

APPENDIX I  
: USER'S MANUAL

# Regulatory compliance statements

## United States of America

### Federal Communications Commission (FCC) Unintentional emitter per FCC Part 15

This device 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 or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, 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 receiver
- Connect the equipment to an outlet on a different circuit from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

**Compliance Accessories:** The accessories associated with this equipment are: shielded video cable. These accessories are required to be used in order to ensure compliance with FCC rules.

### FCC declaration of conformity

This device complies with Part 15 of the FCC Rules. Operation of this device 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.

Changes or modifications not expressly approved by Toshiba could void the FCC compliance and negate your authority to operate the product.

## Canada

### Industry Canada (IC) Unintentional emitter per ICES-003

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par Industrie Canada.

## California Law Proposition 65 Warning

### 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.

## Vermont and Connecticut Mercury Warning

### WARNING



This LCD TV/DVD Combination 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 Industries Alliance: [www.eiae.org](http://www.eiae.org).

# IMPORTANT SAFEGUARDS



## WARNING:

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER 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.

## NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code 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 the cable entry as practical. For additional antenna grounding information, see items 25 and 26 on page 5.

## REGULATORY INFORMATION

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 turning the equipment off and on, 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 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## CAUTION:

Do not attempt to modify this product in any way without written authorization from Toshiba Corporation. Unauthorized modification could void the user's authority to operate this product.

This LCD TV 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 when open. DO NOT STARE INTO BEAM.

# IMPORTANT SAFEGUARDS

(Continued)

## WARNING :

To Reduce The Risk Of Fire Or Electric Shock, Do Not Expose This Apparatus To Rain Or Moisture.

## CAUTION :

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

## Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use the attachments / accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.




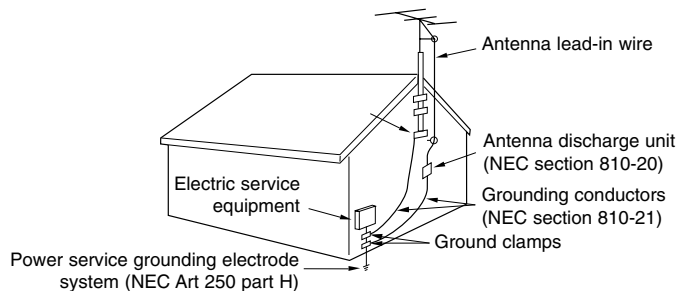
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **CAUTION:** To reduce the risk of electric shock, do not use the polarized plug with an extension cord, receptacle, or other outlet unless the blades can be inserted completely to prevent blade exposure.


## Installation, Care, and Service

### Installation

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

16. Never modify this equipment. Changes or modifications may void: a) the warranty, and b) the user's authority to operate this equipment under the rules of the Federal Communications Commission.
17.  **DANGER: RISK OF SERIOUS PERSONAL INJURY, DEATH, OR EQUIPMENT DAMAGE!** Never place the TV on an unstable cart, stand, or table. The TV may fall, causing serious personal injury, death, or serious damage to the TV.
18. Never place or store the TV in direct sunlight; hot, humid areas; areas subject to excessive dust or vibration; or locations with temperatures at or below 41 °F (5 °C).
19. Always place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit.
20. Never place items such as vases, aquariums, or candles on top of the TV.
21. Never block or cover the slots or openings in the TV cabinet back, bottom, and sides. Never place the TV:
  - on a bed, sofa, rug, or similar surface;
  - too close to drapes, curtains, or walls; or
  - in a confined space such as a bookcase, built-in cabinet, or any other place with poor ventilation.
 The slots and openings are provided to protect the TV from overheating and to help maintain reliable operation of the TV.
22. Never allow anything to rest on or roll over the power cord, and never place the TV where the power cord is subject to wear or abuse.
23. Never overload wall outlets and extension cords.
24. Always operate this equipment from a 120 VAC, 60 Hz power source only.
25. Always make sure the antenna system is properly grounded to provide adequate protection against voltage surges and built-up static charges (see Section 810 of the National Electric Code).




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

# IMPORTANT SAFEGUARDS


(Continued)

## Care

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

27. Always sit approximately 10 –25 feet away from the TV and as directly in front of it as possible. The picture can appear dull if you sit too far to the left or right of the TV, or if sunlight or room lights reflect on the screen. Turn the TV off to check for reflections on the screen, and then remove the source of reflections while viewing the TV.
28. Always unplug the TV before cleaning. Never use liquid or aerosol cleaners.
29.  **WARNING: RISK OF ELECTRIC SHOCK!**  
Never spill liquids or push objects of any kind into the TV cabinet slots.
30. [This item applies to projection TVs only. If the air temperature rises suddenly (for example, when the TV is first delivered), condensation may form on the lenses. This can make the picture appear distorted or the color appear faded. If this happens, turn off the TV for 6 to 7 hours to allow the condensation to evaporate.
31. For added protection of your TV from lightning and power surges, always unplug the power cord and disconnect the antenna from the TV if you leave the TV unattended or unused for long periods of time.
32. During normal use, the TV may make occasional snapping or popping sounds. This is normal, especially when the unit is being turned on or off. If these sounds become frequent or continuous, unplug the power cord and contact a Toshiba Authorized Service Center.

## Service

33.  **WARNING: RISK OF ELECTRIC SHOCK!** Never attempt to service the TV yourself. Opening and removing the covers may expose you to dangerous voltage or other hazards. Refer all servicing to a Toshiba Authorized Service Center.
34. If you have the TV serviced:
  - Ask the service technician to use only replacement parts specified by the manufacturer.
  - Upon completion of service, ask the service technician to perform routine safety checks to determine that the TV is in safe operating condition.
35. When the TV reaches the end of its useful life, ask a qualified service technician to properly dispose of the TV.

# Precautions

## Notes on handling

- When shipping the unit, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the unit. Do not leave rubber or plastic products in contact with the unit for a prolonged period. They 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, be sure to remove any discs and turn off the power.
- The unit may not function properly if you do not use it for a long period of time. It is recommended that you turn the unit on occasionally to prevent potential problems in operation.

## Notes on locating

- Place the unit on a level surface. Do not use it on a shaky or unstable surface such as a wobbling table or inclined stand. The loaded disc may become disaligned and damage 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.

## Notes on cleaning

Use a soft, dry cloth for cleaning.

- For stubborn dirt, soak the cloth in a weak detergent solution, wring well and wipe. Use a dry cloth to wipe it dry.  
Do not use any type of solvent, such as thinner and benzene, as they may damage the surface of the unit.
- If you use a chemical saturated cloth to clean the unit, follow that product's instructions.

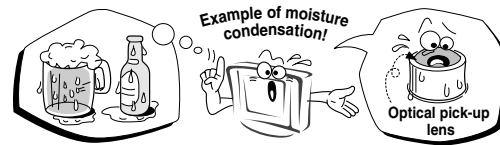
## To obtain a clear picture

The unit is a high technology, precision device. If the optical pick-up lens and disc drive parts are dirty or worn down, the picture quality will deteriorate. To obtain a clear picture, we recommend regular inspection and maintenance (cleaning or parts replacement) every 1,000 hours of use depending on the operating environment.

## Notes on moisture condensation

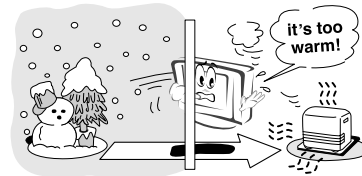
**Moisture condensation damages the unit. Please read the following carefully.**

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



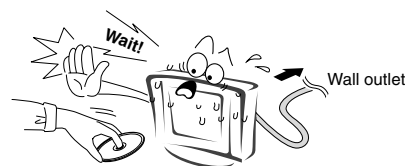
■ **Moisture condensation may occur in the following cases.**

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the unit in a humid place.



■ **Do not use the unit when moisture condensation has occurred.**

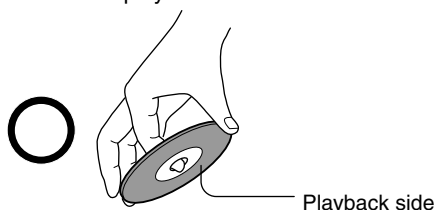
If you use the unit in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the unit to the wall outlet, turn on the unit, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the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



## Notes on discs

### On handling discs

- Do not touch the playback side of the disc.

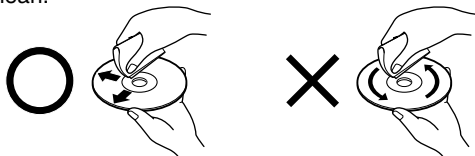


- Do not attach paper or tape to discs.



### On cleaning discs

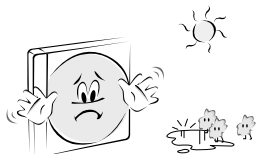
- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.



- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzene, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

### On storing discs

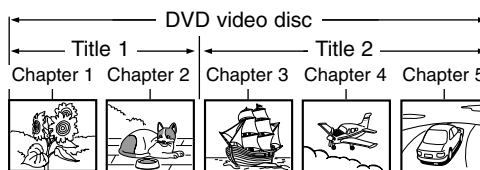
- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.



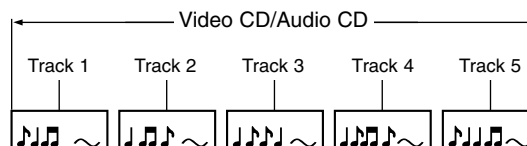
### Structure of disc contents

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

DVD video disc



Video CD/Audio CD

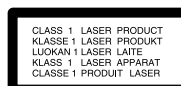


Each title, chapter or track is assigned a number, which is called "title number", "chapter number" or "track number" respectively.

There may be discs that do not have these numbers.

#### Notes

- If an MP3 or JPEG file CD is created using an incorrect method, the player may not be able to recognize it. If this happens, try reburning another CD after setting up the disc writing parameters correctly on your PC.
- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.





**Notes on region numbers**

This DVD player is designed and manufactured for playback of region “1” encoded DVD software. The region code on the labels of some DVD discs indicates which type of player can play those discs. This unit can play only DVD discs labeled “1” or “ALL”. If you try to play any other discs, the message “Check Regional Code” will appear on the TV screen. Some DVD discs may not have a region code label even though their playback is prohibited by area limits.



**On Video CDs**

This DVD 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.

**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.

**Playable discs**

This unit can play the following discs.

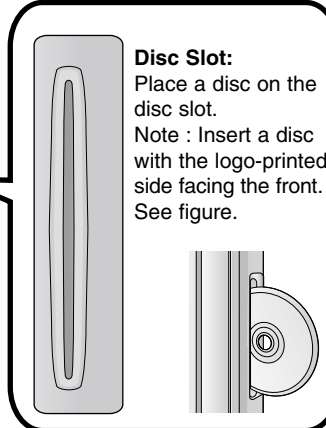
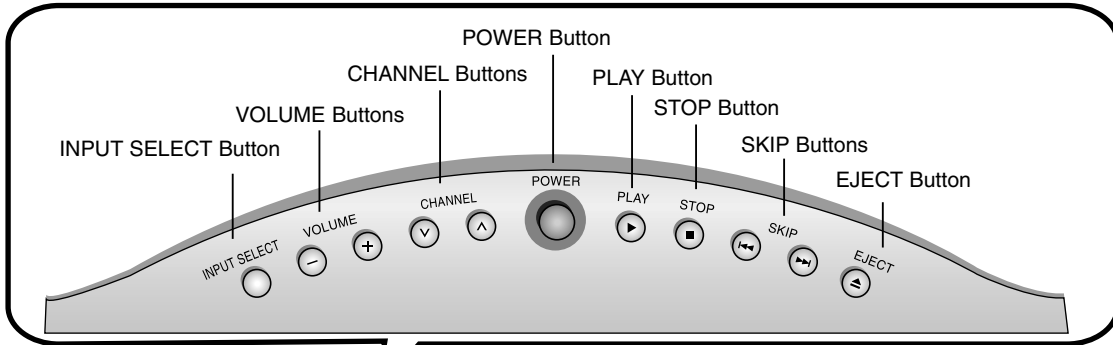
	Disc Mark	Contents	Disc Size	Maximum playback time
DVD video discs		Audio + Video (moving pictures)	12 cm	Approx. 4 hours (single sided disc) Approx. 8 hours (double sided disc)
			8 cm	Approx. 80 minutes (single sided disc) Approx. 160 minutes (double sided disc)
Video CDs		Audio + Video (moving pictures)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

- The following discs are also available.
- CD-R/CD-RW discs of CD-DA, Video CD, MP3, WMA or JPEG format
  - Kodak Picture CD and FUJICOLOR CD format full-stop
- 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 can not 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.).

# Identification of controls

## Front



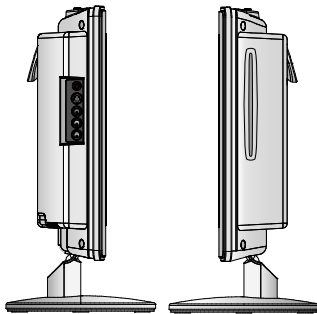
Power/Standby Indicator  
Glowes red in Standby mode,  
Glowes green when the TV is turned on.

Remote Control Sensor

## Side

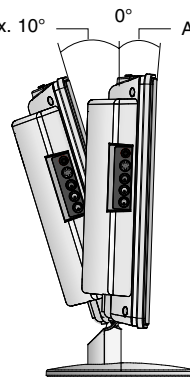
Left Side

Right Side



### Adjusting the angle of the base

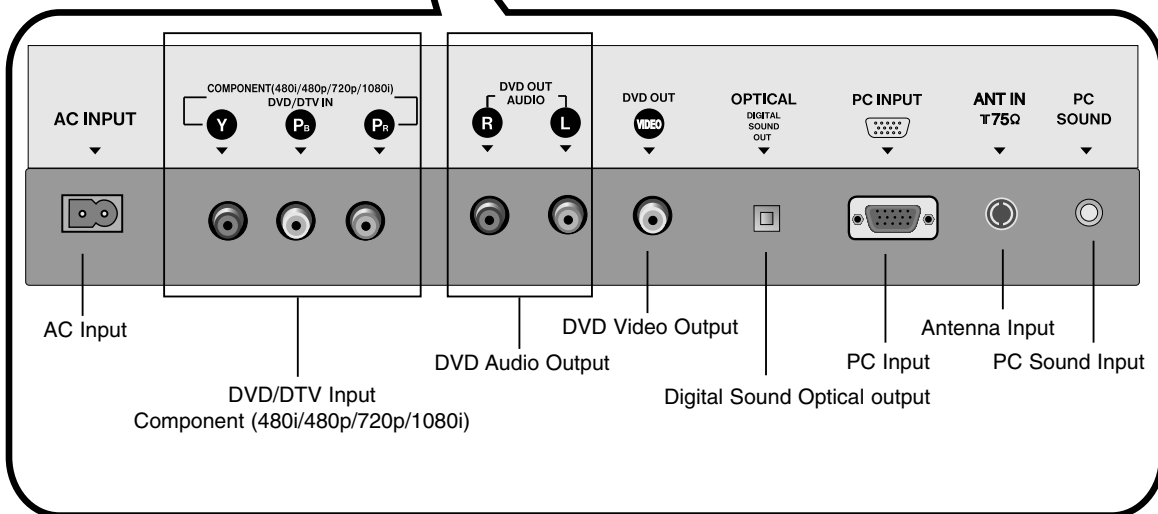
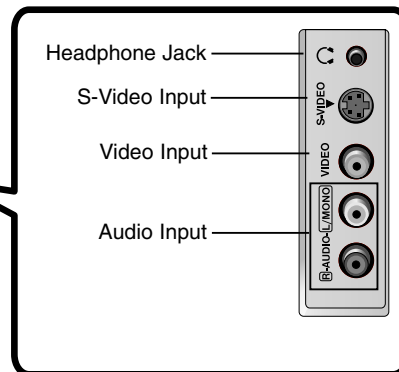
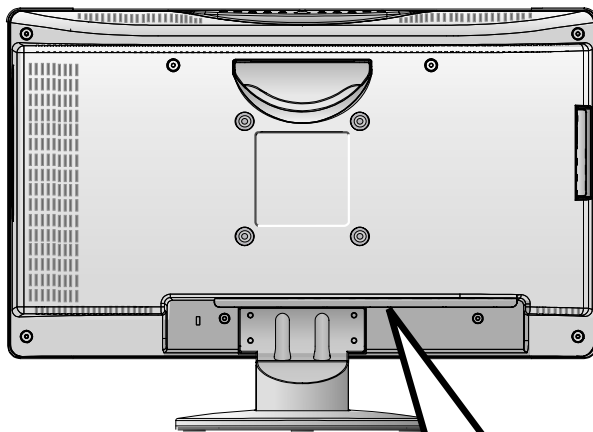
Approx. 10°      0°      Approx. 3°




You can adjust the angle of the TV-screen for 3° forward or for 10° backward from vertical angle.

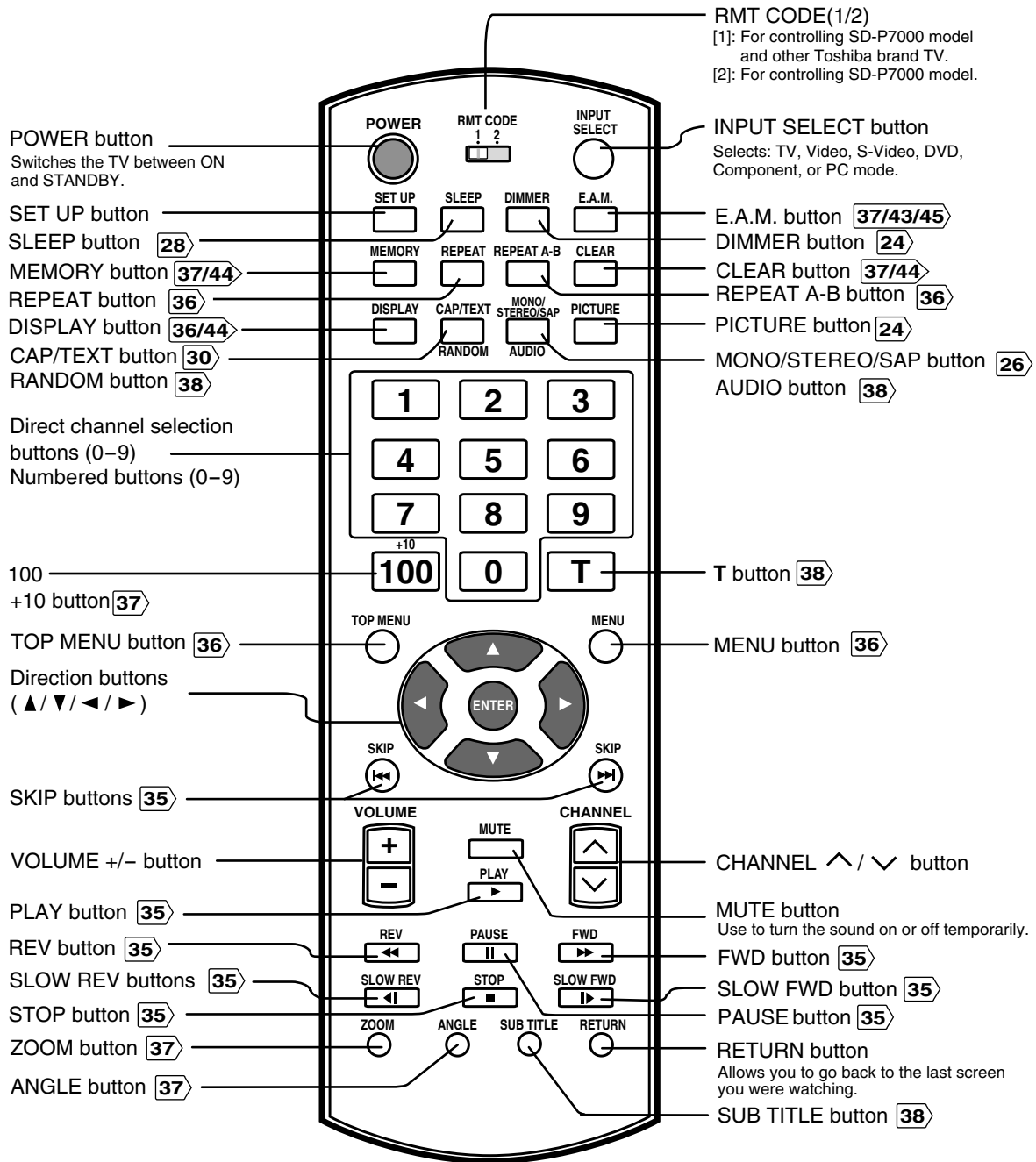
## Identification of controls (Continued)

### Rear



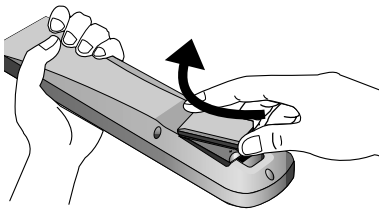
## Remote control

The instructions in this manual describe the function on the remote control. See the page in  for details.

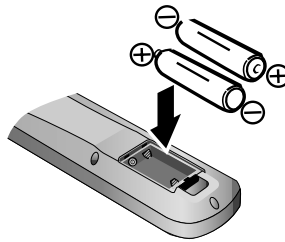


## Inserting batteries

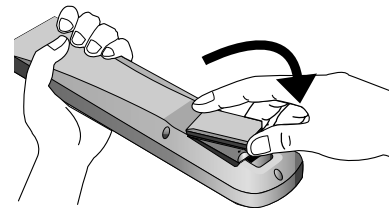
- 1** Slide the battery compartment cover in the direction of the arrow.



- 2** Install two “AAA” batteries (supplied), paying attention to the polarity diagram in the battery compartment.

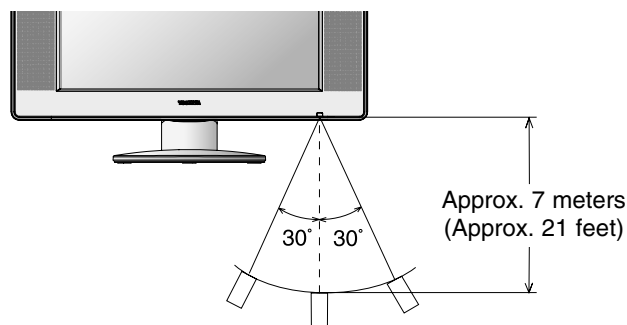


- 3** Replace the compartment cover.



## Operation

- Aim the remote control at the remote sensor and press control buttons to operate.
- Operate the remote control within 30° angle on either side of the remote sensor, up to a distance of approx. 7 meters (Approx. 21 feet).



The precautions below should be followed when using batteries in this device:

1. Use only the size and type of batteries specified.
2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.
4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
5. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture (follow battery manufacturer's directions).
6. Dispose of batteries in a designated disposal area. Do not throw batteries into a fire.

## PC Setup

- After setup, be sure to select RGB-PC source on TV.

### Connections

1. Set the monitor output resolution on the PC before connecting to the TV.
2. Connect the TV to the PC with the PC cable.
3. Connect the PC audio output to the TV's PC SOUND input.

### Viewing Setup

1. Turn on the PC.
2. Use the **INPUT SELECT** button on the remote control to select **PC**.

### Monitor Display Specifications

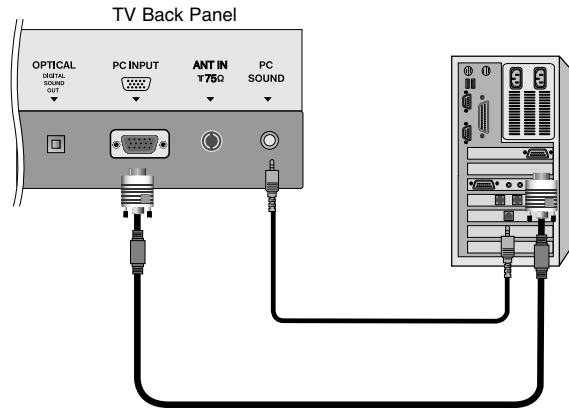
Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
640x480	31.47	60
	35.00	66.67
	37.50	75
800x600	35.16	56.25
	37.88	60
	48.08	72.19
1024x768	46.88	75
	48.36	60
	56.48	70
1280x768	60.02	75
	47.78	60

### NOTES

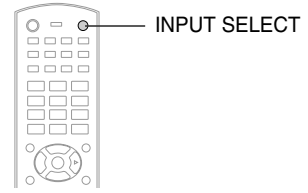
- a. For optimum picture quality, use standard XGA (1024x768) computer output at a 60Hz refresh rate. Using other formats (VGA, SVGA, etc.) or refresh rates may result in reduced picture quality. (To change the computer video output format, please refer to the operating manual for the computer you are using).
- b. If the message "**Out of range**" appears on the screen, adjust the PC output to a format listed in the 'Displayable Monitor Output Format Specifications' chart above.
- c. The synchronization input form for Horizontal and Vertical frequencies is separate.

### DPM (Display Power Management) mode

If the PC goes to power saving mode, the monitor automatically switches to DPM mode.



# TV Operation

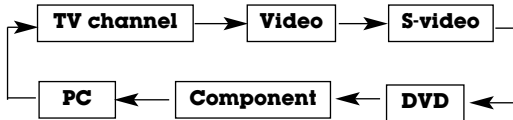


## TV Operation Overview

**1** First, make all equipment connections. Plug the AC power cord into the TV, then plug the AC power cord into a power outlet. Press the **POWER** button located on the TV to turn on the TV. The power indicator will light.

- In standby mode, press the **POWER, CHANNEL, INPUT SELECT** or number button on the remote control to turn the TV on.

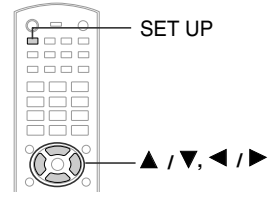
**2** Select the viewing source by pressing **INPUT SELECT** repeatedly.



**Note:**  
See page 22 if you have not auto programmed the TV to receive channels in your local broadcast area.

**3** After viewing, press the **POWER** button on the remote control. The TV reverts to standby mode

**Note:**  
If you want to turn the TV off, press the **POWER** button located on the remote control. If you intend to be away on vacation, disconnect the power plug from the wall power outlet.



## Menu Language Selection

**1** Press the **SET UP** button and then use ▲ / ▼ button to select the **Special** menu.

**3** Press the ► button and then use ▲ / ▼ button to select your desired language.  
From this point on, the on-screen menus will be shown in the language of your choice.

**2** Press the ► button and then use ▲ / ▼ button to select **Language**.

**4** Press the **SET UP** button to save and return to TV viewing.



# Lock Options

## Lock options

Parental Control can be used to block specific channels, ratings and other viewing sources.

The Parental Control Function (V-Chip) is used to block program viewing based on the ratings sent by the broadcast station. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen to be blocked. It is also possible to block all program viewing for a time period. To use this function, the following must be set :

1. Ratings and categories to be blocked.
2. Set a password
3. Enable the lock

### V-Chip rating and categories

Rating guidelines are provided by broadcast stations. Most television programs and television movies can be blocked by TV Rating and/or Individual Categories. Movies that have been shown at the theaters or direct-to-video movies use the Movie Rating System (MPAA) only.

#### For Movies previously shown in theaters :

##### Movie Ratings :

- Unblocked
- G and Above (general audience)
- PG and Above (parental guidance suggested)
- PG-13 and Above (13 years and older)
- R and above (restricted)
- NC-17 and Above (18 years and older)
- X (adult)

If you set PG-13 and Above : G and PG movies will be available , PG-13, R, NC-17 and X will be blocked.

#### For Television programs including made-for-TV movies:

##### General TV Ratings:

- Unblocked
- TV-G and Above (general audience) (individual categories do not apply)
- TV-PG and Above (parental guidance suggested)
- TV-14 and Above (14 years and older)
- TV-MA (mature audience)

##### Children TV Ratings:

- Unblocked
- TV-Y and Above (youth) (individual content categories do not apply)
- TV-Y7 (youth, 7 years and up)

##### Content Categories:

- Dialog - sexual dialogue (applies to TV-PG and Above, TV-14)
- Language - adult language (applies to TV-PG and Above, TV-14 and Above, TV-MA)
- Sex scenes - sexual situations (applies to TV-PG and Above, TV-14 and Above, TV-MA)
- Violence (applies to TV-PG and Above, TV-14 and Above, TV-MA)
- F Violence - fantasy violence (applies only to TV-Y7)

#### For Canadian English/French language rating system:

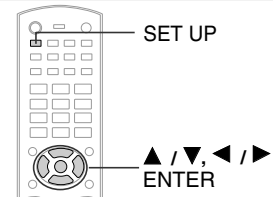
##### Canadian English language rating system:

- C and Above (Children)
- C8+ (8 years and older)
- G and Above (General programming. Suitable for all audiences.)
- PG and Above (Parental guidance suggested)
- 14+ (Viewer 14 years and older)
- 18+ (Adult programming)

##### Canadian French language rating system:

- G and Above (General)
- 8 ans+ (8 years and older)
- 13 ans+ (13 years and older)
- 16 ans+ (16 years and older)
- 18 ans+ (Adults only)

## PC Menu Options

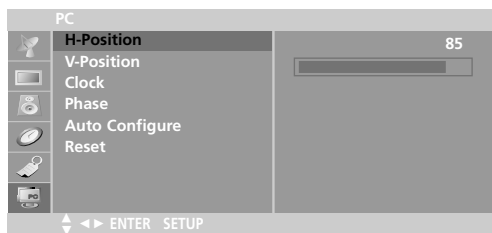


### PC menu

- After setup, be sure to select PC source to see the PC image on TV screen.

**1** Press the **SET UP** button and then use **▲ / ▼** button to select the **PC** menu.

**2** Press the **▶** button and then use **▲ / ▼** button to select desired item.



**3** Use the **◀ / ▶** button to make appropriate adjustments.

- **H-position/V-position**  
Adjusts picture left/right and up/down. The adjustment ranges of H-Position is 0~100. (Based on the input mode, the adjustment range may change.)
- **Clock**  
Minimizes any vertical bars or stripes appearing on the screen background. The adjustment range is 0~100. (Based on the input mode, the adjustment range may change.)
- **Phase**  
Remove any horizontal noise and clear up or sharpen the character images. The range adjustment is 0~100. (Based on the input mode, the adjustment range may change.)
- **Auto-configure**  
Automatically adjusts the screen position, clock, and clock phase. (The displayed image will disappear for a few seconds while Auto-configuration is in progress.)
- **Reset**  
Returns to the default settings programmed at the factory; default settings cannot be changed.

**4** Press the **ENTER** button to save.

# Specifications

## General

Power supply	AC 120V~ 60 Hz 1.2A
Power consumption	Operation: 65 W, Stand by: 2 W
Speaker	4 ohm x 2
Audio output power	3 W + 3 W
Weight	16.8 lbs (7.62 kg)
Dimensions	Width: 20.24 inches (514 mm) Height: 14.47 inches (367.5 mm) Depth: 7.09 inches (7.09 mm)
Tuner	VHF 2~13 UHF 14~69 Cable 01~125
Antenna input	UHF/VHF: 75Ω coaxial
Applicable disc	DVD (12 cm, 8 cm), CD (12 cm, 8 cm)
Frequency range	DVD: 4 Hz-22 kHz, CD: 4 Hz-20 kHz
Operating conditions	Temperature: 0°C-35°C

## Input/Output

Video input	1.0 V (p-p), 75Ω, negative sync., RCA jack x 1
Audio input	400mVrms, 470 kΩ, negative sync., RCA jack (L/R) x 1
S-Video input	(Y) 1.0 V (p-p), 75Ω, negative sync., Mini DIN 4-pin x 1 (C) 0.286 V (p-p), 75Ω
Component input	(Y) 1.0 V (p-p), 75Ω (Pb) 0.7 V (p-p), 75Ω (Pr) 0.7 V (p-p), 75Ω
PC input	15-pin D-Sub
PC sound input	800mVrms, 470 kΩ, negative sync., Stereo Mini jack x 1
DVD video output	1.0 V (p-p), 75Ω, negative sync., RCA jack x 1
DVD audio output	400mVrms, RCA jack(L/R)x1
Audio output (SPDIF)	Optical connector 2.4V/10pF
Headphone output	ø 3.5mm stereo mini jackx1

## Supplied accessories

Remote control .....	1
Batteries (AAA) .....	2
Power cord .....	1

- Designs and specifications are subject to change without notice.
- This model complies with the above specifications.
- Bullet listed above.
- This model may not be compatible with features and/or specifications that may be added in the future.