TOSHIBA
Leading Innovation >>>

OWNER'S MANUAL
LED TV

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

✖MHL™

▷◁ DOLBY AUDIO™

dts TruSurround

androidtv

43U775* Series
49U775* Series
55U775* Series

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: _____

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.

Contents

Pedestal stand Assembling (for 43/49/55U775 ＊ Series)

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

NOTE:
Extreme care should always be used when attaching the pedestal stand to avoid damage to the LCD panel.
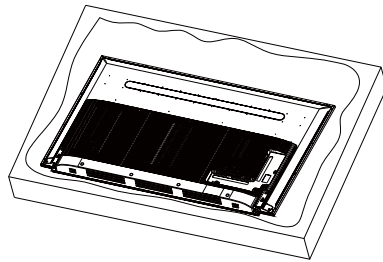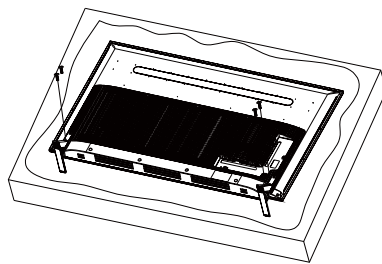
1
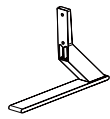
Base (2PCS)

43",49": M4 X 12 (4 PCS)
55": M4 X 10 (4 PCS)

2

3   Please tighten the base and TV set together with four screws.

Warning:
• *Ensure the power cable is not pinched when attaching the pedestal stand as this could cause an electric shock.*
• *If the pedestal stand does not hold tight when tightening screw, it may fall off and cause an injury.*

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Important Safety Instructions

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

Installation

1) 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.

TV side
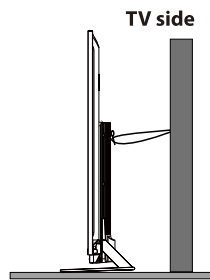
(Sample for 49U775*)

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 screen upward or leaning it.
- 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 10 cm 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.

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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.

9) 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.

2) 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.

3) 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.

4) 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.

5) 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.

6) 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.

7) 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.

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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.

2) **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.

3) **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.

4) **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 LCD display, wipe the panel surface gently with a soft, dry cloth.

2) **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".

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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.

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 Bluetooth™ 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 safe for use by consumers. These standards and recommendations 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 situations 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.
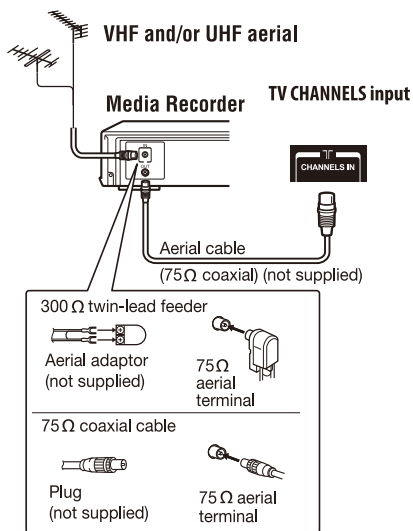
When using the aspect ratio function
- Using these functions to change the picture size (i,e., changing the height/width ratio) for any purpose other than your private viewing may be prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

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Connecting an aerial

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

VHF and/or UHF aerial

Media Recorder   **TV CHANNELS input**

CHANNELS IN

Aerial cable
(75Ω coaxial) (not supplied)

300 Ω twin-lead feeder

Aerial adaptor
(not supplied)   75Ω
                   aerial
                   terminal

75 Ω coaxial cable

Plug
(not supplied)   75 Ω aerial
                   terminal
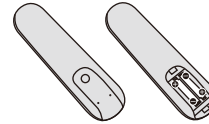
Exploring your new TV

Installing the remote control batteries

Remove the battery cover.
Insert two R03 (AAA) batteries matching the –/+ polarities of the battery to the –/+ marks inside the battery compartment.
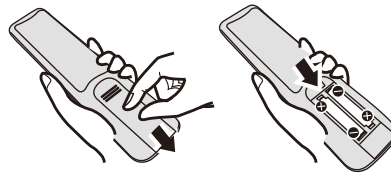
**For Bluetooth Remote:**

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.*

NOTE:
• *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.*
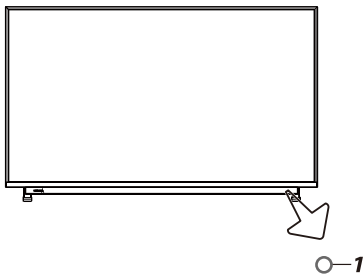• *Batteries should be limited to alkaline batteries.*

Effective range

Sample Illustration: 49U775∗ Series

30°   30°

within 5 m
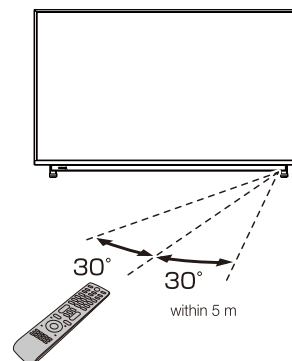
TV panel controls

- You can operate your TV using the joystick control button or the remote control. The back of the panel provide the terminal connections to connec other equipment to our TV.

TV front view

Sample Illustration: 49U775∗ Series

1 ⏻ **(power LED)** — Power indicator .
Lit in green: Turned on
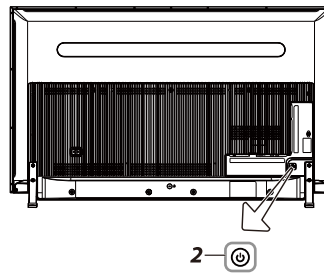Lit in red: On standby

Joystick Control Button

Joystick Control Button can perform basic controls of the TV. It is allocated on the bottom face.

NOTE:
The graphics are for representation only.

TV back view

Sample Illustration:49U775∗ Series

Turn on TV: Press in standby mode.
Turn off TV: Keep pressing about 3 seconds, then the TV will turn off.
Volume control: Lean left/right.
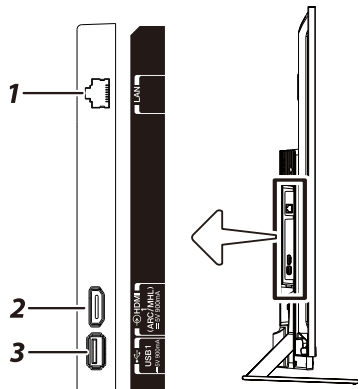**Channel change:** Lean up/down.
Input source select:
Press button, then source menu appears.
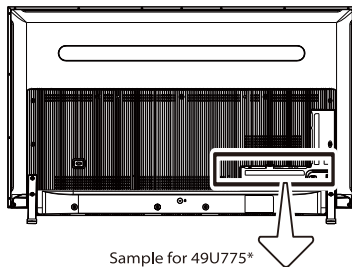Press the button again to select different input source.

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TV terminal

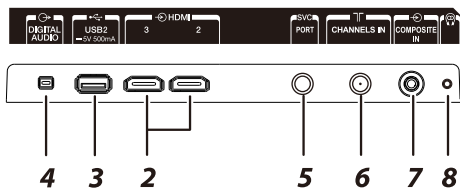*43/49/55U775* Series*

Left side view

Sample for 49U775*

TV back view

Sample for 49U775*

4 3 2   5 6 7 8

1 **LAN IN:** Network port.

2 **HDMI1(MHL/ARC)/HDMI2/HDMI3:** Connect HDMI input signal from signal source such as DVD player.
HDMI1 supports MHL&ARC function.

3 **USB1/2:** Connect your USB storage device (photo, video and music).

4 **DIGITAL AUDIO OUTPUT:** Connect the digital audio devices such as Digital Power Amplifier to the TV. The supported format is PCM and DD.

5 **SVC PORT:** Debug for only service.

6 **CHANNELS IN:** Connect a coaxial terminal with cable to receive signal from the antenna.

7 **COMPOSITE IN:** Connect video and audio input signal from signal source such as DVD.
(Need the adaptor cable.)

8 **HEADPHONE:** Speakers will be muted when headphone plugged in.

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Learning about the remote control

1   Power on/Standby.

2   Input source selection.

3   Sound Mute (This button turns the sound off/on.)

4   Change Picture Mode.

5   Change Sound Mode.

6   Set the Sleep Timer function.

7   Press to view your assigned favorite channels. Press Up/Down buttons to cycle through your assigned favorite channels, press **OK** to confirm.

8   Change aspect ratio.

9   Switch the Audio Description On/Off.

10   Number buttons (0-9)

11   To access the analog or digital Channel List.

12   Freeze the picture on the screen.

13   To show the information.

14   To access the Home screen.

15   Volume – + (These buttons adjust the volume level.)

16   Program position⌄⌃

17   To access Teletext page.

18   Access to NETFLIX interface.

19   Access to Google Play interface.

20   To access the main menu.

21   To display the digital on-screen program Guide.

22   • Menu ▲▼◄ ►
       • **OK**

23   To return to the previous menu/channel/condition.

24   **EXIT**

25   When using the Media Player
       (◄◄ ►/ll ►► l◄◄ ■ ►►l)

26   To access Subtitle Setting.

27   Stereo/Bilingual selection

28   Four color buttons : You can control Teletext page (for example) or other functions.

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Bluetooth Remote Control

1. POWER ⏻
Press to turn the TV on or standby.

2. Microphone
Voice searching, after pressing the "VOICE" button speech the voice input.

3. Up/Down/Left/Right
Navigate the menu.

4. OK
Confirm the selection.

5. BACK
Exit the current menu.

6. HOME
Press this button to access the home page, you can use the network apps, Media Player, and so on.

7. Fast Backward Button(◀◀)
Press to fast reverse.

8. Fast Forward (▶▶)
Press to fast forward.

9. Volume Up/Down(+/-)
Adjust the volume up or down.

10. Play & Pause (▶/II)
Press to pause playback,
press again to continue playback.

11. VOICE
Press to open the voice searching function.
You can click it to search for your favorite content easily and fastly just by speaking to the TV what you want through the microphone of Remote Control.

How to Pair the Bluetooth Remote with Your TV

Before using the bluetooth remote, you need to pair it with the TV firstly.
Please prepare the user Remote Control and the Bluetooth Remote Control.
The following steps are for your reference :

• Use the user Remote Control to enter the paring menu, press the **HOME** button to enter the home page.
• Press the " ▼ " button to select the "**Settings**" at the home page.
• Enter "**Settings**" to select "**Remote & accessories**";
• Select "**Add accessories"** to enter the interface of "**Searching for accessories**";
• Use the Bluetooth Remote Control, press the **HOME** and Left button together for 3 seconds until the "beep" sound.
• Check and select your Bluetooth Remote Control name on the TV searching interface; the default name is "**TV BLE Remote"**.
• Press **OK** button on user remote control to start pairing the remote.
  The screen will display "**PAIRING...."**.
• Then the screen will display "**CONNECTING..."**.
• The screen will display "**PAIRED**" if the pairing successful. After pairing, the Bluetooth Remote Control has been connected successfully for your usage right now.
• If you waiting more than 2 minutes can't pairing or the screen displayed "**COULDN'T PAIR**"; repeat the above step for pair again.

Connecting the AC power cord to your TV

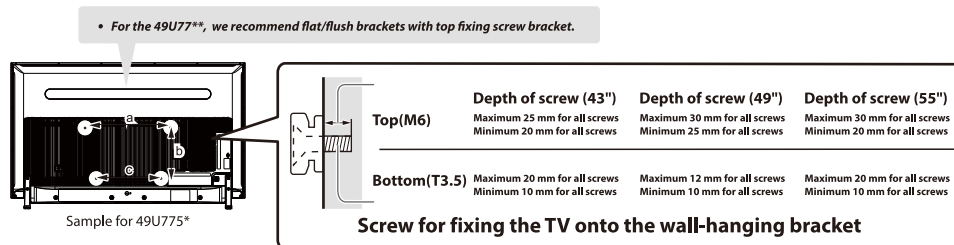**1** Push the AC power cord plug firmly into the AC IN connector on the back of the TV.

For 43/49/55U775*Series

AC IN

Sample for 49U775*

AC power cord (supplied)
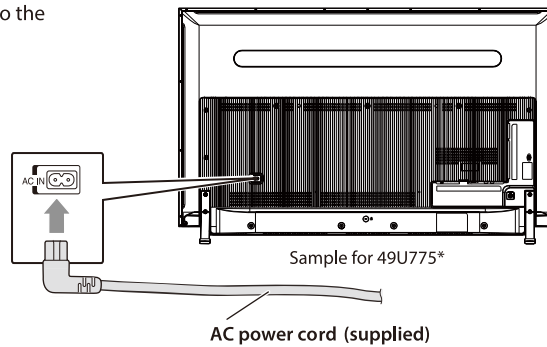
Wall-hanging bracket

Please contact your local dealer to purchase the recommended wall-haning bracket.

• Holes for wall-hanging bracket installation

• For the 49U77**, we recommend flat/flush brackets with top fixing screw bracket.

	Depth of screw (43")	Depth of screw (49")	Depth of screw (55")
Top(M6)	Maximum 25 mm for all screws Minimum 20 mm for all screws	Maximum 30 mm for all screws Minimum 25 mm for all screws	Maximum 30 mm for all screws Minimum 20 mm for all screws
Bottom(T3.5)	Maximum 20 mm for all screws Minimum 10 mm for all screws	Maximum 12 mm for all screws Minimum 10 mm for all screws	Maximum 20 mm for all screws Minimum 10 mm for all screws

Sample for 49U775*

Screw for fixing the TV onto the wall-hanging bracket

• *Rear of the TV*

| 43"	a: 200mm	49"	a: 400mm	55"	a: 400mm
	b: 200mm		b: 250mm		b: 280mm
	c: 200mm		c: 300mm		c: 400mm

Cautions:
• *Failure to use a bracket or choosing to mount the unit yourself will be done at the risk of the consumer. Always be sure to ask a qualified technician to carry out set up. Incorrect fitting may cause equipment to fall, resulting in injury and product damage. Any damage resulting from not having a professional installer mount, your unit will void your warranty.*
• *When any optional accessories or wall hanging brackets are used, always ensure that the instructions provided are followed fully.*
• *Do not mount the unit directly below ceiling lights(such as spotlights or halogen lights) which typically give off high heat. Doing so may warp or damage plastic cabinet parts.*
• *Take care when fixing wall brackets to the wall. Wall mounted equipment shall not be grounded by metal within the wall. Always ensure that there are no electrical cables or pipes in the wall before hanging bracket.*
• *To prevent fall and injury, remove the TV from its fixed wall position when it is no longer in use.*

13

Tuning the TV for the first time

Before switching on the TV, put your decoder and media recorder to standby, if they are connected, and ensure that the aerial is connected. To setup the TV, use the buttons on the remote control.
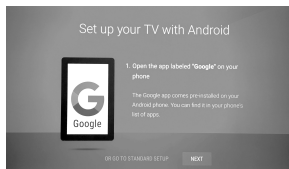
1 Press the ⏻ button. The **Welcome** interface will appear, you can press ▲ or ▼ to select the language you want.
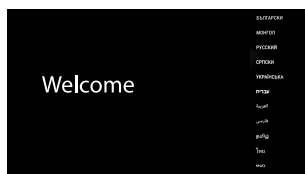
2 Set your TV with Android device, select **YES** to set TV with Android; select **NO** to skip to network settings .
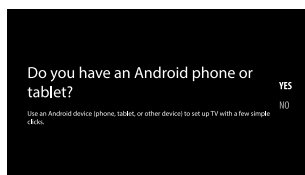
If you select **YES** to set TV with Android:

- In the search box, type **"set up my device"**, or just say **"Ok, Google, set up my device"**. Tap your device on the list, and follow the instructions.
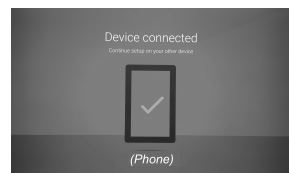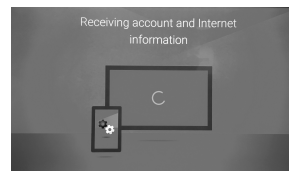

- Verify your code on your device.

- Choose your Wifi network, enter the Wifi password (if necessary).
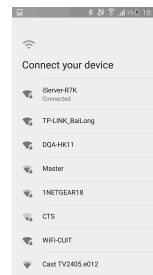
- Choose an account. Then it will disappear a tip: "**Copy to your other device?**" Tap **COPY** to continue.
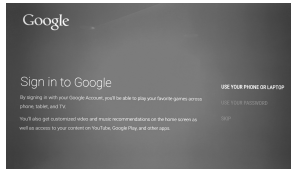

- Receiving account and Internet information. You can use your Android phone or tablet as a remote for your Android TV.
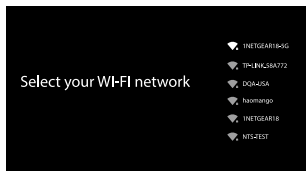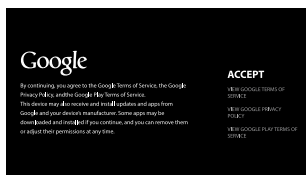

- Finish setup on your globe.

• Use TV code Connect to your TV.

• Sign in to Google.

Google

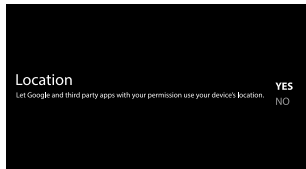Sign in to Google   USE YOUR PHONE OR LAPTOP

By signing in with your Google Account, you'll be able to play your favorite games across   USE YOUR PASSWORD
phone, tablet, and TV.   SKIP

You'll also get customized video and music recommendations on the home screen as
well as access to your content on YouTube, Google Play, and other apps.

3 Select your network or skip the connection.

Select your WI-FI network

    1NETGEAR16-5G
    TP-LINK_SBA772
    DQA-USA
    haomango
    1NETGEAR18
    NTS-TEST

4 Google agreement.

Google   **ACCEPT**

By continuing, you agree to the Google Terms of Service, the Google   VIEW GOOGLE TERMS OF
Privacy Policy, and the Google Play Terms of Service.   SERVICE
This device may also receive and install updates and apps from
Google and your device's manufacturer. Some apps may be   VIEW GOOGLE PRIVACY
downloaded and installed if you continue, and you can remove them   POLICY
or adjust their permissions at any time.
                                                                      VIEW GOOGLE PLAY TERMS OF
                                                                      SERVICE

5 Set the location.

Location   **YES**
Let Google and third party apps with your permission use your device's location.   NO

6 Help improve Android TV.

Hepl improve Android TV   **YES**
Help improve your Android TV by automatically sending diagnostic and usage data   NO
to Google. This information won't be used to identify you and helps teams working
on things like app performance and new Google features. Learn more at http://g.co/
AndroidUsageHelp.

7 Set your country.

Google   **Indonesia**

Country   Vietnam
Please select your country: Malaysia
                                             Thailand
                                             Israel

8 Read the Software Notice:

Software Notice:

CANCEL   AGREE

9 Select the Tuner Mode:

Google

Tuner Mode   **DVB-T**
Please select your tuner mode: DVB-C

10 Channel Scan:

Google

Channel Scan   **Scan**
First, please connect antenna.   Skip Scan
Start channel scan now?
If you skip this step, the channel scan could be performed in Menu.

11 Setup is complete!

Setup is complete.   **FINISH**
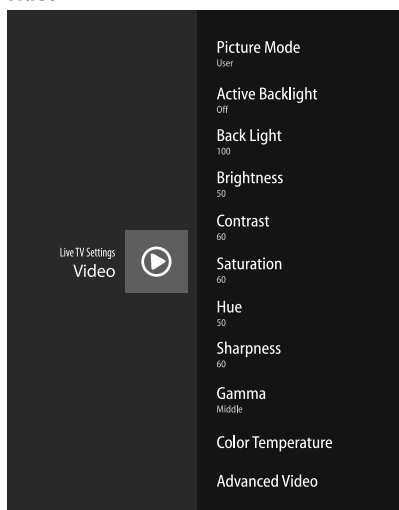
15
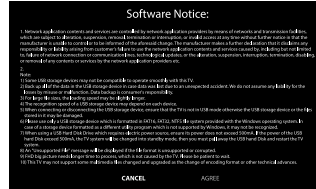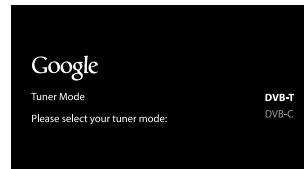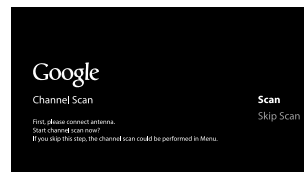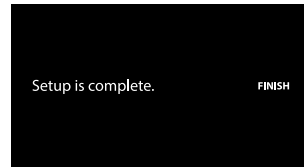
Learning about the menu system

We suggest you familiarize yourself with the display charts before using the menu system:
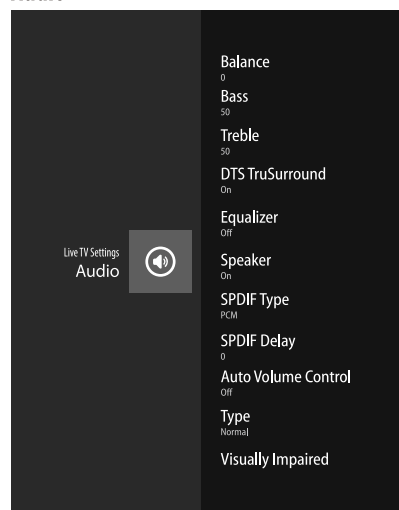• Press **MENU** to display **Menu Options**, press ◄ or ► to select the **Menu** or **Manual OAD Download**.
• From the **Menu**, press ▲ or ▼ to select main menu headings.
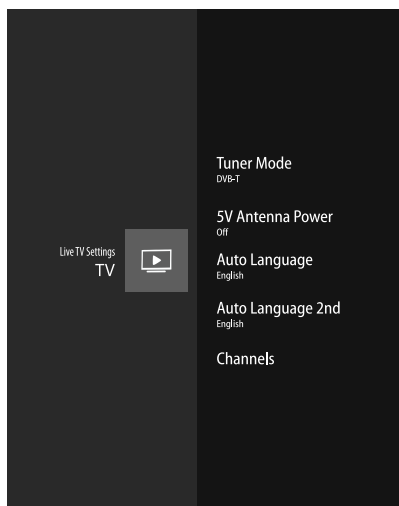• Press **BACK** to return back.

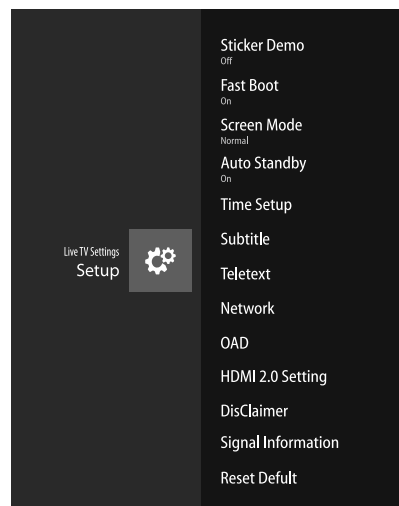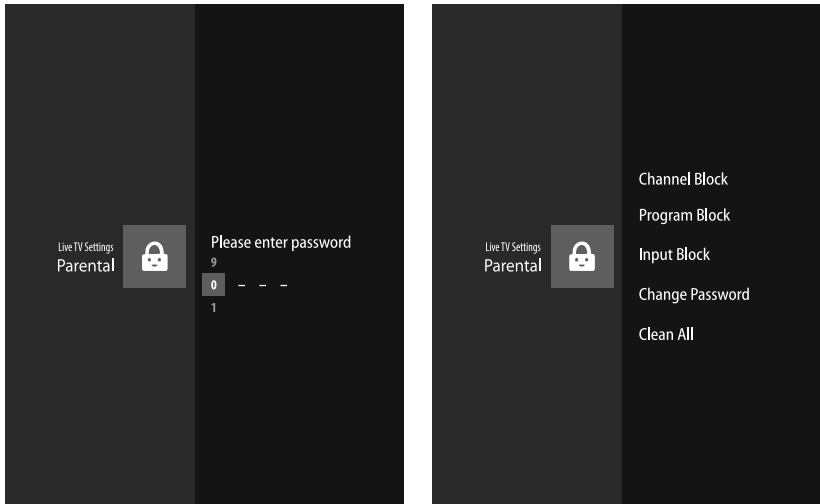### Displaying the Live TV Settings

Video

Live TV Settings
Video

Picture Mode
User

Active Backlight
Off

Back Light
100

Brightness
50

Contrast
60

Saturation
60

Hue
50

Sharpness
60

Gamma
Middle

Color Temperature

Advanced Video

Audio

Live TV Settings
Audio

Balance
0

Bass
50

Treble
50

DTS TruSurround
On

Equalizer
Off

Speaker
On

SPDIF Type
PCM

SPDIF Delay
0

Auto Volume Control
Off

Type
Normal

Visually Impaired

TV

Live TV Settings
TV

Tuner Mode
DVB-T

5V Antenna Power
Off

Auto Language
English

Auto Language 2nd
English

Channels

Setup

Live TV Settings
Setup

Sticker Demo
Off

Fast Boot
On

Screen Mode
Normal

Auto Standby
On

Time Setup

Subtitle

Teletext

Network

OAD

HDMI 2.0 Setting

DisClaimer

Signal Information

Reset Defult

Parental

Live TV Settings
Parental

Please enter password
9
0 − − −
1

Live TV Settings
Parental

Channel Block

Program Block

Input Block

Change Password

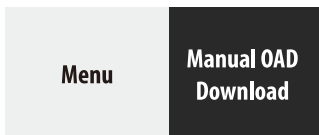Clean All

Using the Manual OAD Download

From the **Menu Options** menu, press ◀ or ▶ to select the **Manual OAD Download** and press **OK**.
Manually download and upgrade software by the air.

Menu	Manual OAD Download

NOTE:
• *To return to the previous menu, press **BACK**.*
• ***Audio Language** will changed by different country settings.*
• ***Postal Code** only available for Indonesia.*
• ***TV menu is** only available for **DTV & ATV** source.*
• ***Standby Auto Tuning** is only for Malaysia in DVB-T input.*
• ***Country Region** is only for Australia.*
• ***5V Antenna Power** is only for Thailand.*
• *The options of **Tuner Mode** and **Audio Language** is depend on the settings when you turning your TV for the first time.*
• ***Manual OAD Download** is only for **DTV** Source.*

17

Selecting the external input source to view

1 Press ⏻ on the remote control until the external input mode list appears on the screen, then press ▲ , ▼ to select appropriate input source.

2 Press **OK**.

**Input**

▦	DTV
▦	ATV
◁	HDMI 1 / MHL
◁	HDMI 2
◁	HDMI 3
▦	Composite

NOTE:

The Input source list of the options are displayed as follows.
- *DTV/ATV/Composite/HDMI1(MHL/ARC)/HDMI2/ HDMI3. (49/55U775*)*
- *It will appear the Google Play Movies source when you update the TV system; connected the network; or log in Google account .*

Using the Favotite menu

1 Press **FAVORITE** button on remote control to display the favorite menu.

2 Press ▲or ▼ to select the space, then press **OK** to add current program in the favorate list. Press **OK** again to cancel your selection.

Favorite List

1. 801

2. 802

3. 803

4. 804
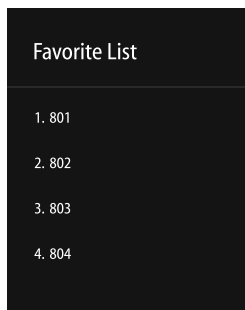
Video adjustment

Activating the Picture Mode
This TV offers the choice of personalizing the picture style. User, Cinema, Sport, Vivid, Hi-Bright are prepared.

1 From the **Video** menu, press ▲or ▼ to select **Picture Mode** and press **OK**.

2 Press ▲ or▼ to select your desired **Picture Mode**.

Using the Active Backlight
In order to improve screen visibility, the Active Backlight sets the screen brightness automatically during dark scenes.

1 From the **Video** menu, press ▲or ▼ to select **Active Backlight** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Adjusting the Back Light
In order to improve screen visibility, the Back Light sets the screen brightness during dark scenes.

1 From the **Video** menu, press ▲or ▼ to select **Back Light** and press **OK**.

2 Press ◀or ▶ to select the options **(0~100)**.

Adjusting the Brightness
Adjusts the brightness of the picture, and usually is adjusted together with Contrast.

1 From the **Video** menu, press ▲or ▼ to select **Brightness** and press **OK**.

2 Press ◀or ▶ to select the options **(0~100)**.

Adjusting the Contrast
Adjusts the difference between the light and dark areas of the picture. To get better picture value, Contrast should be adjusted to the proper value.

1 From the **Video** menu, press ▲or ▼ to select **Contrast** and press **OK**.

2 Press ◀or ▶ to select the options **(0~100)**.

Adjusting the Saturation
Adjusts the richness of color.

1 From the **Video** menu, press ▲ or ▼ to select **Saturation** and press **OK**.

2 Press ◄ or ► to select the options **(0~100)**.

Adjusting the HUE
Adjust the color orientation of the picture.

1 From the **Video** menu, press ▲ or ▼ to select **HUE** and press **OK**.

2 Press ◄ or ► to select the options **(0~100)**.

Adjusting the Sharpness
Adjusts the crispness of the edges in the picture.

1 From the **Video** menu, press ▲ or ▼ to select **Sharpness** and press **OK**.

2 Press ◄ or ► to select the options **(0~100)**.

Adjusting the Gamma function
Adjust the primary color intensity.

1 From the **Video** menu, press ▲ or ▼ to select **Gamma** and press **OK**.

2 Press ▲ or ▼ to select **Dark**, **Middle**, **Bright**.

Adjusting the Color Temperature
Color Temperature increases the warmth or coolness of the picture by setting the Cool, Standard, or Warm.

1 From the **Video** menu, press ▲ or ▼ to select **Color Temperature** and press **OK**.

2 From **Color Temperature** menu, you can press ▲ or ▼ to select **Cool**, **Standard**, **Warm** to suit your preference.

Adjusting the Advanced Video menu
1 From the **Video** menu, press ▲ or ▼ to select **Advanced Video** and press **OK**.
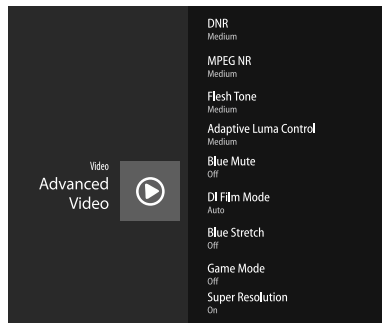
Activating the DNR function
When the signal is weak, some static and ghosting may appear. Select one of the options until the best picture is displayed.

1 From the **Advanced Video** menu, press ▲ or ▼ to select **DNR** and press **OK**.

2 Then press ▲ or ▼ to select **Off**, **Low**, **Medium**, **Strong**, **Auto**.

Activating the MPEG NR function
If the receiving signal of MPEG is a mosquito (grained) noise depending on the compression and conversion, the picture is weak and the picture is blurry, the picture may be improved when using this function.

1 From the **Advanced Video** menu, press ▲ or ▼ to select **MPEG NR** and press **OK**.

2 Then press ▲ or ▼ to select **Off**, **Low**, **Medium,** **Strong**.

Activating the Flesh Tone
Emphasize pink "Flesh Tone."

1 From the **Advanced Video** menu, press ▲ or ▼ to select **Flesh Tone** and press **OK**.

2 Then press ▲ or ▼ to select **Off**, **Low**, **Medium**, **High**.

Activating the Adaptive Luma Control
The screen brightness can be adaptive adjusted with ambient light intensity and on-screen content.

1 From the **Advanced Video** menu, press ▲ or ▼ to select **Adaptive Luma Control** and press **OK**.

2 Then press ▲ or ▼ to select **Off**, **Low**, **Medium**, **Strong**.

Activating Blue Mute
When **Blue Mute** is set to **On**, the screen will turn blue and the sound will be muted when no signal is received.

1 From the **Advanced Video** menu, press ▲ or ▼ to select **Blue Mute** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Using the DI Film Mode
This feature will reduce picture blur without decreasing image brightness or adding flicker.

1 From the **Advanced Video** menu, press ▲ or ▼ to select **DI Film Mode** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **Auto**.

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Activating Blue Stretch

Blue stretch using restricted color range and soft transition boundary.

1 From the **Advanced Video** menu, press ▲ or ▼ to select **Blue Stretch** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Using the Game Mode

When you select Game Mode On, it can make motive picture more fluid in the game.

1 From the **Advanced Video** menu, press ▲ or ▼ to select **Game Mode** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Using the Super Resolution

Improve the resolution of the original image.

1 From the **Advanced Video** menu, press ▲ or ▼ to select **Super Resolution** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Audio adjustment

Adjusting the Balance

Control channel equalization.

1 From the **Audio** menu, press ▲ or ▼ to select the **Balance** and press **OK**.

2 Press ◄ or ► to select the options **(-50~50)**.

Adjusting the Bass

Adjusts the lower frequency of the sound.

1 From the **Audio** menu, press ▲ or ▼ to select the **Bass** and press **OK**.

2 Press ◄ or ► to select the options **(0~100)**.

Adjusting the Treble

Adjusts the higher frequency of the sound.

1 From the **Audio** menu, press ▲ or ▼ to select the **Treble** and press **OK**.

2 Press ◄ or ► to select the options **(0~100)**.

Using the DTS TruSurround

DTS Surround help to create rich and wider sound from stereo sound sources.

1 From the **Audio** menu, press ▲ or ▼ to select **DTS TruSurround** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Adjusting the Equalizer

Adjusts the sound mode.

1 From the **Audio** menu, press ▲ or ▼ to select the **Equalizer** and press **OK**.

2 Press ▲ or ▼ to select **Off**, **Rock**, **Pop**, **Live**, **Dance**, **Techno**, **Classic**, **Soft**.

Using the Speaker

This function is to swtich on or off the TV speaker.

1 From the **Audio** menu, press ▲ or ▼ to select the **Speaker** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

SPDIF Type

You can select the Digital Audio output (SPDIF) format.

1 From the **Audio** menu, press ▲ or ▼ to select the **SPDIF Type** and press **OK**.

2 Press ▲ or ▼ to select **Off**, **Dolby Digital**, **PCM** or **Dolby Digital Plus**.

SPDIF Delay

Select the SPDIF sound output delay.

1 From the **Audio** menu, press ▲ or ▼ to select the **SPDIF Delay** and press **OK**.

2 Press ◄ or ► to select the options **(0~250)**.

Using the Auto Volume Control

Automatically adjust the volume.

1 From the **Audio** menu, press ▲ or ▼ to select the **Auto Volume Control** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Type

Selects the preferred audio type for different purposes.

1 From the **Audio** menu, press ▲ or ▼ to select the **Type** and press **OK**.

2 Press ▲ or ▼ to select **Normal** or **Visually Impaired**.

Visually Impaired

Visually Impaired is an additional narrative sound track for visually impaired individuals to understand and enjoy the story line more fully.

1 From the **Audio** menu, press ▲ or ▼ to select **Visually Impaired** and press **OK**.

Audio
Visually Impaired

Speaker
On

Headphone
On

Volume
20
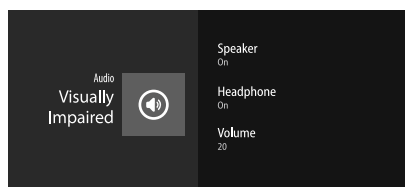
NOTE:

You can display the Visually Impaired menu by selecting Type option to Visually Impaired.

Using the Speaker

1 From the **Visually Impaired** menu, press ▲ or ▼ to select the **Speaker** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Using the Headphone

1 From the **Visually Impaired** menu, press ▲ or ▼ to select the **Headphone** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Using the Volume

1 From the **Visually Impaired** menu, press ▲ or ▼ to select the **Volume** and press **OK**.

2 Press ◄ or ► to select the options **(0~100)**.

TV adjustment

TV menu is only for TV input source.

Tuner Mode

This option is only available in **DTV** source.

1 From the **TV** menu, press ▲ or ▼ to select **Tuner Mode** and press **OK**.

2 Press ▲ or ▼ to select the tune type you want, options are **DVB-T** and **DVB-C** .

5V Antenna Power

This option is only available in **DTV** source for Thailand. Select **On** to supply power for the TV's antenna; Select **Off** to turn off this function.

1 From the **TV** menu, press ▲ or ▼ to select **5V Antenna Power** and press **OK**.

2 Press ▲ or ▼ to select select **On** to supply power for the TV's antenna; Select **Off** to turn off this function.

Audio Language

This option is only available in **DTV** source. This feature allows a program or film to be viewed with a choice of sound track language, provided multiple language tracks are being broadcast.

1 From the **TV** menu, press ▲ or ▼ to select **Audio Language** and press **OK**, then press ▲ or ▼ to select the primary audio language.

Audio Language 2nd

This option is only available in **DTV** source. You can select the secondary audio language.

1 From the **TV** menu, press ▲ or ▼ to select **Audio Language** and press **OK**, then press ▲ or ▼ to select the secondary audio language.
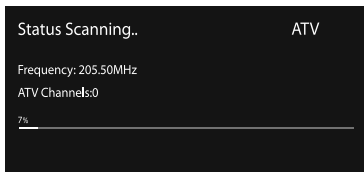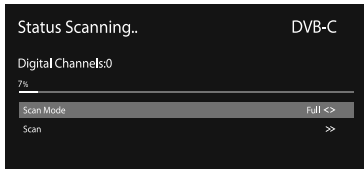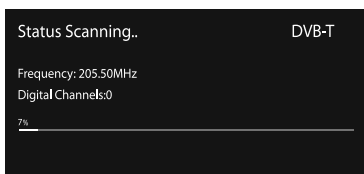
Channels

1 From the **TV** menu, press ▲ or ▼ to select **Channels** and press **OK**.

2 Press ▲ or ▼ to select the menu you want to adjust.

TV
Channels

Channel Scan

Single RF Scan

Channel Skip

Channel Move

Channel Edit

Clear Channel List

21
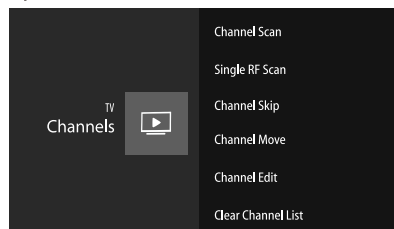
Channel Scan

Select desired TV source from the input list before starting the Channel Scan.

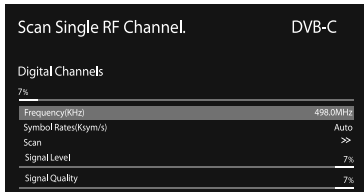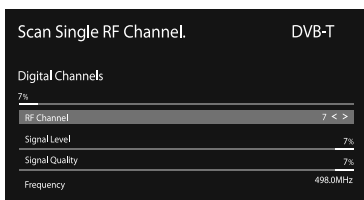**1** From the **Channels** menu, press ▲ or ▼ to select **Channel Scan** and press **OK**.
There will appear a tip: Scan channel will remove previous channels.

```
Status Scanning..                    DVB-T

Frequency: 205.50MHz
Digital Channels:0

7%
```

```
Status Scanning..                    DVB-C

Digital Channels:0

7%

Scan Mode                        Full <>

Scan                                  >>
```

```
Status Scanning..                    ATV

Frequency: 205.50MHz
ATV Channels:0

7%
```

Single RF Scan

This option is only available in **DTV** source.

1 From the **Channels** menu, press ▲ or ▼ to select **Single RF Scan** and press **OK**.
You can select the channel you want by enter the number with remote control.

```
Scan Single RF Channel.              DVB-T

Digital Channels
7%

RF Channel                        7 < >
Signal Level                          7%
Signal Quality                        7%

Frequency                       498.0MHz
```

```
Scan Single RF Channel.              DVB-C

Digital Channels
7%

Frequency(KHz)                   498.0MHz
Symbol Rates(Ksym/s)               Auto
Scan                                  >>
Signal Level                          7%

Signal Quality                        7%
```

Analog Manual Scan

This option is only available in **ATV** source.

1 From the **Channels** menu, press ▲ or ▼ to select **Analog Manual Scan** and press **OK**.
You can select the channel you want by adjusting the channels.

```
Search for analog channels.

ATV Channels:

Start frequency(MHz)                 42.0
Scan Up                               >>
Scan Down                             >>
```
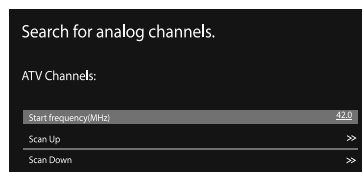
Channel Skip

1 From the **Channels** menu, press ▲ or ▼ to select **Channel Skip** and press **OK**.
It will appear a list of channels, you can select the channels you want to skip.

```
3          Analog            □
7.21       Digital           □
7.22       Digital           □
8          Analog            □
10.41      Analog            □
14         Analog            □
31         Analog            □
34         Analog            □

< last page              next page >
```

Channel Move

1 From the **Channels** menu, press ▲ or ▼ to select **Channel Move** and press **OK**.
It will appear a list of channels, you can select the channels you want to move.

```
3          Analog            □
7.21       Digital           □
7.22       Digital           □
8          Analog            □
10.41      Analog            □
14         Analog            □
31         Analog            □
34         Analog            □

< last page              next page >
```
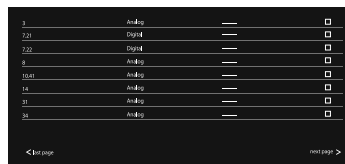
Channel Edit

1 From the **Channels** menu, press ▲ or ▼ to select **Channel Edit** and press **OK**.
From the channel list and select a program and press OK, you can edit the number and name of channel.

```
Channel Number:                  802
Channel Name:               Color Bar
Frequency:                 498.0 MHz
Color System                    Auto
Sound System                     B/G
```

Analog Channel Fine Tune

This option is only available in **ATV** source.

1 From the **Channels** menu, press ▲ or ▼ to select **Analog Channel Fine Tune** and press **OK**.

Clear Channel List

1 From the **Channels** menu, press ▲ or ▼ to select **Clear Channel list** and press **OK**.
It will appear a tips, select **OK** to clear the channel list, select **Cancel** to cancel.

Using the Setup menu

Sticker Demo

When using a TV for displaying in a shop and select the **Store** mode location, then you can select the **Sticker Demo On** to Show the product selling point.

1 From the **Setup** menu, press ▲ or ▼ to select **Sticker Demo** press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Fast Boot

This function can fast boot the TV in Standby mode. When you select **Fast Boot On**, it will consume more energy.

1 From the **Setup** menu, press ▲ or ▼ to select **Fast Boot** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Selecting the Screen Mode

1 From the **Setup** menu, press ▲ or ▼ to select **Screen Mode** and press **OK**.

2 Press ▲ or ▼ to select your preferred mode.
Options are **Auto**, **Normal**, **Letterbox**, **Panorama**, **Zoom**, **Dot by Dot**.

Note:
This function is available when you have scanned channels.
The options may differ from different input source.

Auto Standby

This function can only standby the picture and sound.
You can use any button on the remote control to power on the TV

1 From the **Setup** menu, press ▲ or ▼ to select **Auto Standby** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Time Setup

1 From the **Setup** menu, press ▲ or ▼ to select **Time Setup** and press **OK**.
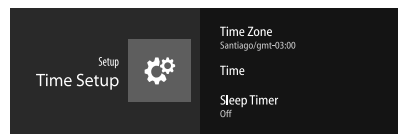
Setting the Time Zone

1 From the **Time Setup** menu, press ▲ or ▼ to select **Time Zone** and press **OK**.

2 Press ▲ or ▼ to set and press **OK** to save.

Setting the Time

1 From the **Time Setup** menu, press ▲ or ▼ to select **Time**.

2 Press ▲ or ▼ to set **Auto Synchronization**, **Date**, **Time**.

Setting the Sleep Timer

The Sleep Timer is especially useful if you want the TV to turn itself off after a selected period of time.

1 From the **Time Setup** menu, press ▲ or ▼ to select **Sleep Timer** and press **OK**.

2 Press ▲ or ▼ to select **Off**, **10 Minutes**, **20 Minutes**, **30 Minutes**, **40 Minutes**, **50 Minutes**,**60 Minutes**, **90 Minutes**, **120 Minutes**.

Subtitle

1 From the **Setup** menu, press ▲ or ▼ to select **Subtitle** and press **OK**.

2 Press ▲ or ▼ to select the function you want to adjust.
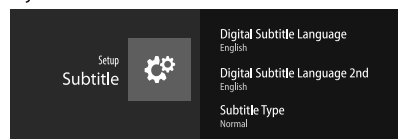
Digital Subtitle Language

In digital mode, this feature will show subtitles on the screen in the selected language provided they are being broadcast.

1 From the **Subtitle** menu, press ▲ or ▼ to select **Digital Subtitle Language** and press **OK**, then press ▲ or ▼ to select the primary subtitle language.

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Digital Subtitle Language 2nd

Select the secondary subtitle language.

1 From the **Subtitle** menu, press ▲ or ▼ to select **Digital Subtitle Language 2nd** and press **OK**, then press ▲ or ▼ to select the secondary subtitle language.
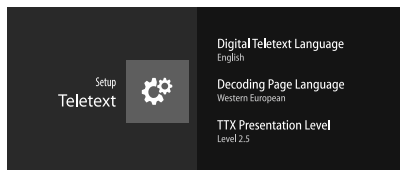
Subtitle Type

Hearing impaired type is applicable to the person who has hearing impairment, they can see text word about the content if it would be included on the digital television signal.

1 From the **Subtitle** menu, press ▲ or ▼ to select **Subtitle Type** and press **OK**.

2 Press ▲ or ▼ to select **Normal** and **Hearing Impaired**.

Teletext

1 From the **Setup** menu, press ▲ or ▼ to select **Teletext** and press **OK**.

2 Press ▲ or ▼ to select the function you want to adjust.

```
                              Digital Teletext Language
                              English
              Setup           Decoding Page Language
              Teletext        Western European
                              TTX Presentation Level
                              Level 2.5
```

Digital Teletext Language

1 From the **Teletext** menu, press ▲ or ▼ to select **Digital Teletext Language** and press **OK**, then press ▲ or ▼ to select the teletext language.

Decoding Page Language

1 From the **Teletext** menu, press ▲ or ▼ to select **Decoding Page Language** and press **OK**, then press ▲ or ▼ to select the page language.

TTX Presentation Level

1 From the **Teletext** menu, press ▲ or ▼ to select **TTX Presentation Level** and press **OK**.

2 Press ▲ or ▼ to select **Level 1.5** or **Level 2.5**.

Network

1 From the **Setup** menu, press ▲ or ▼ to select **Network** and press **OK**.

```
                              WOL
                              Off
              Setup           Netflix ENC
              Network         WOW
                              On
```
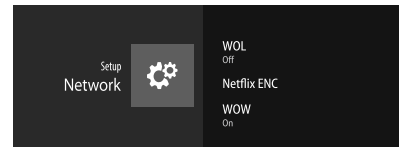
WOL

1 From the **Network** menu, press ▲ or ▼ to select **WOL** and press ▲ or ▼ to select **Off** or **On**.

Note:

. *Turns on the TV set from standby by wired network connection. By default, WOL is turned off. If you turn on WOL function, it will consume more energy.*

. *The WOL can support the mobile device which installed the APP with cast function. The TV set and mobile device should be connected in the same network .*

Netflix ESN

1 From the **Network** menu, press ▲ or ▼ to select **Netfilx ESN**.

WOW

1 From the **Network** menu, press ▲ or ▼ to select **WOW** and press ▲ or ▼ to select **Off** or **On**.

Note:

. *Turns on the TV set from standby by wireless network connection. By default, WOW is turned off. If you turn on WOW function, it will consume more energy.*

. *The WOW can support the mobile device which installed the APP with cast function. The TV set and mobile device should be connected in the same network .*

OAD

1 From the **Setup** menu, press ▲ or ▼ to select **OAD** and press **OK** to select **Auto Download** and set **No** or **Yes**.

HDMI 2.0 Setting

Selects the HDMI signal format.

1 From the **Setup** menu, press ▲ or ▼ to select **HDMI 2.0 Setting** and press **OK** to see the **Signal Format**.

Postal Code

This function is for Indonesia. Inform people of early warning information, especially about natural disaster. Press number button and then set up the "**Postal Code**", when finished, once receiving safety warning information, the TV will sound the alarm according to the warning class.

For the lowest class, you can exit the message by pressing **MENU** button; for higher classes, you can't exit the message and also it's no use for any buttons.

DisClaimer
Declaration to disclaim any responsibility or liability arising from user's failure in operating the TV on network, USB and so on.

1 From the **Setup** menu, press ▲ or ▼ to select **DisClaimer** and press **OK** to see the disclaimer.

Signal Information
This option is only available in **DTV** source.
This feature is available for displaying the on-screen information.

1 From the **Setup** menu, press ▲ or ▼ to select **Signal Information** and press **OK** to see the signal information.

Restore Default
Reset TV will reset all TV settings, including stored channels to their original factory values.

1 From the **Setup** menu, press ▲ or ▼ to select **Restore Default**.

2 Press **OK** to select.
The screen will appear a warning that all settings will be lost. Select **OK** to continue, select **Cancel** to cancel.

Standby Auto Tuning
This function is for Malaysia, when you select **Standby Auto Tuning On**, It will start to search the available channels automatically when the TV at standby mode.

1 From the **Setup** menu, press ▲ or ▼ to select **Standby Auto Tuning** and press **OK**.

2 Press ▲ or ▼ to select **Off** or **On**.

Using the Parental menu

Parental
1 From the **Parental** menu and press **OK.**

2 Press ▲ or ▼ to select the function you want to set. Password is required to view blocked submenus.

Channel Block
1 From the **Parental** menu, press ▲ or ▼ to select **Channel Block** and press **OK.**

2 Press ▲ or ▼ to select the channel you want to block and set **Off** or **Block**.

Program Block
1 From the **Parental** menu, press ▲ or ▼ to select **Program Block** and press **OK.**

2 Press ▲ or ▼ to select **Rating Enable** or **Age Rating** and press **OK**.

3 When you select **Rating Enable**, you can press ▲ or ▼ to select **Off** and **On**.

4 When you select **Age Rating**, you can press ▲ or ▼ to select **None**, **4~18**.

Note:
The Age Rating options may differ from different country.

Input Block
1 From the **Parental** menu, press ▲ or ▼ to select **Input Block** and press **OK.**

2 Press ▲ or ▼ to select the input source you want to block.

Change Password
1 From the **Parental** menu, press ▲ or ▼ to select **Change Password** and press **OK.**

2 Using the number buttons enter a four digit number.
Enter same number again as confirmation.
If the Password has been set, when **Parental** are executed, entering the PIN will be necessary.
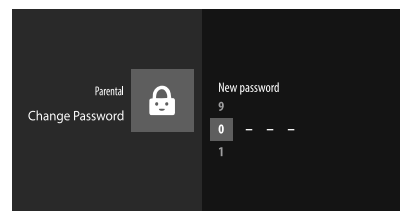
Clean All
1 From the **Parental** menu, press ▲ or ▼ to select **Clean All** and press **OK.**

2 Press **OK** to clear the settings you set.

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Back connections

Connection example

TV back view

DVD video player

or

Set Top Box

or

VCR (Normal)

Audio system
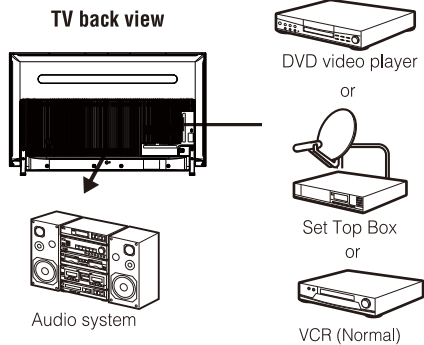
- Before connecting any external equipment, turn off all main power switches.
- The unauthorized recording of TV programs, DVDs, video tapes and other materials may infringe upon the provisions of copyright law.
- Additional equipment and cables shown are not supplied with this TV.
- (Sample for 49U775*)

Connecting an audio system

You can enjoy high quality dynamic sound by connecting the TV to an audio system.

NOTE:
- *Refer to the owner's manual of the connected equipment as well.*
- *When you connect the TV to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.*
- *The output sound of the TV has a wide dynamic range. Be sure to adjust the audio amplifier's volume to a moderate listening level before turning on the power. Otherwise, the speakers and your hearing may be damaged by sudden high volume audio.*
- *Turn off the amplifier before you connect or disconnect the TV's power cord. If you leave the amplifier power on, the speakers may be damaged.*

Connecting HDMI or DVI devices

- When turning on your electronic components, turn on the TV first, and then the HDMI and DVI device.
- When turning off your electronic components, turn off the HDMI and DVI device first, and then the TV.

- This TV may not be compatible with features and/or specifications that may be added in the future.
- This TV is only operable with L-PCM and Dolby Digital on 32/44.1/48 kHz.
- This TV is able to connect with HDMI devices. But it is possible that some HDMI devices may not operate properly with this TV.

Connecting HDMI or DVI devices

The HDMI input on your TV receives digital audio and uncompressed digital video from a HDMI and uncompressed digital video from a DVI device. This input is designed to accept HDCP program material in digital from CEA-861-D compliant consumer electronic devices (such as a set top box and DVD player with HDMI and DVI output).
The HDMI input is designed for best performance with 480i /480p/720p/1080i/1080p(60Hz) (Video Format).
highdefinition video signals, but will also accept and display 576i /576p/720p/1080i (50Hz) (Video Format), 1080P 24Hz/25Hz/30Hz/50Hz/60Hz (Video Format), 3840X2160 24Hz/30Hz/50Hz/60Hz (Video Format).
- HDMI: High-Definition Multimedia Interface
- HDCP: High-bandwidth Digital Content Protection
- CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the TV.
- Acceptable PC signal format:
   VGA (640 x 480) 60 Hz
   S-VGA (800 x 600) 60 Hz
   XGA (1024 x 768) 60 Hz
   W-XGA (1280 x 768) 60 Hz
   W-XGA (1280 x 800) 60 Hz
   W-XGA (1360 x 768) 60 Hz
   W-XGA+ (1440 x 900) 60 Hz
   S-XGA (1280 x 1024) 60 Hz
However, these signal formats are converted to match the number of pixels of the LCD panel. Therefore, the TV may not display small text properly.
If you connect this unit to your PC, the compressed image is displayed in S-XGA mode, therefore the picture quality may deteriorate and characters may not be read.
- L-PCM: Linear-Pulse Code Modulation
- Supported Audio format: L-PCM, Dolby Digital sample rate 32/44.1/48 kHz

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Connecting a HDMI device

One HDMI cable (type A connector)

For proper operation, it is recommended that you use a short HDMI cable.
HDMI cable transfers both video and audio.

Left side view

TV back view

device

VIDEO   AUDIO   HDMI OUT

or

Computer
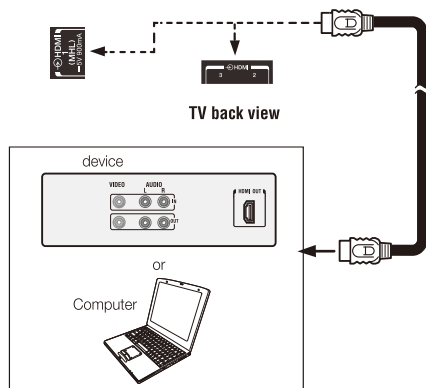
Connecting a DVI device

One HDMI (type A connector)-to-DVI adapter cable and audio cables.

HDMI (type A connector)-to-DVI adapter cable

For proper operation, the length of an HDMI-to-DVI adapter cable should not exceed 3 m. The recommended length is 2 m.
• Audio from DVI devices can be heard if audio cable is connected to audio (red/white) terminal of AV input.

Left side view

TV back view

HDMI device

VIDEO   AUDIO   DVI OUT

or

Computer
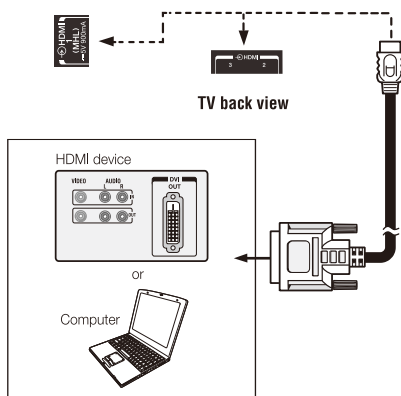
Electronic Program Guide (EPG)

1 Press the **GUIDE** button to bring up the EPG interface. The second bar from the top will display the current date and selected channel. On the list below, the channel you are currently watching will be highlighted.
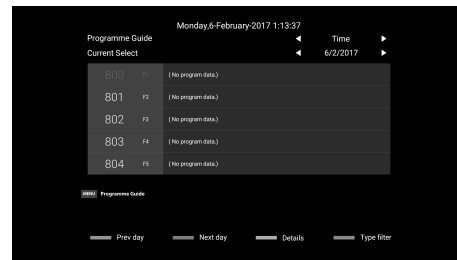
2 Before you can view any EPG information, you have to activate every channel for which you want to view program information.

3 You can press ◀ or ▶ to select **Time** and **Channel** mode. Or press **MENU** button to select Programme Guide section.

4 When you select **Channel** mode, go to the second bar and use ◀ or ▶ to select the channel for which you want to view information. After a brief moment, the program schedule will appear.

5 When you select Time mode, go to the second bar and use ◀ or ▶ to select the day you want to view.

6 Press **BACK/EXIT** button to exit the EPG menu.

Channel List

1 Press the **LIST** button to bring up the channel list interface.

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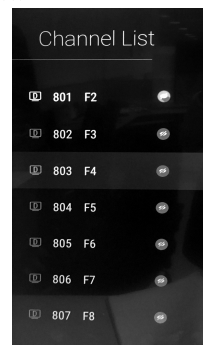
Displaying the home screen

This section describes the basic operations on the home screen.
• The home screen appears when you press ⌂ button from the remote control.
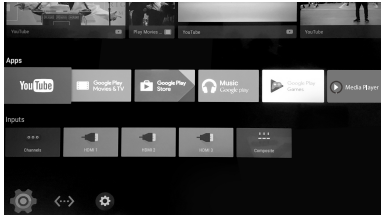
1 From the **HOME** screen, press ▲ , ▼ , ◄ , ► , to select the function you want and press **OK** to access.
From the first column, you can learn how to Cast from the recommend video. You can also press ◄ or ► to select the video you want.

Using the Apps

NOTE:
• The Apps order may change according to the use record.

YouTube

You can click to access **YouTube** and play the video on the application.

NETFLIX

You can click to open the NETFLIX interface.

Google Play

You can select the **Google Play Movies & TV**, **Google Play Store**, **Google Play Music**, **Google Play Games** and click to enter and play.
You can download the APP you want from **Google Play Store**.

Media Player

If you select **Media Player** and then press **OK**, the top screen of Media Player is displayed.
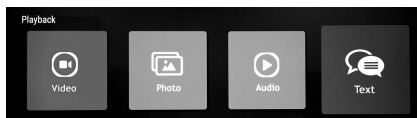

• **Video Control Menu**
Press ▲ or ▼ to select Video icon to enter and press ▲ , ▼ , ◄ , ► button to select the desired file in the file list and press OK to playback Video and press Menu to open the control menu as below:

Item	Description
Play/Pause	Play or pause the video
Repeat	None/Repeat One/Repeat All
Show Info	Show the information of the video
Picture Mode	User/Cinema/Sport/Vivid/Hi-Bright
Screen Mode	Auto/Normal/Scan/Dot by Dot
Picture Setting	Access to Menu Video
Audio Setting	Access to Menu Audio
Last Memory	Off / Time / Position
Subtitle Encoding	AUTO/UTF8/UTF16/BIG5/GB/GB18030/K018_R/ASCI

• **Photo Control Menu**
Press ▲ or ▼ to select Photo icon to enter and press ▲ , ▼ , ◄ , ► button to select the desired file in the file list and press OK to playback Photo and press Menu to open the control menu as below:

Item	Description
Play/Pause	Play or pause the photo
Repeat	None/Repeat One/Repeat All
Shuffle	Shuffle Off/Shuffle On
Duration(For Play)	Short/Medium/Long
Effect(For Play)	None/Dissolve/Wipe right/Wipe left/Wipe up/Wipe down/Box-in/Box-out/Random
Rotate(For Pause)	Rotate the picture
Show Info	Show the information of the photo

• **Audio Control Menu**
Press ▲ or ▼ to select Audio icon to enter and press ▲ , ▼ , ◄ , ► button to select the desired file in the file list and press OK to playback Music and press Menu to open the control menu as below:

Item	Description
Play/Pause	Play or pause the audio
Repeat	None/Repeat One/Repeat All
Shuffle	Shuffle Off/Shuffle On
Show Info	Show the information of the audio
Lyric Options	You can set the Lyric options
Audio Settig	Access to Menu Audio

• **Text Control Menu**
Press ▲ or ▼ to select Text icon to enter and press ▲ , ▼ , ◄ , ► button to select the desired file in the file list and press OK to playback Text and press Menu to open the control menu as below:

Item	Description
Font	Size/Style/Color
Show Info	Show the information of the text

• **Setting**

Press ▲ or ▼ to select Setting and press OK to access the network interface.

| MMP Settings
Menu | ▶ | Network |

Selecting the input source

You can press ◄ or ► to select the input source you want.

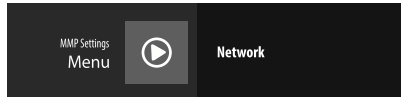If you want to back to channels, you can select the channels input source.

| Inputs |
| Channels | HDMI 1 | HDMI 2 | HDMI 3 | Composite |

Settings

Device

You can use the device shortcut functions.

• **Network:** You can select the network connections.

• **Inputs:** You can select the input source.

• **Google Cast:** This function can easily cast your contents from your mobile device to your TV. You can use your mobile phone with Google Home APP or your computer with Google Chrome browser to cast contents to your TV.

·Make your device in the same network. (Need your device to download the Google Home APP or Google Chrome browser.)

·Select the ⬚ icon on your device and click it, it will display a device list, check if your TV set is in this list and then connect them.

·When you play a video in your device, the TV will be synchronized to play the same video and your mobile device can do other operations separately.

·When your TV is standby, you can click your TV set in your device, the TV will from standby to turn on and play the last played video. (The Fast Boot should set On.)

·If you want to stop the Google Cast, you can click the ⬚ icon in your device and stop cast.

NOTE:

Not all devices are supported.

Some third-party APPs probably cannot be perfectly cast if they are not installed on TV.

• **System Sounds**: You can set the system sound.

• **Apps**: Display the apps installed on your Android TV.

• **Daydream**: Set the screen protection setting, when to daydream, and when to sleep.

NOTE:

For a period of time with no operation, it will enter the screen protection interface

• **Storage & reset**: You can check your device storage, storage distribution and do factory data reset.

• **About**: Show some detailed information of the TV set such as Legal information, Serial number and so on.

You can also select "System Update" to download and update the Android system of TV.

| Android system update | Download |
| Android TV globe_ap OTA update test |
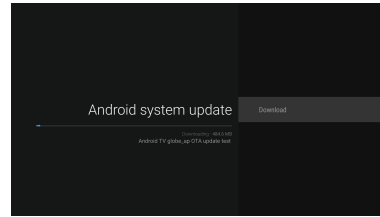
Preference

You can do some personal settings such as Date&Time, Language, Keyboard, Home screen, Speech, Accessibility, Search.

Note:

In If you want to turn on/turn off the Talkback function, Accessibility settings, please also turn on/turn off the Talkback Assistant function together with it.

Remote & accessories

• **TV BLE Remote:** You can relieve you Bluetooth remote and the TV device by this function.

• *This function may appear when you have connected the Bluetooth Remote.*

• **Add accessory:** Use the BLE remote and press the "HOME" button and "left" button 3s, it will appear the remote model at screen and select this function to do pairing. You can see the detail on page 12.

Personal

You can set some personal information like Location, Security&Restrictions, or Add account.

Network Settings

You can set your network in Home screen.

Live TV Settings

You can access the **Live TV Settings** menu from Home screen.

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Using MHL Function

- Interoperability with MHL devices of other manufacturers is not guaranteed.
- Toshiba does not provide any guarantee, therefore, against operational failure such as that described below when a MHL source is connected to the TV.
  -No picture or sound.
  -Some of the functions do not work be remote operation from the TV.
- If the MHL does not work properly, also contact the manufacturer of the source device for advice on its use.
- Do not disconnect the power plug when the TV is active and the MHL device is being connected.
- Do not disconnect the power plug when the TV is in standby mode and the MHL device is being connected.

Using MHL Function

You can use the following function by connecting between the TV HDMI1/MHL port and micro USB port of mobile phones etc. with a MHL cable.
- Charge with mobile phone from TV
- Video/Audio output from mobile phone
- Access mobile content through TV remote controller
- Supports transfer of HD video resolution up to 1080p
- MHL functions may not perform properly as some mobile devices may not incorporate the full MHL functionality

NOTE:
These functions may not be available depending on the connected equipment.

Connecting an MHL-compatible Device

Connect the device to the HDMI1/MHL port on the TV using a MHL cable (not supplied).

MHL cable (not supplied)

micro USB
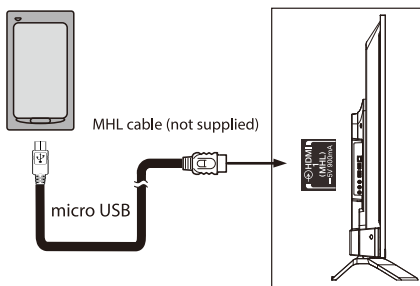
When you connect a MHL-compatible device to the HDMI1/MHL port on the TV with the MHL cable, charging starts automatically.
NOTE:
Do not connect a MHL-compatible device to any port other than the HDMI1/MHL port.

Operating a MHL-compatible Device

MHL is a new mobile audio video interface standard for direct connection with MHL enabled mobile devices to MHL enabled TVs, providing instant access to a wealth of mobile content with ease of control through the TV remote controller.

Item	Description
EXIT	Exit
▲	Up
▼	Down
◄	Left
►	Right
OK	Select
MENU	Root MENU
0~9	NUMBER BUTTON
■	To STOP
►/❚❚	PLAY / PAUSE
►►❙	To NEXT
❙◄◄	To PREVIOUS
►►	To FAST FORWARD
◄◄	To FAST BACKWARD

NOTE:
You can see the buttons of remote control on page11.

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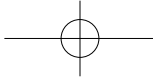
APPENDIX

Media Player Supported Formats
Video:

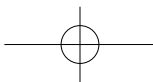| Video Codec(file type)	File Extension Name	Sampling rate SPEC	Bit Rate	Profile
MPEG1	AVI (.avi) ASF/WMV(.wmv .asf .asx) MP4 (.mp4 .m4v .mov .3gp) OGM (.ogm) MKV (.mkv .mks) MPEG program stream (.DAT, .VOB, .MPG, .MPEG) TS (.ts .m2ts .tts .mpg)	720*576 @ 30fps	80Mbps	
MPEG2	AVI (.avi) ASF/WMV (.wmv .asf .asx) MP4 (.mp4 .m4v .mov .3gp) OGM (.ogm) MKV (.mkv .mks) MPEG program stream (.DAT, .VOB, .MPG, .MPEG) TS (.ts .m2ts .tts .mpg)	1920*1080 @ 60fps	80Mbps	. Simple Profile Main Profile
MPEG4	AVI (.avi) ASF/WMV(.wmv .asf .asx) MKV (.mkv .mks)	1920*1080 @ 60fps	80Mbps	ASP L5
H.263	ASF/WMV(.wmv .asf .asx) MP4 (.mp4 .m4v .mov .3gp)	1920*1080 @60fps	80Mbps	
H.264	AVI (.avi) ASF/WMV(.wmv .asf .asx) TS (.ts .m2ts .tts .mpg) FLV (.flv) Video ES(.m1v .m2v .m4v .264 .vc1)	3840x2304 @ 30fps 3840x2304 @ 60fps 1920*1080 @60fps	80Mbps	. Main Profile . High Profile L5.1 L5.2 L4.2
H265	AVI (.avi) MP4 (.mp4 .m4v .mov .3gp) MKV (.mkv .mks) TS (.ts .m2ts .tts .mpg) Video ES(.m1v .m2v .m4v .264 .vc1 .265)	1920*1080 @60fps 3840x2304 @ 30fps 3840x2304 @ 60fps	80Mbps	. Main Profile L4.1 L5.0 L5.1
MVC	TS (.ts .m2ts .tts .mpg)	1920*1080 @60fps	80Mbps	L4.1
WMV	ASF/WMV(.wmv .asf .asx)	1920*1080 @60fps	80Mbps	. Simple Profile . Main Profile
VC1	TS (.ts .m2ts .tts .mpg) Video ES(.m1v .m2v .m4v .264 .vc1)	1920*1080@60fps	80Mbps	. Advanced Profile @Level 3
VP9	MKV (.mkv .mks)	1920*1080 @60fps 3840x2304 @ 30fps 3840x2304 @ 60fps	60Mbps	

Some files may not be played

Media Player Supported Formats
Audio:

Audio Codec(file type)	File Extension Name
MPEG1/2	MP4 (.mp4 .m4v .mov .3gp) MKV (.mkv .mks) MPEG program stream (.DAT, .VOB, .MPG, .MPEG) FLV (.flv)
MPEG4	ASF/WMV(.wmv .asf .asx) MPEG program stream (.DAT, .VOB, .MPG, .MPEG) FLV (.flv)
AC3	ASF/WMV(.wmv .asf .asx) MKV (.mkv .mks) MPEG program stream (.DAT, .VOB, .MPG, .MPEG) Audio ES(.amr .ape .ac3 .ec3 .mp2 .mp3 .wav .flac .ogg)
EAC3	MKV (.mkv .mks) MPEG program stream (.DAT, .VOB, .MPG, .MPEG) Audio ES(.amr .ape .ac3 .ec3 .mp2 .mp3 .wav .flac .ogg)
AAC	AVI (.avi) ASF/WMV(.wmv .asf .asx) OGM (.ogm) MPEG program stream (.DAT, .VOB, .MPG, .MPEG)
WMA	AVI (.avi) ASF/WMV(.wmv .asf .asx) OGM (.ogm)
FLAC	Audio ES(.amr .ape .ac3 .ec3 .mp2 .mp3 .wav .flac .ogg)

Some files may not be played

Media Player Supported Formats
Photo:

Container	File Extension Name	Photo	Resolution	Remark
JPEG	.jpeg	Base-line	17000x10000	
		Progressive	4000x4000	
GIF	.gif	static		No-limitation(depend on dram size)
		animation		No-limitation(depend on dram size)
PNG	.png			No-limitation(depend on dram size)
BMP	.bmp		16383x16383	

Some files may not be played

Troubleshooting

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

Symptom and solution

TV will not turn on
- Make sure the power cord is plugged in, and then press ⏻.
- The remote control batteries may be dead. Replace the batteries.

No picture, no sound
- Check the aerial connections.

No sound, picture OK
- The sound may be muted. Press VOL +, − or ⌧.
- The station may have broadcast difficulties. Try another channel.
- If the problem happens when DVD is connected to HDMI 1 or HDMI 2 terminal, please change the setting of " Signal Format" to be "4K@60Hz 4:2:0"(MENU->SETUP-> HDMI 2.0 Setting->Signal Format), or directly switch to connect DVD with HDMI 3 terminal .

Poor sound, picture OK
- The station may have broadcast difficulties. Try another channel.

Poor picture, sound OK
- Check the aerial connections.
- The station may have broadcast difficulties. Try another channel.
- Adjust the **PICTURE** menu.

Poor reception of broadcast channels
- Check the aerial connections.
- The station may have broadcast difficulties. Try another channel.
- Make sure the **Color System** is properly set.

Teletext problems
- Check the aerial connections.
- Good performance of text depends on a good strong broadcast signal.

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.

The picture brightness varies when you display switch the TV on.
- If you switch the TV on at 0°C and under, wait until the warms up.

Multiple images
- The station may have broadcast difficulties. Try another channel.
- Aerial reception may be poor. Use a high directional outdoor aerial.
- Check if the direction of the aerial has changed.

Poor color or no color
- The station may have broadcast difficulties. Try another channel.
- Adjust the **Tint** and/or **Color** in the **PICTURE** menu.

The remote control does not operate
- Remove all obstructions between the remote control and the remote control sensor on the TV.
  The remote control batteries may be dead. Replace the batteries.

Broadcast system

Broadcast transmission systems of each country or region

Asia M.E.

Country or region	Color	Sound
Bahrain, Kuwait, Israel, Oman, Qatar, United Arab Emirates, Yemen. Indonesia, Malaysia, Singapore, Thailand, etc.	PAL	B/G
China, Vietnam	PAL	D/K
China Hong Kong	PAL	I
Iraq, Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	SECAM	B/G
Russian Federation, etc.	SECAM	D/K
Myanmar, Republic of the Philippines, etc.	NTSC	M

Oceania

Country or region	Color	Sound
Australia, New Zealand, etc.	PAL	B/G

Africa

Country or region	Color	Sound
Republic of South Africa, etc.	PAL	I

South America

Country or region	Color	Sound
Brazil	PAL	M
Chile, Colombia, etc.	NTSC	M

NOTE:
PAL, SECAM and NTSC 3.58 (MHz) are different color signal broadcast transmission systems applicable to different countries or region. NTSC 4.43 (MHz) is used in special VCRs to playback NTSC recorded video tapes through PAL TV equipment.

Specifications

Power source
100V-240V AC, 50/60Hz

Power consumption
43": 100 W, <0.5W(standby)
49": 120 W, <0.5W(standby)
55": 160 W, <0.5W(standby)

Dimensions (With stand)
43" :966 mm (W) 608 mm (H) 196 mm (D)
49" :1099 mm (W) 685 mm (H) 211 mm (D)
55" :1236 mm (W) 762 mm (H) 211 mm (D)

Dimensions (Without stand)
43" :996 mm (W) 584 mm (H) 74 mm (D)
49" :1099 mm (W) 660 mm (H) 77 mm (D)
55" :1236 mm (W) 738 mm (H) 79 mm (D)

Net Weight (With stand)
43" : 10.1 kg
49" :13.1 kg
55" :16.4 kg

Net Weight (Without stand)
43" : 9.5 kg
49" :12.2 kg
55" :15.5 kg

TV system (Aerial input)
Analog broadcast systems
Channel coverage:

PAL	B/G	(CCIR)	VHF	2 - 12
			UHF	21 - 69
			CATV	X - Z+2, S1 - S41
PAL	I	(UK)	VHF	-
			UHF	21 - 69
			CATV	-
PAL	D/K	(CHINA)	VHF	1 - 12
			UHF	13 - 57
			CATV	Z1 - Z38
SECAM	B/G	(CCIR)	VHF	2 - 12
			UHF	21 - 69
			CATV	X - Z+2, S1 - S41
SECAM	D/K	(OIRT)	VHF	1 - 12
			UHF	21 - 69
			CATV	X1 - X19
NTSC	M	(US)	VHF	2 - 13
			UHF	14 - 79
			CATV	A6 - A1, A - W, AA - ZZ, AAA, BBB

Digital broadcast system
DVB-T and DVB-C Broadcast systems

Standard VIDEO INPUT terminals (Color System)
PAL, SECAM, NTSC 3.58/4.43

Aspect ratio
16:9

Visible size (diagonal)

43" : 108cm
49" : 123cm
55" : 139cm

Number of pixels

43", 49", 55": 3840(H) dots ×2160(V) dots

Audio power

10W + 10W

Speakers

43",49", 55": 227.2 × 32 × 41 mm 2pcs. (Main)
43",49", 55": 47.5 × 17.2 × 16 mm 2pcs. (Tweeter)

Input/Output terminals

DIGITAL AUDIO	Output	SPDIF (Optical)
HDMI1-3	Input (type A) 19 pin HDMI (Lip Sync)	A/V Digital
CONPOSITE IN	Input (Video and Audio L/R) Phono jacks	
Headphone /Lineout	Output 3.5 mm (Diameter) stereo	
CHANNELS IN	Antenna	IEC type
LAN port	RJ-45	
USB port USB 1 USB 2	Media Player Interface version: USB 3.0 USB 2.0 USB class: Mass Storage File system: FAT32	
SVC PORT	For only service	

Operating condition
Temperature   0°C - 35°C
Humidity   20% - 80% (No moisture
                condensation)

Supplied accessories

Owner's manual (1), Remote control (1),
Bluetooth Remote Control (1), Batteries (4),
AC power cable (1), Audio out cable (1),
Composite convert cable (1), Pedestal stand (2),
Screws (43", 49": M4X12 4 PCS; 55": M4X10 4 PCS).

Design and specifications are subject to change
without notice.
Never service or remodel the TV by yourself. It
may expose you to a fire hazard or dangerous
voltages.

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