This product is qualified for BEE Star rating by default.

The Objectives of Star Labeling Program is designed to promote energy efficient products and practices.

When the television is initially set up, it is designed to meet the BEE Star Labeling requirements while maintaining optimum picture quality.

- Changes to certain functionalities of this television (TV Guide, Picture/sound etc.) may change the power consumption.
- Depending upon such changed setting (e.g. Shop mode), the power consumption may vary which possibly could exceed the stated energy consumption.

To reset the television to Star rating qualified settings, press \( \equiv \) to display the main menu. Choose **Settings > Support > Reset shop** and press **OK**.
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Chapter 1

Precautions

Read all of the instructions before operating the set. Keep these instructions well for future use.

Warning

Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

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

If your existing television set is being retained and relocated, the same considerations as above should be applied.

Product

- Do not block or cover the ventilation openings on the back cover.
- Do not push objects of any kind into this unit through the cabinet slots as they could touch the current carrying parts or short-circuit parts, resulting in fire, electric shock, or damage to the unit.
- Do not attempt to open the cabinet as this may cause damage. There are no parts inside you can service by yourself. Refer all servicing to qualified personnel.
- Do not touch the screen surface with fingers as this may scratch or mar the TV screen.
- Do not impact the TV screen with hard pressure as this may damage the TV screen severely.

Power and Plug

- Unplug the set under the following conditions:
  - If the set will not be used for a long period of time.
  - If the power cord or the power outlet/plug is damaged.
  - Follow the instructions to install and adjust the product. Adjust those controls that are covered in these operating instructions as improper adjustment of other controls may result in damage. If this happens, unplug the set and refer to the service personnel.
  - If the set is subject to impact or has been dropped and the cabinet has been damaged.

- Where the mains plug or an appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.

("Where an all-pole mains switch is used as the disconnect device, the switch shall remain readily operable.)

Power Cord and Signal Cable

- Do not allow anything to rest on or roll over the power cord and the signal cable.
- Protect the power cord and the signal cable from being trampled.
- Do not overload the power cord or the power outlet.
- Do not expose the power cord and the signal cable to moisture.

Use Environment

- Do not place the set on an unstable cart, stand, or table.
- Place the set on a place that allows good ventilation.
- Do not use the set near damp, and cold areas.
- Do not expose the set to excessive heat such as direct sunlight, fire, or the like and no naked flame sources, such as lighted candles, should be placed on the apparatus.
- Do not expose the set to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Do not use the set in dusty environments.

- Operating Temperature: 5°C to 35°C (41°F to 95°F)
- Operating Humidity: 20% to 80%, non-condensing
- Storage Temperature: -15°C to 45°C (5°F to 113°F)
- Storage Humidity: 10% to 90%, non-condensing

Cleaning

- Dust the set by wiping the screen and the cabinet with a soft, clean cloth or some special liquid cleaner.
- Do not apply excessive force to the screen when cleaning.
- Do not use water or other chemical cleaner to clean the screen as this may damage the surface of the TV screen.

Hanging the TV Set on the Wall

Warning: This operation requires two people.

To ensure a safe installation, observe the following safety notes:

- Check that the wall can support the weight of the TV set and wall mount assembly.
- Follow the mounting instructions provided with the wall mount.
- The TV set must be installed on a vertical wall.
- Make sure to use only screws suitable for the material of the wall.
- Make sure that the TV set cables are placed so that there is no danger of tripping over them.

All other safety instructions about our TV sets are also applicable here. (Note: Certain TV model is not designed to be mounted to the wall.)
Sockets

**Note:** The location and names of the sockets on the TV may vary according to TV model, and not all sockets available on all models.

**LAN**
This socket can be used to connect to external modem or network access equipment.

**SPDIF socket (output)**
This socket can be used to connect a compatible digital audio receiver.

**HDMI or HDMI(ARC) socket (input)**
The HDMI (High-Definition Multimedia Interface) socket can be used to connect a Blu-ray player, PC with a compatible video card installed, certain DVD players or a high-definition compatible digital satellite decoder. This socket provides an uncompressed digital connection that carries both video and audio data by way of an integrated mini-plug cable.

**USB2.0 or USB 2.0/SERVICE socket (input)**
These sockets can be used to connect a USB device.  
*Note: The number of USB sockets on the TV may vary according to TV model.*

**ANTENNA/CABLE IN socket (input)**
This socket can be used to connect the outside aerial or cable network.

**AV IN adapter socket**
The AV IN adapter socket can be used to connect the attached AV adapter cable with VIDEO and AUDIO L & R IN sockets. The AV IN sockets can be used to connect a range of equipment, including video recorders, camcorders, decoders, satellite receivers, DVD players, or games consoles. The VIDEO IN socket provides composite video connection.

**Headphone socket (output)**
This socket can be used to connect headphones or stereo earphones.
*Warning: Excessive sound pressure from earphones and earphones and headphones can cause hearing loss.*
Remote Control Functions

Most of your television's functions are available via the menus that appear on the screen. The remote control(s) supplied with your set can be used to navigate through the menus and to configure all the general settings.

Note: Figures and illustrations in this operation manual are provided for reference only and may differ from actual product appearance. Certain function may not be available for some models, e.g. GUIDE/SUBTITLE/REC functions are only available under DTV source. And DTV is not available for certain model.

![Remote Control Diagram]

**To switch the sound off and back on.**

**Standby / quit standby.**

**Numeric buttons**
To enter channel numbers or a digit.

**PRE-CH**
To return to the previous channel in TV mode.

**LIST**
To display the channel list.

**↑/↓**
To control the volume.

**To display program information, if available.**

**To display the Settings menu.**

**P**
To change channels.

**To access or exit TV homepage.**

**To display the Option menu.**

**▲/▼/◄/►**
Navigation direction buttons.

**OK**
To confirm an entry or selection.

**To return to the previous menu or quit an App.**

**To select input source.**

**EXIT**
To exit the Settings menu.

**LANG**
To select a subtitle language available for selected digital TV program.

**GUIDE**
To toggle the Electronic Program Guide on or off (only available for digital channels).

**TEXT**
To toggle Teletext on or off.

**SUBT.**
To select a subtitle language available for selected digital TV program.

**Colour buttons**
To select tasks or Teletext pages.

**To start fast reverse.**

**To pause playback.**

**To start fast forward.**

**REC**
To record programs under DTV source.

**To start playback.**

**To stop playback.**

**NETFLIX**
To access Netflix. (Not available for some models.)

---

**Installing Batteries**

1. Push to open the back cover as illustrated.
2. Insert two AAA batteries according to the polarities marked on the battery case.
3. Replace the back cover as illustrated.
Switching on

Follow the instructions on this page on how to switch on your TV set and the remote control before going on to following pages describing how to use the channel set-up procedure.

1. Insert two AAA batteries in the remote control.
   Precautions on using batteries:
   - Only use the battery types specified.
   - Make sure you use the correct polarity.
   - Do not mix new and used batteries.
   - Do not use rechargeable batteries.
   - Do not expose batteries to excessive heat such as sunshine, fire or the like, throw them in a fire, recharge them or try to open them, as this could cause them to leak or explode.
   - Remove the batteries from the remote control if you are not using it for a long period of time.
   - Attention should be drawn to the environmental aspects of battery disposal.

2. Connect the power cable FIRST to the television, THEN to a mains socket. (Note: If the power cable is connected to the television, please only connect the power cable to the mains socket.)
   Your TV set should only be connected to an AC supply. It must not be connected to a DC supply. If the plug is detached from the cable, do not, under any circumstances, connect it to a mains socket, as there is a risk of electric shock.
   Note: The figures are for representation only, the location of power socket of the television may differ depending on the model.

3. Connect an outside aerial to the ANTENNA IN socket at the back of the TV set.
   The aerial socket (75 OHM - VHF / UHF / cable) can be used for connecting an external aerial or other equipment fitted.
   Note: If you want to receive the signal from your cable or cable box, please connect a coaxial cable to the CABLE IN socket at the back of the TV set.

4. When powered on, the TV will be turned on directly or be in standby mode.
   If the power indicator lights up, the TV set is in standby mode. Press the button on the remote control or on the TV set to turn on the TV.

Switching off

• To put the TV set into standby mode, press the button on the remote control. The TV set remains powered up, but with low energy consumption.

• To switch off the TV set, unplug the mains socket from the mains outlet.
Network Connection

Your TV will require an internet connection to operate all functions. Data usage charges may apply. Please refer to your Internet Service Provider (ISP) for additional information.

To access the Internet, you must subscribe to high speed broadband Internet service with your Internet service provider (ISP).

Your TV can be connected to your home network in two ways:

• Wired, using the RJ45 (LAN) connector on the back panel.
• Wireless, using the internal wireless and your home wireless network.

Note: Instructions below are just the usual ways to connect your TV to the wired or wireless network. The connection method may be different depending on your actual network configuration. If you have any questions about your home network, please refer to your ISP.

Connecting to a wired network

To connect to a wired network:

1. Ensure you have:
   • An Ethernet cable long enough to reach your TV
   • A router or modem with an available Ethernet port
   • A high-speed Internet connection
   • An Ethernet (LAN) port on the back of the TV

2. Connect your Ethernet cable to the router and to the Ethernet port on the back of the TV.

3. Use the Network menu to configure the TV.

Connecting to a wireless network

To connect to a wireless network:

1. Ensure you have:
   • A router broadcasting a high-speed wireless signal
   • A high-speed Internet connection

2. Use the Network menu to configure the TV.
Network Settings

After you connect your home network to the TV, follow the steps below to configure the network settings of your TV.

*Note: the wireless network connect won’t work if your TV is already connected to a wired network.*

**Connecting to a wireless network**

1. Press \( \text{Home} \) on the remote control.
2. Press \( \Delta/\n\) to select Network and press OK/\( \text{Next} \) to enter.
3. Select Wireless connection and press OK/\( \text{Next} \) to enter. Press OK/\( \text{Next} \), and press \( \Delta/\n\) to set On or Off.
4. Set Wi-Fi to On. All available wireless networks will be displayed.
5. Press \( \Delta/\n\) to highlight the name of your wireless network and press OK.
6. Using the on-screen keyboard and the remote, enter your network's password, then highlight Enter on the on-screen keyboard and press OK. Once connected, the wireless network will be saved. Next time when you connect to the same network, you do not have to re-enter the password.
7. Press \( \text{Home} \) to close the menu and return to the homepage.

**Connecting to a wired network**

1. From the Network menu, select Wired settings and press OK/\( \text{Next} \) to enter.
2. The screen displays network configuration information.
3. Press OK/\( \text{Next} \) to enter IP settings to set configuration manually.
4. Press \( \text{Home} \) to close the menu and return to the homepage.

**Detecting your network status**

1. From the Network menu, select Connecting test and press OK/\( \text{Next} \) to enter.
2. The screen displays “The network connection test is successful” or “The network connection test failed”.
**Getting Started**

### TV Buttons

If the batteries in your remote control are run down, you can use the buttons on your TV set. They have the following functions:

<table>
<thead>
<tr>
<th>For models with below buttons on the TV set:</th>
<th>For models with below buttons on the TV set:</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="/" alt="Left Arrow" /> or <img src="/" alt="Left Arrow" /> <img src="/" alt="Down/Up Arrow" /></td>
<td><img src="/" alt="Left Arrow" /> <img src="/" alt="Down/Up Arrow" /> <img src="/" alt="Left Arrow" /> <img src="/" alt="Right Arrow" /> <img src="/" alt="Up/Down Arrow" /> <img src="/" alt="Left/Up Arrow" /> <img src="/" alt="Right/Down Arrow" /> Features (Long press) <img src="/" alt="Power Button" /> (Long press)</td>
</tr>
<tr>
<td><img src="/" alt="Left Arrow" /> <img src="/" alt="Right Arrow" /> <img src="/" alt="Up/Down Arrow" /> <img src="/" alt="Left/Up Arrow" /> <img src="/" alt="Right/Down Arrow" /></td>
<td><img src="/" alt="Down/Up Arrow" /> <img src="/" alt="Up/Down Arrow" /> <img src="/" alt="Left/Up Arrow" /> <img src="/" alt="Right/Down Arrow" /> Features (Long press) Features (Long press) OK (Short press) OK (Short press)</td>
</tr>
<tr>
<td><img src="/" alt="Power Button" /></td>
<td><img src="/" alt="Power Button" /></td>
</tr>
</tbody>
</table>

For models with only one button on the set:

- **Power on/Standby**

**Note:**

*Figures and illustrations are provided for reference only and may vary depending on the model.*

### Initial Setup

The first time you switch the set on, the **HELLO** screen appears, which guides you through the initial setup process. Follow the on-screen instructions to finish the initial setup process such as selecting the language, connecting to the network, scanning channels, and more. During each step, either make a choice or skip the step. If you skip a step, you can perform the setup later from the settings menu.

**Note:** *If the channel search retrieved only the analogue channels it could be caused by poor broadcasting and therefore is not covered by manufacturer warranty. Manufacturers cannot be held responsible for lack of or poor broadcasting in some areas.*
Chapter 3

Basic TV Operations

Accessing Channels

**Using the numeric buttons:** press the corresponding numeric buttons on the remote control to access the channels.

**Using the P/

/ buttons:** press the P/

/ buttons on the remote control or the corresponding buttons on the TV set to scroll through the channels.

**Using the LIST button:** press the LIST button on the remote control to display the channel list and press ▲/▼/◄/► and OK to select channels.

Watching Connected Devices

Press ♦ on the remote control to display the source list. Press ▲/▼ to select TV or other input sources and press OK to confirm.

You can also press ♦ on the remote control to display the homepage, press◄/► to move to the TV area, then press ▲ to source area, and press ▲/▼/◄/► to move and press OK to select the input source.

Adjusting Volume

**Volume control:** press the ▲/◄/► buttons on the remote control or the corresponding buttons on the TV set to increase or decrease the volume.

**Sound mute:** press the ♦ button to temporarily mute the sound. Press this button again or the ▲ button to restore the sound.

Accessing TV Homepage

Allows you to Home, Videos, TV and Apps.

**WARNING:**

- Configure the network settings before using Smart TV applications.
- Slow responses and/or interruptions may occur, depending on your network conditions.
- If you experience a problem using an application, please contact the content provider.
- According to circumstances of the content provider, an application’s updates or the application itself may be discontinued.
- Depending on your country’s regulations, some applications may have limited service or not be supported.
- Changes in application content may be made without prior notice by the service provider.

1. Press ♦ on the remote control to display the homepage.
2. Press ▲/▼/◄/► and OK to enter the desired Apps, functions or source.
3. Press ♦ to return to the homepage.
4. Press ♦ again to exit the homepage.

**Note:** Since the connection with Internet takes time, it’s recommended that you wait a few minutes to use the Smart TV feature after activation of TV from standby.

Using TV Settings menu

Allows you to adjust TV settings, such as picture and sound.

1. Press ♦ on the remote control to display the Settings menu.
2. Press ▲/▼ to select the desired item, then press OK/► to enter the corresponding submenu.
3. In submenus, press ▲/▼ to select menu options, then press OK/► to enter the option list, the adjustment interface, or the corresponding submenu.
4. Press ♦ to return to the previous menu.
5. Press EXIT or ♦ to close the menu.

**Note:** You can also press ♦ on the remote control, select Settings (if available) and press OK to enter the Settings menu. Some options may not be available for certain signal sources.
Chapter 4

Installing Channels

This section describes how to search and store channels automatically. This may be done in any of the cases below:
- you have skipped the channel installation step in the initial setup;
- you are prompted that there are no channels in TV mode;
- you want to update your channels.

1. In TV mode, press ◀ on the remote control and select Channel > Channel scan. Press OK/► to enter.
2. The TV installs and arranges channels according to your country. Press ▲/▼ to select Country/Region, and press OK/► to enter. Enter the default password 1234 or your own password (or super password 0423) in case you have changed the password in the System > Lock menu. Press ▲/▼ to select your country and press OK to confirm.
3. Press ▲/▼ to select Automatic search and press OK/► to enter.
4. Press ▲/▼ to select Tuner mode and press ▲/▼ to select Cable, Antenna or Satellite. (Note: Satellite option is available only in selected models.)
5. Press ▲/▼ to select other options to configure.
6. After configuration is completed, press ▼ to select Search and press OK to start scanning channels.
7. The channel search may take a few minutes. After the automatic search, channels are arranged in a preset order. If you wish to hide or swap channels, press ◀ on the remote control, select Channel > Channel organizer and press OK/► to enter.

Using Subtitles

You can enable subtitles for each TV channel. Subtitles are broadcast via Teletext or DVB-T/DVB-C digital broadcasts. With digital broadcasts, you have the additional option of selecting a preferred subtitle language.

Turning on/off subtitles

1. Press ◀ on the remote control, select Channel > Subtitle and press OK/► to enter.
2. Select the Subtitle option, press OK/► to enter, press ▲/▼ to select On or Off and press OK to confirm.
3. Press EXIT or ◀ to close the menu.

Enabling subtitle languages on digital TV channels

1. Press ◀ on the remote control, select Channel > Subtitle > Digital subtitle language 1st and press OK/► to enter.
2. Press ▲/▼ to select a subtitle language as your preferred language and press OK to confirm.
3. Press ▲/▼ to select Digital subtitle language 2nd and press OK/► to enter.
4. Press ▲/▼ to select a secondary subtitle language and press OK to confirm.
5. Press EXIT or ◀ to close the menu.

Shortcut operation: Press SUBT. on the remote control to directly select a subtitle language available for the selected digital TV program.

Note: You should set Subtitle ON.

Selecting a subtitle type on digital TV channels

1. Press ◀ on the remote control, select Channel > Subtitle > Subtitle type and press OK/► to enter.
2. Press ▲/▼ to select a subtitle type and press OK to confirm. You can select Hearing impaired to display the hearing impaired subtitles with your selected language.
3. Press EXIT or ◀ to close the menu.

Note: You should set Subtitle ON.

Using Teletext

Decoding page language

1. Press ◀ on the remote control, select Channel > Teletext > Decoding page language and press OK/► to enter.
2. Press ▲/▼ to select a proper type of language in which Teletext will display and press OK to confirm.
3. Press EXIT or ◀ to close the menu.

Digital Teletext language

On digital TV channels, depending on the broadcaster, you may be able to enjoy a service with multiple initial Teletext pages in different languages. This function allows you to select an available language as primary language, which relates to different initial Teletext pages.

1. Press ◀ on the remote control, select Channel > Teletext > Digital teletext language and press OK/► to enter.
2. Press ▲/▼ to select a language and press OK to confirm.
3. Press EXIT or ◀ to close the menu.

Networked Standby

This function allows you to turn on your TV from standby mode via a network. To use this function, please make sure:
Using your TV

1. Your TV is connected to an effective home network;
2. The desired controller, such as a smartphone, is connected to the same network as your TV;
3. An App which supports network waking up function, has been installed into the controller;
4. Networked standby is set to On in the Network menu.

When the TV is in network standby mode, you can use the App to wake up the TV remotely.

T-Link

Use this function to search for CEC devices connected to the HDMI sockets in your TV and enable auto power on and auto standby between the TV and CEC devices.

Enabling or disabling T-Link

1. Press \( \mathbb{C} \) on the remote control, select System > T-Link and press OK/\( \mathbb{C} \) to enter.
2. Press \( \mathbb{A}/\mathbb{V} \) to select T-Link and press OK/\( \mathbb{C} \) to enter.
3. Press \( \mathbb{A}/\mathbb{V} \) to select On or Off and press OK to confirm.
4. Press \( \mathbb{E}X\text{IT} \) or \( \mathbb{C} \) to close the menu.

Using Auto Power on

Enables the TV to automatically power on when you power on a CEC device (e.g. DVD) with the device’s remote. Select On to enable this function.

Using Auto Standby

Enables all CEC devices to automatically go to the standby mode when you turn off the TV with the TV remote. Select On to enable this function.

Note: The CEC functions depend on the devices connected and it is possible that some devices may not interoperate correctly when connected to this TV. The user manual or the manufacturer of the problematic devices should be consulted for further information.

Time Shift

Allows you to pause, fast forward and rewind live TV, so you don’t have to miss any part of your favourite programs. Before you use the function, connect a USB drive to the TV first. For the first time, you should complete the disk setup for the USB drive.

1. Press \( \mathbb{E} \) on the remote control and select Time Shift, then press OK/\( \mathbb{C} \) to confirm.
2. Follow the directions on the screen to do the disk setup if you use time shift for the first time.
3. After the disk setup is done, time shift will start, and the time shift menu displays on the screen.
4. For later use, press \( \mathbb{E} \) and select Time Shift. Press OK/\( \mathbb{C} \) to display the time shift menu and operate according to the on-screen prompt.
5. Pressing \( \mathbb{C} \) button stops the time shift and exits.
   - When the time shift menu disappears and only the timing of the time shift remains on the screen, you can press OK to call out the time shift menu.

Notes:

- This feature is available only for digital channels.
- Before you plug the USB drive to TV, make sure you have backed up the data on the drive to avoid unforeseen malfunction and data loss.
- We recommend that you use a USB drive with at least 1GB free space and a disk speed faster than 5.0MB/sec.
- The bigger the USB drive free space for time shift, the bigger the recording length.

Quick Access of Time Shift: Insert a USB disk, press PAUSE(\( \mathbb{I} \)) on the remote control, it will access Time Shift automatically.

Using EPG (Electronic Program Guide)

EPG is an on-screen guide that displays scheduled digital TV programs. You can navigate, select and view programs.

1. Press GUIDE on the remote control, the Program Guide menu will appear, which allows you to get information about the current or next program playing on each channel. Navigate through the different programs using the \( \mathbb{A}/\mathbb{V}/\mathbb{C}/\mathbb{C} \) buttons on the remote control.
2. Use the related buttons shown at the bottom of the screen to view EPG.
   - Program Filter: Program guide filter for digital TV programs.
     - Press \( \mathbb{E} \) to display the type list of the program.
     - Navigate through the different types using the \( \mathbb{A}/\mathbb{V} \) buttons on the remote control.
     - Select one or more types, which you want to highlight from the type list, press \( \mathbb{C} \) to select or deselect. A checkmark will appear when selected.
   - Press the RED button to popup menu. Press \( \mathbb{A}/\mathbb{V} \) buttons to select Schedule reminder or Schedule recording.
     - Schedule reminder: press OK to enter, you can
choose Channel, Date, Reminder time, Repeat type.

- Schedule recording: press OK to enter, you can choose Channel, Date, Reminder time, Duration, Repeat type.
- Select date: Press the GREEN button to select date.
- Schedule list: Press the YELLOW button to view your schedule list.
- More: Press the OK button to learn more.

3. Press GUIDE or EXIT to exit EPG.

**Bluetooth Function**

(“not available for some models)

Bluetooth® is a wireless technology standard for exchanging data over short distance between Bluetooth devices. You can connect Bluetooth audio device, mouse or keyboard via the TV.

2. Select an available device, press OK and follow the guides on the screen to connect it.

**Note:** Bluetooth technology (if available in your TV) uses 2.4GHz frequency thus close proximity to WiFi access points, routers or microwave ovens might interfere with Bluetooth audio streaming. If you face interruptions in audio reception, you should restart your Bluetooth device to find frequency with less interferences and if you continue to face issues you should move closer to TV or increase space between TV and source of interferences.

The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by TCL is under license. Other trademarks and trade names are those of their respective owners.

**Password in Parental Control**

- The default password is 1234. You can change it to a new one.
- The super password is 0423. If you forget your code, enter the super password to override any existing codes.

**PVR**

PVR (Personal Video Recorder) allows you to record your favourite TV programs. Before you use PVR, connect a USB drive to the TV first.

**Note:** The feature is available only in selected products and, due to specific TV network limitations and country technical requirements, might not be available in product or place of installation. Feature might also be blocked by TV network due to copyright protection (HD content, recording protection). Please use  on the remote control to check if the feature is available in your product.

1. Press  on the remote control and select PVR.
2. Press OK to enter.
   - A mini panel (for you to control recording) appears at the bottom of the screen at first. While recording, the panel also indicates the recording progress.
   - While recording, you can turn off the TV, and the recording goes on in the suspended standby mode. The indicator on the TV flashes.
3. Press OK to start recording. The record file is put into a PVR folder in Home > TV > Media > PVR and named after the channel number.
4. Press BLUE button on the remote control to access Setting and use ▲/▼/◄/► to adjust the recording duration.
5. Press ■ to stop recording manually; in normal operation, the recording will automatically stop when the recording duration expires.
6. To watch the recorded program, press , select Home > TV > Media > PVR, and then select the related record file. Press OK to play. (It is the same if you record a digital radio program.)

**Quick PVR**

Press REC on Remote Control to record programs directly. Press blue key on Remote Control to adjust recording duration. Press ■ to stop. Select OK to exit and save files.

**Notes:**

- The PVR function is only available for digital non-encrypted channels.
- Before you connect the USB drive to the TV, make sure you have backed up the data in the drive to avoid the loss of your important data due to unforeseen malfunction.
- We recommend that you use a USB drive with at least 1GB free space and a disk speed faster than 5.0MB/sec.
- The bigger the USB drive’s free memory is for the PVR function, the longer the recording length will be.
- If you want to change channel or signal source during recording, store the recording data first.
- The TV cannot play files normally if the parameters of the file exceed the limitations of the system, the file format is not supported, the file is damaged, or the file cannot be decoded.
- Do not disconnect the USB drive when the system is reading a file or transmitting data, otherwise the system or the drive may be damaged.
Chapter 5  Other Information

Problems & Solutions

Note: Problems & solutions 1 to 2 are for the TV models which have network functions, so users of non-connected TV models can disregard them.

1. Fail to link to the network.
   - Check if your TV is connected with the network;
   - Reboot your TV;
   - Consult your internet service provider, to confirm if access of your router is supported. Refer to the operation manual of your router, and activate its DHCP function after linking the network to your TV.
   - Make sure your TV is connected to a router, and make sure your router is powered on. Check that your router/modem has an internet connection, and that your Ethernet cables/wireless connection is OK. Test your connection with a computer to make sure it is OK. Should the problem persist, contact customer service.

2. The video could not be played smoothly.
   - Videos from your USB flash drive --- It may result from data transmission, or its code flow is far beyond the supported formats of this TV set.
   - Videos downloaded from internet, or online videos.
     a. It may be caused by the lower bandwidth of your network. A high network speed is required to handle online videos.
     b. Peak internet usage times may affect the bandwidth.
     c. Check if any other computers on the same network are also operating, as they may be using up bandwidth. Especially if they are downloading or displaying on-line videos.
     d. The video may not be smooth itself, it is not the problem of your TV or network.

3. When two mobile hard disks are connected with the TV at the same time, they will not be recognized some times.
   - All mobile hard disks consume a lot of power, which may result in power supply problems. We recommend inserting only one hard disk, or a low power consumption mobile hard disk.

4. The video from a mobile hard disk (USB) is playing with no sound.
   - The audio format of the video in your mobile hard disk is not supported by the TV player.

5. Some videos fail to play.
   - The formats of the videos may not be supported by the TV, especially videos shot by certain kinds of cameras, generally with their private protocol of formats, which are not compatible with your TV.

6. Video stops playing midway.
   - Mistakes may occur when videos are copied or compressed, so they may automatically stop playing during playback.

7. What should I pay attention to, when I do SW updating?
   - No power cuts when SW updating;
   - Avoid any operations with your remote control when SW updating;
   - Depending on your internet connection speed, the software updating process may take some time.

8. There are no distinct changes of TV interface after SW updating.
   - Under certain conditions, SW updating may not only update or add new functions but also improve the performance of the TV set, without distinct changes of interface. Also, there may be no changes to the user interface at all.

9. What should I do when SW updating process stops due to a sudden power-off?
   - If you do SW updating by USB, do not pluck the USB from your TV, and restart your TV to continue SW updating; If you do SW updating by Network, also restart your TV and check if it is well functioned.

10. With a USB device being inserted into the TV in advance, I am prompted that no USB devices are detected after I access Media, why?
    - There may be something wrong with your mobile hard disk(s), damaged or with low voltage. You could increase power supply by inserting the two plugs on one end on the USB wire into TV's USB port simultaneously.

11. External device cannot be recognized.
    - Some external devices (e.g. webcam, smart phone, tablet, game handle, and external wireless adapter) may not be compatible with the TV and cannot be supported for certain functions (nScreen, wireless display, gesture control, face recognition, if any). Please try a similar device. If it does not work, contact your local dealer.
Troubleshooting

Most problems you encounter with your TV can be corrected by consulting the following troubleshooting list.

No picture, no sound
1. Check if the fuse or circuit breaker is working.
2. Plug another electrical device into the outlet to make sure it is working or turned on.
3. Power plug is in a bad contact with the outlet.
4. Check the signal source.

No color
1. Change the color system.
2. Adjust the saturation.
3. Try another channel. Black-white program may be received.

Remote control does not work
1. Change the batteries.
2. Batteries are not installed correctly.

No picture, normal sound
1. Adjust the brightness and contrast.
2. Broadcasting failure may happen.

Normal picture, no sound
1. Press the VOLUME UP button to increase volume.
2. Volume is set to mute, press the MUTE button to restore sound.
3. Change the sound system.
4. Broadcasting failure may happen.

Unorderly ripples on the picture
It is usually caused by local interference, such as cars, daylight lamps and hair driers. Adjust the antenna to minimize the interference.

Snowy dots and interference
If the antenna is located in the fringe area of a television signal where the signal is weak, the picture may be marred by dots. When the signal is extremely weak, it may be necessary to install a special antenna to improve the reception.
1. Adjust the position and orientation of the indoor/outdoor antenna.
2. Check the connection of antenna.
3. Fine tune the channel.
4. Try another channel. Broadcasting failure may happen.

Ignition
Black spots or horizontal streaks appear, or the picture flutters or drifts. This is usually caused by interference from car ignition system, neon lamps, electric drills, or other electrical appliance.

Ghost
Ghosts are caused by the television signal following two paths. One is the direct path, the other is reflected from tall buildings, hills, or other objects. Changing the direction or position of the antenna may improve the reception.

Radio frequency interference
This interference produces moving ripples or diagonal streaks, and in some case, loss of contrast in the picture. Find out and remove the radio interference source.

* To bring you better visual experience, please remove all labels from TV front panel and screen before use.
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