Bar code

TOSHIBA

OWNER'S MANUAL LEDTV HOLDERINITOR MULTIMEDIA INTERACE

50U7950 Series 55U7950 Series 65U7950 Series 75U7950 Series

DOLBY AUDIO**

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:

Contents

Welcome to Toshiba

- Thank you for purchasing this Toshiba LED TV. This manual will help you use the exciting features of your new TV.
- · Instructions in this manual are based on using the remote control.
- Please read all safety and operating instructions in this manual carefully, and keep this manual for future reference.
- LED TV is LCD Panel with LED Backlight.

For 75"



Apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

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Disclaimer:

Images throughout this document are for illustrative purposes only and may differ from the actual product.

Designs and specifications are subject to change without notice.

Important Safety Precautions

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

Installation

 WARNING: To prevent injury, this apparatus must be securely attached to a stable surface/wall in accordance with the installation instructions.

Install the TV in a horizontal, stable location.

- If the TV is not installed securely, it may lean or fall over and cause an injury.
- To prevent injury, use the exclusive optional stand or wall-hanging bracket to install this TV on a stable surface or wall securely in accordance with a qualified technician
- To secure the TV, use a sturdy strap from the hook(s) on the rear of the TV to a wall stud, pillar, or other immovable structure.
 Make sure the strap is tight, secure, and parallel to the floor.



Only for the model with P-clip

- 2. Never place the TV in an unstabilized location such as on a shaky table, incline or location subject to vibration.
 - Only use cabinets or stands recommended by the TV manufacturer.
 - · Only use furniture that can safely support the TV.
 - Ensure that the TV is not hanging over the edge of the supporting furniture.
 - Never place the TV on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the TV to a suitable support.
 - Never stand the TV on cloth or other material placed between the TV and supporting furniture.

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

3. Never stand or climb on the TV.

• Educate children about the dangers of climbing on furniture to reach the TV or its controls.

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

4. Always connect the power plug to an appropriate electrical outlet equipped with 100-240V AC, 50/60Hz.

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

About the fuse

In a three pin earthing-type, the fuse fitted in this plug is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted.

About the use

- Make sure to insert the plugs firmly, when plugging the AC power cord into the TV set end and wall outlet end.
- Make sure to hold the plug, when unplugging the AC power cord.
- Never use other cord except for supplied AC power cord, and never use the supplied power cord for any other purpose.

5. Never insert or remove the power plug with wet hands.

This may cause an electric shock.

6. 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.

7. 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.

8. 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.

10. Precautions for moving the TV.

- When moving the TV, be sure to remove the plug from the wall outlet and disconnect the aerial cable and audio/video cables, any steady ties and mounting screw. A fire or an electric shock may result if the power cord is damaged.
- When carrying 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.

11. Precautions for installing on outdoor aerial.

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

If the aerial falls down or drops, it may cause an injury or an electric shock.

Use

1. Never place hot objects or open flame sources, such as lighted candles or nightlights, on or close to the TV.

High temperatures can melt plastic and lead to fires.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, 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 and 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 especially careful that children do not insert objects in the TV.

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

Important Safety Precautions

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 bent the cord or apply excessive force or tension to it.

Never place heavy objects on the 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 aerial cable or other connected cables.

You may suffer an electric shock.

8. Turn off the TV before unplugging the power cord.

Failure to do so, may cause a malfunction.

9. Listening to music at high volume levels and for extended durations can damage one's hearing.

In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels.

10. In dry environment due to static electricity, the product may be restart and return to the main OSD interface, USB player interface or the previous source mode.

You can continue to use the TV when appear this phenomenon.

Service

1. 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 repairs.

When a malfunction occurs, or if smoke or an unusual odor 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 stopped, 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 has power 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.

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

Cleaning

CAUTION: 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 benzine 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 LED display, 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.

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

Important information

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 close to a window or outdoors.
- Never press the LCD screen strongly or scratch it, and never put anything on it. These actions will damage the LCD screen.

2. About cabinet and LCD screen

Never spray volatile compounds such as insecticide on the cabinet and LCD screen. This may cause a discoloration or damage the cabinet and LCD screen.

3. About afterimage

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

4. 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 sign of malfunction.

5. 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).

6. About using under the low temperature places

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

7. When disposing of or transferring ownership of the TV

Before disposing of or transferring ownership of the TV, perform "Resetting the TV".

Important Safety Precautions

Recording using an USB storage device

- · Be sure to select the correct country/region for use.
 - Use of the recording function may not be possible depending on the selected country/region.
 - Use with incorrect settings may violate certain laws or other regulations, and may result in criminal punishment.
 - In such cases, TOSHIBA CORPORATION and the Toshiba Group shall bear no responsibility whatsoever.
- The recording function has been designed for private use and entertainment in your home environment.
 - Please note that any commercial use of the recording function could lead to copyright infringement of authors' rights. Toshiba asks you to respect the intellectual property rights of third parties.
- Before recording to a device connected to the TV, make a test recording and check the recording performance.
- Toshiba shall not be liable for compensation or incidental damages of any kind whatsoever resulting from content that was not properly recorded on the recording device or that was modified or lost.
- Toshiba shall not be liable for damages of any kind whatsoever (breakdown of the recording device, modification or loss of the recorded content, etc.) resulting from malfunction, operating failure or incorrect operation due to combining with another connected device.
- Do not turn off the power supply to the USB storage device or disconnect the connecting cable while the USB storage device is operating. Doing so may result in loss of the recorded data or malfunction of the USB storage device.
- The recording function is not available in all countries/regions.
- Please note that recording on the USB storage device is no longer playable after the TV's main-board is exchanged during service.
- If the time information is incorrect, programed recording may not be performed properly.

Furthermore, if the time information differs according to the currently viewed channel, programed recording may not be performed properly depending on tuning operations.

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 damaged (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.

When using a wireless network

CAUTION:

 Bluetooth[™] and Wireless LAN devices operate within the same radio frequency range and may interfere with one another. If you use Bluetooth[™] and Wireless LAN devices simultaneously, you may occasionally experience a less than optimal network performance or even lose your network connection.

- If you should experience any such problem, immediately turn off either your BluetoothTM or Wireless LAN device.
- Actual performance can vary, including lower wireless network capacity, data throughput rate, range and coverage.
- Performance depends on many factors, conditions and variables, including distance from the access point, volume of network traffic, building materials and construction, operating system used, mix of wireless products used, interference and other adverse conditions.

Wireless LAN and your Health

Wireless LAN products, like other radio devices, emit radio frequency electromagnetic energy. The level of energy emitted by Wireless LAN devices, however, is far less than the electromagnetic energy emitted by wireless devices such as mobile phones.

Because Wireless LAN products operate within the guidelines found in radio frequency safety standards and recommendations, TOSHIBA believes Wireless LAN is sage for use by consumers. These standards and recommendation reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature.

In some situation or environments, the use of Wireless LAN may be restricted by the proprietor of the building or responsible representatives of the organization. Such restrictions may apply in environments where the risk of interference to other devices or services is perceived or identified as harmful.

If you are uncertain of the policy that applies to the use of wireless devices in a specific organization or environment, you are encouraged to ask for authorization to use the Wireless LAN device prior to turning on the equipment.



AC voltage: This symbol indicates that the rated voltage marked with the symbol is AC voltage.

For 50"/55"/65"



This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

For 75"



Class I product: This symbol indicates that it requires a safety connection of protective earthing (ground).







- This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of noninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
- Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user serviceable parts inside. Refer servicing to qualified personnel.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

Accessories List

The following accessories are included with TV:

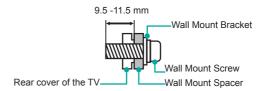
OWNER'S MANUAL Power Cord × 1 Remote Control × 1

AAA Battery × 2 Screw × 4(50"/55"/75") Screw × 6(65")

Base Stand × 2(75") Base Stand × 1(50"/55"/65")

Installing the Wall Mount Bracket

	200 × 200 (50")
Wall mount hole pattern (mm)	300 × 200 (55") 400 × 200 (65")
	400 × 300 (75")
Wall mount screw size (mm)	M6



Follow instructions provided with the wall mount bracket.

→ NOTE

- The diameter and length of the screws differ depending on the wall mount bracket model.
- Wall mount bracket is optional, your device may not have wall mount bracket, please refer to the actual accessories.

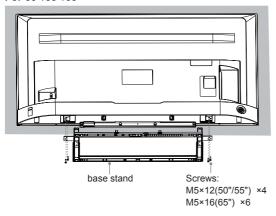
Installing the Stand or Wall Mount Bracket

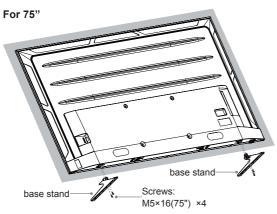
Installing the Stand

CALITION

- Be sure to disconnect the A/C power cord before installing a stand or Wall-Mount brackets.
- The LED display is very fragile, and must be protected at all times
 when installing the base stand. Be sure that no hard or sharp
 object, or anything that could scratch or damage the LED display,
 comes into contact with it. DO NOT exert pressure on the front of
 the TV at any time because the screen could crack.
- 1. Carefully place your TV face-down on a soft, flat surface to prevent damage to the TV or scratching to the screen.
- 2. Remove the Base Stand from the accessory bag and then insert the stands into the bottom slots of the TV.
- 3. Secure the Base Stand to the TV with the screws in accessory tightly.

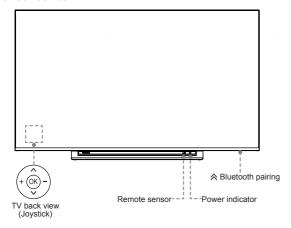
For 50"/55"/65"



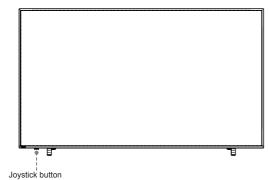


TV Front

For 50"/55"/65"



For 75"



(Remote sensor / Power indicator)

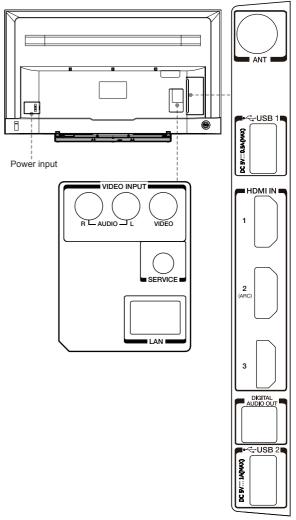
Item	Description
Remote sensor	Receive remote signals from the remote control. Do not put anything near the sensor, as its function may be affected.
Power indicator	The light is red in standby mode, the light is green when TV is on.
OK Standby / Source	Select among the different input signal sources or put the TV in standby mode, or you can turn on the TV when the TV in standby mode.
VOL +/-	Toggle the OK button left and right to adjust the volume.
i i	Toggle the OK button up and down to select the channel.

CH + / → NOTES

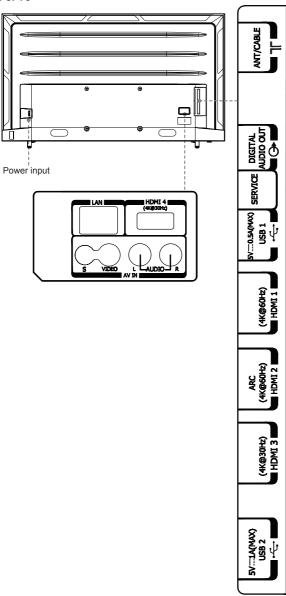
 Powering on the TV requires several seconds to load programmes. Do not rapidly turn the TV off as it may cause the TV work abnormally.

TV Rear

For 50"/55"/65"



For 75"



→ NOTES

- Check the jacks for position and type before making any connections. Loose connections can result in image or color problems. Make sure that all connections are tight and secure.
- Not all A/V devices have the ability to connect to a TV, please refer to the user's manual of your A/V device for compatibility and connections procedure.
- Before connecting external equipment, remove the mains plug from the wall socket. Otherwise, it may cause electric shock.
- Service jack is not available for you to connect an external device.
 It can only be used by our factory for testing purposes.

Terminals

AN DVB-T	•	(Connect an outdoor VHF/UHF antenna.
HDI	МІ		Connect an HDMI cable from an external A/V equipment.
HDMI(/	ARC)		Connect an HDMI cable from an external digital audio system.
	VIDEO	(a)	Connect a composite video cable and left-right audio cables from an external AV device.
VIDEO INPUT	L		The VIDEO can be used to connect a range of equipment, including video recorders,
	R		camcorders, decoders, satellite receivers, DVD players, or games consoles.
US	В		Connect a USB device for browsing photos, music and movies.
DIGI ⁻ AUDIO			Connect an optical cable from an external digital audio system.
LAI	N		Connect an Ethernet cable to access a network or the Internet.
SERV	'ICE	©	This port is not available for you to connect an external device. It can only be used by our factory for testing purposes.

→ NOTE

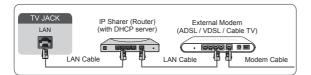
• The location and names of the terminals on the TV may vary according to TV model, and not all terminals available on all models.

Wired Setup

Connect your TV to your network by connecting the LAN port on the back of your TV to an external modem or router using a LAN (Ethernet/ Cat 5) cable. See the illustration below.

→ NOTES

- · You get access to the Internet through your TV.
- We recommend to use a modem or router that supports Dynamic Host Configuration Protocol(DHCP). Modems and routers that support DHCP automatically provide the IP address, subnet mask, gateway, and DNS, so you don't have to enter them manually. Most home networks already have DHCP.



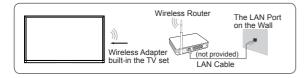
Wireless Setup

Connect your TV to your wireless network, you need a wireless router or modern. See the illustration below.

The TV's built-in Wireless LAN Adapter supports the IEEE802.11 ac/a/b/g/n communication protocols.

→ NOTES

- You get access to the Internet through your TV.
- · Connect to an available wireless network.
- Make sure that you have the wireless router's SSID and password before attempting to connect.



Connecting with an HDMI(ARC) Cable

Connect an HDMI cable from an external digital audio system.

ARC enables the TV to directly output the digital sound through an HDMI cable. Please note that it works only when the TV is connected to the audio receiver that supports the ARC (Audio Return Channel) function.



→ NOTE

- When this port is used as the ARC function, it can be used as signal input when DVD is connected to amplifier and the amplifier is connected to the TV at the same time.(Some amplifiers may not support series connection.)
- · ARC work by auto as per input ARC condition.

Connecting with an HDMI Cable

Connect an HDMI cable from an external A/V equipment.

Some devices such as DVD player require HDMI signal to be set to output in the device's settings. Please consult your device user manual for instructions.

Please note that the HDMI connector provides both video and audio signals, it's not necessary to connect an audio cable.



Connecting with an USB Cable

Connect the USB devices such as hard drives, USB sticks and digital cameras for browsing photos, listening to music.



- Support the U disk 4G, 8G, 16G, 32G, 64G, 128G and other common market size, 8T hard drive is currently supported.
- Support format: NTFS, FAT32, EXT4.

Using the USB storage device function

The USB storage device function can be used to record and view digital broadcast programmes.

Read the precautions below before recording or viewing programmes using the USB storage device function.

→ NOTES

• Be sure to select the correct country/region for use.

Use of the recording function may not be possible depending on the selected country/region.

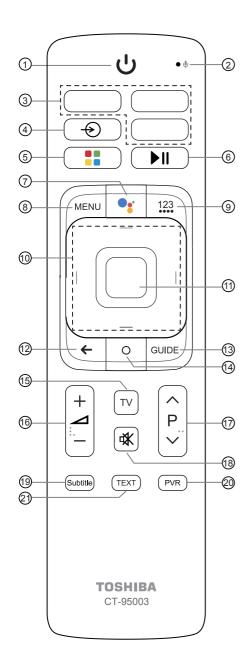
Use with incorrect settings may violate certain laws or other regulations, and may result in criminal punishment.

In such cases, TOSHIBA CORPORATION and the Toshiba Group shall bear no responsibility whatsoever.

- Recorded programmes saved on the USB storage device can only be viewed on this TV. They cannot be viewed when connected to another TV(including the same model of TV), a PC, or other device.
- · You cannot watch one channel while recording another.
- If the recording time to the USB storage device is too short, no data may be saved.
- · You cannot record video input signals on the USB device.
- · Not all types of broadcast may be recordable
- After programing the TV to record digital broadcasting, do not disconnect the power plug before recording starts.
- Should video or audio recording fail due to malfunction of the TV or poor reception, no compensation shall be paid.

Remote Control

Buttons on the Remote Control



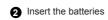
- 1) POWER: Turn the TV on or into standby mode
- (2) Receive the voice
- (3) APPS: Fast access to applications
- 4) Select input source
- (5) Special function buttons
- 6 Media content control function buttons
- (7) Google Assistant of TV
- 8) MENU: Display the quick setup menu
- (9) 123: Turn on the virtual keyboard
- D-pad: Allows you to navigate the OSD menus and adjust the system settings to your preference
- (11) OK / Confirmation button
- 12 Back: Return to previous menu
- (13) GUIDE: Display the Electronic Programme Guide (DTV mode)
- (14) Display the Home screen
- (15) TV: Enter the Live TV in the Home screen (TV mode)
- 16 + / -: Adjust the volume
- (17) P A / V: Switch channel
- (18) K: Mute or restore the TV sound
- 19 SUBTITLE: Press to display the Subtitle Language menu
- 20 PVR: Record the current program (DTV mode)
- 21) TEXT: Turn on/off the teletext function

Remote Control

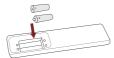
Installing Batteries in the Remote Control

Press the release button on the back of the remote control to remove the battery compartment cover.

- Slide the back cover to open the battery compartment of the remote control.
- Insert two AAA size batteries. Make sure to match the (+) and () ends of the batteries with the (+) and () ends indicated in the battery compartment.
- 3. Close the battery compartment cover.
- Gently push and slide







Gently push and slide



→ NOTES

 Product image is only for reference, actual product may vary in appearance.

Handling the Batteries

- Incorrect use of batteries may cause corrosion or battery leakage, which could cause fire, personal injury or damage to property.
- · Only use the battery type indicated in this manual.
- Do not mix old and new batteries or different types of batteries.
- Do not dispose of used batteries as domestic waste. Dispose of them in accordance with local regulations.
- Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately.
- If you do not intend to use the remote control for a long time, remove the batteries.
- Remove depleted batteries immediately to prevent battery acid from leaking into the battery compartment.

Pairing the Remote Control

- Pair the remote to the TV after you power it on. Keep the remote control within 10 feet from the TV. Press and hold the [MENU] button at least 3 seconds to start pairing.
- If the remote paired successfully then a confirmation will display on the screen. If it did not pair successfully then an 'unsuccessful' message will display. Repeat step 1.

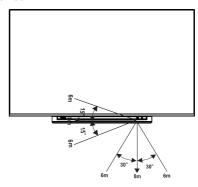
→ NOTES

 If an unknown error occurred with the remote then it could have been caused by interference. Try to remove what's causing the interference and pair it again.

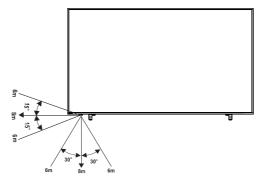
- If an unknown error occurred in the remote control while the battery power is normal, you can take out the batteries and press any key for 1~2 seconds, then the remote control can work normally.
- The remote cannot be paired to the TV while the TV is in standby mode.

Remote Control Operation Range

For 50"/55"/65"



For 75"



General Operation

Turn on/off your TV

Turn on your TV for the first time

- Connect the mains cable to the mains socket after you have completed all the connections.
- The first time you turn the TV on, it will go straight into the Installation Guide.
- The guide setting is completed according to the boot navigation prompt. The navigation information is specific to the actual condition.
- The Home screen will be your starting point for navigating the TV

To turn your TV on or off:

- 1 Plug the AC power cord into a socket outlet of AC power supply.
- When the TV is powered on, press the [(b)] button on the remote control, to turn TV on or off.

→ NOTES

- When your TV is in standby mode, it is still consuming power.
 To completely disconnect power, please remove the mains plug from the mains socket.
- If your TV does not receive an input signal for several minutes, it automatically goes into standby mode.

Selecting the Input Source

Select the Input Source depending on the video device you have connected to your TV.

To select the input source:

- Turn on your TV, then press the [) button on the remote, the list of Source appears.
- 2. Press the [Up / Down] buttons to select the input source.
- 3. Press the [OK] button to confirm your selection.

Using the Live TV

To view broadcast programs, press the [) button on your remote to select **Channels**.

Channel search guide

When you select **Channels** as input, if no TV channels were saved before, you will be prompted to do a channel search. You can also go to **Menu > Channels** to change the channel settings.

Launch Live TV

After channel scaning is done for the first time, the screen will display LiveTV operating tutorial, including: how to Load info Bar, how to load the channel list and so on.

[Up] Load info bar

[OK] Load channel list

[MENU] Load onscreen menu

[Jump to previous channel

Viewing channel information

As you use the **[P**^ / **P** 1 button on your remote to scroll through channels, an information banner appears on the top of the screen.

Viewing a channel list

After you have done an automatic channel scan (if you're using an antenna) or receiving your channels through a cable provider, you can view your list of channels by pressing [OK] button on your remote. You will see the channel list display on the right side of the screen

Creating a Favorites List

To quickly access your most-watched channels, you can create a Favorites List.

To create your Favorites List:

- 1. Press the [MENU] button on your remote to access the Menu.
- 2. Select Channels > Channel Edit > favorite 1 > Add Channels
- Using the [Up / Down] buttons of your remote, select a channel and press [OK] button.

A heart-shaped indicator will appear beside the channel as confirmation that it has been successfully added.

Viewing your Favorite list

To view channels that you've added to your Favorites List simply press [OK] button on your remote to call out the channel list.

The channel list appears on the screen and heart-shaped icons are shown next to the channels that make up your Favorites List.

EPG

It provides convenience to check TV programs that will be available in the next 7 days. The information displayed by the EPG is made available by the commercial television networks for digital channels only. The EPG also provides a simple way to program the recording of your favorite programs and a reminder function which can switch channel automatically at scheduled time so that you do not miss programs of interest. (The availability and amount of programme information will vary, depending on the particular broadcaster).

Watch

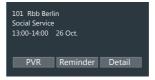
When a current program is selected, press the **[OK]** button to watch it in full screen mode.

PVR/Reminder/Detail

Press the [Up / Down] buttons to select the channels, press the [Left / Right] buttons to select program based on the time schedule.

Press the [OK] button to select PVR or Reminder.

Press the [Up / Down / Left / Right] buttons to change and set different options.



General Operation

- \cdot Select and set Start time/End Time: Press the [OK] button, and then press the [0~9] buttons to input the desired numbers. (Selecting and setting end time is only available for PVR)
- Repeat: You can select from Monday to Friday, Saturday to Sunday, Sunday, Monday ,Tuesday, Wednesday ,Thursday, Friday, Saturday .

→ NOTES

- Reminder is only available for programmes that haven't been aired yet.
- A storage device must be attached to the television for recording purposes.
- . The TV will record the program even in standby mode.
- The PVR function is only available on certain models in some country/region.

Page Up/Down

Press the [P^ / P^] buttons to move programme listing page up/down.

Schedule

Click the [RED] icon to view a list of scheduled reminders and recordings.

24h-

Click the [YELLOW] icon to go backwards a day.

24h+

Click the [BLUE] icon to move forwards a day.

PVR/T.Shift

PVR

The PVR function allows you to easily record digital television content for later viewing. The function is only available in DTV source. To use PVR, you must connect a USB device for recording. The format of the storage disk should be NTFS, FAT32, EXT4. The PVR will not function if a data storage device has not been connected.

Schedule Recording

Press [GUIDE] button, Select the programme to be played, press [OK] button to set the appointment time and period, the reservation is successful. Click the [RED] icon to view the schedule recording. In the schedule recording list, you can readiust the reservation information that has been set.

Instant Recording

Press [Down] button to select PVR.

Select the partition, and the USB device speed will be tested(appear when using for the first time).

You can choose to Manual stop or automatically match the programme time.

Standby record

If you press the power button during recording, a notification will appear to ask if you allow recording in standby. If you choose yes, TV will go into standby mode and the recording process is still going on. If you press power button again and wake up the TV, recording process will not be affected. After recording, the recorded file will be automatically saved to the disk.

Recording List

Viewing the recorded programmes.

Press the [Down] button on your remote to select Recording List > Recorded, You can watch or delete recorded programmes.

→ NOTES

- . Available on Channel (DTV) source only.
- The storage space of your USB device should be no less than 2G (for 15 minutes high definition video).
- If the transfer rate of your hard disk is too slow, a pop-up notice will appear, in this case, you can try another one.
- The PVR function doesn't support analogue channels.
- The schedule recording function is not available while you are watching a programme that is currently being broadcast.
- Some broadcasters may restrict to record the programme.
- During the recording progress, channels locked with Channel Lock(password needed) are disabled to watch.
- The PVR function is disabled for scrambled channels(CI module needed).
- . The PVR function is only applicable in certain models.

T.Shift

This option allows you to pause and rewind live TV. This function operates by recording temporarily to a storage device. Please ensure your storage device is connected and there is enough free disk space. Otherwise the recording will not commence.

Press the [Down] button on the remote to select T.Shift and then the menu will appear, click the [II] icon to pause the live broadcast and click the [▶] icon to play. Click the [◄] icon to rewind and click the [▶] icon to fast forward. Click the [■] icon to exit the function and watch the current broadcast.

→ NOTES

- The T.Shift function doesn't support analogue channels.
- . The storage space of the USB device should be no less than 1 $\ensuremath{\mathsf{G}}$.
- The T.Shift function is disabled for channels locked with Channel Lock or scrambled channels (CI module or password needed).
- The Timeshift function is only applicable in certain models.

Using the Menu

1 Press the [MENU] button on your remote to enter the Menu in TV mode.

The Menu consists of the following settings:

- EPG
- Picture
- Sound
- Channels
- Parental Controls
- Audio Only
- Teletext
- Audio Language(MTS)
- Sleep Timer
- Settings
- Help
- 2 In each menu, you can:
- Press the [Up / Down] buttons to select an item,
- Press the [OK] buttons to enter the sub-menu or to set on or off,
- Press the [Left / Right] buttons to adjust the value,

→ NOTE

The menus in the user manual may vary slightly from the actual screen

EPG

Enter guide function under DTV mode.

It provides an overview of each digital channel's programme lineup.

Picture

Backlight

Adjust Local Dimming and Backlight Level to change the overall brightness of the screen.

- Dynamic Backlight Control: Enhance the contrast ratio between light and dark areas of the picture. You can select Off, Low, Medium or High.
- NOTE: Some models don't support this function.
- Backlight level: Adjust how bright you want images to appear, lower settings create darker images. The Backlight level is only available when Dynamic Backlight Control select Off

Picture Mode

Select a preset picture mode to best suit the content you're viewing.

Contrast

Adjust the Contrast level to increase or decrease how bright images appear.

Brightness

Adjust the Brightness level to generate lighter or darker images.

Color

Adjust the color intensity of the picture for a more vibrant image.

Tint

Adjust the colors from a green to magenta tint to view the natural skin tones of people on the screen.

Sharpness

Adjust how sharp or soft edges of images appear.

Advanced Settings

Adjust advanced picture settings based on your viewing preference.

- Overscan: Change the video size settings to slightly crop the edges of the displayed image.
- Color temperature: Select a preset color temperature adjust to low, medium or high the white areas of an image appear.
- **Ultra Smooth Motion:** Reduce seeing afterimages that are left on the screen when viewing fast-moving objects.
 - NOTE: Some models don't support this function.
- Noise Reduction: Improve how clear the picture appears by reducing noise.
- MPEG Noise Reduction: Reduce MPEG block noise and provides clearer edge transitions.
- NOTE: Some models don't support this function.
- HDMI Dynamic Range: Adjust the HDMI signal range to be more suitable for the content. (HDMI mode only)
- Adaptive Contrast: Automatically darken dark areas and lighten light areas of images to see more details.

Calibration Settings

Adjust the color space and Gamma to best suit the content you're viewing.

- Color Tuner: Adjust the Hue, Saturation, Brightness of color settings and restore color tuner settings.
- White Balance: Adjust the intensity of red, green and blue lights to view the true colors of all images in the picture and make reset.
- Gamma Adjustment: Adjust the Gamma to alter how the TV will respond to the grayscale content. In a dark room choose a Higher number like 2.2. In a brighter area select a Lower number like 2.0. In general, 2.4 is normally recommended.
 - NOTE: Some models don't support this function.
- · Gamma Calibration: Adjust selected Gamma curve.
- RGB only: View images based on default settings or choose off, red, green or blue.

Aspect Ratio

Adjust the Aspect Ratio to stretch or zoom in on your picture.

→ NOTE

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

Menu

- If the aspect ratio of the selected format is different from the one of the TV transmission or video programme, it can cause a difference in vision.
- When using PC connected via HDMI terminal, the moving image quality may be deteriorated.

HDMI 2.0 Format

Match the connected device output format. You can select Standard format and Enhanced format in HDMI mode. Enhanced format for devices of 4K@50/60Hz (YCbCr4:4:4, YCbCr4:2:2).

Apply Picture Settings

Adjust current picture mode to apply to current source or all sources

Restore Current Mode To Default

Reset current picture settings to factory mode.

Sound

System sounds

Open the default system sound.

dbx-tv Sound Mode

Select a preset sound mode to suit the type of content you are listening to.

Speakers

Select the speakers which you want to use.

Total Sonics™

Optimizes overall sound quality by increasing bass, making dialog clear and natural, and widening the sound field.

Wall Mount Setup

Automatically optimize the sound based on the position of the TV.

Sound Channel

Choose to output dual, mono L, mono R.

→ NOTE

· This function may not be available in your country/region.

Advanced Settings

Tune the audio settings and quality of the TV.

- Balance: Adjust the left and right speaker strength to optimize audio for a specific location.
- Digital Audio Out: Select the digital audio output format that best suits the audio device type.

NOTE: When connected the TV with optical, Dolby Digital Plus is not suggested.

- Digital Audio Delay: Adjust the digital audio output delay time to sync sound from an external speaker with the images on the TV.
- Lip Sync: Synchronize the displayed image with the audio output.
- Equalizer: Boost the volume at different frequencies.

Audio Type

- · Audio Type: Select the audio type of programmes.
- Voiceover volume: Independently adjust the volume of voiceover.

Restore Current Mode To Default

Reset current audio settings to factory mode.

Channels

Tuner Mode

Select if you receive TV channels over the air (antenna) or through a cable set top box as the input will be used during a channel scan.

Auto Scan

Automatically scan for channels to view programmes from your TV source.

Channel Edit

Manually edit the channel list order to your preference.

Advanced Settings

Adjust advanced settings for Channel.

- DTV Manual Scan: Search and store the channels under DTV mode.
- ATV Manual Scan: Search and store the channels under ATV mode.
- ATV Fine Tuning: Fine tuning current channel to improve the programme picture.
- Channel List Auto-Update: Allow your TV auto-update the channel list from the content provider.
- Audio Language: Select a desired language from the list in DTV mode.
- NOTE: This function may not be available in your country/region.
- PVR Time-Shift Settings: Initialize the external USB disk to support PVR and Time-Shift. (Since the function record temporary the program onto a hard disk only.)

Parental Controls

The Parental Controls setting allows you to block content that is not appropriate for children to watch.

Turning Parental Controls On

- 1 Go to Locks.
- 2 Press the [OK] button on your remote, a Create PIN window displays. Using the D-pad on your remote, create the password.
- 3 Press the [OK] button to turn the locks On.

You will see the other Parental Controls settings change from a greyed out state to highlighted. When this occurs, begin adding other settings to the Block Time, Channel Block, Program Block, Input Block, Change PIN or Reset features.

Block Time

Block certain channels and programmes during certain periods of time.

Menu

Channel Block

Block programmes by channels when you turn on the Parental Controls feature.

Program Block

Certain programmes are blocked when you activate the parental controls settings.

Input Block

Block content from devices that are connected to certain TV ports.

Change PIN

Change the PIN that you use to access Parental Controls.

→ NOTE

If you forget your password, call the Consumer Electronics Care Center.

Reset

Reset Parental Controls back to the factory setting.

Audio Only

When you select this option, the screen will not display the picture. You can only listen the audio. Press any button except the $[\begin{tabular}{c} \begin{tabular}{c} \begin{tabular$

Teletext

Display the teletext mode.

→ NOTE

This function is only visible when the selected channel has the corresponding information.

MTS

You can set MTS for Mono Stereo, DUAL1 or DUAL2 in ATV mode.

→ NOTE

This function may not be available in your country/region.

Sleep Timer

Set the sleep timer to automatically turn the TV off within a specified time: off, 10 Minutes, 20 Minutes, 30 Minutes, 40 Minutes, 50 Minutes, 60 Minutes, 90 Minutes and 120 Minutes.

Settings

Settings lets you configure the TV, set app options, add accounts, and change other preferences.

Help

System Message

View system message, including: Serial Number, Service Code, Software Version, etc.

→ NOTE

Serial Number may not be displayed in your country/region.

Signal Information

Perform self diagnosis to test Video Format, Audio Format, Color Depth, etc.

Settings

Using the Settings

Press the [O] button on your remote to enter the Home screen, and use the D-pad to select the \triangle icon to access the Settings.

Network

Wi-Fi

Turn on the Wi-Fi to access the Internet via a wireless network connection.

Select an available network, press **[OK]** to confirm. A screen will appear to prompt you to enter the password if necessary.

Connect via WPS

If your access point (AP) supports Wi-Fi Protected Setup (WPS), you can connect to the network via press the Wi-Fi Protected Setup button on your router. WPS will automatically configure the SSID and WPA key.

Add new network

You can add wireless network.

Scanning always available

Check to scan for networks even when Wi-Fi is turned off.

Anyview Stream

Allow to view videos, images and music shared from another device in your network.

Not connected

Show whether the Ethernet is connected.

Proxy settings

You can set the proxy server.

→ NOTE

HTTP proxy is used by the browser but may not used by other apps.

IP settings

Configure the IP setting for your network connection.

Inputs

You can see the state of devices that the TV connected: Connected Input, Standby Inputs and Not connected Input.

Consumer Electronic Control (CEC)

HDMI control

Allow the TV to control HDMI devices.

Device auto power off

Power off HDMI devices with the TV.

TV auto power on

Power on the TV with HDMI device.

→ NOTES

- HDMI cables must be used to connect HDMI CEC-compatible devices to your TV.
- The HDMI CEC feature of the connected device must be turned on.

- If you connect an HDMI device that is not HDMI CECcompatible, all the HDMI-CEC Control features do not work.
- Depending on the connected HDMI device, the HDMI-CEC Control feature may not work.

Picture / Sound / Help / Parental Controls

See other chapters for more information about these settings.

Google Cast

Enables you to extend your app to direct its streaming video and audio to the TV.

Apps

You can view details about an app or other item listed. The information and controls available vary among different types of apps.

Screen Saver

Enables screen saver when the TV is idle.

Usage Mode

Set the TV to use in Home or Store mode.

Wake Up

Wake on LAN

An application on your second screen with Wake on Wired LAN will turn on your TV when you use the feature.

- 1. Your TV and the device must in the same LAN.
- Click the screencast icon in the device's app (like YouTube).The device displays the ID of all available devices.
- 3.Click on your TV name, the TV opens the app or casts the contents on the app to the TV.

When the device casts the contents of app to the TV which in standby mode, the TV automatically boots.

Wake on Wireless Network

An application on your second screen with Wake on Wireless will turn on your TV when you use the feature. (See "Wake on LAN" for more details.)

Wake on Cast

Wake up the TV with the cast function.

Send Diagnostics and Usage

Allow to send the diagnostics and usage of the report.

Setup assistant

Use the Setup assistant for instructions to help you set up your TV.

Storage & reset

You can view the TV storage and also you can reset to the factory data

Settings

About

You can view the version information, the status of network, and other information. You can also update the software version or change the TV's name.

System update

We will provide software updates to continuously enhance your TV and correct any issues that may impact your user experience; therefore, we recommend that you keep your TV connected to the Internet to automatically receive updates when they are available.

Device name

Choose a name for your TV. The name will be shown to devices that are available for sharing data.

Date & time

Automatic date & time

Use network-provided time. You can also set the current time manually when Off is selected.

Set date

Set the date.

Set time

Set the time.

Set time zone

Select your time zone.

Daylight Savings

Select whether to apply Daylight Savings Time to the TV.

→ NOTE

Some models don't support this function.

Use 24-hour format

Set the time to display in a 12 or 24-hour format.

Timers

Sleep timer

Set the sleep timer to automatically turn the TV off within a specified time: off, 10 Minutes, 20 Minutes, 30 Minutes, 40 Minutes, 50 Minutes, 60 Minutes, 90 Minutes and 120 Minutes.

Power on timer

Set the clock for the time you want the TV to turn on automatically.

Power off timer

Set the clock for the time you want the TV to turn off automatically.

Power On Mode

TV will be powered on based on the mode when TV is reconnected with AC power.

Auto Sleep

Set the amount of time that you'd like for TV auto power off without any activity: Off, 3H, 4H.

→ NOTE

This function is only available on certain models in specific geographical areas.

Language

Adjust the default Language settings for the TV.

Keyboard

Adjust the default settings for the keyboard.

Home screen

Customize channels

Add or delete the app icon from Home screen.

Enable video previews

Enables or disables the video previews.

Enable audio previews

Enables or disables the audio previews.

Reorder apps / Reorder games

Rearrange the Apps screen.

Android TV Home / Android TV Core Services

See the information of open source software licences.

Google

You can view permissions about accounts and limit the search results.

Add accessory

Connect your Bluetooth devices (like a keyboard, a mouse, a soundbar etc.) to the TV.

Before you can use a Bluetooth device with your TV, you must pair it first.

- 1 Make the device you want to pair discoverable. See the documentation that came with your device to learn how to make it discoverable.
- 2 The TV displays the ID of all available devices in range.
- 3 Click the ID of the Bluetooth device in the list on your TV to pair with it
- 4 Follow the prompts to complete the pairing.

Location

Your TV can use different modes to access location information. Each mode uses different sources to estimate the TV's location.

Security & restrictions

Enables unknown sources, checking of apps installed for harmful behavior.

Usage & Diagnostics

Help improve Android performance by automatically sending diagnostics information.

Settings

Add account

You can use multiple Google Accounts on your TV. You may also be able to add other kinds of accounts, depending on your apps.

Advanced Features

Getting Familiar with the Home screen

The simple design of the Home screen menu makes it easy to navigate. And you can easily add or delete applications in the Home interface according to your needs.

To access the Home screen, press the [\bigcirc] button on your remote control and use the D-pad to make your selection.

Indicators and Icons on the top of the Home screen

Google Assistant

You can search movies, TV, and more by speaking.

Google Search

You can search movies, TV, and more by typing.

Notifications

Notifications can come from the system, an external device, an application, the media player etc.

Inputs

Select the Input source depending on the device you have connected to your TV.

Settings

Settings lets you configure the TV, set app options, add accounts, and change other preferences.

Time

You can always view the current time on the Home screen.

Names of sections that appear on the Home screen

The Home screen displays the following section names.

Apps

This is the one location where you have access to all the apps on your TV, You can enjoy a wide range of services including video streaming.

Play Next

You can select types of content for play next, you can also manually add a programmes to play next by long-pressing on a programmes in the Home screen.

Recommended content

Here the premium content will display on the screen, you can quickly enter these contents what you want.

Apps

Numerous factory-installed apps are available for you to choose from for your entertainment preferences.

Installing an App

To install an app:

- 1 From the Home screen, click on the Apps and select the Get more apps.
- 2 Use the navigation buttons on your remote to select the app that you want to install.
- 3 Select the INSTALL.

Removing an App

You can only delete apps that you've installed to the TV. Factory-installed apps can not be deleted.

To delete an app:

- 1 From the Apps screen, use the navigation buttons on your remote to select the app that you want to remove. Long press the [OK] button on your remote.
- 2 Click on Uninstall.
- 3 A dialog message displays that asks do you want to uninstall this app. Confirm and the icon is removed from the Apps screen

NOTE

If an app is deleted, the information related to that app is also removed.

Moving App Icons around

To move an app:

- 1 From the Apps screen, use the navigation buttons on your remote to select the app that you want to move. Long press the [OK] button on your remote.
- 2 Click on Move.
- 3 Use the navigation buttons on your remote to move the location of app. Press the [OK] button to confirm.

Advanced Features

Media

Media is a central location for you to view or listen to different types of content (for example, your photos, music and movies) through the following methods:

- . A USB thumb drive or hard drive.
- Compatible mobile phone, tablet or other personal devices: You can stream movies, music and photos that are stored on Compatible personal device and play or view the content on your TV.

Browsing Content

You have two ways to enter Media:

- Insert a USB device, a prompt message appears and you can choose whether to go to the Media.
- When your USB device is connected to the TV that doesn't show Media page, press the [O] button on your remote, and browse down to click Media.

To browse through content based on the type that you wish to access:

- Navigate to the appropriate menu tab on the screen and select All Media, Videos, Photos, Music.
- 2 Click on the name of the folder that contains your content.
- 3 Make your selection to play or view the content.

If you want to close out of the Media center, then press the [$\begin{cal}\leftarrow\\ \end{cal}$] button on your remote.

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

Troubleshooting

If the TV does not operate as usual or appears to be faulty, please read carefully this section. Many operational issues can be resolved by users.

It is also advisable to unplug the TV from the AC socket on the wall for 60 seconds or more, then reconnect and start again. This simple procedure helps in restoring stable conditions for electric circuits and firmware of the unit.

Picture Problem

When the TV has trouble with the picture, these steps may help resolve the problem.

The Problem	Possible Solutions
No picture, or black and white picture.	 Unplug TV from AC outlet and re-plug after 60 seconds.
	Try different TV channels.
	 The compression of video content may cause picture distortions, especially in fast moving pictures from sports programmes and action movies.
The picture is distorted.	 If the signal reception is weak or poor, screen distortion may be visible but it is not a malfunction.
	 Mobile phones used close to the TV (within 1m) may cause noise on analogue and digital channels.

Sound Problem

When the TV has difficulties with sound, these steps may help resolve the problem.

The Problem	Possible Solutions
There is no sound or the sound is too low at maximum volume.	Check the volume control of the device (cable or satellite box, DVD, Blu-ray, etc.) connected to your TV.
Picture is normal, but no sound.	Check the volume settings.Check if 'Mute' mode is set to on.
The speakers are making an odd sound.	Make sure that the audio cable is connected to the correct audio output connector on the external device.
	• For antenna or cable connections, check the signal information.
	 A low signal level may cause sound distortions.

Picture and Sound Problem

When the TV has difficulties with sound and picture, these steps may help resolve the problem.

The Problem	Possible Solutions
No sound and picture.	 Check if the power cord is plugged into a powered AC outlet.
	. Press the $\textcircled{\textbf{U}}$ button in the remote control to activate the unit from Standby.
	Check to see if the LED light is on or not. If it is, then the TV is receiving power.
I have connected an external source to my TV but I get no picture and/or sound.	Check the correct connection on the external source and the input connection on the TV.
	 Make sure you have made the correct selection for the input mode for the incoming signal.
Sound and picture distorted or appear wavy.	 Some electrical appliances may affect TV set. If you turn off the appliance and the interference goes away, then move it further away from TV.
	 Insert the power plug of the TV set into another power outlet.
Sound and picture is blurry or cuts out momentarily.	 If you use an external antenna, check the direction, position and connection of the antenna.
	 Adjust the direction of your antenna or reset or fine tune the channel.

Internet Problem

When the TV has difficulties connecting to the Internet, these steps may help resolve the problem.

The Problem	Possible Solutions
The TV cannot connect to your network or apps.	Contact your Internet service provider.
	Make sure the TV has a network connection.
The wireless network connection failed.	Make sure your wireless modem/router is on and connected to the Internet.
The wireless network signal is too weak.	 Position your wireless router, modem router, or access point in a central location. Avoid putting it in a corner.

Troubleshooting

My File Won't Play

When files aren't playing, this may help resolve the problem.

The Problem	Possible Solutions
Some files can't be played.	 This problem may occur with high-bitrate files. Most files can be played back, but you might experience problems with high-bitrate files.

Recording/Timeshift Function Isn't Working

When Timeshift or Schedule recording aren't working, these steps may help resolve the problem.

The Problem	Possible Solutions
Schedule Recording cannot be used.	Check if there is a USB device connected to the TV.
	 Recording will automatically stop if the signal becomes too weak.
	 Check the free space on the USB device. The function will not work if there isn't enough storage space on the USB device.

→ NOTE

 The Recording/Timeshift functions are only applicable in certain models.

Other Issues

Use these procedures to resolve other issues that may occur.

The Problem	Possible Solutions
The TV is hot.	• Watching TV for an extended period of time causes the panel to generate heat. The heat from the panel is dissipated through internal vents running along the top of the TV. However, after extended use, you may feel hot when touch it. This heat, however, is not a defect and does not affect the TV's functionality.
The TV smells of plastic.	This smell is normal and will dissipate over time.
The plastic cabinet makes a "clicking" type of sound.	 The 'click' sound can be caused when the temperature of the television changes. This change causes the television cabinet to expand or contract, which makes the sound. This is normal and the TV is OK.
Remote control does not work.	 Confirm that TV still has power and is operational.
	Change the batteries in the remote control.
	Check if the batteries are correctly installed.

Other Information

Specifications

☑ Features, appearance and specifications are subject to change without notice.

	Item	50" 55"				
Dimension	Without Stand	1112 × 657 × 78 mm	1230 × 726 × 77 mm			
(W×H×D)	With Stand	1112 × 682 × 207 mm	1230 × 750 × 207 mm			
	Without Stand	12.5 kg	13.6 kg			
Weight	With Stand	13.5 kg	14.6 kg			
Active Screen S	ize	50 inches	55 inches			
Screen resolution		3840 × 2160	3840 × 2160			
Audio power		10W + 10W	12W + 12W			
Power consumption		130W	150W			
	Item	65"	75"			
Dimension	nension Without Stand 1446 × 846 × 83 mm 1676 × 968 ×		1676 × 968 × 77 mm			
(W×H×D)	With Stand	1446 × 875 × 256 mm	1676 × 1012 × 334 mm			
Weight	Without Stand	19.3 kg	25.4 kg			
Weight	With Stand	20.5 kg	26.2 kg			
Active Screen S	ize	65 inches	75 inches			
Screen resolution	on	3840 × 2160	3840 × 2160			
Audio power		12W + 12W	15W + 15W			
Power consumption		185W	280W			
Power supply		100-240V~ 50/60Hz				
Receiving	Analog	SECAM, PAL				
systems	Digital	CABLE, DVB-T/T2, DVB-C				
	Model	ZDGFMT7668AU				
	Francisco Panes	2.4~2.4835GHz				
	Frequency Range	5.15~5.85GHz				
Power consump Power supply Receiving systems Wireless LAN Module		2.4~2.4835GHz 18dBm				
		5.15~5.25GHz 14.5dBm				
	Output Power (Max.)	5.25~5.35GHz(DFS Band) 14.5dBm				
Power supply Receiving Systems Dig Mod Free Wireless LAN Module Specifications Out Mod Rivetooth		5.49~5.71GHz(DFS/TPC Band) 14.5dBm				
		5.725~5.85GHz(for Non EU) 14.5dBm				
Bluetooth	Model	ZDGFMT7668AU				
Module	Frequency Range	2.4~2.4835GHz	75" 1676 × 968 × 77 mm 1676 × 1012 × 334 mm 25.4 kg 26.2 kg 75 inches 3840 × 2160 15W + 15W 280W			
specifications	Output Power (Max.)	2.4~2.4835GHz, Class1, 6dBm				
		Temperature: 5°C - 35°C				
Environmental conditions		Humidity: 20% - 80% RH				
		Atmospheric pressure: 86 kPa - 106 kPa				
HDMI Input		RGB / 60 Hz (640x480, 800x600, 1024x768, 1280x768, 1360x768, 1280x1024) YUV / 60Hz (480 I(for all size except 50"), 480 P, 720 P, 1080 I, 1080 P) YUV / 50Hz (576 I, 576 P, 720 P, 1080 I, 1080 P) 3840×2160 4:2:0 24/50/60p 3840×2160 4:4:4 30/25/24p 3840×2160 4:2:2 30/25/24p 3840×2160 4:2:0 50/60p 4096×2160 4:2:0 50/60p 4096×2160 4:2:2 30/25/24p 4096×2160 4:2:2 30/25/24p				

Other Information

Media Format List

Video:

Number	Container	Video Codec (file type)	File Extension Name	Sampling rate SPEC	Bit Rate	Profile	Remark
1	MPG	Mpeg1	.dat .mpg.mpeg	720X576 @ 30fps	20Mbps		Y(.mpg.mpeg) N(.dat)
2	WIFG	Mpeg2	.dat .mpg.mpeg	1080P @ 60fps	20Mbps	Main Profile	Y(.mpg.mpeg) N(.dat)
3	MPEG	Mpeg1	.dat .mpg.mpeg	720X576 @ 30fps	20Mbps		Y(.mpg.mpeg) N(.dat)
4		Mpeg2	.dat .mpg.mpeg	1080P @ 60fps	20Mbps	Main Profile	Y(.mpg.mpeg) N(.dat)
5	MPEG2 -PS	MPEG2	.vob	1080P @ 60fps	20Mbps	MPEG2: MP@HL	Y
6	MP4	Mpeg4	.mp4	1080P @ 30fps	20Mbps	Simple Profile and Advanced Simple Profile @Level 5	Y
7		H.264	.mp4	3840X2304 @ 60fps	20Mbps	Main Profile and High 10@Level 5	Y
8		Motion JPEG	.mp4	680X480 @ 30fps	10Mbps		Y
9	MKV	Mpeg1,2,4	.mkv	1080P @ 30fps	20Mbps	MPEG2: MP@HL MPEG4: Simple Profile and Advanced Simple Profile @Level 5	Y
10		H.264	.mkv	3840X2304 @ 60fps	20Mbps	Main Profile and High 10@Level 5	Y
11		Motion JPEG	.mkv	680X480 @ 30fps	10Mbps		Y
12	AVI	Mpeg2,4	.divx.avi	1080P @ 60fps	20Mbps	MPEG2: MP@HL MPEG4: Simple Profile and Advanced Simple Profile @Level 5	Y(.avi) N(.divx)
13		H.264	.divx.avi	3840X2304 @ 60fps	20Mbps	Main Profile and High 10@Level 5	Y(.avi) N(.divx)
14		Motion JPEG	.divx.avi	680X480 @ 30fps	10Mbps		Y(.avi) N(.divx)
15	ASF	Mpeg2,4	.asf.wmv	1080P @ 60fps	20Mbps	MPEG2: MP@HL MPEG4: Simple Profile and Advanced Simple Profile @Level 5	Y(.wmv) N(.asf)
16		H.264	.asf.wmv	1080P @ 30fps	20Mbps	Main Profile and High Profile@Level 4.0	Y(.wmv) N(.asf)
17	FLV	H.264	.swf.flv	1080P @ 30fps	20Mbps	Main Profile and High Profile@Level 4.2	Y(.flv) N(.swf)
18		H.265		3840X2304 @ 60fps		Main 10@L5.1	Y

Audio:

Number	Container	Audio Codec(file type)	File Extension Name	Bit Rate	Remark
1		MPEG1 Layer2	.MP3	32kbps ~ 448kbps(Bit rate) 32kHz ~ 48kHz(Sampling rate)	8kbps ~ 384kbps(Bit rate)
2		MPEG1 Layer3	.MP3	32kbps ~ 320kbps(Bit rate) 32kHz ~ 48kHz(Sampling rate)	Y
3		AAC, HEAAC	.m4a.aac	24kbps ~ 384kbps(Bit rate) 8kHz ~ 48kHz(Sampling rate)	Y
4		WMA	.wma	Bitrate: 128bps ~ 320kbps Sampling Rate: 8kHz ~ 48kHz	Y
5		WMA Pro	.wma	<768kbps(Bit rate) Sampling Rate: ~ 96kHz	Y
6		LPCM	N/A (work with video files only)	Bitrate: 64kbps ~ 1.5Mbps Sampling Rate: 8kHz ~ 48kHz	Y
7		IMA-ADPCM/MS- ADPCM	N/A (work with video files only)	Bitrate: 384kbps Sampling Rate: 8kHz ~ 48kHz	Y
8		AC-3	.ts .mkv		Y

Other Information

Photo:

Number	Container	File Extension Name	Photo	Resolution	Required DRAM size (Mbytes)	bytes	Remark	
1	- JPEG	.jpeg	Base-line	15360x8640 (1920X8 1080X8)	3.96	414720	Y	
2		IDEC		Progressive	1024x768	6.00	6291456	Υ
3		JPEG	.jpg	Base-line	15360x8640 (1920X8 1080X8)	3.96	414720	Y
4				Progressive	1024x768	6.00	6291456	Y
5	PNG	PNG	222	non-interlace	9600x6400	3.66	3840000	Y
6			.png	interlace	1200x800	3.66	3840000	Y
7	BMP	.bmp		9600x6400	3.66	3840000	Y	

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License Information

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The black bar indicates that the product was placed on the market after August 13, 2005.

By participating in separate collection of products and batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health



For more detailed information about the collection and recycling programmes available in your country/region, please visit our website (www.toshiba.eu/recycling) or contact your local city office or the shop where you purchased the product.

Disposal of batteries and/or accumulators

The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.

If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the European Battery Directive, then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol.



By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health. For more detailed information about the collection and recycling programmes available in your country/region, please visit our website (www.toshiba.eu/recycling) or contact your local city office or the shop where you purchased the product.

Jordan only

This product is carrying the CE -mark in accordance with the related European Directives.

