable discs

This unit can play the following discs.

| Disc Mark | Contents | Disc Size | Maximum playback time |
|---|---|---|---|
| DVD video discs | Audio + Video (moving pictures) | 12 cm | Approx. 4 hours (single sided disc) |
| | | | Approx. 8 hours (double sided disc) |
| | | 8 cm [with Disc adapter] | Approx. 80 minutes (single sided disc) |
| | | | Approx. 160 minutes (double sided disc) |
| Video CDs | Audio + Video (moving pictures) | 12 cm | Approx. 74 minutes |
| | | 8 cm [with Disc adapter] | Approx. 20 minutes |
| Audio CDs | Audio | 12 cm | Approx. 74 minutes |
| | | 8 cm (CD single) [with Disc adapter] | Approx. 20 minutes |

The following discs are also available.
• DVD-R/RW discs of DVD video format
• CD-R/CD-RW discs of CD-DA, Video CD, MP3, WMA or JPEG format
• Kodak Picture CD and FUJICOLOR CD format
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, 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 unit uses the NTSC color system, and cannot play DVD video discs recorded in any other color system (PAL, SECAM, etc.).
• When you playback the 8 cm disc, you need an adapter (not supplied).

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 guarantee that the DVD player contained in this LCD TV will play every feature of every DVD bearing the DVD logo and/or every CD bearing the CD logo. As one of the creators of DVD technology, Toshiba DVD players are manufactured using the highest standards of quality, and as a result, such incompatibilities are rare. If you happen to experience any difficulty playing a DVD or a CD on the DVD player contained in this LCD TV, please feel free to contact us via the methods listed in the "How to Obtain Warranty Services" sections on  pages 63 and 64 (as applicable).

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## Exploring your new TV/DVD

You can operate your TV/DVD by using the buttons on the top panel or the remote control. The side and back panels provide the inputs to connect other equipment to your TV/DVD.

The STARTING SETUP feature appears the first time you turn on the TV/DVD. See page 23 for details.

**Top panel**

POWER MENU VOLUME +/− CHANNEL ∧/∨ TV/VIDEO PLAY STOP SKIP ◄◄/►►| EJECT ▲
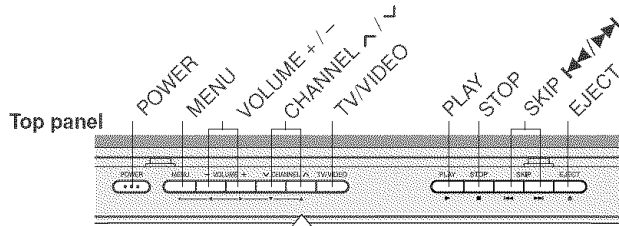
The volume and channel buttons on the top panel can be used as ▲/▼ and ◄/► buttons while the TV menu is displayed on screen.

**Top**

Approx 5°   Approx 10°

**Right side**

**Front**

**Remote control**

You can adjust the angle of the TV screen 5° forward or 10° backward from vertical. Hold the base of the TV/DVD while adjusting the angle.

Disc slot

* Illustration of 20HLV85

POWER indicator
Remote sensor
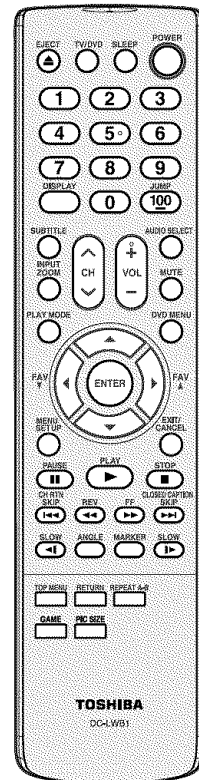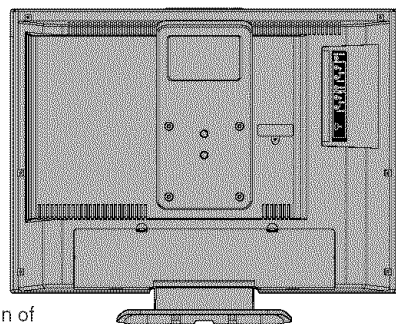
**Back**

**Left side**
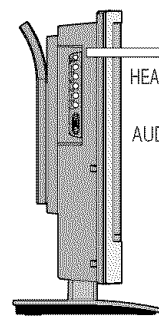
HEADPHONE

AUDIO-2 IN

PC IN

**Side panel**

TOSHIBA
CC-LWB1

* Illustration of 20HLV85

**Back panel**

RF IN   ColorStream HD IN   HDMI IN

DC IN   VIDEO-1 IN   COAXIAL DIGITAL AUDIO OUT

10
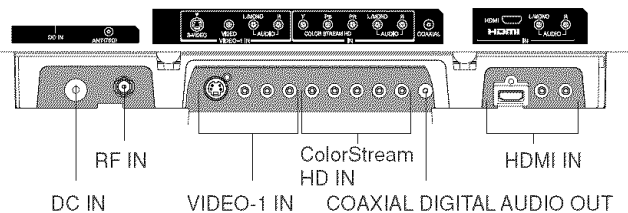
## Selecting a location for the TV/DVD

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

# Connecting your TV/DVD

- A coaxial cable is the standard cable that comes in from your antenna or cable converter box. Coaxial cables use "F" connectors.
- Standard A/V (audio/video) cables are usually color coded according to use: yellow for video and red and white for audio. The red audio cable is for the stereo right channel, and the white audio cable is for the stereo left (or mono) channel. If you look at the rear panel of the TV/DVD, you will see that the terminals are color coded in the same manner as the cables.
- S-video cables provide better picture performance than standard video cables. S-video cables can only be used with S-video compatible components.
- Component video cables provide better picture performance than S-video cables. Component video cables can only be used with component video compatible components.
- HDMI (High Definition Multimedia Interface) cable is for use with video equipment that has HDMI output (see page 17).



ANTENNA
Coaxial Cable

S-Video
Cable

AUDIO
Cables

Component video
Cables

VIDEO
Cable

HDMI
Cable
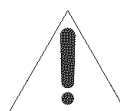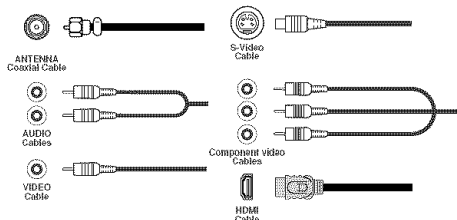
**Note:**
*To prevent equipment damage, do not plug in any power cords until you have finished connecting all equipment.*

## Connecting a VCR

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

TV/DVD back panel



Cable Lead-in from cable box or antenna

Stereo VCR
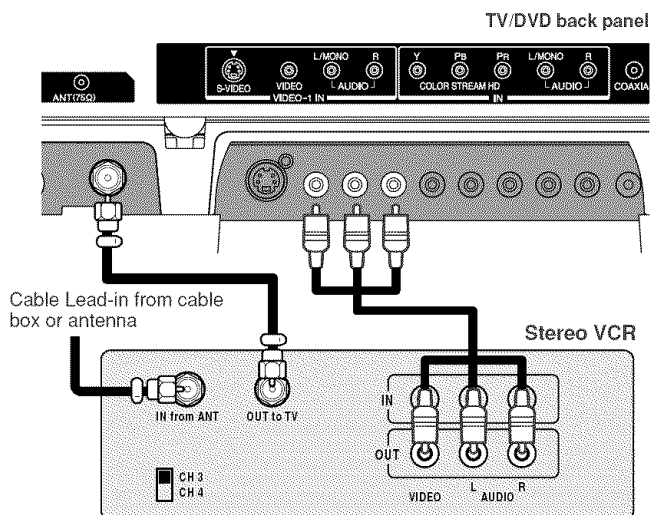
You will need:
- two coaxial cables
- one set of standard A/V cables

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

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

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## Connecting a cable converter box or Antenna

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

### Option 1: For Subscribers to Basic Cable TV Service

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

### Option 2: For Subscribers to Scrambled Cable TV Service

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

### Option 3: For Subscribers to Unscrambled Basic Cable with Scrambled Premium Channels

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

*Note:*
*When you use a converter box with your TV/DVD, there may be features that you cannot program using the remote control, such as labeling channels, blocking channels, and programming your favorite channels.*

From Cable

Option 1:

Option 2: Cable Box

Option 3: Cable Box

Splitter   A / B Switch

TV/DVD back panel
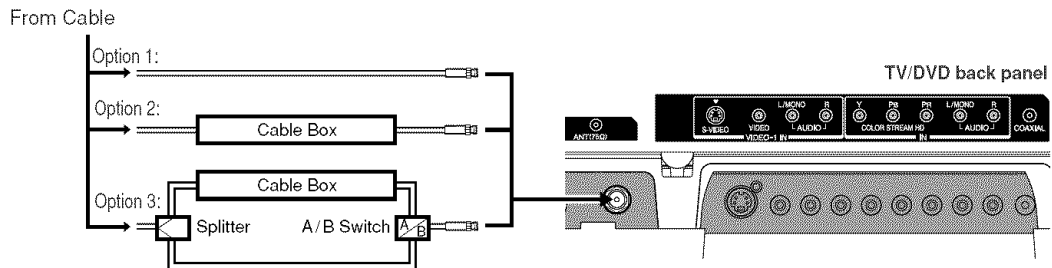
## Connecting a satellite receiver and a VCR

This connection allows you to watch satellite, VCR, or TV programs. You can record from the satellite receiver and TV, as well as record one TV channel while watching another channel.

From satellite



Satellite Receiver

Stereo VCR

TV/DVD back panel
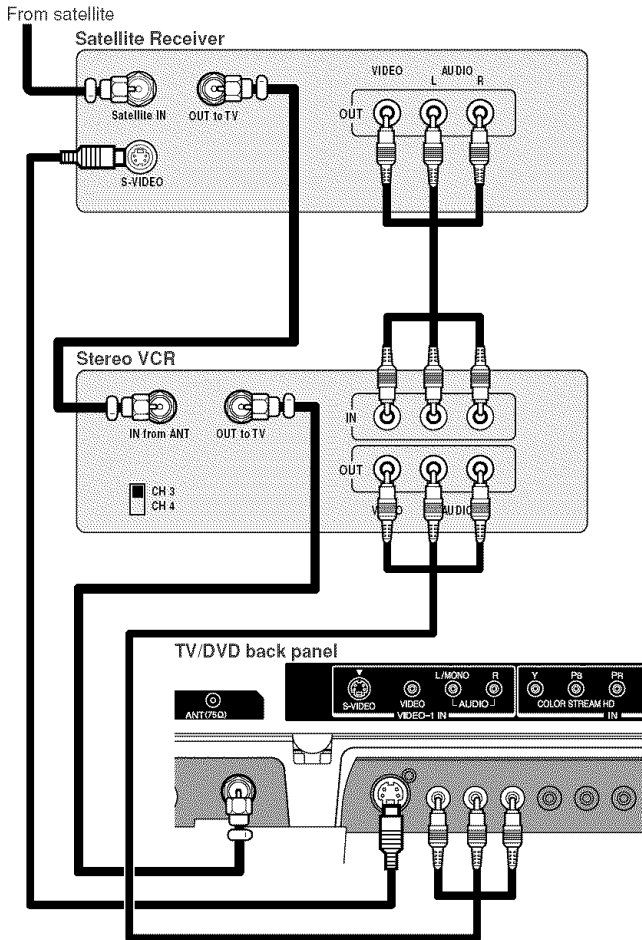
You will need:
- three coaxial cables
- two sets of standard A/V cables
- one S-video cable

### Note:

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

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

This connection allows you to watch DVD, VCR, or TV programs and record TV programs. You can record from one source while watching a program from another source. Your TV/DVD is capable of using ColorStream (component video). Connecting your TV/DVD to a component video compatible DVD player, such as a Toshiba DVD player with ColorStream®, can greatly enhance picture quality and performance.
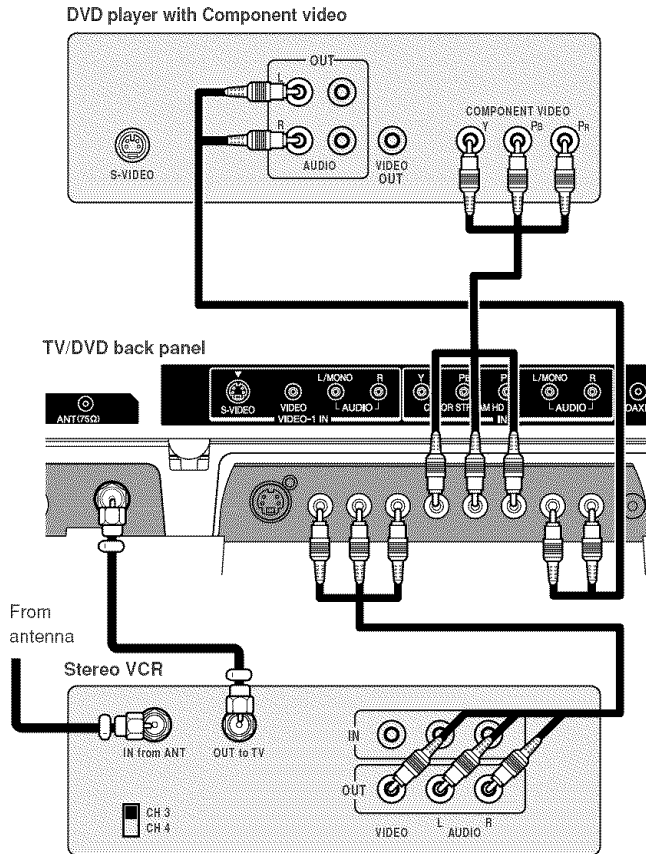
You will need:
- two coaxial cables
- one set of standard A/V cables
- one set of component video cables
- one pair of standard audio cables

### Note:
*The ColorStream HD jacks can be used with Progressive (480p, 720p) and Interlaced (480i, 1080i) scan systems. A 1080i signal will provide the best picture performance.*

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**DVD player with Component video**



**TV/DVD back panel**

From antenna

**Stereo VCR**

14

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

This connection allows you to watch DTV (digital TV), VCR, and TV programs, and record DTV and TV programs.
Your TV/DVD has ColorStream® (component video) inputs. Connecting your TV/DVD to a DTV receiver with component video can greatly enhance picture quality and realism.
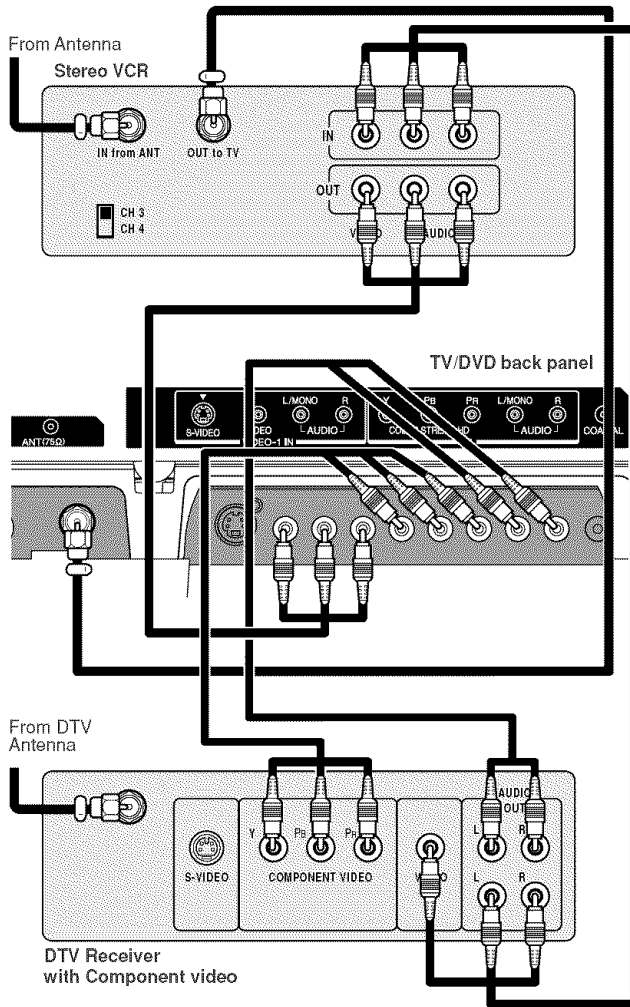
You will need:
- three coaxial cables
- two sets of standard A/V cables
- one set of standard audio cables
- one set of component video cables

*Note:*
*For HDMI connection, see page 17.*
*The ColorStream HD jacks and HDMI jacks can be used with Progressive (480p, 720p) and Interlaced (480i, 1080i) scan systems. If your DTV receiver does not have component video, use the S-video and standard audio connections instead. Do not connect both an S-video and a standard video cable to VIDEO1 at the same time or the picture performance will be unacceptable.*

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

From Antenna
Stereo VCR

IN from ANT   OUT to TV

CH 3
CH 4

TV/DVD back panel

From DTV Antenna

DTV Receiver
with Component video

## Connecting a camcorder

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

**VHS Camcorder**



**TV/DVD Side panel**



**S-VHS Camcorder**



**TV/DVD back panel**

You will need:
- one set of standard AV cables
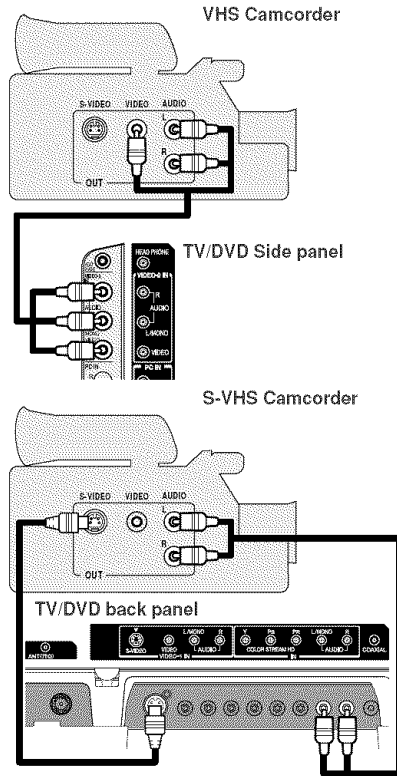
You will need:
- one S-video cable
- one pair of standard audio cables

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

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

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

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

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

**Note: The HDMI jack is not intended for connection to and should not be used with a personal computer. For PC connection, see page 20.**

---

**To connect an HDMI device, you will need:**
• one HDMI cable (type A connector)

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

*HDMI cable transfers both video and audio. Separate analog audio cables are not required (see illustration below).*

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

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

**HDMI device**



**TV/DVD back panel**

---

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

[1] HDMI = High-Definition Multimedia Interface.
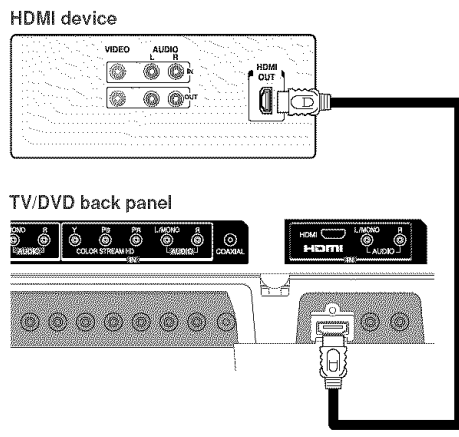[2] DVI = Digital Video Interface.
[3] HDCP = High-bandwidth Digital Content Protection.
[4] EIA/CEA-861/861B compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals.
Because this is an evolving technology, it is possible that some devices may not operate properly with the TV/DVD.

---

*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/DVD 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/DVD.*

---

**To connect a DVI device, you will need:**
• one HDMI–to–DVI adapter cable (HDMI type A connector)

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

• one pair of standard analog audio cables

*An HDMI-to-DVI adapter cable transfers only video. Separate analog audio cables are required (see illustration below).*
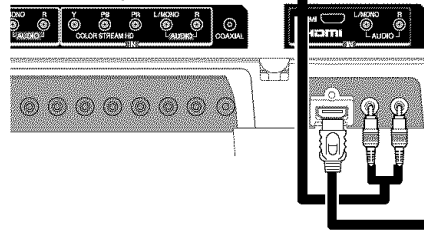
***You must set the HDMI audio input setting to "DVI" in the AUDIO menu (see page 40).***

**DVI device**
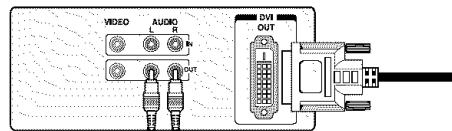


**Rear lower**
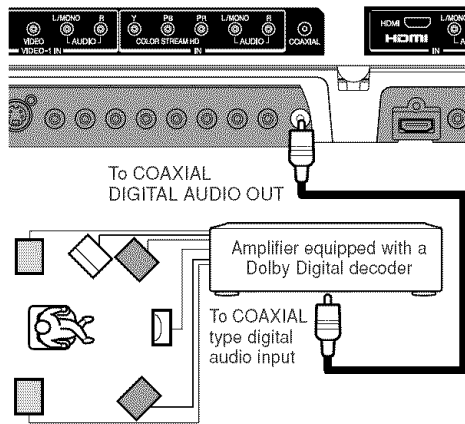**TV/DVD back panel of TV/DVD**

## Connecting an amplifier equipped with a Dolby® Digital decoder

**Dolby Digital**

Dolby Digital is the surround sound technology used in theaters showing the latest movies, and is now available to reproduce this realistic effect in the home. You can enjoy motion picture and live concert DVD video discs encoded via the Dolby Digital recording system with this dynamic realistic sound by connecting the TV/DVD to a 6 channel amplifier equipped with a Dolby Digital decoder or Dolby Digital processor. If you have a Dolby Surround Pro Logic decoder, you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles with the Dolby Surround mark.

**TV/DVD back panel**



To COAXIAL
DIGITAL AUDIO OUT

Amplifier equipped with a Dolby Digital decoder

To COAXIAL type digital audio input

## Connecting an amplifier equipped with a DTS® decoder

**Digital Theater Systems (DTS)**

DTS is a high quality surround technology used in theaters and now available for home use, on DVD video discs or audio CDs.
If you have a DTS decoder or processor, you can obtain the full benefit of 5.1 channel DTS encoded sound tracks on DVD video discs or audio CDs.

**TV/DVD back panel**



To COAXIAL
DIGITAL AUDIO
OUT

Amplifier equipped with a DTS decoder

To COAXIAL type digital audio input
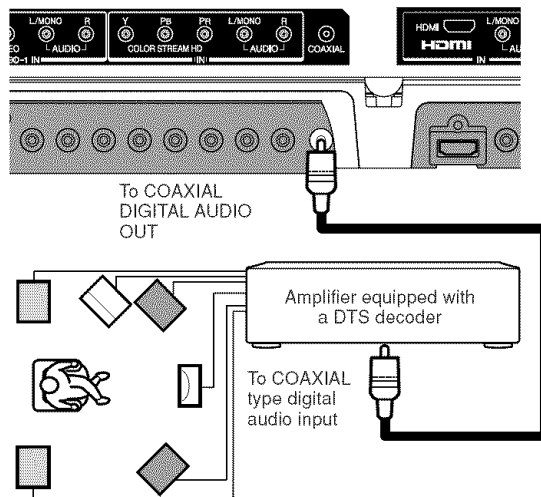
You will need:
• one coaxial cables

*Notes:*

• *DO NOT connect the COAXIAL DIGITAL AUDIO OUT jack of the TV/DVD to the AC-3 RF input of a Dolby Digital Receiver. This input on your A/V Receiver is reserved for Laserdisc use only and is incompatible with the COAXIAL DIGITAL AUDIO OUT jack of the TV/DVD.*
• *Connect the COAXIAL DIGITAL AUDIO OUT jack of the TV/DVD to the "COAXIAL" input of a Receiver or Processor.*
• *Refer to the owner's manual of the connected equipment as well.*
• *The output sound of the TV/DVD has a wide dynamic range. Be sure to adjust the receiver's volume to a moderate listening level. Otherwise, the speakers may be damaged by a sudden high volume sound.*
• *Turn off the amplifier before you connect or disconnect the TV/DVD's power cord. If you leave the amplifier power on, the speakers may be damaged.*

Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.

You will need:
• one coaxial cable

*Notes:*

• *Connect the COAXIAL DIGITAL AUDIO OUT jack of the TV/DVD to the "COAXIAL" input of a Receiver or Processor.*
• *Refer to the owner's manual of the connected equipment as well.*
• *The output sound of the TV/DVD has a wide dynamic range. Be sure to adjust the receiver's volume to a moderate listening level. Otherwise, the speakers may be damaged by a sudden high volume sound.*
• *Turn off the amplifier before you connect or disconnect the TV/DVD's power cord. If you leave the amplifier power on, the speakers may be damaged.*

DTS and DTS Digital Out are trademarks of Digital Theater Systems, Inc.

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## Connecting an amplifier equipped with an MPEG audio decoder

**MPEG2 sound**

You can enjoy motion picture and live concert DVD video discs encoded via the MPEG2 recording system with dynamic realistic sound by connecting an amplifier equipped with an MPEG2 audio decoder or MPEG2 audio processor.

**TV/DVD back panel**
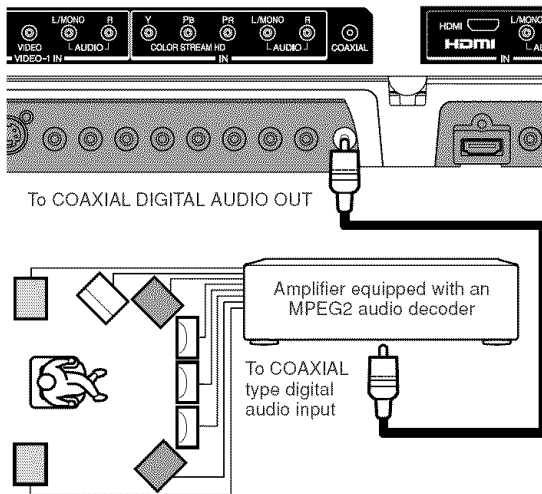


To COAXIAL DIGITAL AUDIO OUT

Amplifier equipped with an MPEG2 audio decoder

To COAXIAL type digital audio input

You will need:
* one coaxial cable

*Notes:*
* *Connect the COAXIAL DIGITAL AUDIO OUT jack of the TV/DVD to the "COAXIAL" input of a Receiver or Processor.*
* *Refer to the owner's manual of the connected equipment as well.*
* *The output sound of the TV/DVD has a wide dynamic range. Be sure to adjust the receiver's volume to a moderate listening level. Otherwise, the speakers may be damaged by a sudden high volume sound.*
* *Turn off the amplifier before you connect or disconnect the TV/DVD's power cord. If you leave the amplifier power on, the speakers may be damaged.*

## Connecting an amplifier equipped with a digital audio input

**2 channel digital stereo**

You can enjoy the dynamic sound of 2 channel digital stereo by connecting an amplifier equipped with a digital audio input and speaker system (right and left front speakers).

**TV/DVD back panel**



To COAXIAL DIGITAL AUDIO OUT

Amplifier equipped with a Digital audio input

To COAXIAL type digital audio input
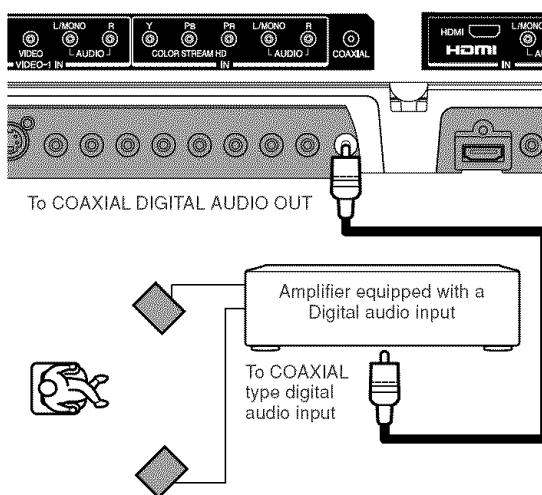
You will need:
* one coaxial cable

*Notes:*
* *PCM audio is limited to DVD or CD playback.*
* *Connect the COAXIAL DIGITAL AUDIO OUT jack of the TV/DVD to the "COAXIAL" input of a Receiver or Processor.*
* *Refer to the owner's manual of the connected equipment as well.*
* *The output sound of the TV/DVD has a wide dynamic range. Be sure to adjust the receiver's volume to a moderate listening level. Otherwise, the speakers may be damaged by a sudden high volume sound.*
* *Turn off the amplifier before you connect or disconnect the TV/DVD's power cord. If you leave the amplifier power on, the speakers may be damaged.*

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## Connecting a PC (Personal Computer)

Before you connect this TV/DVD to your PC, change the adjustment of your PC's Resolution and Refresh rate. See "Monitor Display modes" at right.

Connect one end of a (male to male) VGA cable to the video card of the computer and the other end to the VGA connector PC at the side of the TV/DVD. Fix the connectors firmly with the screws on the plug. In case of a Multimedia computer, connect the audio cables to the audio outputs of your Multimedia computer and to the AUDIO L and R connectors of the PC IN jacks of the TV/DVD.

Set the video input source to PC mode (see "Selecting the video input source" on page 31 and "Picture/Audio adjustments in the PC mode" on page 41). The TV/DVD can be used as a computer monitor.
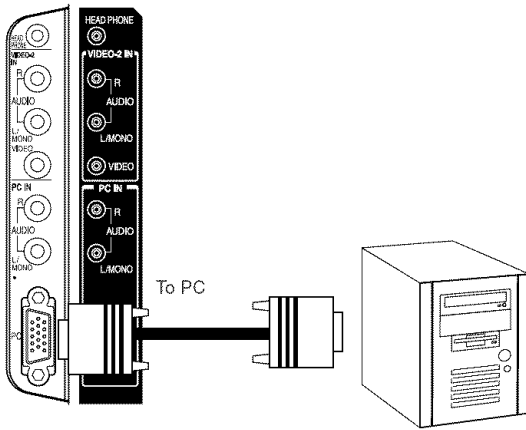
**TV/DVD side panel**

You will need:
• one VGA cable

**Monitor Display modes**

| MODE | Resolution | Refresh rate |
|------|------------|--------------|
| VGA | 640x480 | 60Hz |
| SVGA | 800x600 | 56.3Hz |
| SVGA | 800x600 | 60.3Hz |
| XGA | 1024x768 | 60Hz |
| WXGA | 1280x720 | 60Hz |
| WXGA | 1280x768 | 60Hz |

*Notes:*
• *The current signal source does not display when you return to TV mode.*
• *The on-screen displays will have a different appearance in PC mode than in TV mode.*
• *When you select WXGA mode, set the WXGA INPUT to ON in the PC PICTURE menu (see page 41.)*



To PC

# Power source

## Power connection

### To use AC power
1. Connect the AC cord to the AC adapter.
2. Connect the AC adapter plug into the TV/DVD's DC input jack.
3. Connect the AC cord into a wall outlet.



To DC input jack
2

AC 120V, 60Hz
3

1

AC adapter (supplied)   AC cord (supplied)
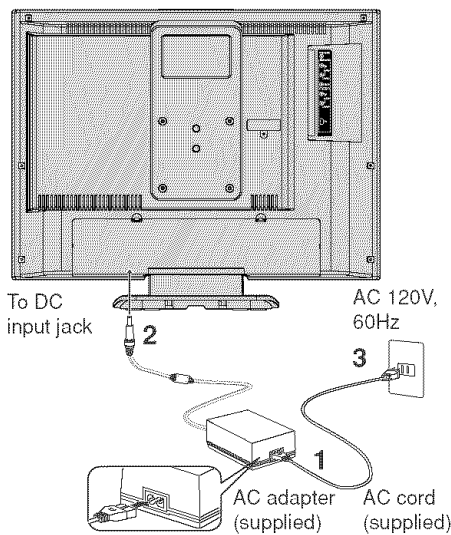
*Notes:*
• *Make sure to insert the plug of each cord securely.*
• *During use the AC adapter becomes warm. This is not a malfunction.*

*WARNING:*
• *Do not connect this unit to the power using any device other than the supplied AC adapter or power cord. This could cause fire, electric shock, or damage.*
• *Do not use with a voltage other than the power voltage displayed. This could cause fire, electric shock, or damage.*
• *Never lift the AC adapter by holding the AC cord. The AC adapter may fall, causing personal injury or equipment damage.*

*CAUTION:*
• *Do not use the AC adapter if it is covered by a cloth etc., or pressed into a narrow area. This results in poor dissipation of heat and may cause fire, electric shock, or damage.*
• *When this unit is not used for a long time, (e.g., away on a trip) in the interest of safety, be sure to unplug it from the wall outlet.*
• *Do not plug/unplug the plug when your hands are wet. This may cause electric shock.*
• *If you need to replace the supplied AC adapter or AC cord, the specified AC adapter and AC cord must be used. Contact the dealer that you purchased the unit from.*
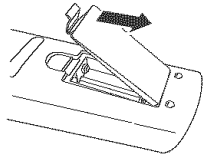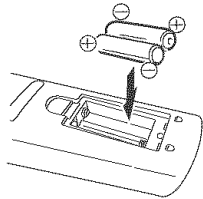
20

# Setting up your TV/DVD

## Using the remote control

### Installing the remote control batteries

**To install the batteries:**

1. Open the battery cover on the back of the remote control.

2. Install two "AAA" size batteries. Match the + and – signs on the batteries to the signs on the battery compartment.

3. Close the battery cover on the remote control until the lock snaps.

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

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

*Notes:*
* *Be sure to use AAA size batteries.*
* *Dispose of batteries in a designated disposal area.*
* *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 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.*

21
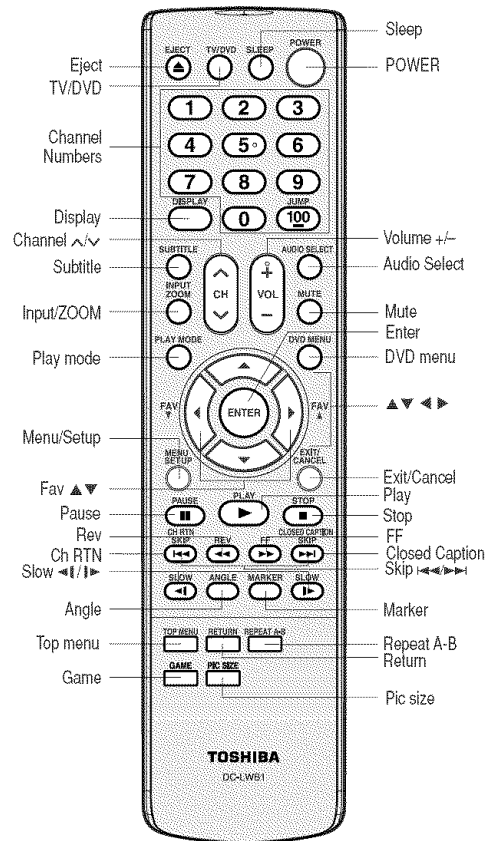
## Learning about the remote control

**POWER** turns the TV/DVD on and off

**EJECT** eject a disc (page 43)

**TV/DVD** switches between TV/Video input/PC and DVD

**CHANNEL NUMBERS** allow direct access to channels

**CHANNEL ∧ / ∨** cycles through programmed channels (page 24)

**VOLUME + / –** adjusts the volume level

**ENTER** sets programmed menu information (page 23)

**EXIT/CANCEL** exits programming menus or resets information in the menu (page 23)

**INPUT** selects the video input source (page 31)

**PIC SIZE** cycles through the three picture sizes: Natural, TheaterWide and full (page 33)

**GAME** game mode (page 24)

**MENU/SETUP** allows access to programming menus (page 23)

**DISPLAY** displays status information on-screen (page 40)

**SLEEP** programs the TV/DVD to turn off at a set time (page 35)

**MUTE** turns off the sound (page 38)

**CLOSED CAPTION** switch between TV/Caption/Text in Closed Caption mode (page 35)

**SUBTITLE** sets subtitle (page 50)

**AUDIO SELECT** switches the sound of TV/DVD and changes sound track languages (page 50)

**DVD MENU** allows access to DVD menu (page 49)

**TOP MENU** allows access to DVD Top menu (page 49)

**PLAY MODE** sets repeat playback (page 47)

**RETURN** removes DVD setup menu (page 55)

**MARKER** index of DVD (page 46)

**REPEAT A-B** repeats playback between A and B (page 47)

**ANGLE** changes playback angle (page 49)

**JUMP** locates the desired point to play back (page 45)

**CH RTN** returns to the last viewed channel (page 25),

**ZOOM** allows you to zoom in (page 45)

**SKIP** ⊩◄◄/►►⊩ skips DVD chapter (page 44)

**FF** fast forwards a DVD, VCD, CD Audio, forwards playback

**PLAY** plays a DVD, VCD, CD Audio

**REV** rewinds a DVD, VCD, CD Audio, reviews playback

**STOP** stops a DVD, VCD, CD Audio

**PAUSE** pauses a DVD, VCD, CD Audio

**SLOW** ◄⊩/⊩► plays forward/reverse slowmotion



Labels on the remote control (from top): Sleep, POWER, Eject, TV/DVD, Channel Numbers, Display, Channel ∧/∨, Subtitle, Input/ZOOM, Play mode, Menu/Setup, Fav ▲▼, Pause, Rev, Ch RTN, Slow ◄⊩/⊩►, Angle, Top menu, Game, Volume +/–, Audio Select, Mute, Enter, DVD menu, ▲▼ ◄ ►, Exit/Cancel, Play, Stop, FF, Closed Caption, Skip ⊩◄◄/►►⊩, Marker, Repeat A-B, Return, Pic size

**TOSHIBA**
DC-LW51

• Aim the remote control at the remote sensor and press control buttons to operate.

• Operate the remote control within a 30 degree on either side of the remote sensor, up to a distance of approx. 16 ft. (5m).

Remote Sensor

Approx. 5 meters    30° | 30°

**22**

Setting up your TV/DVD
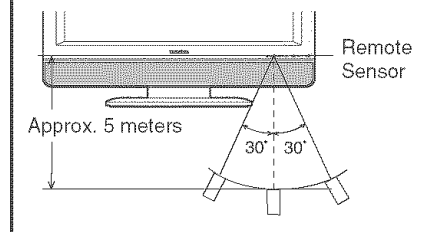
## Starting setup

The STARTING SETUP feature appears the first time you turn on the TV/DVD, and helps you select the menu language, specify the TV/CABLE setting, and program channels automatically.
**IMPORTANT: Make sure that the antenna or cable TV system connection is made!**

1. Press POWER to turn on the TV/DVD. The starting setup function begins and the language setup menu appears on the screen. Press ▲ or ▼ to select your desired language, then press ENTER.
2. Press ▲ or ▼ to select "TV" or "CABLE", then press ENTER.
3. Press ▲ or ▼ to select "START", then press ENTER. If you select "CANCEL" and press ENTER, the STARTING SETUP stops and changes to the TV screen.
4. Now the "AUTO SETUP" starts. After the starting setup is completed, the TV channel appears on the screen.
   - If you press the EXIT button in the process of "AUTO SETUP" the STARTING SETUP stops and changes to the TV screen.
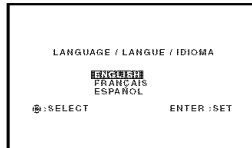
After you have installed the batteries and programmed the remote control, you need to set some preferences on the TV/DVD using the menu system. You can access the menu system with the buttons on the remote control.
- When you make a menu selection, your changes occur immediately. You do not have to press MENU or EXIT to see your changes.
- After one minute, the menu screen will automatically close if you do not make a selection. Your changes will still be saved.
- When you have finished programming the menus, press EXIT.

### Changing the on-screen display language

You can choose from three different languages (English, French and Spanish) for the on screen displays. Adjustment menus and messages will appear in the language of your choice.

**To select a language:**
1. Press MENU, then press ◄ or ► until the SETUP menu appears.
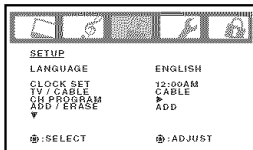
2. Press ▲ or ▼ to highlight LANGUAGE.
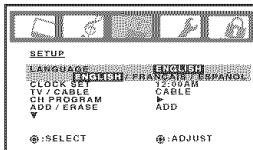
3. Press ◄ or ► to highlight your desired language.

POWER

Enter

▲▼ ◄ ►

Exit
Menu

TOSHIBA
DC-LWB1
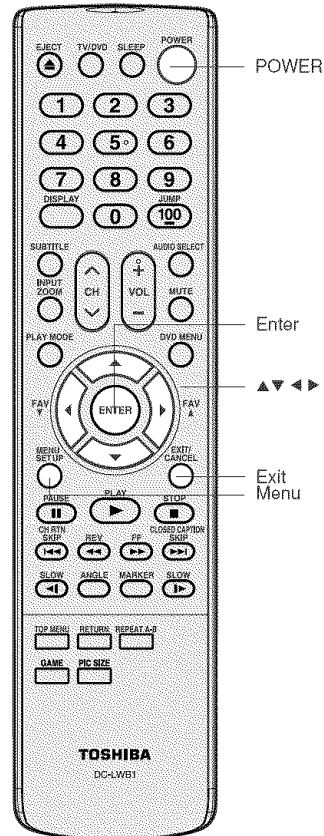
*Note:*
*The position and size of the on-screen menus change for some program formats (such as 1080i or 720p).*

23

## Adding channels to the TV/DVD's memory

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

### Programming channels automatically

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

**To add channels automatically:**
1. Press MENU, then press ◀ or ▶ to display the SETUP menu.
2. Press ▲ or ▼ until the TV/CABLE selection is highlighted.
3. Press ◀ or ▶ to highlight either TV or CABLE, depending on which you use.
   If you use an antenna, choose TV.
   If you use cable, choose CABLE.
4. Press ▼ until the CH PROGRAM selection is highlighted.
5. Press ▶ to start channel programming. The TV/DVD will automatically cycle through all the TV or Cable channels (depending on which you selected), and store all active channels in the channel memory. While the TV/DVD is cycling through the channels, the message "PROGRAMMING NOW-PLEASE WAIT" appears.
6. When channel programming is complete, the message "COMPLETED" appears.
7. Press CH ∧ / ∨ to view the programmed channels.
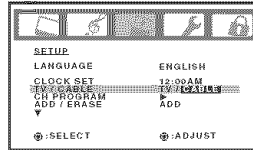
### Adding and erasing channels manually

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

**To add or erase channels manually:**
1. Select the channel you want to add or erase. If adding channels, you must select the channel to add using the Channel Number buttons.
2. Press MENU, then press ◀ or ▶ to display the SETUP menu.
3. Press ▲ or ▼ to highlight ADD/ERASE.
4. Press ◀ or ▶ to select ADD or ERASE, whichever function you want to perform.
5. Repeat steps 1-4 for other channels you want to add or erase.
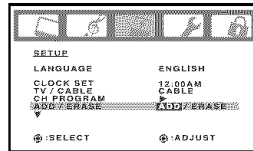
### Changing channels

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

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

### Game mode

After connecting a TV Game to the unit, press GAME. The TV screen changes to the Game mode.
• The Game mode screen is adjusted to the suitable brightness for your eyes.
• If GAME is pressed during standby mode, the unit turns on automatically and the Game mode screen appears on the screen.

Channel Numbers

Channel ∧ ∨

▲▼ ◀▶

Menu

Game

**TOSHIBA**
DC-LWB1
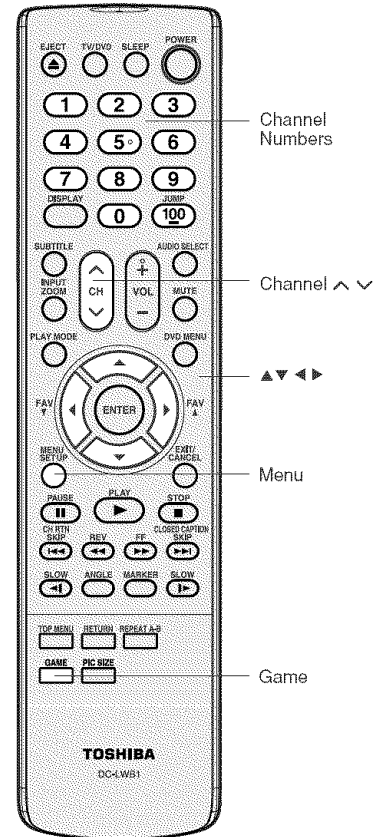
In addition to cycling through your programmed channels, the Channel ∧/∨ buttons will also cycle through the video input sources (page 31) in the order illustrated below.

ANT (programmed channel) ⟷ VIDEO1 ⟷ VIDEO2

PC ⟷ HDMI ⟷ ColorStream HD ⟷ GAME

**24**
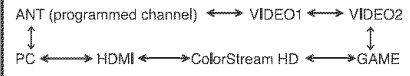
# Using the TV/DVD's features

## Adjusting the channel settings

### Switching between two channels

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

**To switch between two channels:**
1. Select the first channel you want to view.
2. Select a second channel using the Channel Number buttons (0-9, 100).
3. Press CH RTN. The previous channel will be displayed.

Each time you press CH RTN, the TV/DVD will switch back and forth
between the two channels.

### Programming your favorite channels

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

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

**To program your favorite channels:**
1. Select a channel you want to program.
2. Press MENU, then press ◄ or ► to display the OPTION menu.
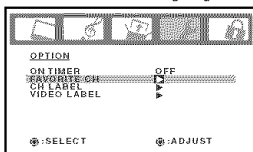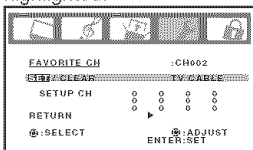3. Press ▲ or ▼ to highlight FAVORITE CH.

```
        OPTION
ON TIMER          OFF
FAVORITE CH
CH LABEL
VIDEO LABEL       ►

⊕:SELECT          ⊕:ADJUST
```

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

```
FAVORITE CH       :CH002
SET/CLEAR          TV CABLE
SETUP CH      o  o  o  o
              o  o  o  o
RETURN            o  o  o  o
              ►
⊕:SELECT          ⊕:ADJUST
              ENTER:SET
```

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

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

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

```
FAVORITE CH       :CH002
SET/CLEAR          TV CABLE
SETUP CH      o  o  o  o
              o  o  o  o
RETURN            o  o  o  o
              ►
⊕:SELECT          ⊕:ADJUST
              ENTER:CLEAR
```
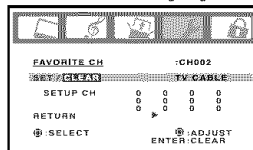
6. Press ENTER until "0" replaces the channel number you want to erase.
7. Press EXIT to return to normal viewing.
8. Repeat steps 1-7 for the other channels.
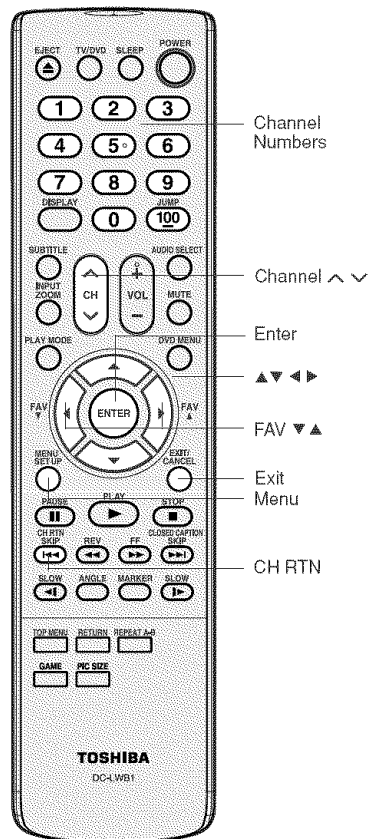
Channel
Numbers

Channel ∧ ∨

Enter

▲▼ ◄►

FAV ▼▲

Exit
Menu

CH RTN

TOSHIBA
DC-LWB1

25

## Using the LOCKS menu

**Note : The V-Chip feature is available for the U.S. V-Chip system only. The Canadian V-Chip Feature system is not supported.**

You can prevent others from viewing certain programs or channels by blocking them using the V-Chip feature.

### Selecting a password

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

**To select your password and access the LOCKS menu:**

1. Press MENU, then press ◄ or ► to highlight the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.

```
LOCKS
NEW PASSWORD

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

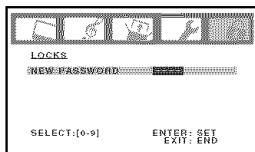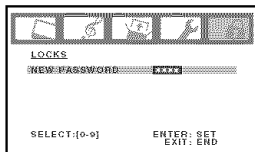3. Use the Channel Number buttons (0-9) to enter your password. If you are accessing the LOCKS menu for the first time, select a four-digit number to be your password. Press ENTER.

```
LOCKS
NEW PASSWORD

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

4. Enter the password again to confirm it, and then press ENTER. The LOCKS menu appears.
   If the wrong password is entered, "ERROR" blinks about 4 seconds.

```
LOCKS
CONFIRM PASSWORD

SELECT:[0-9]        ENTER: SET
                    EXIT: END
```
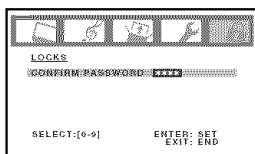
5. You may now set up the LOCKS menu. See "Using the V-Chip (parental control) feature" (page 27), "Locking channels" (page 28), "Locking the video inputs" (page 28), "Setting the GameTimer™" (page 29) or "Using the panel lock feature" (page 29).

**To change your password:**

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

*Note:*
*The password you programmed is also used in the LOCKS menu; see pages 27-29.*

Channel Numbers

Display

Enter

▲▼ ◄ ►

Exit
Menu

**TOSHIBA**
DC-LWB1
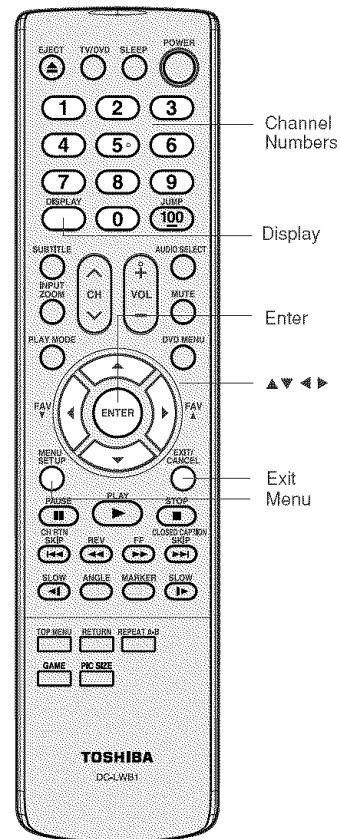
*Note:*
*If you forget your password, press DISPLAY four times within five seconds while the TV/DVD is in password entering mode. This allows you to reset your password.*

## Using the V-Chip (parental control) feature

The Motion Picture Association of America (MPAA) uses a rating system to qualify motion picture content. Television broadcasters employ a rating system to qualify the content of television programs, as well. The TV and MOVIE ratings work with the V-Chip feature and allow you to block programs according to the rating limits you set.

**To use the V-Chip to block programs by rating:**

1. Press MENU, then press ◀ or ▶ to display the LOCKS menu.
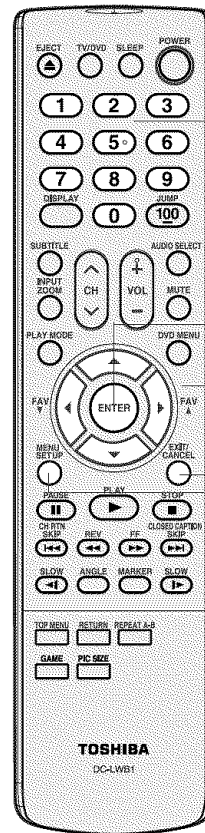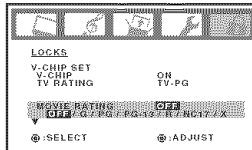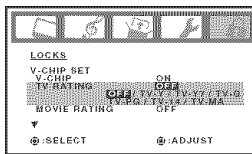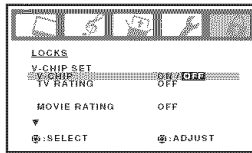2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password. Press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight V-CHIP.
   - Press ◀ or ▶ to highlight ON to enable V-Chip program blocking by rating.
   - Press ◀ or ▶ to highlight OFF to disable V-Chip program blocking by rating.
5. Press ▲ or ▼ to highlight TV RATING. Then, press ◀ or ▶ to display the desired rating.

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

   - When you select TV-Y7, TV-PG, TV-14 or TV-MA, press DISPLAY to explain the rating. Press ▲ or ▼ to select the desired rating you want. Press ◀ or ▶ to select the setting "ON" or "OFF", then press ENTER.
6. Press ▲ or ▼ to highlight MOVIE RATING. Then, press ◀ or ▶ to display the desired rating.

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

7. When you are done selecting the ratings, press EXIT to return to normal viewing.

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

Channel Numbers

Enter

▲▼◀▶

Exit

Menu

TOSHIBA
DC-LWB1

27

## Locking channels

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

1. Use the Channel Number buttons (0-9 and 100) to display the television channel you wish to lock.
2. Press MENU, then press ◄ or ► to display the LOCKS menu.
3. Press ▲ or ▼ to display the password entering mode.
4. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
5. Press ▲ or ▼ to highlight CH LOCK and press ► to display the CH LOCK menu.
6. Press ◄ or ► to select the following:
   • SET– to set the channel as one to be locked. Then press ENTER.
   • CLEAR– to clear all channels from the list of locked channels. Then press ENTER.
7. Repeat steps 1 through 6 to lock other channels. When you have finished locking channels, press EXIT to return to normal viewing.
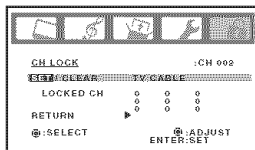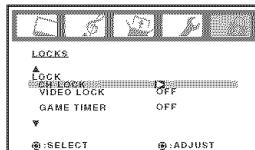
If you try to tune a locked channel, the TV/DVD will not display it, but will display the nearest unlocked channel.

**To unlock channels:**

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

## Locking the video inputs

With the VIDEO LOCK feature, you can lock out the input sources (VIDEO1, VIDEO2, COLORSTREAM HD, HDMI, PC, GAME) and channels 3 and 4. You will not be able to select the input sources with the INPUT button or Channel buttons unless you clear the setting.

**To set up the video lock:**

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

Channel Numbers

Enter

▲▼◄►

Exit

Menu

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

Channel Numbers

INPUT

Enter

▲▼◄►

Exit

Menu

*Note:*
*After programming VIDEO LOCK, change channels or press the INPUT key before turning off the TV/DVD.*

28
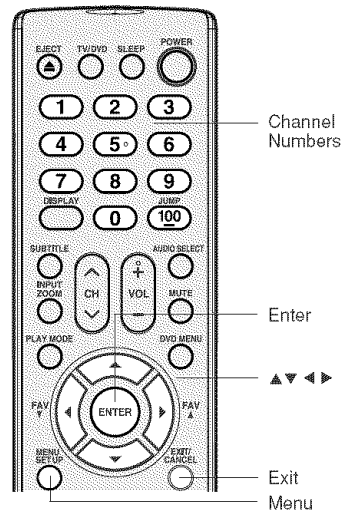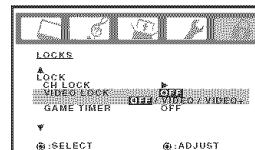
**To unlock the video inputs:**
1. Press MENU, then press ◀ or ▶ to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight VIDEO LOCK and press ◀ or ▶ to highlight OFF.
5. Press EXIT to return to normal viewing.

## Setting the GameTimer™

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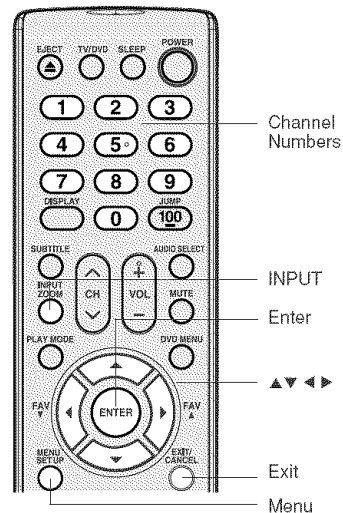
**To set up the GameTimer:**
1. Press MENU, then press ◀ or ▶ to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight GAME TIMER.
5. Press ◀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

## Using the panel lock feature

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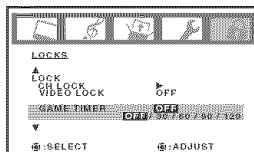
**To lock the panel:**
1. Press MENU, then press ◀ or ▶ to display the LOCKS menu.
2. Press ▲ or ▼ to display the password entering mode.
3. Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCKS menu appears.
4. Press ▲ or ▼ to highlight PANEL LOCK and press ◀ or ▶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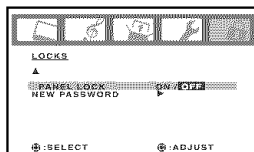
**To unlock the panel:**
Press and hold the VOLUME – button on the TV/DVD top panel for about 10 seconds until the message "PANEL LOCK:OFF" appears on-screen.

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

### Notes:
• *Interactive video games that involve shooting a gun type of joy-stick at an on-screen target may not work on this TV/DVD.*
• *To deactivate the GameTimer, set the VIDEO LOCK to OFF (see "Locking the video inputs" page 28).*
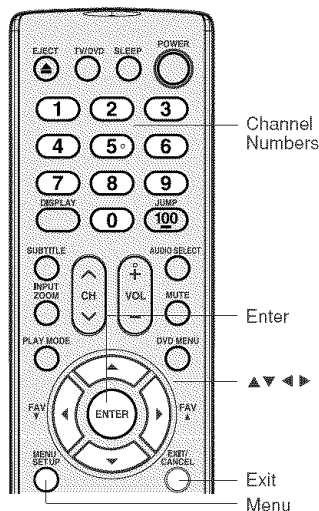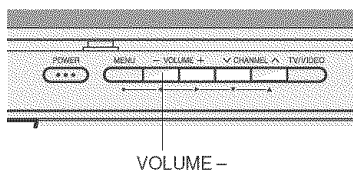
Channel Numbers

Enter

▲▼◀▶

Exit

Menu

TV/DVD top panel

VOLUME –

29

## Labeling channels

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

**To create channel labels:**
1. Select a channel you want to label.
2. Press MENU, then press ◀ or ▶ until the OPTION menu appears.
3. Press ▲ or ▼ to highlight CH LABEL.
4. Press ▶ to display the CH LABEL menu. SET/CLEAR will be high-lighted.
5. Press ◀ or ▶ to highlight SET.
6. Press ENTER to highlight LABEL.
7. Press ◀ or ▶ to enter a character in the first space. Press the button repeatedly until the character you want appears on the screen. Press ENTER.
8. Repeat step 7 to enter the rest of the characters. If you would like a blank space in the label name, you must choose an empty space from the list of characters; otherwise, a dash will appear in that space.
9. Repeat steps 1-8 for other channels. You can assign a label to each channel.
10. Press EXIT to return to normal viewing.
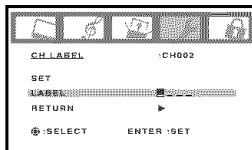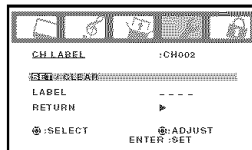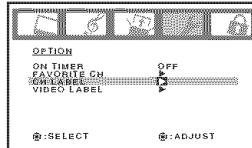
*Note:*

*The character will change as below.*

$$- \longleftrightarrow 0\cdots9 \longleftrightarrow A\cdots Z$$

$$\longleftrightarrow \text{SPACE} \longleftrightarrow + \longleftrightarrow -$$

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

Channel Numbers

Enter

▲▼◀▶

Exit
Menu

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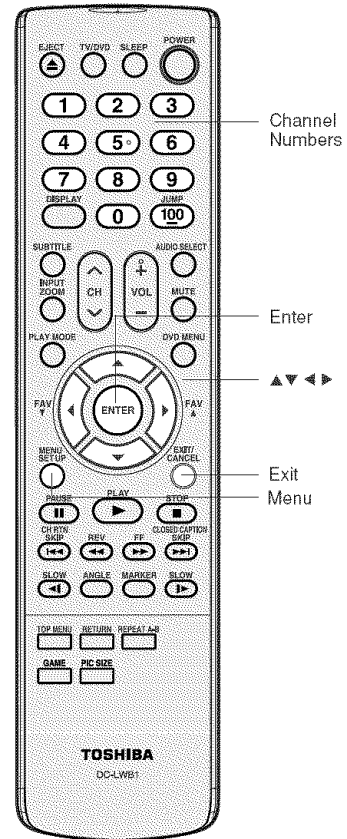
## Selecting the video input source

Press INPUT to view a signal from another device connected to your TV/DVD, such as a VCR or DVD player. You can select ANT, VIDEO 1, VIDEO 2, ColorStream HD, HDMI or PC depending on which input jacks you used to connect your devices (see "Connecting your TV/DVD" on page 11).

```
SOURCE SELECTION
0: ANT
1. VIDEO1
2. VIDEO2
3. ColorStream HD
4. HDMI
5. PC

[0-5] : SELECT
```

Pressing INPUT on the remote control displays the current signal source (press INPUT again or 0-5 to change)

*Please note the following regarding the HDMI source selection:*
*The HDMI IN jack is not intended for connection to and should not be used with a PC (personal computer). See "Connecting an HDMI or a DVI device to the HDMI input" on page 17 and "Connecting a PC" on page 20 for details.*

You also can use the Channel ∧ / ∨ buttons to select the video input source. In addition to cycling through your programmed channels (page 24), the Channel ∧ / ∨ buttons will also cycle through the video input sources, in the order illustrated below.

```
ANT (programmed channel) ←→ VIDEO1 ←→ VIDEO2
                                            
PC ←→ HDMI ←→ ColorStream HD ←→ GAME
```

## Labeling the video input sources

The video label feature allows you to label each input source for your TV/DVD from the following preset list of labels:

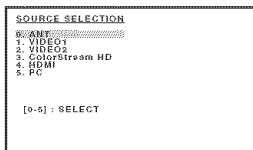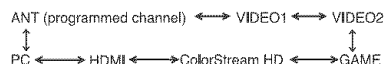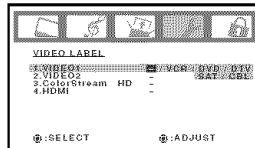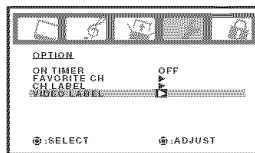| -- | : | Uses the default label name |
| VCR | : | Video cassette recorder |
| DVD | : | DVD video |
| DTV | : | Digital TV set-top box |
| SAT | : | Satellite box |
| CBL | : | Cable box |

**To label the video input sources:**
1. Press MENU, then press ◀ or ▶ to display the OPTION menu.
2. Press ▲ or ▼ to highlight VIDEO LABEL.
3. Press ▶ to display the VIDEO LABEL menu.
4. Press ▲ or ▼ to highlight the video source you want to label.
5. Press ◀ or ▶ to select the desired label for that input source.
6. Press EXIT to return to normal viewing.

```
OPTION
ON TIMER          OFF
FAVORITE CH       ▶
CH LABEL          ▶
VIDEO LABEL       ▶

☺:SELECT          ☺:ADJUST
```

```
VIDEO LABEL
1.VIDEO1          VCR / DVD / DTV
2.VIDEO2          SAT / CBL
3.ColorStream HD  --
4.HDMI            --

☺:SELECT          ☺:ADJUST
```

## Setting the clock

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

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

```
SETUP
LANGUAGE          ENGLISH
CLOCK SET         8:00AM
TV / CABLE        CABLE
CH PROGRAM        ▶
ADD / ERASE       ADD

☺:SELECT          ☺:ADJUST
```

```
SETUP
LANGUAGE          ENGLISH
CLOCK SET         8:00AM
TV / CABLE        CABLE
CH PROGRAM        ▶
ADD / ERASE       ADD

☺:SELECT          ☺:ADJUST
```



INPUT

▲▼◀▶

Exit
Menu

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

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## Setting the ON timer

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

**To set the on timer: (Example: Turning on the TV/DVD to channel 012 at 6:30 AM, DAILY)**

1. Set the clock, if you have not already done so (see page 31).
2. Press MENU, then press ◀ or ▶ to display the OPTION menu.
3. Press ▲ or ▼ to highlight ON TIMER.
4. Press ◀ or ▶ to highlight SET, then press ENTER. The ON TIMER menu appears. Press ▶ to set the time.
5. Press ▲ or ▼ to set the desired hour, then press ▶.

```
ON TIMER
ON TIMER        ▶
    6:00AM      CH000
                CLEAR
RETURN          ▶
⊕:SELECT        ⊕:ADJUST
```
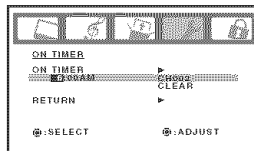
6. Set the desired minutes and channel, as in step 5.

```
ON TIMER
ON TIMER        ▶
    6:30AM      CH002
                CLEAR
RETURN          ▶
⊕:SELECT        ⊕:ADJUST
```
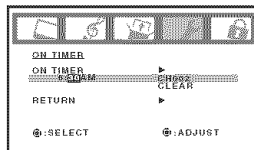
7. Press ▶ to select ONCE or DAILY.
8. Press EXIT to return to normal viewing.

```
ON TIMER
ON TIMER        ▶
    6:30AM      CH012
    ONCE/DAILY/CLEAR
RETURN          ▶
⊕:ADJUST        ENTER : SET
```
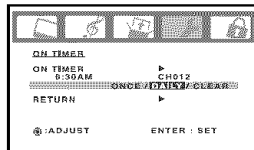
**To cancel the on timer:**
Select CLEAR in step 7 above.
Press EXIT to return to normal viewing.

Enter

▲ ▼ ◀ ▶

Exit

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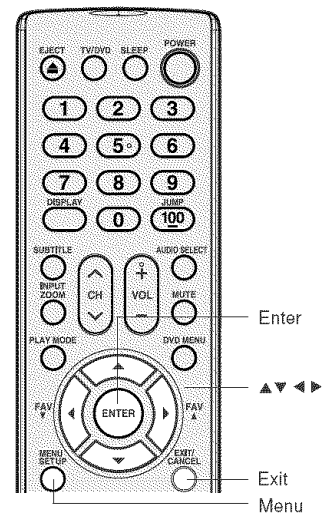
*Note:*
*After a power failure or disconnection of the power, the timer settings will be lost.*

**Using the TV/DVD's Features**

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

You can view 480i and 480p format programs in a variety of picture sizes—Natural, TheaterWide, and Full.

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

### Selecting the picture size

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

```
PICTURE SIZE
0. NATURAL
1. THEATER WIDE
2. FULL


[0-2] : SELECT
```
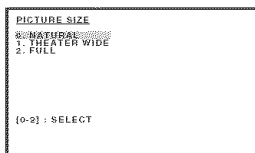
### Natural picture size

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

Natural picture size example: The way the image displays will vary depending on the format of the program you are currently watching.
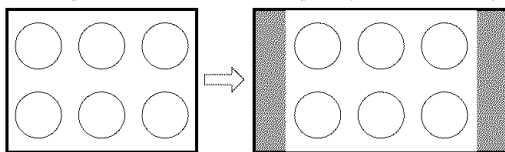
Conventional (4:3) picture on a conventional TV screen

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

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

• The center of the picture remains close to its original proportion, but the left and right edges are stretched wider to fill the screen.
• The top and bottom edges of the picture may be hidden.
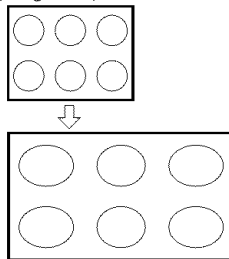
TheaterWide picture size example

### Full picture size (for 16:9 source programs)

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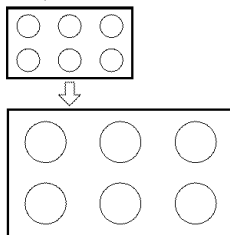
Full picture size example
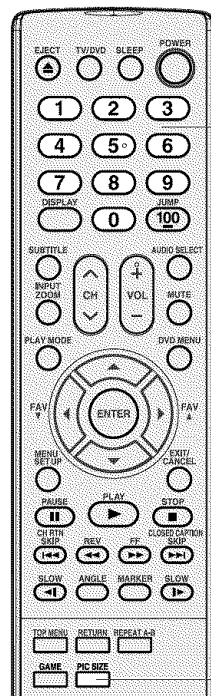
Channel Numbers

Pic Size

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

```
SETUP
CLOSED CAPTION     OFF
PICTURE SIZE       FULL
CINEMA MODE        FILM
ASPECT             ON
BACK LIGHTING      16

:SELECT         :ADJUST
```
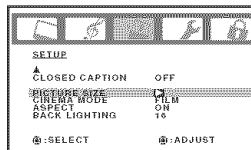
*Notes:*
*• The PICTURE SIZE feature is not available for some program formats (such as 1080i or 720p). Such formats will display in Full picture size.*
*• Using these functions to change the picture size (i.e., changing the height/ width ratio) for any purpose other than your private viewing may be prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.*

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## Selecting the cinema mode

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

**To set the CINEMA MODE to FILM:**
1. Press MENU, then press ◀ or ▶ until the SETUP menu appears.
2. Press ▲ or ▼ to highlight CINEMA MODE, then press ◀ or ▶ to select FILM.

```
                    FILM
SETUP
▲
CLOSED CAPTION      OFF
PICTURE SIZE        ▶
CINEMA MODE         FILM/VIDEO
ASPECT              ON
BACK LIGHTING       16

⊕:SELECT            ⊕:ADJUST
```
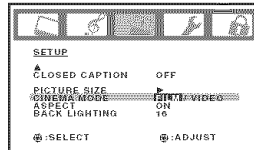
**To set the CINEMA MODE to VIDEO:**
Press ◀ or ▶ to select VIDEO in step 2 above.

## Using the ASPECT feature

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

| Aspect ratio of signal source | Automatic aspect size (automatically selected when ASPECT is ON) |
|---|---|
| 4:3 Normal | Natural |
| 16:9 Full | Full |
| 4:3 Letter box | TheaterWide |
| Not defined | User-set mode |

If the signal does not include aspect information, the picture size you selected on pages 33 is displayed.

**To turn on the ASPECT feature:**
1. Press MENU, then press ◀ or ▶ until the SETUP menu appears.
2. Press ▲ or ▼ to highlight ASPECT, then press ◀ or ▶ to select ON.

```
SETUP
▲
CLOSED CAPTION      OFF
PICTURE SIZE        ▶
CINEMA MODE         FILM
ASPECT              ON / OFF
BACK LIGHTING       16

⊕:SELECT            ⊕:ADJUST
```

Using the TV/DVD's Features

▲▼◀▶

Menu

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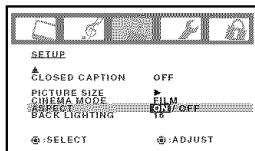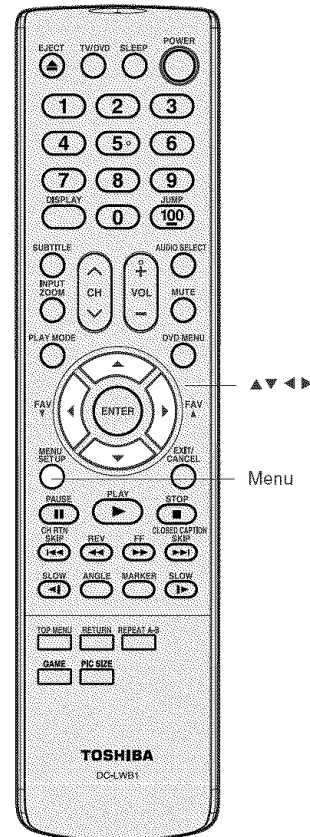
## Setting the sleep timer

You can set the TV/DVD so it turns off automatically.

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

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

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

## Using the closed caption feature

The Closed Caption feature has two options:
- Captions—An on-screen display of the dialogue, narration, and sound effects of programs and videos that are closed-captioned (usually identified in your local TV listing as "CC").
- Text—An on-screen display of information not related to the program, such as weather or stock data (if available in your viewing area).

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

```
SETUP
CLOSED CAPTION      OFF   C1/C2/T1/T2/OFF
PICTURE SIZE
CINEMA MODE         FILM
ASPECT              ON
BACK LIGHTING       16
⊕:SELECT          ⊕:ADJUST
```
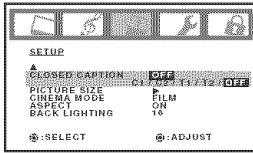
4. Press ◄ or ► to select the desired Closed Caption mode, as follows:
   - To view captions, select C1 or C2 (C1 displays translation of the primary language in your area).
   Note: If the program or video you selected is not closed-captioned, no captions will display on-screen.
   - To view text, select T1 or T2.
   Note: If text is not available in your viewing area, a black rectangle may appear on-screen. If this happens, set the Closed Caption feature to OFF.
   - To turn the Closed Caption feature off, highlight OFF in the Closed Caption menu.

Sleep

▲▼◄►

Menu

Closed Caption

TOSHIBA
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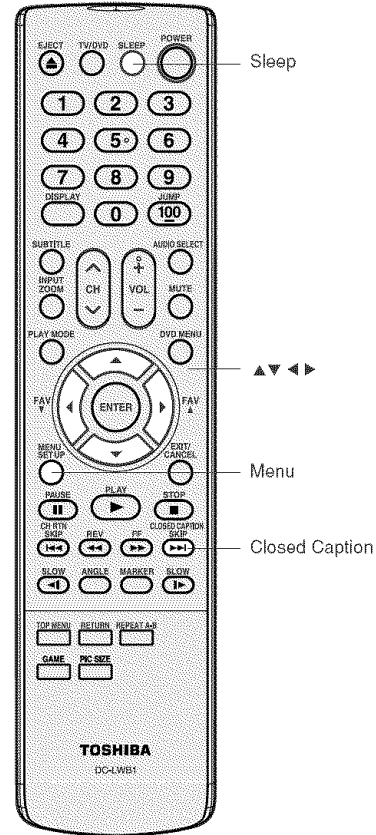
### Notes:
- A closed caption signal may not be decoded in the following situations:
  - *when a video tape has been dubbed*
  - *when the signal reception is weak*
  - *when the signal reception is non-standard*
- You also can use the CLOSED CAPTION button to view caption or text.
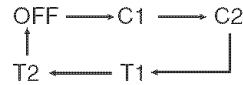
OFF ⟶ C1 ⟶ C2
 ↑
T2 ⟵ T1 ⟵

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## Adjusting the picture

### Selecting the picture mode

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

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

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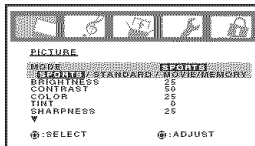
```
PICTURE
MODE              SPORTS
SPORTS/STANDARD/MOVIE/MEMORY
BRIGHTNESS        25
CONTRAST          50
COLOR             25
TINT              0
SHARPNESS         25
▼
⊕:SELECT          ⊕:ADJUST
```

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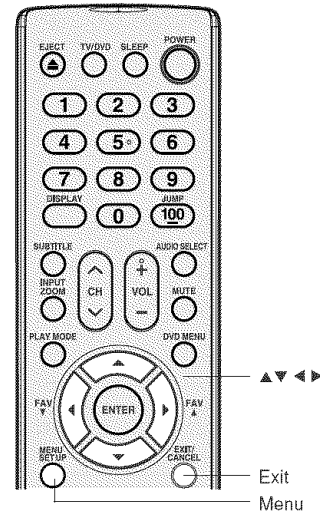
### Adjusting the picture quality

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

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

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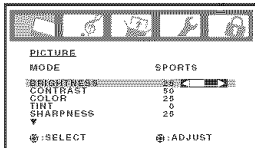
3. Press ◄ or ► to adjust the level.

| Selection | ◄ Pressing ► | |
| --- | --- | --- |
| BRIGHTNESS | darker | lighter |
| CONTRAST | lower | higher |
| COLOR | paler | deeper |
| TINT | reddish | greenish |
| SHARPNESS | softer | sharper |

4. Press EXIT to return to normal viewing.

▲▼ ◄►
Exit
Menu

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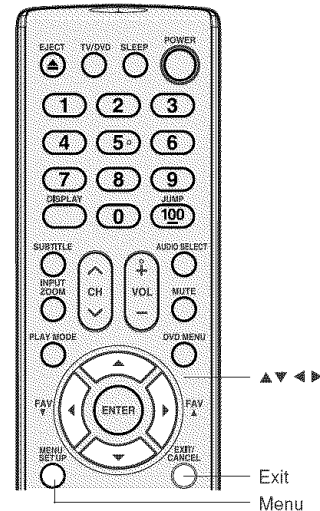
## Using the CableClear® feature

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

**To turn on the CableClear® feature:**
1. Press MENU, then press ◄ or ► to display the PICTURE menu.
2. Press ▲ or ▼ to highlight CableClear.

```
PICTURE
CableClear          ON/OFF
COLOR
TEMPERATURE         COOL
RESET               ►

    :SELECT              :ADJUST
```
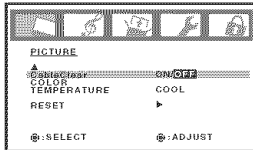
3. Press ◄ or ► to select ON.

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

### Selecting the color temperature

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

| Mode | Picture Quality |
|------|-----------------|
| COOL | Blueish |
| MEDIUM | Neutral |
| WARM | Reddish |

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

```
PICTURE
CableClear          OFF
COLOR
TEMPERATURE         COOL/MEDIUM/WARM
RESET               ►

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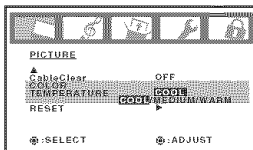
3. Press ◄ or ► to highlight the mode you prefer.
4. Press EXIT to return to normal viewing.

### Resetting your picture adjustments

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

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

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

```
PICTURE
CableClear          OFF
COLOR
TEMPERATURE         COOL
RESET               ►

    :SELECT              :ADJUST
```

▲▼ ◄►

Exit
Menu

▲▼ ◄►

Menu

37
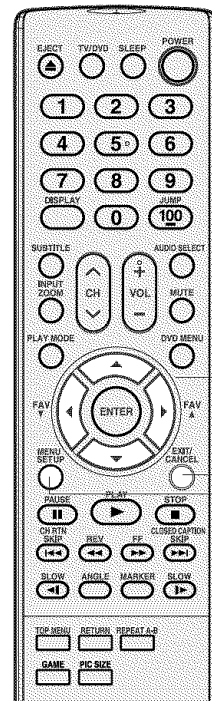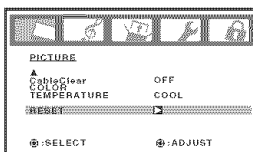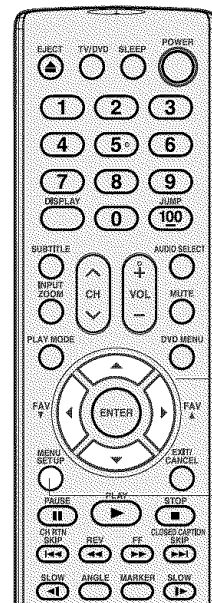
## Adjusting the sound

### Muting the sound

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

### Selecting stereo/SAP broadcasts

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

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

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

```
AUDIO
MTS                STR/SAP/MONO
BASS               25
TREBLE             25
BALANCE            0
STABLE SOUND       OFF
▼
⊕:SELECT           ⊕:ADJUST
```

4. Press EXIT to return to normal viewing.

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

### Adjusting the sound quality

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

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

```
AUDIO
MTS                STEREO
BASS               25
TREBLE             25
BALANCE            0
STABLE SOUND       OFF
▼
⊕:SELECT           ⊕:ADJUST
```
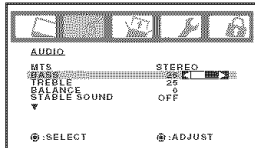
3. Press ◀ or ▶ to adjust the level.
  • ◀ makes the sound quality weaker or decreases the balance in the right channel, depending on the item selected.
  • ▶ makes the sound quality stronger or decreases the balance in the left channel, depending on the item selected.

— Display
— Mute

▲▼◀▶

— Exit
— Menu
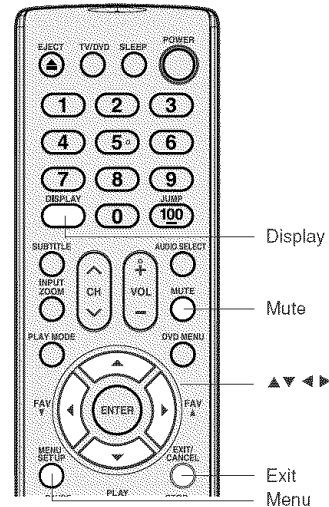
*Note:*
*A second audio program (SAP) can be heard only on those TV stations that offer it.*

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

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

*Note:*
*Adjusting the sound quality (bass, treble and balance) does not affect the sound that is output from the headphone jack.*

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## Resetting your audio adjustments

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

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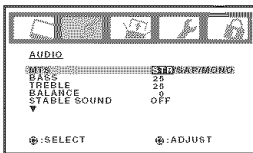Treble .............. center (25)
Balance ........... center (0)

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

```
          AUDIO
          ▲
          WOW SRS 3D      OFF
               FOCUS      OFF
               TruBass    OFF
          HDMI            HDMI
          RESET           ►

          ⊕:SELECT        ⊕:ADJUST
```

## Using the StableSound® feature

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

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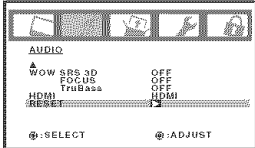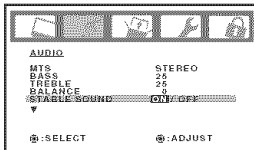1. Press MENU, then press ◄ or ► to display the AUDIO menu.
2. Press ▲ or ▼ to highlight STABLE SOUND.
3. Press ◄ or ► to highlight ON.

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

          ⊕:SELECT        ⊕:ADJUST
```

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

## Using the WOW™ surround sound feature

WOW is a special combination of SRS Labs audio technologies that creates a thrilling surround sound experience with deep, rich bass from stereo sound sources. Your TV/DVD's audio will sound fuller, richer, and wider. WOW consists of three features; SRS 3D, FOCUS, and TruBass.

**To adjust the WOW feature:**
1. Select STEREO mode (see "selecting stereo/SAP broadcasts" on page 38).
2. Press MENU, then press ◄ or ► to display the AUDIO menu.
3. Press ▼ or ▲ to highlight the desired WOW feature you want to adjust.
   • SRS 3D — To turn on or off the surround sound effect.
   • FOCUS — To turn on or off the vocal emphasis effect.
   • TruBass — To select your desired bass expansion level (HIGH, LOW or OFF).

```
          AUDIO
          ▲
          WOW SRS 3D      ON / OFF
               FOCUS      OFF
               TruBass    OFF
          HDMI            HDMI
          RESET           ►
          ⊕:SELECT        ⊕:ADJUST
```
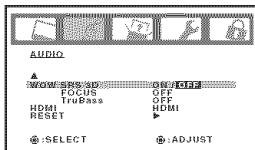
4. Press ◄ or ► to adjust the item.

WOW, SRS and (●) symbol are trademarks of SRS Labs, Inc.
WOW technology is incorporated under license from SRS Labs, Inc.



Menu

▲▼◄►

*Notes:*
• *If the broadcast is monaural, the SRS 3D effect will not work.*
• *The headphone jack do not output any of the WOW audio features.*



Menu

▲▼◄►

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## Selecting the HDMI audio input source

See page 17 for details on connecting an HDMI or a DVI device to the TV/DVD's HDMI input. If you connect a DVI device, to hear audio you must also connect the analog audio cables to the HDMI audio IN jacks (see page 17). Set the HDMI audio input setting to "DVI" with this connection. If you connect an HDMI device and play media with digital audio output, to hear digital audio set the HDMI audio input setting to "HDMI" with this connection. If you connect an HDMI device but play media with analog audio output (for example, certain CDVs do not output digital audio), to hear audio you must also connect the analog audio cables to the HDMI audio IN jacks (see page 17). Set the HDMI audio input setting to "DVI" with this connection.

**To select the HDMI audio input source:**
1. Press MENU, then press ◀ or ▶ to display the AUDIO menu.
2. Press ▼ or ▲ to highlight HDMI.
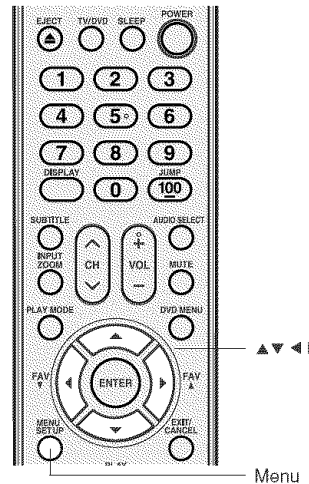3. Press ◀ or ▶ to select HDMI or DVI.

```
AUDIO
▲
WOW SRS 3D       OFF
    FOCUS        OFF
    TruBass      OFF
HDMI             HDMI/DVI
RESET            ▶

⊕ :SELECT        ⊕ :ADJUST
```

## Adjusting the back lighting feature

If your TV/DVD is in a bright room, the screen image may be difficult to see. You can use the BACK LIGHTING feature to adjust the screen brightness for improved picture clarity.

**To adjust the back lighting:**
1. Press MENU, then press ◀ or ▶ until the SETUP menu appears.
2. Press ▲ or ▼ to highlight BACK LIGHTING.

```
SETUP
▲
CLOSED CAPTION   OFF
PICTURE SIZE     ▶
CINEMA MODE      FILM
ASPECT           ON
BACK LIGHTING    15

⊕ :SELECT        ⊕ :ADJUST
```

3. Press a ◀ or ▶ to adjust the screen brightness.

## Displaying on-screen information

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

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

                      ANT
FULL                  ABCD
      CLOCK 12:00AM CABLE 002
```

## Auto power off

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

## Understanding the Power Return feature

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

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

Menu

*Note:*
*The cold cathode fluorescent lamp used for the back light on this TV/DVD has a limited life. When areas on the screen darken, flicker, or no longer light up, the lamp may be at the end of its life. Contact your nearest Toshiba Authorized Service Station.*
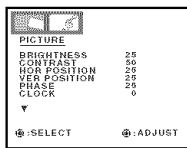
Display

Menu

**40**

## Picture/Audio adjustments in the PC mode

There are a number of picture settings you can adjust to optimize the performance of the unit in PC mode.

PICTURE Menu      AUDIO Menu

| PICTURE | |
|---|---|
| BRIGHTNESS | 25 |
| CONTRAST | 50 |
| HOR POSITION | 25 |
| VER POSITION | 25 |
| PHASE | 25 |
| CLOCK | 0 |
| ▼ | |
| ⊕:SELECT | ⊕:ADJUST |

| AUDIO | |
|---|---|
| BASS | 25 |
| TREBLE | 25 |
| BALANCE | 0 |
| STABLE SOUND | OFF |
| WOW SRS 3D | OFF |
| FOCUS | OFF |
| TruBass | OFF |
| RESET ► | |
| ⊕:SELECT | ⊕:ADJUST |

**Example:** Adjust the contrast.
1. During PC mode, press MENU, then press ◄ or ► to display the PICTURE menu.
2. Press ▲ or ▼ to select CONTRAST.
3. Press ◄ or ► to adjust CONTRAST.
4. Press EXIT to return to normal viewing.

### DESCRIPTION ABOUT EACH SETTING OPTION
#### PICTURE menu

| | |
|---|---|
| **BRIGHTNESS:** | To adjust the brightness of PC Monitor screen. |
| **CONTRAST:** | To adjust the contrast of PC Monitor screen. |
| **HOR POSITION:** | To adjust the horizontal position of the image on the PC Monitor screen. Each video standard will require a different value for this setting. |
| **VER POSITION:** | To adjust the vertical position of the image on the PC Monitor screen. Each video standard will require a different value for this setting. |
| **PHASE:** | This must be adjusted after the frequency has been set to optimize picture quality. |
| **CLOCK:** | To minimize any vertical bars or stripes visible on the screen background. |
| **RED/GREEN/BLUE:** | To adjust the color temperature of the PC Monitor screen. |
| **WXGA INPUT:** | Set to ON, when you select the WXGA mode on the PC. |


— Exit
— Menu

#### AUDIO menu

| | |
|---|---|
| **BASS/TREBLE/BALANCE:** | To adjust the sound quality of PC mode. |
| **STABLE SOUND:** | To turn on or off the StableSound® feature in PC mode. |
| **WOW SRS 3D:** | To turn on or off the surround effect in PC mode. |
| **WOW FOCUS:** | To turn on or off the vocal emphasis effect in PC mode. |
| **WOW TruBass:** | To select your desired bass expansion level (HIGH, LOW or OFF) in PC mode. |

## Resetting your picture/audio adjustments in the PC mode

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

PICTURE menu
Brightness ............ center (25)
Contrast .............. max (50)
Red ...................... center (25)
Green .................. center (25)
Blue...................... center (25)

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

**To reset your picture adjustments:**
1. Press MENU during PC mode.
2. Press ◄ or ► to select the desired menu.
3. Press ▲ or ▼ to highlight RESET, and then press ►.
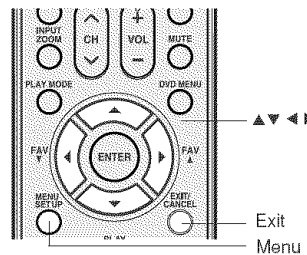
41

# DVD Playback

## Playing a disc

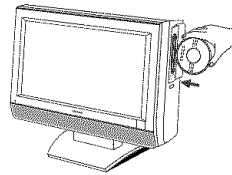This section shows you the basics on how to play a disc.

**Basic playback** (DVD) (VCD) (CD)

Preparations: When connecting to other equipment, turn the power off.

1. Press POWER on the unit or on the remote control to turn on the unit.
   The Power indicator will light.
   • Every time you press POWER, the TV/DVD starts from TV mode.
   • When using an amplifier, switch on the amplifier.
2. Press TV/DVD on the remote control to select DVD mode.
   The DVD startup screen will appear on the screen. (If DVD disc has already loaded, playback will start automatically.)
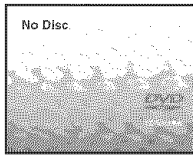
3. Load the disc in the disc slot with the label side facing forward. (If the disc has a label.) Hold the disc without touching either of its surfaces, align it with the guides, and place it in position.
   *Note:*
   When you playback the 8cm disc, you need an adapter (not supplied).
4. On the TV screen, "No Disc" changes to "Reading" and then playback commences.
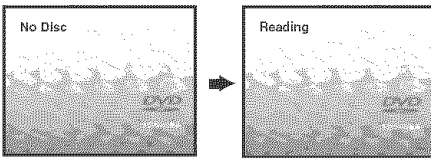
   • A menu screen will appear on the TV screen, if the disc has a menu feature.
     Press ▲/▼ or ◄/► to select title, then press ENTER. Title is selected and play commences.
5. Press VOL + or – to adjust the volume.

6. Press STOP to end playback.

**Resume feature**
• Depending on the disc you are playing, when you press STOP one time, the TV/DVD remembers the scene that was playing ("▶" appears on screen). Press PLAY to resume playback from the stopped scene.
• If you press STOP again or eject the disc, the unit will clear the stopped scene ("■" appears on screen).

---

**CAUTION**
Keep your fingers well clear of the disc slot when disc is loading or unloading. Neglecting to do so may cause serious personal injury.

Power
TV/DVD

Volume +/–

Enter

▲▼ ◄►

Play

Stop
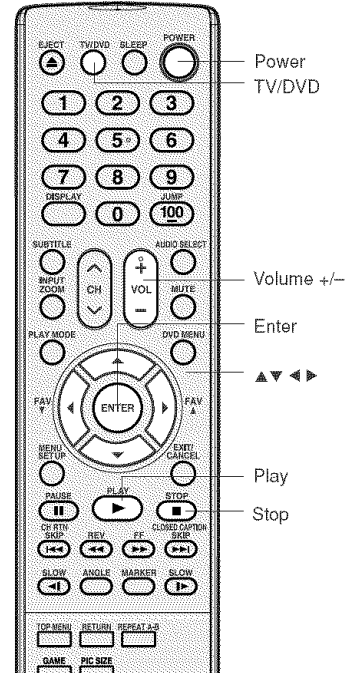
*Note:*
*Static electricity may affect the DVD player's operation and cause it to not work properly. If this happens, turn OFF the POWER, disconnect and then reconnect the AC power cord, and turn ON the unit again.*

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## About (DVD)(VCD)(CD)

The (DVD)(VCD)(CD) icons on the heading bar show the playable discs
for the function described under that heading.

(DVD) : You can use this function with DVD video discs.

(VCD) : You can use this function with Video CDs.

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

### To start playback in the stop mode
Press PLAY.

### To pause playback (still mode)
Press PAUSE during playback.
To resume normal playback, press PLAY.
• The sound is muted during still mode.

### To stop playback
Press STOP.

### To remove the disc
Press EJECT.
Remove the disc after the disc comes
out.
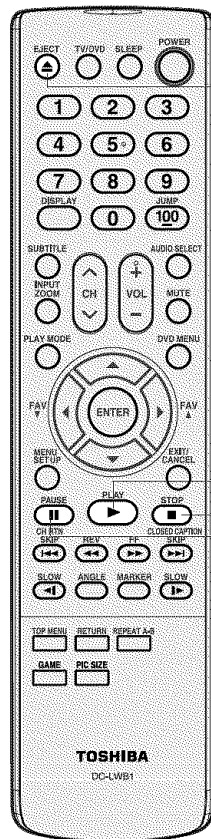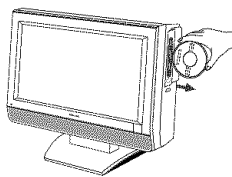
Eject

Play
Stop
Pause

TOSHIBA
DC-LWB1

*Notes:*
• *If a non-compatible disc is loaded, "Incorrect Disc", "Region Code Error" or "Parental Error" will appear on the TV screen according to the type of loaded disc. In this case, check your disc again (see pages 8 and 57).*
• *Some discs may take a minute or so to start playback.*
• *If you insert a single-sided disc the wrong way, "Reading" will appear on the display for about 1 minute and then "Incorrect Disc" will continue to be displayed.*
• *Some discs may not resume playing the same scene after stopping.*
• *Resuming cannot function when you play a PBC-featured Video CD while the PBC is on. To turn off the PBC, see page 51.*
• *Some playback operations of DVDs may be intentionally fixed by software producers. Since this unit plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Also refer to the instructions supplied with the DVDs.*
• *Do not move the unit during playback. Doing so may damage the disc.*
• *Use EJECT on the unit to unload and eject the disc. Do not push the disc while it is moving. Doing so may cause the unit to malfunction.*
• *Do not put any objects other than discs in the disc slot. Doing so may cause the unit to malfunction.*
• *When you press a button, there may be a slight delay before the function activates.*

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## Playing in fast reverse or fast forward directions
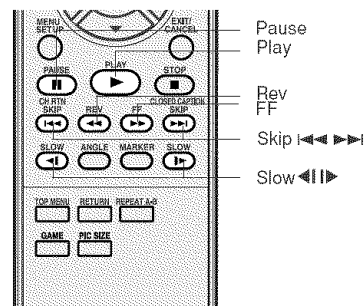DVD VCD CD

Press REV or FF during playback.
REV:  Fast reverse playback
FF:    Fast forward playback
Each time you press REV or FF, the playback speed changes.

**To resume normal playback**
Press PLAY.

Pause
Play

Rev
FF

Skip ◄◄ ►►

Slow ◄|  |►

*Notes:*
* *The TV/DVD mutes sound and subtitles during reverse and forward scan of DVD video discs. However, the TV/DVD plays sound during fast forward or fast reverse play of audio CDs.*
* *The playback speed may differ depending on the disc.*

## Playing frame by frame DVD VCD

Press PAUSE during still 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 ◄| (REVERSE) or |► (FORWARD) during playback.
Each time you press the button, the slow-motion speed changes.

**To resume normal playback**
Press PLAY.

*Notes:*
* *The sound is muted during slow-motion playback.*
* *The Video CD cannot play Reverse Slow.*

## Locating a chapter or track DVD VCD CD

Press SKIP ◄◄ or ►►I repeatedly to display the chapter or track number you want.
Playback starts from the selected chapter or track.

SKIP ►►I: To locate succeeding chapters or tracks.

SKIP I◄◄: Playback starts from the beginning of the current chapter or track. When you press twice in quick successions, playback starts from the beginning of the preceding chapter or track.
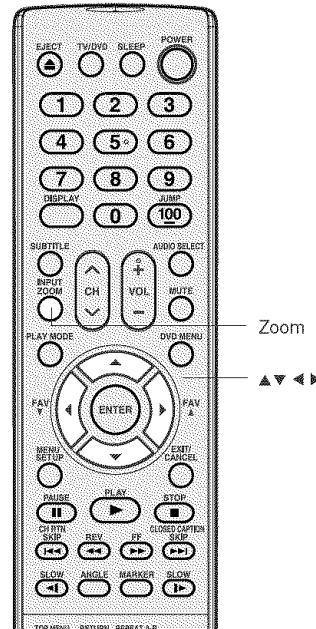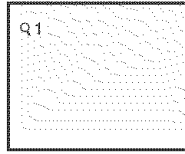
*Note:*
*A "Prohibition" symbol ⊘ may appear at the upper left of the screen. This symbol means either the feature you tried is not available on the disc, or the TV/DVD cannot access the feature at this time. This does not indicate a problem with the TV/DVD.*

**DVD Playback**

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## Zooming DVD VCD

This unit will allow you to zoom in on the frame image. You can then make selections by switching the position of the frame.

1. Press ZOOM during playback.
   The center part of the image will be zoomed in.
   Each press of ZOOM will change the ZOOM
   Q 1 (x 1.3), Q 2 (x 1.5) and Q 3 (x 2.0).

2. Press ▲/▼/◄/► to view a different part of the frame.
   You may move the frame from the center position to UP, DOWN, LEFT or RIGHT direction.

3. In the zoom mode press ZOOM repeatedly to return to a 1:1 view
   ( Q Off).

Zoom

▲▼ ◄►

### Notes:
* You can select the Pause, Slow or Search playback in the zoom mode.
* Some discs may not respond to zoom feature.

## Locating desired scene DVD VCD CD

Use the title, chapter and time recorded on the disc to locate the desired point to play back.
To check the title, chapter and time, press DISPLAY.

1. Press JUMP during playback or stop mode.

   | Jump | Time | : | |
   | | Title | : | |
   | | Chapter | : | |
   | ▲▼/Enter/0–9/Cancel/Jump |

2. Press ▲ or ▼ to select the "Time", "Title" or "Chapter".

   | Jump | Time | : | ―:―:― |
   | | Title | : | ― |
   | | Chapter | : | |
   | ▲▼/Enter/0–9/Cancel/Jump |

3. Press Number buttons (0–9) to change the number.
   • If you input a wrong number, press CANCEL.
   • Refer to the package supplied with the disc to check the numbers.

   | Jump | Time | : | ―:―:― |
   | | Title | : | ― |
   | | Chapter | : | 1/2 |
   | ▲▼/Enter/0–9/Cancel/Jump |

4. Press ENTER. Playback starts.
   • When you change the title, playback starts from Chapter 1 of the selected title.
   • Some discs may not work in the above operation.

Number buttons

Jump
Display

Enter

▲▼

Cancel
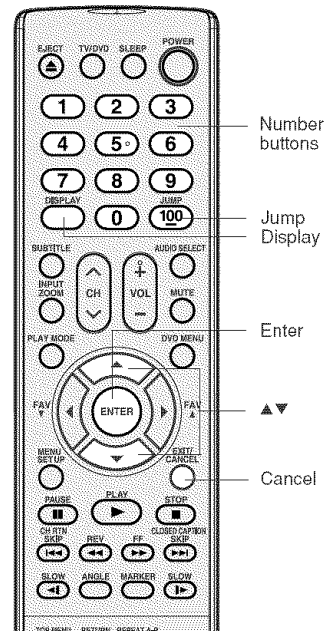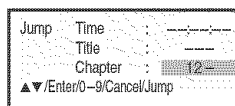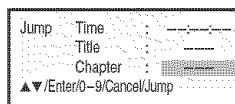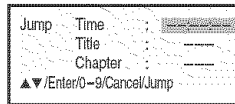
### Note:
In case of the Video-CD playback with PBC, the JUMP does not work. To turn off PBC, see page 51.

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## Marking desired scenes (DVD) (VCD)

The unit stores the points that you want to watch again up to 3 points. You can resume playback from each scene.

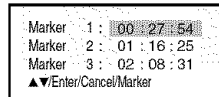### Marking the scenes

1. Press MARKER during playback.

   Marker 1 : **:**:**
   Marker 2 : **:**:**
   Marker 3 : **:**:**
   ▲▼/Enter/Cancel/Marker
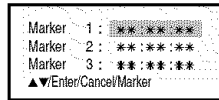
2. Select the blank Marker using ▲ or ▼. Then press ENTER at the desired scene.
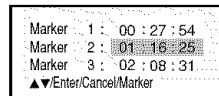   • Repeat this procedure to set the other 2 scenes.

   Marker 1 : 00 : 27 : 54
   Marker 2 : **:**:**
   Marker 3 : **:**:**
   ▲▼/Enter/Cancel/Marker
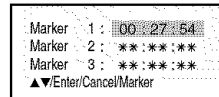
3. Press MARKER to remove this display.

Enter

▲▼

Marker

**Notes:**
• Some discs may not work with the marking operation.
• The marking is canceled when you eject the disc or turn the power off.
• Some subtitles recorded around the marker may fail to appear.

### Returning to the scenes

1. Press MARKER during playback or stop mode.

   Marker 1 : 00 : 27 : 54
   Marker 2 : 01 : 16 : 25
   Marker 3 : 02 : 08 : 31
   ▲▼/Enter/Cancel/Marker

2. Press ▲ or ▼ to select the Marker 1-3.

   Marker 1 : 00 : 27 : 54
   Marker 2 : 01 : 16 : 25
   Marker 3 : 02 : 08 : 31
   ▲▼/Enter/Cancel/Marker

3. Press ENTER.
   Playback starts from the marked scene.

■ **To cancel the Marker**
Follow the above steps 1~2, then press CANCEL.

Enter

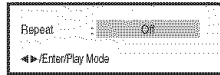▲▼

Cancel

Marker

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DVD Playback

## Repeat playback (DVD) (VCD) (CD)

1. Press PLAY MODE during playback or stop mode.
2. [DVD]
   Press ◀ / ▶ or ENTER once or twice to
   select "Chapter" or "Title".
   The unit automatically starts repeat
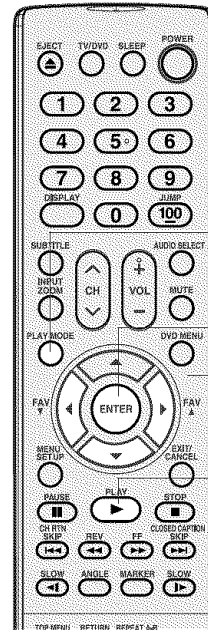   playback after finishing the current title or
   chapter.

   | Repeat : Off |
   | --- |
   | ◀▶/Enter/Play Mode |

   [Audio CD, Video CD]
   Press ▼ to select "Repeat".
   Press ◀ / ▶ or ENTER once or twice to select "Track" or "All".
   The unit automatically starts repeat
   playback after finishing the current track.
   • If you set the repeat mode during stop
   mode, press PLAY to start Repeat
   playback.

   | Play Mode : Off |
   | --- |
   | Repeat : Off |
   | ◀▶▲▼/Enter/Play Mode |

3. Press PLAY MODE again to make the screen disappear.

**To resume normal playback**
Select Repeat : "Off" in step 2.
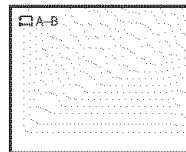
## A-B Repeat playback (DVD) (VCD) (CD)

A-B repeat playback allows you to repeat material between two selected
points.
1. Press REPEAT A-B during playback.
   The start point is selected.
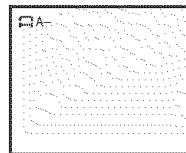
2. Press REPEAT A-B again.
   The end point is selected. Playback starts at
   the point that you selected. Playback stops at
   the end point, returns to Point A automatically,
   then starts again.

**To resume normal playback**
Press REPEAT A-B again.
"⟦⟧ Off" appears on the screen.

Play Mode

Enter

▼ ◀ ▶

Play

*Notes:*
• *Some discs may not work with the repeat
operation.*
• *In case of Video CD with PBC, repeat
functions are prohibited during playback.*
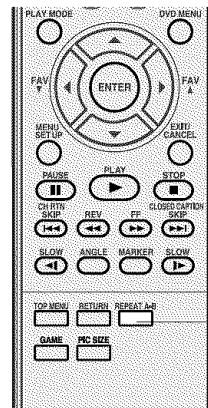
Repeat A-B

*Notes:*
• *In A-B Repeat mode, subtitles near the A or
B locations may not be displayed.*
• *You cannot set the A-B Repeat for the
scenes that include multiple angles.*
• *A-B Repeat playback does not work when
Repeat playback is activated.*
• *You may not be able to set A-B Repeat,
during certain scenes of the DVD.*
• *A-B Repeat does not work with an interac-
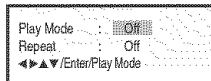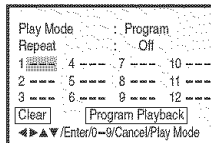tive DVD, MP3/WMA/JPEG CD.*
• *A-B Repeat is prohibited when PBC is on.*

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## Program playback (VCD) (CD)

You can arrange the playback order of tracks or files on the disc.

1. Press PLAY MODE in the stop mode.

| Play Mode : Off |
|---|
| Repeat : Off |
| ◀▶▲▼/Enter/Play Mode |

2. Press ▲ or ▼ to select Play Mode, then press ◀/▶ or ENTER to select "Program".

| Play Mode : Program |
|---|
| Repeat : Off |
| 1 4 — 7 — 10 — |
| 2 — 5 — 8 — 11 — |
| 3 — 6 — 9 — 12 — |
| [Clear] [Program Playback] |
| ◀▶▲▼/Enter/0–9/Cancel/Play Mode |

3. Press ▲/▼/◀/▶ to select the programming position. Use Number buttons (0–9) to input the Track or file numbers.
   • To program others, repeat step 3.
   • If you input a wrong number, press CANCEL.

| Play Mode : Program |
|---|
| Repeat : Off |
| 1 9— 4 — 7 — 10 — |
| 2 3— 5 — 8 — 11 — |
| 3 6 — 9 — 12 — |
| [Clear] [Program Playback] |
| ◀▶▲▼/Enter/0–9/Cancel/Play Mode |
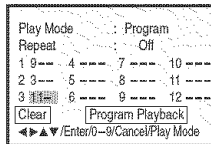
4. Press ▲/▼/◀/▶ to select "Program Playback" and press ENTER. The programs you selected will start to playback in the order.
   • In case of JPEG file, press SKIP ▶▶I to continue the program playback.
   • To resume normal playback, select Play Mode: "Off" in step 2.

| Play Mode : Off |
|---|
| Repeat : Off |
| ◀▶▲▼/Enter/Play Mode |
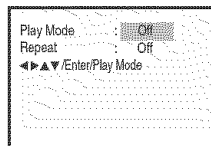
**To change the program**
1. In the program mode, press ▲/▼/◀/▶ to select the track number.
2. Press Number buttons (0–9) to select the track number to be replaced.

**To clear the program one by one**

In the program mode, press ▲/▼/◀/▶ to select the track number. Then press CANCEL.

**To clear all the programs**

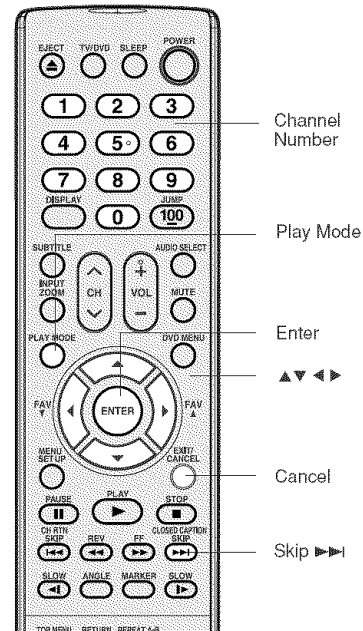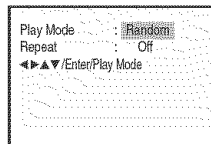In the program mode, press ▲/▼/◀/▶ to select "Clear". Then press ENTER.

## Random playback (VCD) (CD)

The unit selects tracks or files at random and playback.

1. Press PLAY MODE during playback or stop mode.
2. Press ▲/▼ to select Play Mode, then press ◀/▶ or ENTER to select "Random".
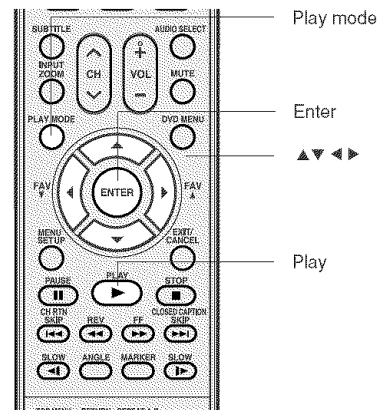3. Press PLAY.
   The Random Playback will start.
   • If you set "Random" during playback mode, Random playback will begin after the track that is currently being played has ended.
   • To resume normal playback, select Play Mode: "Off" in step 2.

| Play Mode : Random |
|---|
| Repeat : Off |
| ◀▶▲▼/Enter/Play Mode |

— Channel Number

— Play Mode

— Enter

— ▲▼◀▶

— Cancel

— Skip ▶▶I

*Note:*
*The program is cancelled when you eject the disc or turn the power off.*

— Play mode

— Enter

— ▲▼◀▶

— Play

*Note:*
*In playing back the Video CD with PBC, you cannot set Random playback.*

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DVD Playback

## Changing angles (DVD)

When playing back a disc recorded with multi-angle facility, you can change the angle that you are viewing the scene from.
1. Press ANGLE during playback.
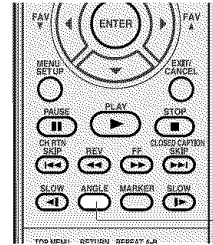   The current angle will appear.
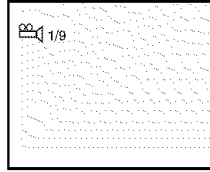
2. Press ANGLE repeatedly until the desired angle is selected.

Angle

**Note:**
*Depending on the DVD, you may not be able to change the angles even if multi-angles are recorded on the DVD.*

## Title selection (DVD)

Two or more titles are recorded on some discs. If the title menu is recorded on the disc, you can select the desired title.
1. Press TOP MENU during playback.
   Title menu appears on the screen.
2. Press ▲/▼/◀/▶ to select the desired title.
3. Press ENTER or PLAY.
   The playback of the selected title will start.
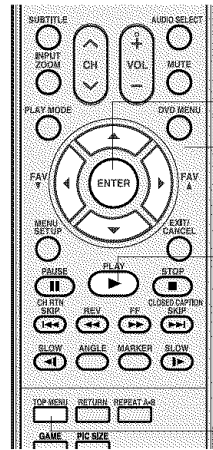
Enter

▲▼◀▶

Play

Top Menu

**Note:**
*Depending on the DVD, you may not be able to select the title. Depending on the DVD, a "title menu" may simply be called a "menu" or "title" in the instructions supplied with the disc.*

## DVD menu (DVD)

Some DVDs allow you to select the disc contents using the menu. When you playback these DVDs, you can select the subtitle language and sound-track language, etc. using the menu.
1. Press DVD MENU during playback.
   The DVD menu appears on the screen.
   • Press DVD MENU again to resume playback at the scene when you pressed DVD MENU.
2. Press ▲/▼/◀/▶ to select the desired item.
3. Press ENTER.
   The menu continues to another screen. Repeat steps 2 and 3 to set the item completely.
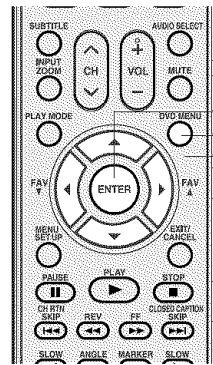
Enter
DVD Menu
▲▼◀▶

**Note:**
*Depending on the DVD, you may not be able to resume playback from the scene point when you pressed DVD MENU.*
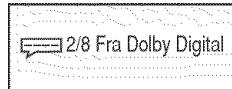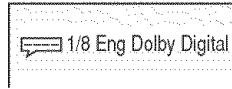
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## Changing soundtrack language (DVD)(VCD)

You can select the language when you play a multilingual disc.
1. Press AUDIO SELECT during playback.
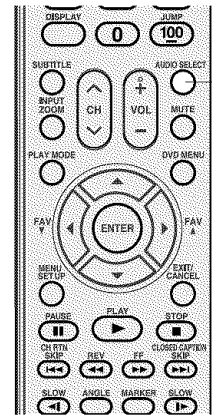The current soundtrack language will appear.

> 2/8 Fra Dolby Digital

2. Press AUDIO SELECT repeatedly until the desired language is selected.
   • The on screen display will disappear after a few seconds.

> 1/8 Eng Dolby Digital

**In case of Video CD playback**

Audio type changes as follows each time you press AUDIO SELECT.

LR → L → R

Audio Select

## Notes:
• If the desired language is not heard after pressing the button several times, the language is not recorded on the disc.
• Changing soundtrack language is cancelled when you eject the disc. The initial default language or available language will be heard if the disc is played back again.
• If you select DTS in playing DTS-encoded disc, no sound will be heard from the TV/DVD's speakers.

## Subtitles (DVD)

When playing back a disc recorded with subtitles, you can select the subtitle language or turn the subtitle off.
1. Press SUBTITLE repeatedly during playback until your desired language appears.

> 1/8 Eng
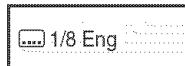
2. To turn off the subtitle, press subtitle until "Off" appears.
   • The on screen display will disappear after a few seconds.

> Off
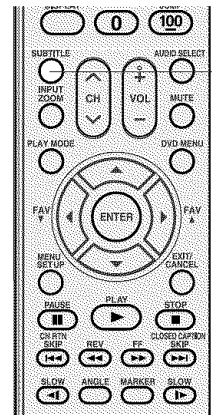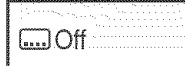
Subtitle

## Notes:
• Depending on the DVD, you may not be able to change subtitles, or to turn subtitles on or off.
• While playing a DVD, the subtitle may change when you loaded or eject the disc.
• In some cases, a selected subtitle language may not be changed immediately.
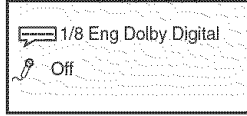
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## Karaoke playback **DVD**

You can turn the vocal on or off recorded on the DVD KARAOKE.

1.  During DVD KARAOKE disc playback, press AUDIO SELECT.

    The KARAOKE symbol ( ♪ ) appears.
    - If you play non-Karaoke disc, the KARAOKE symbol ( ♪ ) does not appear.
    - Some Karaoke discs may not have the vocal on/off function. In this case, the KARAOKE symbol ( ♪ ) does not appear.

    ```
    ▭ 1/8 Eng Dolby Digital
    ♪  Off
    ```
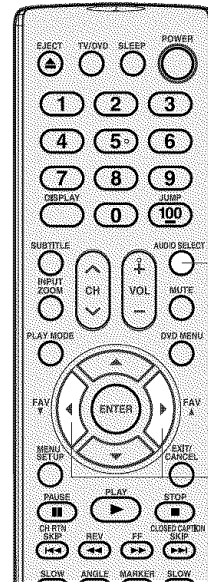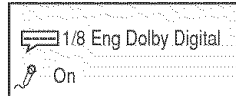
2.  Press ◄ or ► to select "On" or "Off".

    On : The primary vocal is output when it is recorded on the disc.
    Off : The primary vocal is not output.
    - The on screen display will disappear after a few seconds.

    ```
    ▭ 1/8 Eng Dolby Digital
    ♪  On
    ```
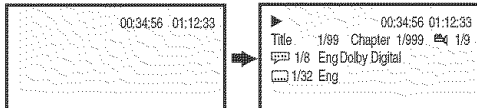
— Audio Select

◄ ►

### Notes:
- The vocal output feature is used during playback of Dolby Digital (multi-channel) recorded DVD KARAOKE discs. This feature allows you to turn off vocal audio tracks, or restore them for background accompaniment.
- When playing Karaoke, connect appropriate audio equipment such as an amplifier to the TV/DVD.

## Disc status **DVD** **VCD** **CD**

With each press of DISPLAY, the status of the disc will appear on the screen and change as follows.

### DVD

```
00:34:56  01:12:33        ►              00:34:56 01:12:33
                    ➡    Title   1/99  Chapter 1/999  🔊 1/8
                         ▭ 1/8  Eng Dolby Digital
                         ▭ 1/32 Eng
```

To make status display disappear, press DISPLAY again.

### Video CD

```
00:12   04:32        ► PBC          00:12   04:32
                ➡    Track  -/-
```
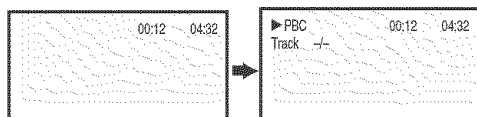
To make status display disappear, press DISPLAY again.

### Audio CD

```
►              34:56   71:33
Track 11/99
```
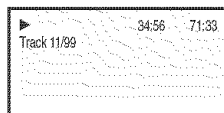
When you playback the CD disc, the status display will appear on the screen and continue displaying.

## To turn off the PBC **VCD**

Press number button 1 in the stop mode, then press ENTER.
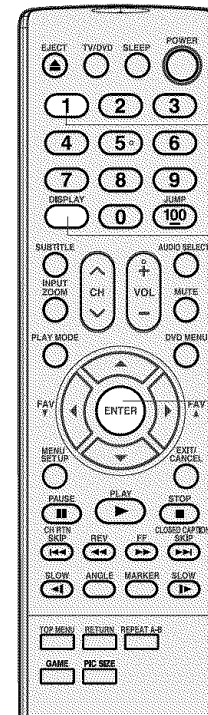
1

Display

Enter

## MP3/WMA/JPEG CD operation

This unit can play back MP3/WMA/JPEG-data which has been recorded on CD-R or CD-RW.
To produce MP3/WMA/JPEG-data, you need a Windows-PC with CD-R/RW drive and MP3/WMA/JPEG-encoding Software (not supplied).
Files recorded on an Apple® HFS (hierarchical file system) volume cannot be played.

### MP3/WMA/JPEG CD information ⟨CD⟩

#### Limitations on MP3/WMA/JPEG CD playback
• MP3/WMA/JPEG CDs must meet ISO9660 standards. Files must have one of the following extensions: .mp3, .wma, or .jpg.
• This unit can read 200 files per disc. If one directory has more than 200 files, the unit will read up to 200 files and any additional files will be ignored.
• The unit is able to recognize up to a maximum of 50 directories per disc.
• MP3/WMA/JPEG CDs cannot be used for the purpose of recording.
• If the CD has both audio tracks and MP3/WMA/JPEG files, only audio tracks are played.
• It may take more than one minute for this unit to read MP3/WMA/JPEG files depending on its structure.
• Music recorded by "Joliet Recording Specification" can be played back, the file name is displayed (within 16 letters) on the screen. Long file names will be condensed.
• Music files recorded on an Apple® HFS (hierarchical file system) volume cannot be played.

#### Limitations on display
• The maximum number for display is 16 letters.
Available letters for display are the following:
capital or small alphabets of A through Z, numbers of 0 through 9, and _ (under score).
• Other letters than those above are replaced in hyphen.

#### Notes on MP3/WMA/JPEG files
To play back MP3/WMA/JPEG CD in the recorded order,
1. Use MP3/WMA/JPEG software that records data alphabetically or numerically.
2. Name each file including two-digit or three-digit number (ex. "01" "02" or "001" "002").
3. Refrain from making too many sub-folders.

#### Notice:
• Some MP3/WMA/JPEG CDs cannot be played back depending on the recording conditions.
• The CD-R/RW that has no music data or non MP3/WMA/JPEG files cannot be played back.

#### Standard, sampling frequency, and the bit rate:
MP3 CD
  MPEG-1 Audio
  32kHz, 44.1kHz, 48kHz
  32kbps ~ 320kbps (constant bit rate or variable bit rate)
  The recommend recording setting for a high-quality sound is 44.1kHz of sampling frequency and 128kbps of constant bit rate.
WMA CD
  WMA version 7, and 8
  32kHz, 48kbps
  44.1kHz, 48kbps ~ 192kbps
  48kHz, 128kbps ~ 192kbps
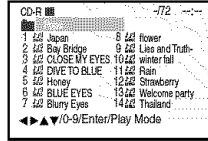  The file recorded by mono, 48kHz, 48 kbps is not available to this unit.

The DVD player contained in this LCD TV requires discs/recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3/WMA files). Because this area of technology is still evolving, Toshiba cannot guarantee that all recordable discs will produce optimal playback quality. The technical criteria set forth in this owner's manual are meant only as a guide.

Please be advised that you must obtain permission from the applicable copyright owners to download copyrighted content, including music files, in any format, including the MP3 and WMA formats, prior to the downloading thereof. Toshiba has no right to grant and does not grant permission top download any copyrighted content.
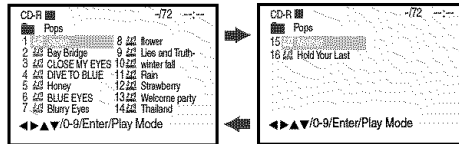
Apple is a registered trademark of Apple Computer, Inc.

## MP3/WMA CD playback (CD)

1. Load a disc on which MP3 or WMA files have been recorded in the disc slot.

2. A file menu screen will appear on the screen.
   Press ◀/▶ or ENTER to select folder.

   | CD-R ▦ | -/72 --:-- |
   | --- | --- |
   | 🎵 | |
   | 1 ♫ Japan | 8 ♫ flower |
   | 2 ♫ Bay Bridge | 9 ♫ Lies and Truth |
   | 3 ♫ CLOSE MY EYES | 10 ♫ winter fall |
   | 4 ♫ DIVE TO BLUE | 11 ♫ Rain |
   | 5 ♫ Honey | 12 ♫ Strawberry |
   | 6 ♫ BLUE EYES | 13 ♫ Welcome party |
   | 7 ♫ Blurry Eyes | 14 ♫ Thailand |
   | ◀▶▲▼/0-9/Enter/Play Mode | |

3. Press ▲/▼/◀/▶ or Number buttons (0–9) to select the desired file.
   • In case the folder includes more than 15 files, press ◀ or ▶ to display next file list.

   | CD-R ▦ | -/72 --:-- |
   | --- | --- |
   | 🎵 Pops | |
   | 1 | 8 ♫ flower |
   | 2 ♫ Bay Bridge | 9 ♫ Lies and Truth |
   | 3 ♫ CLOSE MY EYES | 10 ♫ winter fall |
   | 4 ♫ DIVE TO BLUE | 11 ♫ Rain |
   | 5 ♫ Honey | 12 ♫ Strawberry |
   | 6 ♫ BLUE EYES | 13 ♫ Welcome party |
   | 7 ♫ Blurry Eyes | 14 ♫ Thailand |
   | ◀▶▲▼/0-9/Enter/Play Mode | |

   ➡️

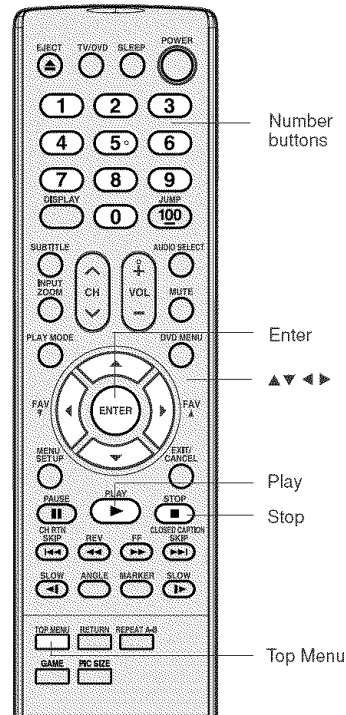   | CD-R ▦ | -/72 --:-- |
   | --- | --- |
   | 🎵 Pops | |
   | 15 | |
   | 16 ♫ Hold Your Last | |
   | ◀▶▲▼/0-9/Enter/Play Mode | |

   • When PLAY has been pressed after displaying the file menu, playback begins automatically starting from the first file. In this case, if the first file is an MP3/WMA file, only MP3/WMA files are played back in order. If the first file is a JPEG file, the first JPEG file is played back.

4. Press ENTER.
   The selected file starts playing back.

5. Press STOP to end playback.
   • The unit records the stopped point. "▶" appears on the screen. Press PLAY to resume playback (from the scene point).
   • If you press STOP again or unload the disc, the unit will clear the stopped point.

### About file menu

```
         Operation    Elapsed time
Media type    File number
```

| CD-R ▶ | 1/94 02:36 |
| --- | --- |
| 🎵 Pops | |
| 1 | 8 ♫ flower |
| 2 ♫ Bay Bridge | 9 ♫ Lies and Truth |
| 3 ♫ CLOSE MY EYES | 10 🖻 Pic-1 |
| 4 ♫ DIVE TO BLUE | 11 🖻 Pic-2 |
| 5 ♫ Honey | 12 🖻 Pic-3 |
| 6 ♫ BLUE EYES | 13 🖻 Pic-4 |
| 7 ♫ Blurry Eyes | 14 🖻 Pic-5 |
| ◀▶▲▼/0-9/Enter/Play Mode/DVD Menu | |

Folder ↗

♫ᵐᵖ³ : Indicates MP3 file

♫ᵂᴹᴬ : Indicates WMA file

🖻 : Indicates JPEG file

### Remote control

Number buttons

Enter

▲▼◀▶

Play

Stop

Top Menu

### Notes:
• During MP3/WMA/JPEG playback, you cannot use JUMP, A-B Repeat functions.
• You can use Repeat (Track or All), Random functions and Program playback for MP3/WMA/JPEG CD playback (see pages 47 and 48).
• In the case of a CD containing a mixture of MP3, WMA and JPEG files, the files are played back by selecting them from the file menu.

### Notes:
• The picture menu is displayed when the FUJICOLOR CD or the Kodak Picture CD are played. To display the file menu, press TOP MENU.
• In the case of a CD containing a mixture of MP3, WMA and JPEG files, the files are played back by selecting them from the file menu.
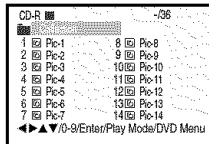• MP3 or WMA file on the Kodak Picture CD is not recognized on this unit.

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## JPEG CD playback <CD>

You can select your desired JPEG file on the file menu and picture menu. The selected JPEG file is automatically adjusted to the TV screen. (When the aspect ratio of a JPEG file is different from that of the TV screen, black bars may appear at the top, bottom, and/or sides of the screen.

1. Load a disc on which JPEG files have been recorded in the slot.

2. A file menu screen will appear on the screen. Press ◄/► to select folder.

| CD-R ▦ | -/36 |
|---|---|
| ▦ | |
| 1 ▣ Pic-1 | 8 ▣ Pic-8 |
| 2 ▣ Pic-2 | 9 ▣ Pic-9 |
| 3 ▣ Pic-3 | 10▣ Pic-10 |
| 4 ▣ Pic-4 | 11▣ Pic-11 |
| 5 ▣ Pic-5 | 12▣ Pic-12 |
| 6 ▣ Pic-6 | 13▣ Pic-13 |
| 7 ▣ Pic-7 | 14▣ Pic-14 |
| ◄►▲▼/0-9/Enter/Play Mode/DVD Menu | |

3. Press ▲/▼/◄/► or Number buttons (0–9) to select the desired file.
   To display a picture menu, press DVD MENU. (To return to a file menu, press TOP MENU.)
   Press ◄/►/▲/▼ to select the desired file.
   • To display next list, press SKIP I◄◄/►►I.
   • When PLAY has been pressed after displaying the file menu, playback begins automatically starting from the first file. In this case, if the first file is a JPEG file, the first JPEG file is played back. If the first file is an MP3/WMA file, only MP3/WMA files are played back in order.

4. Press ENTER. The selected picture appears on the screen.

### Rotating an image

You can rotate an image by 90 degrees by pressing ANGLE during playback of the image.

"▱◖", "▱▼", "▱◖◖" or "▱▲" appears briefly on the screen.

5. Press STOP to end playback.
   The file menu appears on the screen.
   If you want to watch the other file, repeat steps 3 ~ 4.

### Slide show playback <CD>

The slide show enables you to view pictures (files) one after another automatically.

Preparation:
• Set "JPEG Interval" setting to "5 Seconds", "10 Seconds" or "15 Seconds". (See page 56.)

1. Select your desired starting file for the slide show in the step 3 on the above.

2. Press ENTER to start slide show from the selected file.
   • If you press PAUSE during the slide show, the slide show stops temporarily. "❚❚" appears briefly on the picture.
     If the picture appears upside down or sideways, press ANGLE repeatedly until it's right side up.
     "▱◖", "▱▼", "▱◖◖" or "▱▲" appears briefly on the screen.
     Press PLAY or SKIP ►►I again to resume the slide show.
   • When slide show playback is finished, the file list appears.
   • To stop the slide show, press STOP. The file list appears.

Channel
Number

Enter
DVD Menu
▲▼ ◄►

Play
Stop

Skip I◄◄ ►►I
Angle

Top Menu

Enter

Pause

Play
Stop
Skip ►►I

Angle

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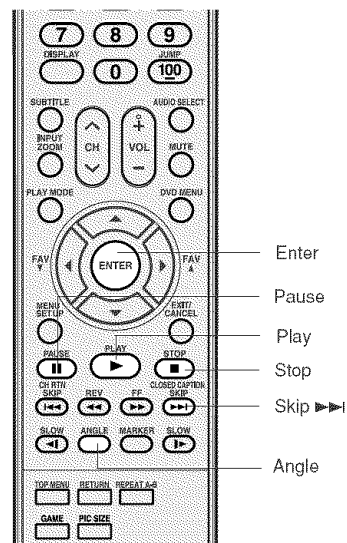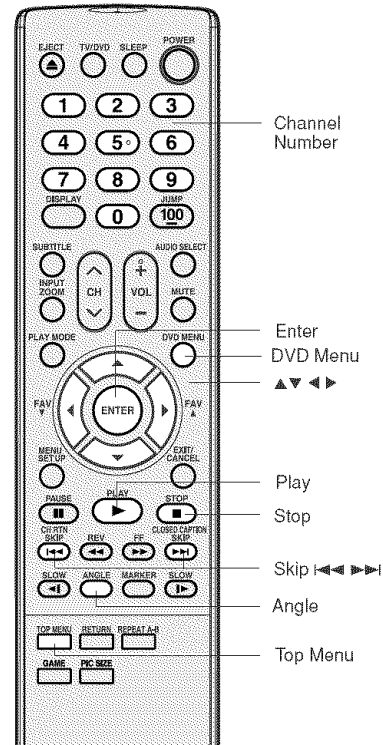
## DVD function setup

### Customizing the function settings

You can change the default settings of the DVD mode to customize performance to your preference.

**Setting procedure**
1. Press SETUP during stop mode.
   The following on-screen display appears.

   ```
   Language Picture Sound Parental Other

   ◄►▲▼/Enter/Setup/Return
   ```
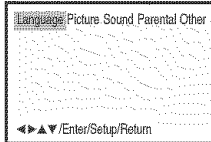
2. Press ◄ or ► to select the desired section, then press ▼ or ENTER.

3. Press ▲ or ▼ to select the desired option.

4. Change the selection using ▲/▼/◄/► or ENTER (see "Setting details" on pages 56 and 57).
   • Repeat step 3 and 4 to change other settings.
   • Press ▲ to select another operation, go back to step 2.

5. To make SETUP screen disappear, press SETUP or RETURN.

| Section | Option | Details | Page |
|---------|--------|---------|------|
| Language | Menu<br>Subtitle<br>Audio | To select the language of "Menu", "Subtitle" and "Audio" if their languages are recorded on the disc in more than one language. | |
| Picture | TV Screen | To select a picture size. | 56 |
| | Display | To turn on or deactivate the operational status display on the screen. | |
| | JPEG Interval | To select a preferred setting for the slide show playback. | |
| | Select Files | To select your desired file type for playing back a disc containing a mixture of MP3, WMA, and JPEG files. | |
| Sound | DRC | To select On or Off for DRC (Dynamic Range Control). | |
| Parental | Password | Input 4-digit password to set the parental level. | 57 |
| | Parental | To select a preferred parental level for the parental setting. | |
| Other | OSD Language | To select a preferred language for on screen display. | |
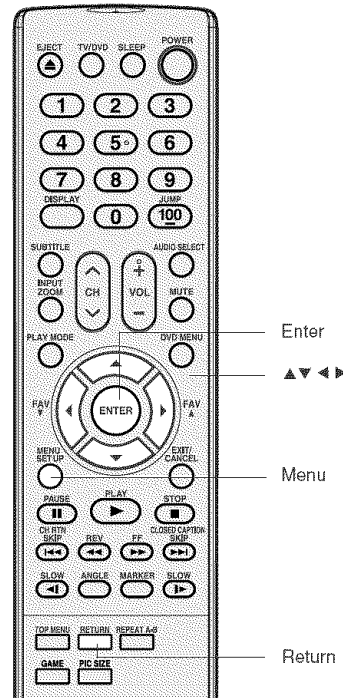
Enter

▲▼◄►

Menu

Return

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## Setting details

### Language
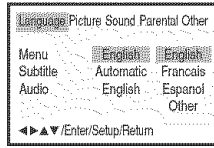


#### Menu, Subtitle, Audio

You can select the language of "Menu", "Subtitle" and "Audio" if more than one language is recorded onto the disc.

**English, Francais, Espanol:**
The selected language will be heard or seen.

**Other:**
Other language can be selected (see the "Language code list" page 59).

**Original: (Audio)**
The unit will select the first priority language of each disc.

**Automatic: (Subtitle)**
- The unit will automatically select the same language in the AUDIO setting.
- When the unit selects the same language as the AUDIO, the subtitles will not appear during playback.
- When you do not use the same language as the AUDIO, the subtitles will appear during playback.

**Off: (Subtitle)**
Subtitles do not appear.

*Note:*
If the selected language is not recorded on the disc, the first-priority language is selected.

### Picture
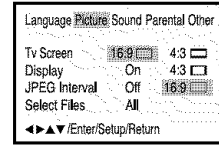


#### Tv Screen

You have the following screen sizes to choose from:

**4:3 ▭ Letter box:**
When playing back a wide screen-DVD disc, it displays the wide picture with black bands at the top and bottom of screen.

**4:3 ▭ Pan scan:**
It displays the wide picture on the whole screen with left and right edges automatically cut off.

**16:9 ▭ Wide:**
A wide screen picture is displayed full size.

*Note:*
If the DVD disc is not formatted in the pan & scan style, it displays 4:3 style.

#### Display

On screen display can be switched on or off when you press the buttons.

**On:** On screen displays appear when you press the buttons (factory setting).

**Off:** On screen displays do not appear when you press any buttons.

#### JPEG Interval

You can continuously play back all JPEG files automatically. After the setting below, start playing the disc on which JPEG files have been recorded.

**Off:**
Plays back one file at a time.

**5 Seconds:**
Plays back images in the form of a slide show at 5 second intervals.

**10 Seconds:**
Plays back images in the form of a slide show at 10 second intervals.

**15 Seconds:**
Plays back images in the form of a slide show in 15 second intervals.

#### Select Files

When playing back a CD containing a mixture of MP3, WMA and JPEG files, only MP3/WMA or JPEG files can be displayed on the file menu.

**All:**
Displays all files.

**Music Only:**
Displays only MP3/WMA files.

**Pictures Only:**
Displays only JPEG files.

DVD Playback

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## Setting details

### Sound
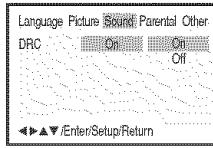
DRC

DRC (Dynamic Range Control) enables you to control the dynamic range so as to achieve a suitable sound for your equipment.

**On:** Loud sound such as explosion or similar is toned down slightly when played back. This makes it suitable for when it is connected to a stereo.

**Off:** It plays back at the recording level on the disc.

*Notes:*
- This function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Reduction may differ depending on DVD video disc.

### Parental

**Parental control setting**

Some discs are specified not suitable for children. Such discs can be limited not to play back with the unit.

1) Press ▲ or ▼ to select "Parental", then press ◄ or ► until the level you require appears.
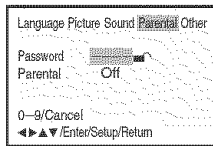   - Level Off: The parental control setting does not function.
   - Level 8: Virtually all DVD software can be played back.
   - Level 1: DVD software for adults cannot be played back.
   Select from the level 1 to level 8. The limitation will be more severe as the level number is lower.
2) Press ▲ or ▼ to select "Password".
   Press Number buttons (0–9) to input a 4-digit password. Be sure to remember this number!
   - If you input a wrong number, press CANCEL.
3) Press ENTER to store the password.
   Note: Now the rating is locked and the setting cannot be changed unless you enter the correct password.

*Notes:*
- Depending on the discs, the unit cannot limit playback.
- Some discs may not be encoded with specific rating level information though its disc jacket says "adult." For those discs, the age restriction will not work.

### To change the parental level

1) Press ▲ or ▼ to select "Password".
2) Press Number buttons (0–9) to enter the password you have stored.
3) Press ENTER.
   - The rating is now unlocked.
4) Press ▲ or ▼ to select "Parental", then press ◄ or ► to change the parental level.
5) Press ▲ or ▼ to select "Password", then press Number buttons (0–9) to enter the password.
   Note: You can change the password if you want.
6) Press ENTER.
   Now the parental level is changed and locked.

### If you forget the password...

1. Press EJECT.
2. Remove the disc after the disc comes out.
3. "No Disc" appears on the screen.
4. While holding STOP down on the top of the unit, press 7 on the remote control. "PASSWORD CLEAR" appears on the screen.
5. Enter a new password again.

### Other
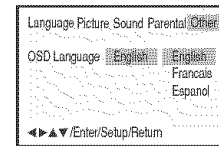
OSD Language

The setup language can be selected.

**English:** To display OSD language in English.
**Francais:** To display OSD language in French.
**Espanol:** To display OSD language in Spanish.

*Note:*
After completing the setup on pages 56 and 57, the settings will be retained in the memory (especially with DVD discs), even if you turn off the power.

## Temporary disabling of parental level by DVD disc

Depending on the DVD disc, the disc may try to temporarily cancel the parental level that you have set.
It is up to you to decide whether to cancel the rating level or not.

1. Load a DVD disc.
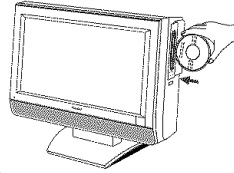
2. If the DVD disc has been designed to temporarily cancel the Rating level, the screen which follows the "Reading" screen will change, depending on which disc is played. If you select "YES" with the ENTER key, "Your disc exceeds the parental control level#." screen will then appear.

Reading

Your disc exceeds
the parental control level#.

Parental Control Level
Cancel Picture

▲▼/Enter/Return
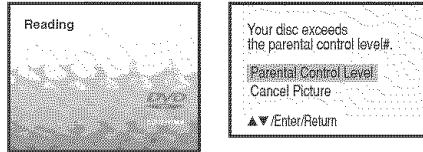
3. If you wish to cancel the set rating level temporarily, select "Parental Control Level" with ▲ or ▼, then press ENTER. If the 4-digit password at step 2 on page 57 has been set, the password entering screen will appear as shown in step 4. Alternatively, if the password has not been set, playback will commence. If you don't know (or have forgotten) the password, select "Cancel Picture". The setting screen will disappear. Press EJECT on the unit to remove the disc.

4. Enter the password with Number buttons (0–9). Then press ENTER.
To exit from the entry, press RETURN.

Please enter the
4 - digit password

Enter/0 – 9/Cancel/Return
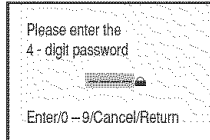
5. Playback will commence if the entered password was correct.

Eject

Number
buttons

Enter

▲▼

Return
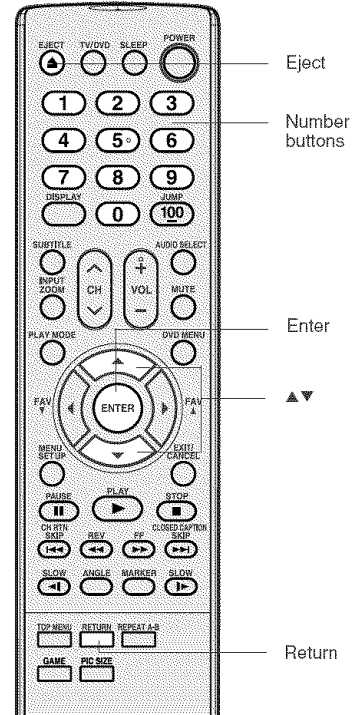
### Note:
*This temporary cancellation of rating level will be kept until the disc is ejected.*
*When the disc is ejected, the original parental level will be set again automatically.*

DVD Playback

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# Appendix

## Language code list

Enter the appropriate code number for the initial settings "Menu", "Subtitle" and/or "Audio." See page 56.

| Language Name | Code | Language Name | Code | Language Name | Code | Language Name | Code |
|---|---|---|---|---|---|---|---|
| Abkhazian | 1112 | Fiji | 1620 | Lingala | 2224 | Singhalese | 2919 |
| Afar | 1111 | Finnish | 1619 | Lithuanian | 2230 | Slovak | 2921 |
| Afrikaans | 1116 | French | 1628 | Macedonian | 2321 | Slovenian | 2922 |
| Albanian | 2927 | Frisian | 1635 | Malagasy | 2317 | Somali | 2925 |
| Amharic | 1123 | Galician | 1722 | Malay | 2329 | Spanish | 1529 |
| Arabic | 1128 | Georgian | 2111 | Malayalam | 2322 | Sundanese | 2931 |
| Armenian | 1835 | German | 1415 | Maltese | 2330 | Swahili | 2933 |
| Assamese | 1129 | Greek | 1522 | Maori | 2319 | Swedish | 2932 |
| Aymara | 1135 | Greenlandic | 2122 | Marathi | 2328 | Tagalog | 3022 |
| Azerbaijani | 1136 | Guarani | 1724 | Moldavian | 2325 | Tajik | 3017 |
| Bashkir | 1211 | Gujarati | 1731 | Mongolian | 2324 | Tamil | 3011 |
| Basque | 1531 | Hausa | 1811 | Nauru | 2411 | Tatar | 3030 |
| Bengali; Bangla | 1224 | Hebrew | 1933 | Nepali | 2415 | Telugu | 3015 |
| Bhutani | 1436 | Hindi | 1819 | Norwegian | 2425 | Thai | 3018 |
| Bihari | 1218 | Hungarian | 1831 | Oriya | 2528 | Tibetan | 1225 |
| Breton | 1228 | Icelandic | 1929 | Panjabi | 2611 | Tigrinya | 3019 |
| Bulgarian | 1217 | Indonesian | 1924 | Pashto, Pushto | 2629 | Tonga | 3025 |
| Burmese | 2335 | Interlingua | 1911 | Persian | 1611 | Turkish | 3028 |
| Byelorussian | 1215 | Irish | 1711 | Polish | 2622 | Turkmen | 3021 |
| Cambodian | 2123 | Italian | 1930 | Portuguese | 2630 | Twi | 3033 |
| Catalan | 1311 | Japanese | 2011 | Quechua | 2731 | Ukrainian | 3121 |
| Chinese | 3618 | Javanese | 2033 | Rhaeto-Romance | 2823 | Urdu | 3128 |
| Corsican | 1325 | Kannada | 2124 | Romanian | 2825 | Uzbek | 3136 |
| Croatian | 1828 | Kashmiri | 2129 | Russian | 2831 | Vietnamese | 3219 |
| Czech | 1329 | Kazakh | 2121 | Samoan | 2923 | Volapük | 3225 |
| Danish | 1411 | Kirghiz | 2135 | Sanskrit | 2911 | Welsh | 1335 |
| Dutch | 2422 | Korean | 2125 | Scots Gaelic | 1714 | Wolof | 3325 |
| English | 1524 | Kurdish | 2131 | Serbian | 2928 | Xhosa | 3418 |
| Esperanto | 1525 | Laothian | 2225 | Serbo-Croatian | 2918 | Yiddish | 2019 |
| Estonian | 1530 | Latin | 2211 | Shona | 2924 | Yoruba | 3525 |
| Faroese | 1625 | Latvian, Lettish | 2232 | Sindhi | 2914 | Zulu | 3631 |

# Appendix

## Troubleshooting

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

| Symptom | Solution |
|---------|----------|
| TV will not turn on | • Make sure the connection of the AC adapter and AC cord, then press POWER.<br>• The remote control batteries may be dead. Replace the batteries. |
| No picture, no sound | • Check the antenna/cable connections. |
| No sound, picture OK | • The sound may be muted. Press VOLUME.<br>• The station may have broadcast difficulties. Try another channel.<br>• The MTS feature may be in SAP mode. Select STR or MONO in the MTS menu. |
| Poor sound, picture OK | • The station may have broadcast difficulties. Try another channel.<br>• The MTS feature may be in SAP mode. Select STR or MONO in the MTS menu. |
| Poor picture, sound OK | • Check the antenna connections.<br>• The station may have broadcast difficulties. Try another channel.<br>• Adjust the PICTURE menu. |
| 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, DVD), 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/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:<br>• If the TV is connected to an external A/V device (e.g., DVD player, video game system, set-top-box, etc.) always try to use the Color Stream video jacks and corresponding audio jacks or the HDMI input (if available on your TV) for connection to such external A/V device.<br>• 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.<br>• If connected to a video game system and your TV has the Game Mode feature (see owner's manual for more information), enable this feature.<br>• If you notice this phenomenon only on cetain TV channels, please contact your local broadcast, cable, or satellite provider to inform them of this issue. |
| Poor reception of broadcast channels | • The station may have broadcast difficulties. Try another channel.<br>• Check the antenna connections. |
| Cannot receive above channel 13 | • Make sure TV/CABLE is set to CABLE mode. |
| Unable to select a certain channel | • The channel may be blocked by the V-Chip feature or CH LOCK feature, or erased with the add/erase feature. |
| Cannot access signal input sources (Video1, Video2, ColorStream HD, HDMI and PC) and/or Channels 3 and 4 | • Check the VIDEO LOCK feature. |
| Multiple images | • The station may have broadcast difficulties. Try another channel.<br>• Use a highly directional outdoor antenna. |
| Poor color or no color | • The station may have broadcast difficulties. Try another channel.<br>• Adjust the TINT and/or COLOR in the PICTURE menu. |
| Black box on screen | • Select OFF in the Closed Caption menu to turn off the Closed Caption Text mode. |
| No stereo or SAP sound from a known MTS broadcast | • Make sure the MTS feature is set properly (AUDIO menu). |
| The V-Chip password does not work (U.S. V-Chip system only) | • Change or reset your password. |
| The remote control does not operate | • Remove all obstructions between the remote control and the TV.<br>• The remote control batteries may be dead. Replace the batteries. |
| The top panel buttons do not operate | • Check the PANEL LOCK feature. |

**Appendix**

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## Troubleshooting (continued)

| Symptom of DVD | Solution |
|---|---|
| Playback doesn't start | • No disc is loaded.<br>• The disc may be dirty. Clean the disc.<br>• The unit cannot play CD-ROMs, etc. |
| No picture | • TV/DVD selector is not set correctly. |
| No sound | • Make sure the input selector of the amplifier is set properly.<br>• The unit is in the special playback mode.<br>• Select the correct Audio Output/Input position on AV amplifier. |
| Picture is distorted during fast reverse/forward playback | • The picture will be distorted occasionally. |
| Stopping playback, search, slow-motion play, repeat play, or program play, etc. cannot be performed | • Some discs may not perform certain functions. |
| No on-screen display | • Select Display On. |
| No surround sound | • The setup does not match your stereo system. |
| The unit or remote operation key is not functioning | • Turn off the unit and unplug the AC power cord for several minutes, then replug it. |
| Playback does not start when the title is selected | • Check the Parental level setup. |
| Audio soundtrack and/or subtitle language is not changed when you play back a DVD | • Multilingual language is not recorded on the DVD disc. |
| No subtitle | • Some discs have no subtitles.<br>• Subtitles are cleared. Press SUBTITLE. |
| Angle cannot be changed | • Multi-angles are not recorded on the DVD discs. |
| " 💥 " appears on the screen | • The function is prohibited with the unit or the disc. |

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# Specifications

**Notes:**
- This model complies with the specifications listed below.
- 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.

| | 17HLV85 | 20HLV85 |
|---|---|---|
| **Television** | | |
| LCD panel | 17.1 inches (434.4 mm diagonal)<br>(Screen size is approximate.) | 20.04 inches (508.9 mm diagonal)<br>(Screen size is approximate.) |
| Display method | Color TFT LCD | |
| Number of pixels | 1280 (Horizon) x 768 (Vertical) | 1366 (Horizon) x 768 (Vertical) |
| Television system | NTSC standard | |
| Tuner type | F-Synth | |
| Channel coverage | VHF: 2 – 13<br>UHF: 14 – 69<br>Cable TV: 4A, A-5 – A-1, A-I, J – W, W+1 – W+84 | |
| Antenna input | VHF/UHF 75 ohm | |
| Power source | 120V AC, 60 Hz with supplied AC adapter | |
| Power consumption | 65 W with supplied AC adapter | 100 W with supplied AC adapter |
| Audio power | 1.5 W x 1.5 W | 2.5 W + 2.5 W |
| Speaker type | 1.5 x 2.7 inches (38.1 x 68.6 mm), 16 ohm x 2 | 1.8 x 3.9 inches (45.7 x 99.1 mm), 16 ohm x 2 |
| Video/Audio terminals | S-VIDEO INPUT<br>  Y-INPUT:   1V (p-p), 75 ohm, negative sync., Mini DIN 4pin x 1<br>  C-INPUT:   0.286V (p-p) (burst signal), 75 ohm<br>VIDEO/AUDIO INPUT<br>  VIDEO:   1V (p-p), 75 ohm, negative sync., pin jack x 2<br>  AUDIO:   150 mV (rms) (30% modulation equivalent, 47k ohm), pin jack (L/R) x 5<br>ColorStream® (component video) INPUT<br>  Y:   1V (p-p), 75 ohm<br>  $P_R$:   0.7V (p-p), 75 ohm<br>  $P_B$:   0.7V (p-p), 75 ohm<br>DIGITAL AUDIO OUTPUT (Coaxial) DVD mode only<br>  0.5V (p-p), 75 ohm, pin jack (L/R) x 1<br>HEADPHONE<br>  Ø3.5mm stereo mini jack x 1<br>HDMI INPUT: HDMI compliant (type A connector)<br>  HDCP compliant<br>  E-EDID* compliant<br>  Suggested scan rates: 1080i, 480p, 480i, 720p<br>  HDMI Audio: 2-channel PCM<br>                32/44.1/48 kHz sampling frequency<br>                16/20/24 bits per sample<br>PC Monitor Input<br>  Mini-Dsub 15pin x 1 | |
| Dimensions | Width: 18-3/8 inches (456 mm)<br>Height: 16-1/8 inches (409 mm)<br>Depth: 8-11/16 inches (220 mm) | Width: 21-13/16 inches (554 mm)<br>Height: 17-5/8 inches (448 mm)<br>Depth: 8-11/16 inches (220 mm) |
| Weight | 17.6 lbs. (8.0 kg) | 19.8 lbs. (9.0 kg) |
| Supplied accessories | Remote control (DC-LWB1) with two size "AAA" batteries<br>AC adapter<br>AC cord (for AC adapter)<br>Owner's Manual (This booklet) | |
| **DVD/CD Player** | | |
| Signal system | NTSC | |
| Applicable disc | 1. DVD (12cm, 8cm [with Disc adapter])<br>2. CD (12cm, 8cm [with Disc adapter]) | |
| Pickup | 1-Lens, 2-Beams System | |

\* E-EDID = Enhanced-Extended Display Identification.

**WARNING:** Always use the Toshiba wall bracket specified below or another wall bracket approved by Toshiba for wall mounting this television. The use of any wall bracket other than the Toshiba wall bracket specified below or another wall bracket approved by Toshiba for wall mounting this television could result in serious bodily injury and/or property damage. **In the U.S.:** Use Toshiba wall bracket model number **FWB2027**. For more information, call TACP's Consumer Solutions Center at 1-800-631-3811 or visit TACP's website at **www.tacp.toshiba.com**. **In Canada:** Call TCL's Customer Service Department at 1-800-268-3404.

Appendix

# 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 on-line at **http://www.tacp.toshiba.com/service** 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:

(1) 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, misaligned satellite dishes, cable television distribution, VCRs, DVD players/recorders,

personal computer level IEEE-1394 devices, and any other connected signal source device 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:

(1) For instructions on how to obtain warranty service for your LCD Television, contact TACP's Consumer Solution Center toll free at 1-800-575-5469.

(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**

ALL WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A., INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE LIMITED WARRANTIES SET FORTH ABOVE. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A. AS HEREBY LIMITED, THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS, AND SIMILAR OBLIGATIONS OF TACP WITH RESPECT TO THE REPAIR OR REPLACEMENT OF ANY PARTS. IN NO EVENT SHALL TACP BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, BUSINESS INTERRUPTION, OR MODIFICATION OR ERASURE OF RECORDED DATA CAUSED BY USE, MISUSE OR INABILITY TO USE THIS LCD TV/DVD COMBINATION).

No person, agent, distributor, dealer, or company is authorized to change, modify, or extend the terms of these warranties in any manner whatsoever. The time within which an action must be commenced to enforce any obligation of TACP arising under the warranty or under any statute or law of the United States or any state thereof is hereby limited to ninety (90) days from the date you discover, or should have discovered, the defect. This limitation does not apply to implied warranties arising under state law.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE IN THE U.S.A. SOME STATES OF THE U.S.A. DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, WHEN AN ACTION MAY BE BROUGHT, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE PROVISIONS MAY NOT APPLY TO YOU UNDER SUCH CIRCUMSTANCES.

# Limited Canada Warranty
## LCD TV/DVD (from for 14" to 32" Television Models)

Toshiba of Canada Limited ("TCL") makes the following limited warranties to original consumers in Canada. THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS LCD TV/DVD AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

PRODUCTS PURCHASED IN THE U.S.A. AND USED IN CANADA ARE NOT COVERED BY THESE WARRANTIES.

PRODUCTS PURCHASED IN CANADA AND USED IN THE U.S.A. ARE NOT COVERED BY THESE WARRANTIES.

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

TCL warrants this LCD TV/DVD 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, TCL WILL, AT TCL'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. YOU MUST DELIVER THE ENTIRE LCD TV/DVD TO AN AUTHORIZED TCL SERVICE DEPOT. YOU MUST PAY FOR ALL TRANSPORTATION AND INSURANCE CHARGES FOR THE TELEVISION TO AND FROM THE SERVICE DEPOT.

### Rental Units

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

### *Limited Warranty for Commercial Units

TCL warrants LCD TV/DVD units sold and used for commercial purposes as follows: all parts are warranted against defects in materials or workmanship for a period of ninety (90) days after the date of original purchase. DURING THIS PERIOD, TCL WILL, AT TCL'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU. YOU MUST DELIVER THE ENTIRE TELEVISION TO AN AUTHORIZED TCL SERVICE DEPOT. YOU MUST PAY FOR ALL TRANSPORTATION AND INSURANCE CHARGES FOR THE TELEVISION TO AND FROM THE SERVICE DEPOT.

### Owner's Manual and Product Registration

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

Register your product online at **www.toshiba.ca** as soon as possible. By registering your product you will enable TCL to provide you with better customer service and improved product support. Failure to register your product does not diminish your warranty rights.

### Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

(1) You must provide your bill of sale or other proof of purchase.
(2) All warranty servicing of this LCD TV/DVD must be performed by an Authorized TCL Service Depot.
(3) These warranties from TCL are effective only if the LCD TV/DVD is purchased in Canada from an authorized TCL dealer and operated in Canada.
(4) Labor charges for installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by these warranties. Reception problems caused by inadequate antenna systems are your responsibility.

(5) Warranties extend only to defects in materials or workmanship as limited above, and do not extend to any television or parts that have been lost or discarded by you or to damage to the television or parts caused by fires, misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TCL; use or malfunction through simultaneous use of this product and connected equipment; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

### How to Obtain Warranty Services

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

(1) To find the nearest TCL Authorized Service Depot, visit TCL's web site at **www.toshiba.ca.**
(2) Present your bill of sale or other proof of purchase to the Authorized Service Depot.

**For additional information, visit TCL's web site:**
**www.toshiba.ca**

ALL WARRANTIES IMPLIED BY THE LAW OF ANY PROVINCE OF CANADA, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE LIMITED WARRANTIES SET FORTH ABOVE. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY THE LAW OF ANY PROVINCE OF CANADA AS HEREBY LIMITED, THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS, AND SIMILAR OBLIGATIONS OF TCL WITH RESPECT TO THE REPAIR OR REPLACEMENT OF ANY PARTS. IN NO EVENT SHALL TCL BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, BUSINESS INTERRUPTION, OR MODIFICATION OR ERASURE OF RECORDED DATA CAUSED BY USE, MISUSE, OR INABILITY TO USE THIS PRODUCT).

No person, agent, distributor, dealer, or company is authorized to change, modify, or extend the terms of these warranties in any manner whatsoever. The time within which action must be commenced to enforce any obligation of TCL arising under this warranty or under any law of Canada or of any province thereof is hereby limited to 90 days from the date you discover, or should have discovered, the defect. This limitation does not apply to implied warranties arising under the law of any province of Canada.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH MAY VARY FROM PROVINCE TO PROVINCE IN CANADA. SOME PROVINCES OF CANADA DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, LIMITATIONS ON THE TIME WITHIN WHICH AN ACTION MAY BE BROUGHT, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES; THEREFORE, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU UNDER SUCH CIRCUMSTANCES.
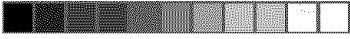
**Appendix**

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# MEMO

Introduction

Connecting your TV/DVD

Setting up your TV/DVD

Using the TV/DVD's Features

DVD Playback

Appendix

# TOSHIBA

Printed in Thailand