TOSHIBA

Leading Innovation >>>

OWNER'S MANUAL

Integrated Digital LCD TV



238 L900A

Owner's Record

You will find the model number and serial number on the back of the TV. Record these numbers in the spaces provided below. Refer to them whenever you call upon your TOSHIBA dealer regarding this product.

Model number:	
Serial number:	

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Introduction

Welcome to Toshiba

- Thank you for purchasing this Toshiba LCD Colour Television. This manual will help you use the exciting features of your new TV.
- Instructions in this manual are based on using the remote control and not the buttons on the television.
- Please read all safety and operating instructions in this manual carefully, and keep the manual for future reference.

Important Safety Instructions

Be sure to observe the following instructions and precautions to ensure safe use of this TV.

Warning: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions. See page 3.

Installation

 Always connect the power plug to an appropriate electrical outlet equipped with 220-240V, AC 50Hz.

Never use the TV outside the specified voltage range. It may cause a fire or an electric shock.

- Never insert or remove the power plug with wet hands.
 This may cause an electric shock.
- Never place the TV in an unstable location such as on a shaky table, incline or location subject to vibration.

The TV may drop or fall off which may cause an injury or damage.

- Never block or cover the slots and openings in the cabinet.
 - Never place the TV so that it is facing upward or on its side.
 - Never place the TV in a closet, bookcase or other similar area where the ventilation is poor.
 - Never drape a newspaper, tablecloth or curtain on the TV.
 - When installing the TV against a wall, always keep the TV at least 10cm away from the wall.
 - Never place the TV on a soft unstable surface, such as a carpet, or a cushion.

The inside of this TV will overheat if the ventilation holes are covered, blocked or sealed, which may result in a fire.

Never place the TV near a heater or in direct sunlight.

The surface of the cabinet or power cord may melt and result in a fire or an electric shock.

6) Never place the TV in an area exposed to high humidity levels, such as in a bathroom or close to a humidifier.

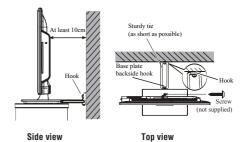
This may cause a fire or an electric shock.

 Never place the TV next to a stove where it will be exposed to oil, smoke, or steam, or in a location where there is a large quantity of dust.

This may cause a fire or an electric shock.

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

To secure the TV, use a sturdy strap from the base plate backside hook to a wall stud, pillar, or other firm immovable structure. Make sure the strap is tight, secure, and parallel to the floor.



Wall mounting of the TV should only be performed by qualified serving personnel. Use only with the wall bracket specified by the manufacturer.

- bracket specified by the manufacturer.
- Panhead Screw: advisedRoundhead screw: a washer is required
- required

 3 4 Flathead screw: can not be used



- The screw type is dependent on the actual mounting surface. The metric thread size is 3.8-4.1mm
- Place the stand on a stable, level surface and secure the TV set by using a single screw (not supplied) through the fall prevention screw hole.
- Make sure to secure your TV set to a firm and adequately thick surface.

9) Precautions for moving the TV

When moving the TV, be sure to remove the plug from the wall outlet and disconnect the antenna and audio/video cables, as well as any steady ties.

Fire or electric shock may result if the power cord is damaged.

When carry the TV, at least two people are needed. Be sure to carry it upright.

Never carry the TV with the screen facing up or down.

10) Precautions for installing an outdoor antenna

An outside antenna system should not be located in the vicinity of overhead power lines, or other electric light or power circuits.

If the antenna falls down or drop, it may cause injury or electric shock

Use

 Never place hot objects or open flame sources, such as lighted candles or nightlights, on or close to the TV.
 High temperature can melt plastic and lead to fires.

 The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquid, such as vases, shall be placed on the apparatus.

When liquids are spilled or small items are dropped inside the TV, this may cause a fire or an electric shock. If small objects drop inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician.

 Never insert objects (metal or paper) or pour water inside the TV through ventilation holes or other openings.

These items may cause a fire or an electric shock. If these objects are inserted inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician. Be specially careful that children do not insert objects in the TV.

4) Never stand or climb on the TV.

Be specially careful in households with children to prevent them from climbing on top of the TV. It may move, fall over, break, become damaged or cause an injury.

- When the TV will not be used for a long period of time, such as during vacation or travel, remove the power plug from the wall outlet for safety.
 - The TV is not completely disconnected from the power supply line, as minute current is consumed even when the power switch is turned off.
 - The mains plug or an appliance coupler is used as the disconnect device, therefore the disconnect device shall remain readily operable.
- Never pull on the power cord when removing the plug from the wall outlet.

Always hold the plug firmly when removing it. If the power cord is yanked, the cord may become damaged and a fire or an electric shock may occur.

 Never cut, break, modify, twist, bunch up or bend the cord or apply excessive force or tension to it.

> Never place heavy objects on the power cord or allow it to overheat as this may cause damage, a fire or an electric shock. Contact a service technician if the power cord is damaged.

 If there is thunder or lightning, never touch the antenna cable or other connected cables.

You may suffer an electric shock.

Service

- Never repair, modify or disassemble the TV by yourself.
 It may cause a fire or an electric shock. Consult a service technician for inspection and repair.
- When a malfunction occurs, or if smoke or an unusual odour comes from the TV, turn off the TV and remove the power plug from the outlet immediately.

Make sure that the smoke or smell has disappeared, then contact a service technician. If the TV is still used in this condition, it may cause a fire or an electric shock.

 If the TV is dropped or the cabinet is broken, turn off the TV and remove the power plug from the outlet immediately.

> If the TV is still used in this condition, it may cause a fire or an electric shock. If the cabinet is broken, be careful when handling the TV to prevent an injury. Contact a service technician for inspection and repair.

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

Note:

The lamp unit contains a small amount of mercury.

Disposal of mercury may be regulated due to environmental considerations.

Dispose of the used lamp unit by the approved method for your area. For disposal or recycling information, please contact your local authorities.

Cleaning



Avoid using chemicals (such as air refreshers, cleaning agents, etc.) on or near the TV pedestal. Studies indicate that plastics may weaken and crack over time from the combination effects of chemical agents and mechanical stress (such as weight of TV). Failure to follow these instructions could result in serious injury and/or permanent damage to TV and TV pedestal.

1) Remove the power plug before cleaning.

Never use solvents such as gasoline or thinner to clean the TV

- These solvents may distort the cabinet or damage its finish
- If rubber or vinyl products remain in contact with the TV for a long time, a stain may result.

If the cabinet becomes dirty, clean it with a soft, dry cloth. When cleaning the surface of the LCD screen, wipe the panel surface gently with a soft, dry cloth.

Periodically disconnect the power plug from the outlet and check it.

If dust has collected on the power plug connectors, clean off the dust with a dry cloth.

The dust may cause a fire due to reduced insulation on the plug.

Notes on discs



THIS UNIT IS A CLASS I LASER PRODUCT. HOWEVER THIS UNIT USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED BE SURE TO OPERATE THE PLAYER CORRECTLY AS INSTRUCTED.

- · Do not touch the playback side of the disc.
- Do not attach paper or tape to discs.
- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.
- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

1) Notes on region numbers

The region number of this TV/DVD combo is 4. If region numbers, which stand for their playable area, are printed on your DVD and you do not find of a discount playback will not be allowed by the player. (In this case, the TV/DVD combo will display a message on-screen.) Some DVDs that have no region code label may still be subject to area restrictions and therefore not playable.

2) Playable discs

Using this TV/DVD combo, you can playback the following discs. Some of these discs may be incompatible.

DVD Video disc (Digital \ersatile Disc)



DVD-R/RW (DVD Recordable/Rewritable), DVD-R DL (Dual layer) of DVD Video format or Audio/Video formats (e.g., MP3, JPEG files).



CD-R (CD-Recordable) Audio/Video formats (e.g., MP3, JPEG files).



CD-RW (CD-Rewritable) Audio/Video formats (e.g., MP3, JPEG files).



Audio CD (Compact Disc Digital Audio)



Video CD (Formats 1.0, 1.1, 2.0)

- You cannot play discs other than those listed above.
- You cannot play discs of DVD-RAM, DVD-ROM, CD-ROM, Photo CD, etc., or non-standardized discs even if they may be labelled as above.
- Some DVD-R/RWs and CD-R/RWs cannot be played back depending on the recording conditions.
- This TV/DVD combo uses the PAL colour system, and cannot play DVD video discs recorded in any other colour system (NTSC, SECAM, etc.).
- · This DVD module does not support 8cm discs.
- Please do not insert any discs of an irregular shape into the TV/DVD combo, as it may interfere with the function of the TV/DVD combo. You may not be able to remove it.
- Please do not use after market accessories, such as a ring protector, as this may cause trouble with the operation of the TV/DVD combo.

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

Important information

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the television on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.

Place the TV on a stable, level surface that can support the weight of the TV. In order to maintain stability and prevent it falling over, secure the TV to the level surface using the strap located under the table top stand, or, to a wall using a sturdy tie to the clip on the back of the table top stand.

1) About LCD screen

- If you have the LCD screen facing to the sun, the LCD screen will be damaged.
- Be aware of locating the TV in the place such as window side or outside of the room.

2) About cabinet and LCD screen

Never spray volatile compounds such as insecticide on the cabinet and LCD screen.

This may cause a discolouration or damage the cabinet and LCD screen.

3) Some pixels of the screen do not light up

The LCD display panel is manufactured using an extremely high level of precision technology, however, sometimes some pixels of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.

Note: Interactive video games that involve shooting a "gun" type of joystick at an onscreen target may not work with this TV.

4) About interference

The LCD display may cause interference in image, sound etc. of other electronic equipment that receives electromagnetic waves (e.g. AM radios and video equipment.)

About using under low temperature places

If you use the TV in a room of 0°C or less, the picture brightness may vary until the LCD display warms up. This is not a sign of a malfunction.

6) About afterimage

If a still picture is displayed, an afterimage may remain on the screen, however, it will disappear soon. This is not a sign of malfunction.

Exemptions

- Toshiba is not liable for any damage caused by fires, natural disaster (such as thunder, earthquake, etc.), acts by third parties, accidents, owner's misuse, or uses in other improper conditions
- Toshiba is not liable for incidental damages (such as profit loss or interruption in business, modification or erasure of record data, etc.) caused by use or inability to use of product.
- Toshiba is not liable for any damage caused by neglect of the instructions described in the owner's manual.
- Toshiba is not liable for any damage caused by misuse or malfunction through simultaneous use of this product and the connected equipment.

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· **DV3**

DVB is a registered trademark of Digital Video Broadcasting Project.

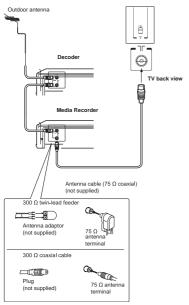
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- is a trademark of DVD Format/Logo Licensing Corporation.
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Getting started

Connecting an antenna

Optimum reception of colour requires a good signal and will generally mean that an outdoor antenna must be used. The exact type and positioning of the antenna will depend upon your particular area. Your Toshiba dealer or service personnel can best advise you on which antenna to use in your area. Before connecting the antenna cable, turn off all main power switches.



Exploring your new TV

Installing the remote control batteries

Remove the battery cover.

Insert two AAA, 1.5V batteries matching the -/+ polarities of the battery to the -/+ marks inside the battery compartment.



Cautions:

- Dispose of batteries in a designated disposal area. Batteries
 must not be exposed to excessive heat such as sunshine, fire
 or the like.
- Attention should be drawn to the environmental aspects of battery disposal.
- Never mix battery types or combine used batteries with new ones.

Notes:

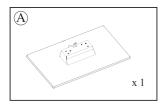
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace both batteries with new ones.
- If the batteries are dead or if you will not use the remote control for a long time, remove the batteries to prevent battery acid from leaking into the battery compartment.

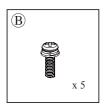
Effective range

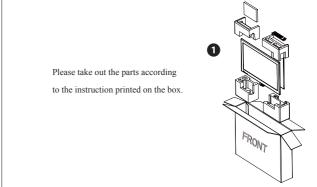


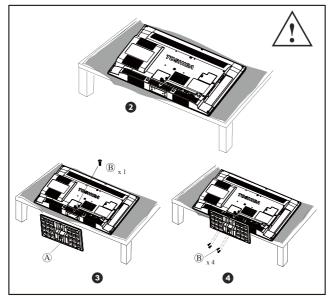
Stand assembly instructions

Parts included in box









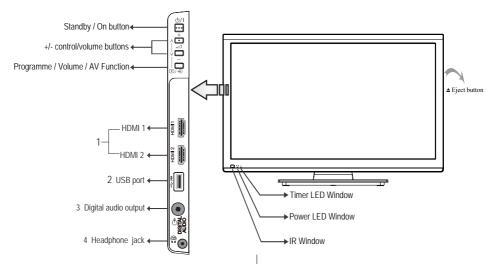
CAUTION: Before beginning pedestal assembly, carefully lay the front of the LCD panel face down on a flat, cushionedsurface such as a quilt or blanket. Leave the bottom of the unit protruding over the edge of the surface and assemble asindicated above. Avoid using chemicals on or near TV pedestal or serious injury could result.

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

Warning: To prevent possible electric shock, protect the power cord from being pinched when attaching the pedestal stand.

TV front and side panel controls

You can operate your TV using the buttons on the TV control panel or the remote control. The back and side of the panel provide the terminal connections to connect other equipment to your TV. (Refer to page 23 *Connecting your TV*)



Using the control buttons on the side of the TV:

- To alter the programme position, press + or -. If the programme does not change, press ₱/ once and press + or - again.
- To select an external input, press and hold the ₱/-ø
 button until the "Input Source" list is displayed. To select an
 external input, press ₱/-ø repeatedly until the appropriate
 input source is selected.
- . To eject/insert the disc, press ≜ Eject button

Using the terminals on the side panel:

- HDMI 1 and HDMI 2: High-Definition Multimedia Interface input receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device.
 - (Refer to page 23 Connecting an HDMI or a DVI device)
- 2. USB port: For use when inserting a USB device.
- Digital audio output terminal: For use when connecting an amplifier with coaxial type digital audio input.
- 4 Headphone jack: For use with headphones.

Notes:

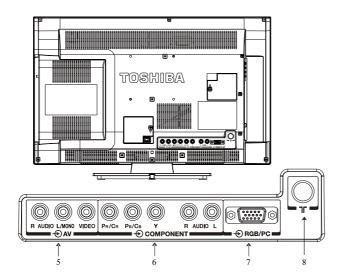
- Please always refer to the owner's manual of the equipment to be connected for full details.
- Inserting the headphone plug will mute the sound from all speakers.

Using the control panel on the front of the TV:

□/● IR Window	Point your remote control at this area when selecting programme position or adjusting the volume level, etc.
Timer LED Window	Green LED: On Timer/EPG Timer On.
め / Power LED Window	Red LED: Standby Green LED: Power On

TV back panel connections

Before connecting any external equipment, turn off all main power switches. If there is no switch, remove the mains plug from the wall socket.

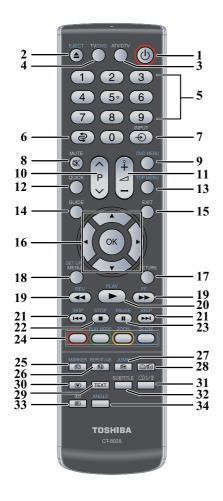


- 5. AV terminal: Standard video and standard audio inputs
- Component input terminals: For use when connecting a high-definition component video device with standard audio output.
- 7. RGB/PC Input terminals: For use when connecting a computer. (Refer to page 25 Connecting a computer)
- 8. Antenna input terminal: Analogue TV/Digital DVB-T antenna signal input.

Learning about the remote control

Location of controls

Simple at-a-glance reference of your remote control.



Note: The blue letters above the buttons mean it is available for DVD function.

- 1. For On/Standby mode.
- 2. To eject/insert the disc.
- 3. To toggle between ATV and DTV mode.
- 4. To toggle between TV and DVD mode.
- 5. Number buttons.
- 6. To return to the previous programme.
- 7. To select input from external sources.
- 8. To mute the sound.
- 9. To display DVD root menu.
- 10. To change the programme.
- 11. To alter the volume.
- 12. To display Quick Access menu.
- 13. To display title menu.
- 14. To display the programme guide.
- 15. To exit menus.
- 16. ▲, ▼, ◀, ►: To move up, down, left or right in the on-screen menu.
 - OK: To confirm the selection.
- 17. To return to the previous level of the on-screen menu.
- 18. In DVD mode:
 - To display on-screen menu when DVD is in playback;
 - To display DVD menu when DVD is not in playback.
 - In TV mode: to display on-screen menu.
- 19. To do a forward/reverse search under DVD playback.
- 20. To start a DVD playback.
- 21. To skip to previous/next chapter or track.
- 22. To stop DVD playback.
- 23. To pause DVD playback.

24. Colour buttons: Text control buttons in TV mode.

Blue letter buttons in DVD mode:

PLAY MODE: To select a repeat play option among Chapter, Title, All and Repeat Off;

ZOOM: To enlarge a picture;

SLOW: To do a slow forward.

25. (a) To reveal concealed text in TV mode.

MARKER To set a bookmark in DVD mode.

26. To hold a wanted page in TV mode. REPEAT A-B To repeat playback from point A to B on a disc in DVD mode.

27. Dro enlarge text display size in TV mode.

To jump to the chapter/ track you like

in DVD mode.

28. ☑/☑ To displayclock on TV screen in normal

picture mode.

To toggle between Teletext and normal picture mode.

- 29. To call up Teletext services.
- 30. Still picture.
- 31. Stereo/Bilingual transmissions.
- 32. To turn the subtitle on/off.
- 33. In TV mode: To display on-screen information.

In Text mode: To access index page.

34. To switch the camera angle during playback.

Learning about the menu system

We suggest you familiarize yourself with the display charts before using the menu system:

- Press MENU to display menu, then press ◀ or ▶ to select main menu headings.
- Press **OK**, then press **△** or **▼** to select sub menu headings.
- Press OK, ◀ or ▶ to select the required choice. Follow the on-screen instructions. (The functions of each menu are described in detail throughout the manual).
- Press RETURN to return the previous lever of the on-screen menu
- · If you want to close the menu, press EXIT.

TV menu chart







SETUP menu



APPLICATIONS menu



PREFERENCES menu



Note for menu system:

• If you do not make a selection for a while, the menu display disappears automatically.

Turning on the TV

Switching on the TV

Connect the power cord to a wall outlet, the power indicator lights in red (standby mode).

Press the button on the remote control or the button on the TV set to turn on the TV

Switching off the TV

Press the (1) button on the remote control or the (1) button on the TV set to switch to the standby mode.

- This TV is not fully disconnected from the main supply, as minute current is consumed even when the TV is turned off. When the TV will not be used for a long period of time, such as during vacation or travel, remove the power plug from the wall outlet.
- . If power is cut off while you are viewing the TV, the Last Mode Memory function turns on the TV automatically when power is applied again. If power is going to be off for a long time and you are going to be away from your TV, unplug the power cord to prevent the TV from turning on in your absence.

Initial Installation

Before switching on the television put your decoder and media recorder to Standby if they are connected and ensure the antenna is connected to your television. To set up the television, use the buttons on the remote control as described on page 11.

Connect the mains plug and switch the TV on using the side standby switch. Then the initial setup wizard will be displayed. This wizard will appear the first time that the television is switched on and each time the television is reset

> Welcome to use the Wizard for Initial Setup!! Please press [OK] to start the wizard.

- 2. Press the OK button to start the wizard.
- Select your **Region** by pressing the ▲ or ▼ button, then press **OK** or ▶ to enter the next step.
- Select your location by pressing the ▲ or ▼ button, then press **OK** or ▶ to enter the next step. The location options include Home and Store.

You can select either Home or Store mode.

- · Press OK to enter the next step.
- Press ▲ or ▼ to select Scan, then press OK or ► to automatically start searching for all available channels.

Notes:

- Home is recommended for normal home use. Select Store when using a TV for displaying in a shop, etc.
- The searching progress bar will move along the line. You must allow the television to complete the search.
- You can also skip the initial setup process by selecting Skip Scan
- During the setup, you can follow the hints available at the bottom of the screen to return to the previous step by pressing the

 ■ button.
- After the initial setup finishes, press OK to display the channel list.

Setting the programmes

- Press MENU, use

 or

 to select SETUP, then press OK to enter.
- Select Channel Install by pressing the ▲ or ▼ button, then
 press OK or ▶ to enter the next step. The channel install
 options include Automatic Search, Analogue Manual Scan
 and Digital Manual Tune.



Automatic Search



Press the ▲ or ▼ button to select **Automatic Search** and press **OK** to enter. The options include **Digital & Analogue**, **Digital** and **Analogue**. Use the ▲ or ▼ button to select one, then press **OK** to start channel scan.

Analogue Manual Scan



Press the ▲ or ▼ button to select Analogue Manual Scan, and press OK to enter. Use the ◀ or ▶ button to select your System, then press the ▲ or ▼ button to select Search and press OK to start channel scan. After scanning, select Store Current Channel or Store as New Channel to store selected channels

Digital Manual Tune



Press the ▲ or ▼ button to select **Digital Manual Tune**, and press **OK** to enter the next step. Use the number buttons to input the frequency you want, then press **OK** to start channel scan.

- After searching, the menu will remain on the screen for 10 seconds, then the TV will enter the channel you searched.
 Press P on the remote control to browse all channels you searched.
- 4. Press **RETURN** to go back to the previous menu. Press **EXIT** to exit.

General Control

Selecting programme positions

After you have tuned the TV, you have several ways to navigate through all programmes:

- Press the Number buttons (a channel number has 3 digitals) and you may omit the leading zeroes, which will be appended automatically; (Please note that if you have channels with different frequencies but the same channel number, the TV will always tune to the first channel that has been stored into the channel database. To view the other duplicating channels, you can select the channels by using the P, buttons.)
- Press P to view the previous and next programme. The channels are arranged in ascending order according to the channel number.
- Press OK when there is no menu on the screen. The Channel List will appear. You can use ▲ or ▼ to choose the programme you want. Then, press OK to show the programme.

Switching between two programme positions

You can switch two programme positions without entering actual position number each time.

- 1. Select the first programme position you want to view.
- 2. Select the second programme position with the Number buttons (0-9).
- 3. Press (a), the previous channel will be displayed. Each time you press (b) the TV will switch back and forth between the two programme positions.

Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time programme positions are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

Stereo: Press OI/I to select Stereo or Mono.

Bilingual: Bilingual transmissions are rare. If they are transmitted the word **Dual** will display. Choose the required programme number and if the word **Dual** appears press O I/II to select **Dual 1**. **Dual 2** or **Mono**.

Time Display

The time display facility allows the current broadcasted time to be seen on the television screen.

Press (1) (2) on the remote control while watching a normal television broadcast to see the time display from the broadcaster. It will remain on screen for about 5 seconds.

Quick Access

Quick Access helps you access some options quickly such as Picture Mode, Picture Size, Media Player and REGZA-LINK. Press the QUICK button to display the Quick Access menu and press ▲ or ▼ to select the option you'd like to change.

Information

The on screen information will give the details of the channel programme currently being viewed.

- Press (1), the information screen will appear giving details of the programme and event currently being viewed.
- 2. Press 1+ again to close the information screen.

EPG (Electronic Programme Guide)

 Display the Electronic Programme Guide for digital channels by pressing GUIDE, and the TV guide will appear as below.



- Press ▲ or ▼ to navigate through different channels and use ◀ or ▶ to navigate through different programmes.
- Press the red button to list out the previous day's programmes. Press the green button to list out the next day's programmes.
- Press the yellow button to check detailed information, if available, on a highlighted programme.
- To display the programme filter, press the blue button.
 Use ▲ or ▼ to select Type.
- Press QUICK to bring up the schedule list menu. The options include:

Channel Number: Select the channel you want to watch

Start Date: Set the watching date.

Start Time: Set the starting time of watching.

Repeat type: Set a repeat type for reminder.

Use ▲/▼ or ◀/▶ to select Add and press OK to add the schedule into your schedule list. When the time you set comes, a message will pop up to remind you to switch to the scheduled channel.

 Press 0 to check all your schedule list information. If you want to reedit or delete a schedule, use ▲ or ▼ to select it and press OK to enter. Press the red button to add more schedules

Changing Picture Format

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats. Press the QUICK button and select Picture Size. Press OK to display the option list, including Wide, 4:3 Stretch, Super Live, 14:9, Subtitle, and Cinema. Use the ▲ or ▼ button to select one format.

"Note: Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws."

Wide	Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9 etc.) black bars may be visible on the top and bottom of the screen.	
4:3 Stretch	Use this setting to view a true 4:3 broadcast.	
Super Live	This stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the screen, without making the picture appear unnatural. The top and bottom of the picture are slightly cut off.	
14:9	This zooms up the wide picture (14:9 aspect ratio) to the upper and lower limits of the screen.	
Subtitle	When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.	
Cinema	This zooms up the wide picture (16:9 aspect ratio) to the full screen.	

Using the TV's features (General)

Picture

Press MENU and select PICTURE by using the ◀ or ▶ button Press OK to enter the PICTURE menu



Picture Settings: press **OK** to enter its submenu. The options are as below.

Picture Mode: selects a suitable picture effect. The options include Standard, Dynamic, Mild, User and Movie.

Back Light: sets the backlight level.

Contrast: sets the lightness and darkness values of the picture.

Brightness: sets the brightness value for the picture.

Colour: sets the colour value for the picture.

Tint: sets the tint of the colour.

Sharpness: sets the sharpness value.

Black/White Level: sets the black/white level. The options include Off, Low, Middle and High.

Cinema Mode: turns on or off the cinema mode.

Colour Temperature: press OK to display its submenu.

You can set Medium, Warm, Cool and User.

Game Mode: turn on or off the game mode. (not available in TV mode.)

Reset: press **OK** and confirm OK to restore all picture settings to the default.

Active Backlight Control: enables or disables the active backlight control feature.

3D Colour Management: enables or disables the 3D colour management feature. When set to On, the feature is enabled and the **Base Colour Adjustment** is available.

Base Colour Adjustment: press OK to enter its submenu. You can make adjustment for individual colours, Red, Green, Blue, Yellow, Magenta and Cyan to suit personal preference. Or you can select Reset and press OK to restore all the colour adjustment to the default.

DNR: selects an option from Off, Low, Middle and High.

MPEG NR: selects an option from Off, Low, Middle and High.

Press RETURN to go back to the previous menu.

Press EXIT to exit.

Sound

Press MENU and select SOUND by using the ◀ or ▶ button. Press OK to enter the SOUND menu.



Dual: sets Dual1 or Dual2, if available, for an analogue TV.

Base: sets the base.

Treble: sets the treble.

Balance: sets the balance.

Bass Boost: when turned on, enhances the depth of the sound.

Surround Sound: turns on or off the surround sound feature.

Stable Sound: when turned on, reduces the volume level differences between channels.

Dynamic Range Control: enables or disables the dynamic range control feature. (Only available in TV and HDMI modes)

Digital Audio Output: press OK to enter its submenu.

Audio Format: selects an audio format, PCM or Auto.

Note: When in HDMI mode, the Audio Format option is grayed out and set to PCM only.

Audio Delay: sets to Auto or Manual for audio delay.

Audio Delay Time (ms): sets the audio delay time.

Headphone Setting: this setting is used to set the sound output when headphones are connected. Options include Speaker link and Headphone level.

Speaker Link	Headphone	Speakers
On	Sound is output (- \(+ \) is available.)	No sound
Off	Sound is output (Headphone level menu is available.)	Sound is output (- \(\square\) + is available.)

Press RETURN to go back to the previous menu.

Press EXIT to exit.

Setup

Press MENU and select SETUP by using the ◀ or ▶ button. Press OK to enter the SETUP menu.



Channel Install: allows you to install the channels.

Channel Settings: allows you to make channel settings like Channel Skip, Channel Sort, Subtitle and Audio, and Parental Control.

Diagnostics: shows the signal strength, signal quality, frequency, service ID, network ID and network name. (Only available in DTV mode)

Automatic Power Down: turns on or off the automatic power down feature. When set to On, the TV will turn into standby if there is no operation for 4 hours. (Available when select **Home**.)

Location: selects the location, Home or Store.

Software Upgrade: allows you to upgrade the TV's software. Press **OK** to enter its submenu.

USB Upgrade: plug a USB device stored with the new software to the TV first. Then press **OK** to display the following screen.



Use ▲ or ▼ to select "Yes" and press **OK** or ► to start updating. The screen appears as below.



When the updating process finishes, you can see the following message on the screen.



Press the power button to turn the TV into standby and again to restart the TV.

System Information: displays the system information such as model name, version and serial number.

Reset TV: press **OK** and confirm **OK** to reset all the TV settings to the default. Then the initial setup wizard will appear.

Press RETURN to go back to the previous menu.

Press EXIT to exit.

Applications

Press MENU and select APPLICATIONS by using the ◀ or
button. Press OK to display the APPLICATIONS menu.



EPG: goes to electronic programme guide.

Time Zone: selects a time zone.

Country Region: selects a country region.

Clock: allows you set the date, time, power on timer, power on channel and power off timer.

Note: either the power on timer or power off timer is activated, the timer LED on the front cabinet will light up in green.

Sleep Timer: sets a time for sleep timer.

Demo: only available in Store mode.

Note: the hint of TV's switching off will appear during the last minute if power off timer or sleep timer is activated. Press **EXIT** to keep the TV on and cancel TV's shutting down.

Press RETURN to go back to the previous menu.

Press EXIT to exit.

Preferences

Press MENU and select PREFERENCES by using the ◀ or ▶ button. Press OK to display the PREFERENCES menu.



REGZA-Link Setup: allows you to make REGZA-Link settings. When CEC devices are connected to the HDMI terminals, you can enable the REGZA-LINK function so that

one-touch play and system standby function between CEC devices.

Teletext: selects a teletext mode. Auto or LIST.

Panel Lock: when set On, the side panel buttons are locked.

Auto Format: turn on or off auto format function.

4:3 Stretch: turn on or off 4:3 stretch function.

Blue Screen: When set On, the TV will appear as a blue screen and the sound will be muted if no signal is received.

Side Panel: when the picture format is 4:3 or 14:9, select a kind of side panel to make viewing in bright or dark conditions more comfortable.

Press RETURN to go back to the previous menu.

Press EXIT to exit.

Media Player

Start Media Player

- · Plug in a USB device first.
- To display the Media Player window, press QUICK on the remote control and select Media Player by pressing the ▲ or ▼ button.
- · Press OK to continue.

The following menu will be displayed automatically.



Supported file formats:

Photo: JPEG Music: MP3

Video: AVI, MP4, TS

Notes.

- · Some USB compliant devices may not be supported.
- If the USB device is not recognized after power off/on or First Time Installation, first, plug the USB device out and power off/on the TV set. Plug the USB device in again.
- · Do not use a USB Hub.
- You must obtain any required permission from copyright owners to use copyright content. Toshiba cannot and does not grant such permission.

- Depending on the file size and amount in your USB storage device, it may take some time for loading to view. A message will display on-screen when loading files from the USB storage device.
- Some USB keys and USB products like digital cameras or mobile phones are not fully compatible with USB 2.0 standard so they may not work with the Media Player. Not all USB keys or devices are compatible with the USB function. Not all above formats are supported. The encoding formats of your files will determine whether or not they can be used.
- Non-supported characters will be replaced with a square (a).

Viewing Photos

To display photos, if available.

- Select Photo in Media Player by using the

 or

 button,
 then press OK to continue.
- Press MENU to display the photo menu. The options include:
 - Sort: Sort folders and photos by modification Date or Name.
 - Parser: You can select Recursive to display all photos stored in the USB device.
- Use the ▲/▼/◄/▶ button to select a photo.
- 4. Select a photo, press OK to watch, and a slide show begins from the selected photo. Press OK to pause the photo if you want to rotate the paused photo. Press MENU to display the options which allow you to play, pause or rotate the photo or select different play modes and displaying effects, etc..
- 5. Follow the instructions at the bottom of the TV to perform relative functions, then press **OK** to continue.

Playing Music

To play music, if available.

- Select Music in Media Player by using the

 or

 button,
 then press OK to continue.
- Press MENU to display the music menu. The options include:
 - Sort: Sort folders and music by Name, Genre, Artist or Album.
 - Parser: You can select Recursive to display all music stored in the USB device.
- 3. Use the $\triangle / \nabla / \triangle /$ button to select a music.
- Select a music, press OK to play, and an automatic playback begins from the selected music. Press MENU to display the options which allow you to play or pause the music, select different play modes, etc..
 - Show lyrics: This option is available for the music with lyrics. Select it and use the ◀ or ▶ button to turn on/off lyrics synchronized display.

- Audio only: Select it and press OK, you can listen to music with the screen turned off. Any key press will turn on the screen.
- Follow the instructions at the bottom of the TV to perform relative functions.

Watching Videos

To watch videos, if available.

- 1. Select Video in Media Player by using the ◀ or ▶ button, then press OK to continue.
- Press MENU to display the video menu. The options include:
 - Sort: Sort folders and videos by Type, modification Date or Name.
 - Parser: You can select Recursive to display all videos stored in the USB device.
- Use the ▲/▼/◄/▶ button to select a video.
- 4. Select a video, press OK to watch, and an automatic playback begins from the selected video. Press MENU to display the options which allow you to play or pause the video, select different play modes, picture modes and picture size settings.
- Follow the instructions at the bottom of the TV to perform relative functions.

To close the Media Player

Press EXIT on the remote control to close the Media Player.

DVD Playback

Important Information

Unless otherwise stated, all operations described are based on remote control use.

The blue silkscreen letters on the remote control are available in DVD mode

Starting Disc Playback

- 1. Turn on the TV.
- 2. Insert a disc into the DVD slot with the label facing front.
- Press INPUT and select DVD by using the ▲ or ▼ button.
 Press OK to confirm, then press PLAY ► to start playback.



Note: In some situation, the DVD playback will start automatically when you insert the disc in the slot.

Basic Playback Control

- During playback, press PAUSE

 II to pause playback and display a still picture. Sound will be muted. To resume normal playback, press PLAY or OK.
- Press SKIP I◄◄ / SKIP ►►I to go to the previous or next chapter/track during playback.
- Press to display the disc information for Title/Chapter/ Track.
- 4. Use the number buttons to enter valid chapter/track number directly. The playback skips to the selected chapter/track.
- 5. Press STOP to stop during playback.

Operations for Video Playback

Using the disc menu

Depending on the disc, a menu may appear on the TV screen once you load in a disc and press **INPUT** then select **DVD**.

- Use cursors or number buttons on the remote control to select a playback feature or item, then press OK to start playback.
- 2. Press MENU to access or remove the menu.

• Zooming in

This function allows you to enlarge the picture on the TV screen and to pan through the enlarged picture.

- During playback, press ZOOM repeatedly to display the pictures with different scales.
- 2. Press ZOOM repeatedly to return to the original size.

Slow motion

- 1. Press **SLOW** during playback to select the required speed: 1/2, 1/4, 1/8, 1/16 -(forward only). Sound will be muted.
- 2. Press PLAY ▶ to return to normal speed.

• Forward/ Reverse searching

You can fast forward or fast reverse a disc during playback and select a desired search speed: 2x,4x,8x,16x,32x.

- During playback, press REV ◄◄/FF ►► to select the required speed (backward or forward).
- 2. Press PLAY ▶ to return to normal speed.

• Repeating a section within a title/track

You can repeat the playback of a specific segment within a title or track. To do this, you must mark the start and end of the segment you want.

- During a disc playback, press REPEAT A-B at your chosen start point.
- Press REPEAT A-B again at your chosen end point. The section will now repeat continuously.
- 3. To exit the sequence, press REPEAT A-B.

DVD Setup Menu

In DVD mode, stop disc playback. Press **SETUP MENU** on the remote control, DVD setup menu will display on the TV screen.

Use ▲ / ▼ or ◀ / ▶ to select your desired language.



Use \triangle / ∇ or $\triangleleft / \triangleright$ to set your preference.



Use \triangle / ∇ or \triangleleft / \triangleright to change password.



The default password from the factory is 0000.



Connecting your TV

Connecting an HDMI or a DVI device

The HDMI input on your television receives digital audio and uncompressed digital video from an HDMI source device or uncompressed digital video from a DVI (Digital Visual Interface) source device.

This input is designed to accept HDCP (High-Bandwidth Digital Content Protection) programme material in digital form from EIA/CEA-861-D compliant consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output).

Notes:

- When turning on your electronic components, turn on the TV first, and then the HDMI or DVI device.
- When turning off your electronic components, turn off the HDMI or DVI device first, and then the TV.
- Some early HDMI equipment may not work properly with your latest HDMI TV.
- Supported Audio format: Linear PCM, sampling rate 32/44.1/48kHz.

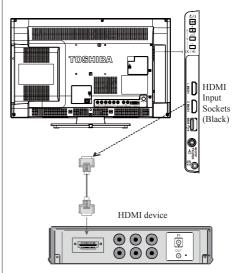
To Connect an HDMI Device

Connect an HDMI cable (type A connector) to the HDMI terminal.

For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo (Hami').

Notes:

- If your HDMI connection is capable of 1080p and/or your television is capable of refresh rates greater than 50Hz, you will need a Category 2 cable. Conventional HDMI/DVI cable may not work properly with this mode.
- HDMI cable transfers both video and audio. Separate analogue audio cables are not required (see illustration).
- To view the HDMI device video, press the
 → button to select
 HDMI1 or HDMI2.

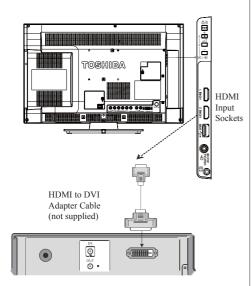


To Connect a DVI Device

Connect an HDMI-to-DVI adaptor cable (HDMI type A connector) to the HDMI terminal.

Notes:

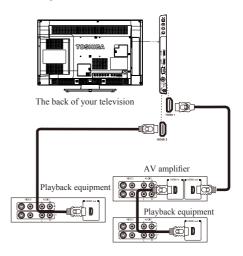
- The recommended HDMI-to-DVI adaptor cable length is 6.6 ft (2m).
- · An HDMI-to-DVI adaptor cable transfers video only.



REGZA-LINK Connections

Note: The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

The basic functions of connected audio/video equipment can be controlled using the television's remote control if a REGZA-LINK compatible device is connected.



Notes:

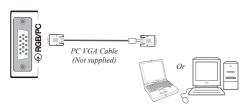
- It is recommended that for correct operation all audio/video devices are connected using HDMI cables branded with the HDMI logo (HDMI*). If several devices are connected, the REGZA-LINK feature may not operate properly. After connecting the equipment use the REGZA-LINK menu to setup the desired options. The connected equipment must also be set. For details see the operation manual for each connected device.
- The REGZA-LINK feature uses CEC technology as regulated by the HDMI standard. This feature is limited to models incorporating Toshiba's REGZA-LINK. However, Toshiba is not liable for those operations. Refer to individual instruction manual for compatibility information.

Connecting a Computer

To Connect a Computer

With either an RGB/PC or an HDMI connection, you can watch your computer's display on the television.

When connecting a PC to the PC input on television, use an analogue RGB (15-pin) computer cable.



To use a PC, set the monitor output resolution on the PC before connecting it to the television. To display the optimum picture, use the PC setting feature.

Notes:

- Some PC models cannot be connected to this television. An adaptor is not needed for computers with a compatible mini D-sub 15-pin terminal.
- Depending on the DVD's title and the specifications of the PC on which you are playing the DVD-Video, some scenes may be skipped or you may not be able to pause during multiangle scenes.

Connecting a USB Device

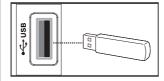
Notes:

- You can connect a USB device to your TV by using the USB port of the TV. This feature allows you to display/play music, photo or video files stored in a USB device.
- It is possible that certain types of USB devices (e.g. MP3 players) may not be compatible with this TV.
- You may back up your files before making any connections to the TV set in order to avoid any possible data loss.
 Note that manufacturer will not be responsible for any file damage or data loss.
- Do not pull out the USB device while playing a file.

CAUTION: Quickly plugging and unplugging USB devices is a very hazardous operation. Especially, do not repeatedly quickly plug and unplug the devices. This may cause physical damage to the TV and especially the USB device itself.

USB Device Connection

Plug your USB device to the USB port of the TV.



USB Device

Reference Section

Troubleshooting

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

Symptom and solution

Why is there no sound or picture?

 Check that the television is on and that all connections are made properly.

Why doesn't the video/DVD being played show on-screen?

 Make sure the VCR or DVD player is connected to the television, then select the correct input by pressing -

Why is there a good picture but no sound?

 Check all cable connections and that the volume has not been turned down or that the sound has not been muted.

Why doesn't the remote control work?

 Check that the batteries aren't dead or inserted incorrectly.

Why are there problems with text?

 Good performance of the text depends on a strong broadcast signal. If the text is unreadable or garbled, check the antenna, satellite or cable connection. Go to the main index page of the text service and look for the User Guide. This will explain the basic operation of text in some detail.

Why are the four coloured text numbers visible but no text?

Text has been selected while viewing an external source.
 No text will appear on screen or a box may appear stating no information is available. Select a broadcasting channel and press to access.

Why don't the devices connected via HDMI operate properly?

 Make sure to use cables with the HDMI logo. Some early HDMI equipment may not work properly with the latest HDMI TV products, due to adoption of new standards.

Why is the VCR/DVD picture in black and white?

Check the correct input has been AV or COMPONENT.

Why did TV turn off by itself?

 After roughly 15 minutes without any input video signal in TV mode, the TV will turn off to save power.

Why doesn't the DVD playback start?

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

Why is there no sound or picture during DVD playback?

- The TV is not in DVD mode. (No picture)
- If an external speaker is connected, check its volume control

Why is picture distorted during fast reverse/forward when DVD is played?

• The picture will be distorted occasionally. This is normal.

Why is there no subtitle during DVD playback?

- The disc has no subtitle encoded on it.
- Subtitles are disabled. Press the SUBTITLE button to set.

Why can't the scene angle be changed when DVD is played?

- The disc has no multi-angle scenes.
- The function is not applicable to the disc or to the current mode.

Why are DVD playback features failed?

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

Why doesn't the DVD playback start when the title is selected?

 The disc may not be compliant with the "Parental" setting.

Why the audio sound track and/or subtitle language cannot be changed when DVD is played?

• The disc has no multi-language option encoded on it.

Specifications

Model

23DL900A

Power source

~220-240V 50Hz

Power consumption

45W

Standby (approx)

< 0.5W

Dimensions (includes foot stand)

379.5mm(H) 552.3mm(W) 165.1mm(D)

Mass (Weight)

: 3.9kg

Analogue TV system (Antenna input)

Channel coverage:

PAL B/G (CCIR) VHF $0 \sim 12$ UHF $27 \sim 69$ CATV C2, C10, C31, $$2 \sim 844

Digital TV System

Compliant Standard: DVB-T

Video Decoding: MP @ ML & MP @ HL

Audio Decoding: Dolby® Digital MPEG (1 & 11)

Audio Sampling Rate: 32, 44.1, 48 kHz

Digital TV Terrestrial Tuner / Demodulator

Frequency: 51~858 MHz Bandwidth: 7 MHz/8MHz Demodulator: COFDM FFT Mode: 2K/8K

Constellation: QPSK, 64 QAM Guard Interval: 1/8, 1/16 Inner Coding Rate: 2/3, 3/4

Component video input terminals (the signal format)

480i, 480p, 576i, 576p, 720p (50/60 Hz), 1080i (50/60Hz) (These signal formats are converted to match the number

of pixels of the LCD panel.)

Composite colour system (analogue TV system)

PAL, SECAM, NTSC 3.58/4.43

Aspect ratio

16:9

Visible size (diagonal)

58.5cm

Number of pixels

1920(H) x 1080(V) dots

Sound output (at 10% distortion)

3Wx2

Input/Output terminals

Antenna Input: 75 Ω RF Input

Composite Input:

Video: RCA, CVBS

Audio: RCA, L/Mono+R

Component Input:

Video: RCA, Y, PB/CB, PR/CR

Audio: RCA, L/Mono+R

HDMI Input (type A): 19pin, A/V Digital

RGB/PC Input:

Mini D-sub: 15 pin, Analogue RGB

USB port: USB 2.0

Flash Drive thickness: 9mm (max.)

Media Player Interface:

Version: USB 2.0 USB class: Mass Storage

File system: FAT16 and FAT32

Digital Audio Output: Coaxial (Bitstream/PCM)

Headphone jack: 3.5mm (Diameter) stereo

Operation condition

Temperature: 0°C - 35°C (32°F - 94°F)

Humidity: 20% - 80% (No moisture condensation)

Wall mount information

VESA (100mm x 100mm, M4)

Supplied accessories

Owner's manual (1) Remote control (1)
Batteries (2) Registration card (1)
Warranty card (1) Stand installation sheet (1)

Pedestal screws (5)

 Design and specifications are subject to change without notice.

• Never service or remodel the TV by yourself. If may expose you to a fire hazard or dangerous voltages.

License Information used with Toshiba Televisions

The software pre-installed in the TOSHIBA Digital Televisions consists of multiple, independent software components. Each software component is copyrighted by TOSHIBA or a third party.

The TOSHIBA Digital Televisions use software components that are distributed as freeware under a third-party end-user license agreement or copyright notice (hereinafter referred to as a "EULA"). Some EULAs require that the source code of the applicable component be disclosed as the condition for distributing the software component in executable format.

You can check the software components subject to such EULA requirements on the following Home Page: URL: http://www.mytoshiba.com.au

In addition, some of the software components which are used in Toshiba Digital Televisions include the software that are made or developed originally by TOSHIBA. These software and accompanied documents are copyrighted by TOSHIBA, and protected by Copyright Act, an international treaty's articles and other governing laws. The software components which are made or developed originally by TOSHIBA and not subject to EULAs are not a target of source code offering.

The Toshiba warranty provided in respect of the Digital TV is the only warranty provided and no additional warranties are provided in respect of the software components subject to EULAs.

Some of the software components distributed under EULAs are made available for use by the user on the premise that they are not copyrighted or warranted by TOSHIBA or any third party. These software components are licensed to the user free of charge and therefore not covered by any warranty within the scope of the applicable laws. These software components are provided in "as is" condition without any warranty, whether express or implied. "Warranty" here includes, but not limited to, an implied warranty for marketability or fitness for specific uses. All risks associated with the quality or performance of these software components are assumed by the user. TOSHIBA shall not be liable whatsoever for any cost of repair or correction or other incidental expense incurred in connection with a defect found in any of these software components. Unless specified under the applicable laws or in a written agreement, a party who changes or redistributes the software with consent from the copyright holders or based on the aforementioned licenses shall not be held liable whatsoever for any loss arising from the use of or inability to use such software components. The same applies even when the copyright holders or relevant third parties have been informed of the possibility of such loss. "Loss" here includes normal, special, incidental and indirect loss (including, but not limited to, the loss of data or its accuracy; loss incurred by the user or any third party; and interface incompatibility with other software). Please read each EULA for details on the use conditions and items that must be observed regarding these software components.

The table below lists the software components pre-installed in the TOSHIBA Digital Televisions, which are subject to EULAs. The user should read the applicable EULAs carefully before using these software components. The EULAs are exhibited in their original text (English) as exactly written by the respective parties other than TOSHIBA.

Pre-Installed Software	EULA (refer to website for details)
freetype	http://www.freetype.org/FTL.TXT
zlib	http://www.zlib.net/zlib_license.html
Unicode	http://source.icu-project.org/repos/icu/icu/trunk/license.html
png	http://www.libpng.org/pub/png/libpng.html

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