

Bar code

# **USER MANUAL**

Read the manual carefully and ensure you have fully understood its contents before operating this device for the first time.

## Important Safety Precautions



This symbol alerts user about the presence of a dangerous voltage not isolated inside the product which can be sufficiently powerful to constitute a risk of electrocution.



This symbol alerts user about the presence of important operating instructions and maintenance in the document enclosed in the package.



**ATTENTION**  
**RISK OF SHOCK**  
**ELECTRIC**



Do not open the back cover.

In no case the user is allowed to operate inside the TV set.  
Only a qualified technician is entitled to operate.

## Disposal of Used Electrical & Electronic Equipment



Packaging and electrical goods should be recycled appropriately, and not treated as household waste. Please dispose of this equipment at your applicable collection point for the recycling of electrical & electronic equipment waste. By ensuring the correct disposal of this product, you will help prevent potentially hazardous to the environment and to human health, which could otherwise be caused by unsuitable waste handling of this product. The recycling of materials will help conserve natural resources. Please do not therefore dispose of your old electrical and electronic equipment with your household waste. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

## 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 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.

# Important Safety Precautions

## Safeguards

---

---

Please read the following safeguards for your TV and retain for future reference. Always follow all warnings and instructions marked on the television.

### 1. A note about safety and operating instructions

Read and follow all safety and operating instructions, and retain them safely for future reference.

### 2. Heed Warnings

Adhere to all warnings on the appliance and in the operating instructions.

### 3. Cleaning

Unplug the TV from the wall outlet before cleaning. Do not use liquid, abrasive, or aerosol cleaners. Cleaners can permanently damage the cabinet and screen. Use a lightly dampened cloth for cleaning.

### 4. Wall Mount Bracket

Wall mount bracket is only available for some models. If wall bracket is not supplied with this product, you can buy it at the local market.

Please refer to the Installing the Wall Mount Bracket page of Quick Setup Guide for dimensions.

### 5. Water and Moisture

Avoid dripping or splashing of liquids onto the product. Objects filled with liquids, such as vases, should not be placed on the product.

### 6. Setting

Do not place this TV on an unstable cart, stand or table. Placing the TV on an unstable base can cause the TV to fall, resulting in serious personal injuries as well as damage to the TV. Use only a cart, stand, bracket or table recommended by the manufacturer or salesperson.

### 7. Ventilation

Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the TV and to protect it from overheating. Do not cover the ventilation openings in the cabinet and never place the set in a confined space such as built-in cabinet unless proper ventilation is provided. Leave a minimum 10cm gap all around the unit.

### 8. Power Source

This TV should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.

### 9. Power-Cord Protection

Power- supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plug, wall outlets, and the point where they exit from the TV. MAIN plug is used as the disconnect device, the disconnect device shall remain readily operable.

### 10. Lightning

For added protection for this TV during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the TV due to lightning or power-line surge.

## Important Safety Precautions

### 11. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. Where installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

### 12. Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

### 13. Object and Liquid Entry

Never push objects of any kind into this TV through openings as they may touch dangerous voltage points or short-out parts that could result in fire or electric shock. Never spill liquid of any kind on or into the TV.

### 14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges.

### 15. Servicing

Do not attempt to service this TV yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

### 16. Damage Requiring Service

Unplug the TV from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- (a) When the power - supply cord or plug is damaged.
- (b) If liquid has been spilled, or objects have fallen into the TV.
- (c) If the TV has been exposed to rain or water.
- (d) If the TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV to its normal operation.
- (e) If the TV has been dropped or the cabinet has been damaged.
- (f) When the TV exhibits a distinct change in performance - this indicates a need for service.

### 17. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

### 18. Safety Check

Upon completion of any service or repair to the TV, ask the service technician to perform safety checks to determine that the TV is in safe operating condition.

### 19. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

### 20. Fire

The product should be situated away from naked flame sources such as lighted candle.

### 21. Off-gassing

The TV smells of plastic is normal and will dissipate over time.

# Contents

<b>Live TV</b> .....	<b>3</b>
Channel Scan.....	3
Channel Edit.....	3
Channel List.....	4
Favourite.....	5
EPG (GUIDE).....	6
PVR.....	7
Recording List.....	8
Timeshift.....	9
<b>Connection</b> .....	<b>10</b>
Establishing a Wired Internet Connection.....	10
Establishing a Wireless Internet Connection.....	10
Connecting Bluetooth Devices.....	11
Using HDMI&CEC.....	12
Connecting a Digital Audio System to Use eARC/ARC.....	13
Connecting an AV device, a PC or a Game Console with an HDMI cable.....	13
Connecting USB Devices.....	14
<b>Multi-screen</b> .....	<b>15</b>
Screen Sharing.....	15
Content Sharing.....	15
<b>Smart Functions</b> .....	<b>16</b>
Getting Familiar with the Home Screen.....	16
Apps.....	17
Using Far-Field Google Assistant to Control your TV.....	18
Installing Mobile App to Control your TV.....	18
Media.....	19
<b>Picture and Sound</b> .....	<b>22</b>
Adjusting the Picture Quality.....	22
Adjusting the Sound Quality.....	25
<b>Accessibility and System</b> .....	<b>29</b>
Using Parental Control.....	29
Configuring Device Preferences Settings.....	29
Configuring Advanced System Settings.....	31
<b>Troubleshooting</b> .....	<b>34</b>
Picture Problem.....	34

# Contents

Sound Problem.....	34
Picture and Sound Problem.....	34
Internet Problem.....	35
Recording/Timeshift Function Isn't Working.....	35
My File Won't Play.....	35
Other Issues.....	36

**Disclaimer:**

**Images throughout this document are for illustrative purposes only and may differ from the actual product. Parts of the software function change with the system upgrade..**

## Channel Scan


---

### Auto Scan

**INPUT** > Channels

If no TV channels were saved before, you will be prompted to do a channel search.

or

In Live TV,  /  /  > **Channels** > **Auto Scan**

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

### Manual Scan

In Live TV,  /  /  > **Channels** > **Advanced Settings**

- **DTV Manual Scan**  
Manually scan for programmes in digital signals.
- **ATV Manual Scan**  
Manually scan for programmes in analogue signals.

## Channel Edit



---

In Live TV,  /  /  > **Channels** > **Channel Edit**



Manually edit the channel list order to your preference.

### Editing channels

Press **ok** button on the selected channel then a checkbox will appear. You can select multiple channels at the same time to move or delete.

- Delete: Press  button to delete the selected channel.
- Move: Press  button to move the selected channel.

#### NOTE

- Moving the channels could be restricted in some models/countries/regions.
- If channel scan has LCN option, LCN should be set to Off.
- Restore: Press **R/G/Y/B** /  / **123** button to call out the four-color menu to select the **RED** icon or press the **RED** button to enter the list of deleted channels. Press  button to restore the deleted channel.
- **123** Go to: Select a channel by selecting the position number in this list.



Edit the channels



## Editing favourite channels

You can add, move, and delete favourite channels.

## Exporting to USB

Allow you to export the current channel list to a USB storage device.

## Importing from USB

Allow you to import a previously exported channel list via a USB storage device.

## Channel List

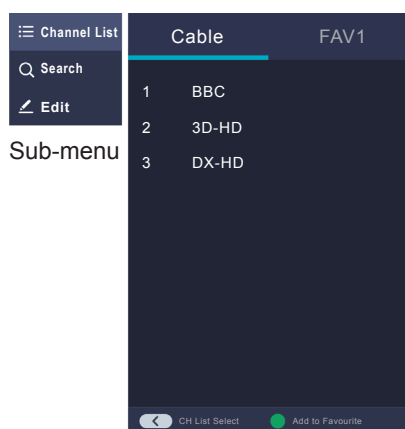
---

### Displaying the channel list

In Live TV, press **ok** or **CHLIST** button on the remote to display the Channel List menu.

### Entering the sub-menu of channel list

**ok** or **CHLIST** > **←**



Channel list menu

### Introducing the sub-menu

#### 1. Channel List

**ok** or **CHLIST** > **←** > **Channel List**

- All  
Display the channels that have been automatically searched.
- Favourite List  
Display favourite lists 1 to 4. (Four favourite lists at most can be added).
- Add fav list  
Add an additional favourite list.

#### 2. Search

Quick access to channels.

#### 3. Edit

Edit the channel list.

## Favourite

### Viewing your favourite list

Press **OK** or **CH.LIST** button to call out the Channel list, and the channel list appears on the right side of the screen. A heart-shaped icon will appear next to your favourite channel.

### Editing the favourite list

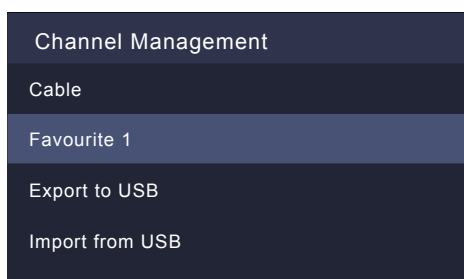
There are 2 ways to enter the edit menu:

**OK** or **CH.LIST** > **←** > **Edit** > **Favourite1-Favourite 4**

or

**≡** / **≡** / **≡** > **Menu** > **Channels** > **Channel Edit** > **Favourite1-Favourite 4**

The Edit Favourites screen appears.



- **Adding channels to a favourite list**

Select the **⊕ Add channels** to add the selected channel to the favourite list.

- **Moving channels in a favourite list**

Select a channel in a favourite list, press **←** button to move it.

- **Deleting channels from a favourite list**

Select a channel in a favourite list, press **→** button to remove it.



### NOTE

- These steps should be operated under Channels inputs.
- Before you edit the favourite lists, complete channel scan first.
- You can add channels from various reception types to the favourite list.

## EPG (GUIDE)

It provides convenience to check TV programmes that will be available in the next 7 days. The information displayed by the EPG (GUIDE) is made available by the commercial television networks for digital channels only. The EPG (GUIDE) also provides a simple way to record your favourite programmes and a reminder function which can switch channel automatically at scheduled time so that you will not miss programmes of interest.

(The availability and amount of programme information will vary, depending on the particular broadcaster).

### NOTE

The EPG (GUIDE) function is only available for digital channels. Analogue channels are not supported.

In Live TV, press **EPG / GUIDE** button on the remote or press **Menu / Info / Guide** button to enter the Menu, then choose the **EPG (GUIDE)** to display channel information on programme guide list.

#### • Watch

When a current programme is selected, press the **OK** button to switch to the channel you want to see.

#### • PVR/Reminder

Press **Up / Down** button to select the channels. Press **Left / Right** button to select programme based on the time schedule.

Press **OK** button on the remote to select PVR or Reminder.

### NOTE

- PVR/Reminder in the Guide(EPG) is only available for programmes that haven't been aired yet.
- A storage device (space should be no less than 2G, transfer rate should be no less than 5MB/s) must be attached to the television for recording purposes. It is strongly recommended to use USB mobile hard disk drive instead of USB flash drive as the storage device.
- The TV will record the programme even in standby mode.
- The PVR function may not be applicable in some models/countries/regions.

#### • Page Up/Down

Press **CH+ / CH-** button to move the programme list page up/down.

#### • Schedule

To view a list of scheduled reminders and recordings.

Press **R/G/Y/B / 123** button on the remote to call out the colour menu to select the **RED** icon or press the **RED** button on the remote directly according to the actual remote in the accessory bag.

#### • Detail

To display details of the selected programme.

Press **R/G/Y/B / 123** button on the remote to call out the colour menu, select the **GREEN** icon or press the **GREEN** button on the remote directly according to the actual remote in the accessory bag.

This function may not be applicable in some models/countries/regions

#### • 24-

To select programmes of the previous day.

Press **R/G/Y/B / 123** button on the remote to call out the colour menu, select the **YELLOW** icon or press the **YELLOW** button on the remote directly according to the actual remote in the accessory bag.

#### • 24+

To select programmes of the next day.

Press **R/G/Y/B / 123** button on the remote to call out the colour menu, select the **BLUE** icon or press the

**BLUE** button on the remote directly according to the actual remote in the accessory bag.

## PVR

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

### • Schedule Recording

Press **EPG** / **GUIDE** button or press **≡** / **≡** / **≡** button on your remote to access the **Menu**, and then select **EPG (GUIDE)**.

Select the upcoming programme, press **ok** button to select **PVR** and set the appointment time and period. The reservation is successful.

Press the **RED** button or press **R/G/Y/B** / **⊕** / **⊖** button on the remote to call out the colour menu, then select the **RED** icon to view the scheduled recording. In the schedule recording list, you can readjust the reservation information that has been set.

### • Instant Recording

Press **V** button to select PVR.

Select a USB storage drive, the device speed will be tested if it is used for the first time.

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

### • Standby Recording

If you press the power button during recording, a pop-up window appears on the screen. Select **Standby Recording**, and the TV will go into standby mode but the recording process is still going on. If you press power button again to wake up the TV, the recording process will not be affected. After recording, the recorded file will be automatically saved to the disk.

### • Background Recording

You can switch to an app or another source (e.g. HDMI) during recording, a pop-up window appears on the screen. Select **Yes** to switch, and the recording process is still going on. When the recording is done, the recorded file will be automatically saved to the disk. If you want to manually stop recording, press **INPUT** > **Channels** to switch back to the channel that is in the recording process, and then press **V** > **ok** button to stop.

### NOTE

- The storage space of your USB device should be no less than 2G (for 15 minutes high definition video). It is strongly recommended to use USB mobile hard disk drive instead of USB flash drive as the storage device.
- If the transfer rate of your hard disk is too slow, a pop-up notice will appear. In this case, you can use another disk with higher speed.
- The PVR function doesn't support analogue channels.
- The schedule recording function is not available while you are watching a programme that is currently being broadcast.
- Some broadcasters may restrict to record the programme.
- During the recording progress, channels locked with Channel Lock (password needed) are disabled to watch.
- The PVR function may not be applicable in some models/countries/regions.

## Recording List

### Accessing the recording list

View the list of recorded programmes and scheduled recordings.

To enter the recording list:

**V** > **Recording List**

or

In **EPG (GUIDE)**, Press the **RED** button or press **R/G/Y/B** / **⊕** / **123** to select **RED** icon, and then select **Recorded**.

### Managing the recording list

**V** > **Recording List** > **Recorded**

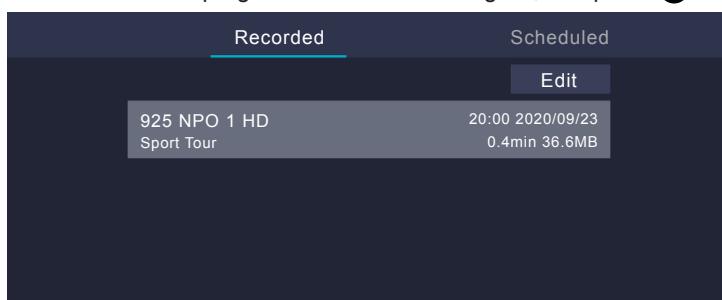
You can watch or delete recorded programmes.

- **Delete the recorded programme**

Select **Edit**, select a recorded programme in the recording list, and press **➤** button to remove it.

- **Watch**

Select a recorded programme in the recording list, and press **ok** button to watch it.



### Managing the schedule recording list

**V** > **Recording List** > **Scheduled**

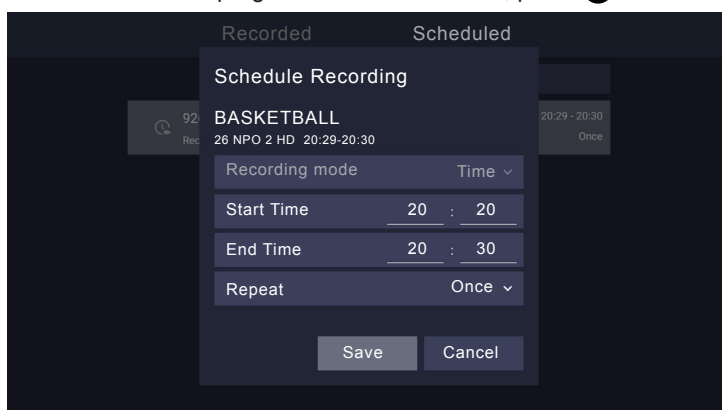
You can change scheduled recording information or cancel scheduled recordings.

- **Delete the scheduled programme**

Select **Edit**, select a scheduled programme in schedule list, and press **➤** button to remove it.

- **Edit scheduled programme**

Select a scheduled programme in schedule list, press **ok** button to adjust the scheduled programme.



## NOTE

- The Recording List function is only applicable in some models/countries/regions.

## Timeshift

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

Press **V** button on the remote to select T.Shift and then the menu will appear, select the **||** icon to pause the live broadcast and select the **▶** icon to play. Select the **◀◀** icon to rewind and select the **▶▶** icon to fast forward. Select the **■** icon to exit the function and watch the current broadcast.



- |                 |                   |
|-----------------|-------------------|
| 1. Rewind time  | 5. Stop Timeshift |
| 2. Rewind       | 6. Current time   |
| 3. Pause / Play | 7. Total time     |
| 4. Fast forward |                   |

## NOTE

- The T.Shift function doesn't support analogue channels.
- The storage space of the USB device should be no less than 1G. It is strongly recommended to use USB mobile hard disk drive instead of USB flash drive as the storage device.
- The Timeshift function may not be applicable in some models/countries/regions.

# Connection

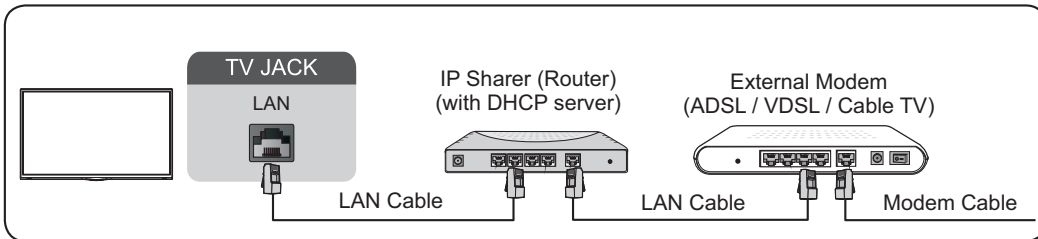
## Establishing a Wired Internet Connection

### Connecting to a wired (Ethernet) network

Press / / button to select icon, and select **Network & Internet**.

To get access to the Internet in a wired way, it is recommended to use a modem or router that supports Dynamic Host Configuration Protocol (DHCP). Modems and routers that support DHCP automatically provide the IP address, subnet mask, gateway, and DNS, so you don't have to enter them manually. Most home networks already have DHCP.

See the illustration below.



### Using Wake on LAN

Press / / button to select icon, select **Network & Internet**, and set **Wake on LAN** and **Wake on Cast** to On.

Using an Ethernet connection and switching on Wake on LAN and Wake on Cast, you can turn on the TV from the standby mode, and push content to be broadcast on the TV with an app supporting the screencast feature in your mobile device.

#### NOTE

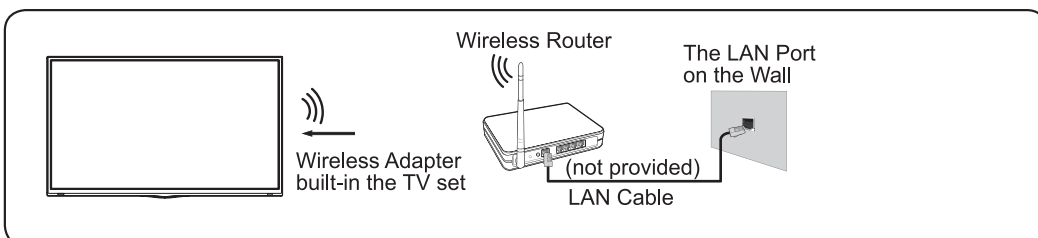
- To use this function, make sure your TV and mobile device are connected to the same network.
- Enabling this function may result in higher energy consumption.

## Establishing a Wireless Internet Connection

### Connecting to a wireless network

Press / / button to select icon, and select **Network & Internet > Wifi**.

To connect to an available wireless network, make sure that you have the wireless router's SSID and password before attempting to connect.



## Connection

To get access to the Internet in a wireless way:

1. Turn on your Wi-Fi.
2. The list of networks will display automatically.
3. Select a wireless network from the list, input the password.
4. If the network connection does not appear in the list, select **See all** to display all the list, or select **Add new network** to input a Wi-Fi name, select the type of security mode, and enter password.

### Using Wake on Wireless Network

Press  /  /  button to select  icon, select **Network & Internet**, and set **Wake on Wireless Network** and **Wake on Cast** to On.

Using a wireless network connection and switching on Wake on Wireless Network and Wake on Cast, you can turn on the TV from the standby mode, and push content to be broadcast on the TV with an app supporting the screencast feature in your mobile device.

#### NOTE





- To use this function, make sure your TV and mobile device are connected to the same network.
- Enabling this function may result in higher energy consumption.

## Connecting Bluetooth Devices

---

### Connecting a Bluetooth device

To pair a Bluetooth device, such as Bluetooth headphones, speakers, keyboards, mouse or even mobile devices:

1. Before pairing your Bluetooth devices, make sure they're in pairing mode and put devices within range of the TV. To put your Bluetooth devices in pairing mode, refer to the user manual of devices.
2. Press  /  /  button to select  icon, and select **Remotes & Accessories** > **Add accessory** to turn on the pairing mode.

A list of available Bluetooth devices will be displayed.

3. Select the desired device from the list, then follow the onscreen instructions.





If you are prompted to enter a passcode, refer to the instruction in user manual of the device.

After pairing is completed, the device is connected and is stored to the TV.

#### NOTE

- You need to unpair a paired device first if the maximum number of paired devices was reached.

### Listening to the TV through Bluetooth devices

1. Pair the Bluetooth audio devices using the TV's Bluetooth function. Refer to the user manual of your audio device such as Bluetooth speaker, sound bar and headphones for detailed connection steps and usage.
2. Press  /  /  button to select  icon, select **Sound** > **Audio Output**, and then select the **Bluetooth** option to listen to the audio through bluetooth devices.

#### NOTE

- Compatibility issues may occur depending on the Bluetooth device.
- The TV and Bluetooth device may disconnect depending on the distance between them.



## Using HDMI&CEC

---

Use the TV's remote to control external devices that are connected to the TV by an HDMI cable. The external devices need to support HDMI&CEC function.

### Connecting an external device through HDMI&CEC function

Press  /  /  button to select  icon, and select **Device Preferences > Inputs > HDMI control**.

1. Set **HDMI control** to On.
2. Connect an HDMI&CEC compliant device to the TV.
3. Turn on the connected external device. The device will be connected to the TV automatically. After connection is finished, you can access the menu of the connected device on your TV screen using your TV remote and control the device.

### Enabling device auto power off

Press  /  /  button to select  icon, and select **Device Preferences > Inputs > Device auto power off**.




Set to On to turn off CEC compatible external devices when the TV is turned off.

### Enabling TV auto power on

Press  /  /  button to select  icon, and select **Device Preferences > Inputs > TV auto power on**.

Set to On to turn on the TV when CEC compatible external devices is turned on.

### Using HDMI 2.0 Format function

Press **INPUT** button on your remote to select **HDMI**, and then press  /  /  button to select **HDMI 2.0 Format**.

Please select the Enhanced format if your HDMI device supports 4K HDR and above. If it does not support 4K HDR, please select Standard format.

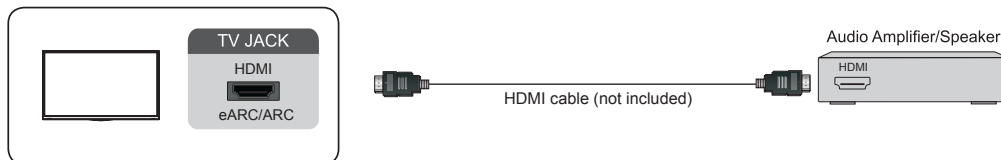
#### NOTE

- HDMI cables must be used to connect HDMI&CEC compatible devices to your TV.
- The HDMI&CEC feature of the connected device must be turned on.
- If you connect an HDMI device that is not HDMI&CEC compatible, all the HDMI&CEC control features do not work.
- Depending on the connected HDMI device, the HDMI&CEC control feature may not work.
- The HDMI&CEC feature supports One Touch Play, Routing Control, System Standby, Device OSD Name Transfer, Remote Control Pass Through, Give Device Power Status, System Audio Control.

## Connection





### Connecting a Digital Audio System to Use eARC/ARC

If you'd like to use the Enhanced Audio Return Channel (eARC) / the Audio Return Channel (ARC) feature to send sound from the TV back down an HDMI cable to a digital sound system, you can connect it to the HDMI (eARC/ARC) port of your TV.



By using this feature, you can also control the sound system with your TV remote instead of using the remotes for each device.

After the connection:

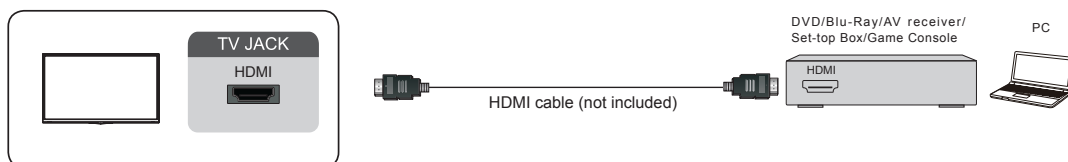
1. Power on the sound system.
2. Press  /  /  button to select  icon, and select **Sound > Audio Output > eARC/ARC**.  
If the device support eARC function, first select **Sound > eARC** to set it to On.

#### NOTE

- It works only when the TV is connected to the audio receiver that supports the eARC/ARC function.
- If the device has an Input Selector feature then make sure to change it to TV.
- When this port is used for eARC/ARC function, it can be used as signal input when DVD is connected to an amplifier and the amplifier is connected to the TV at the same time. (Some amplifiers may not support series connection.)

### Connecting an AV device, a PC or a Game Console with an HDMI cable

You can connect an AV device, a PC or a Game Console with an HDMI cable.



After the connection:

1. Power on the device.
2. Press **INPUT** button on your remote, select the corresponding **HDMI** as the input source.

#### NOTE

- Refer to the "Quick Setup Guide" for more connection information.
- Some devices such as DVD player require HDMI signal to be set to output in the device's settings. Please

## Connection

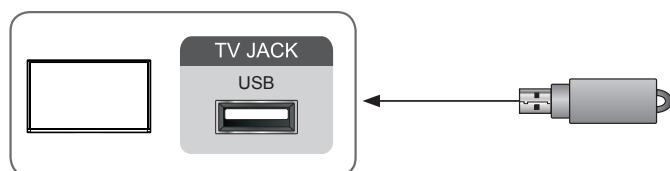
consult your device's user manual for instructions.

- If there is no sound from your TV, change the device's audio settings.

### Connecting USB Devices

---

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



- Support the USB disk 4G, 8G, 16G, 32G, 64G, 128G and other common market size, and 8T hard drive is currently supported.
- Support format: NTFS, FAT32.
- Certain digital cameras may not be compatible with the TV.

## Screen Sharing

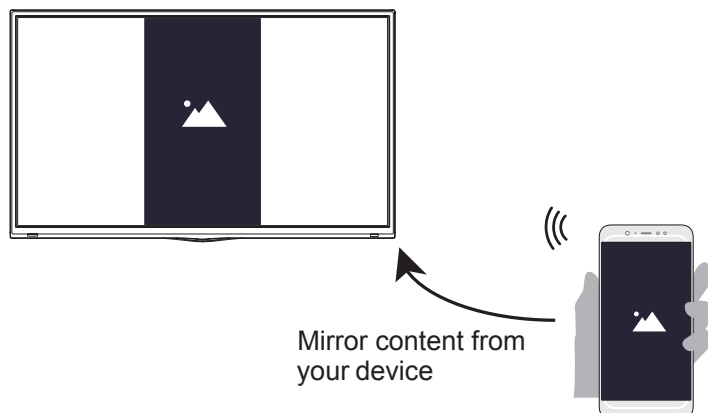
Mirror content from your mobile device to the TV. View videos, photos and more from your device on your TV screen.

🏠 / 📺 / 🏠 > **Apps > Screen Sharing**

- Turn on the casting function of your Android/Windows10 device.  
The setting icon may vary depending on the device. The feature may be called “Wireless display”, “Smart view”, “Wireless projection”, etc.
- Find the TV name in the searching list of your device and select it.  
Wait for the connection progress to complete and the content on your device will be displayed on the TV.

### NOTE

- Some mobile devices may not support casting.



## Content Sharing

Share videos, music or pictures from your Android/iOS/PC device to the TV screen.

Press 🏠 / 📺 / 🏠 button to select ⚙️ icon, select **Network & Internet**, and select **Content Sharing**.

- Turn on the contents sharing function of your Android/iOS/PC device.
- Find the TV name in the searching list of your device and select it.  
Wait for the connection progress to complete and select the content you want to share.

### NOTE

- TV and your Android/iOS/PC device need to connect to the same network.
- Some devices may not support contents sharing function. If your device doesn't support contents sharing, you can download an app that supports the function.




## Getting Familiar with the Home Screen

---

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

To access the Home screen, press the  /  /  button on your remote and use the D-pad to make your selection.

To exit the Home screen, press **INPUT** button on your remote or use the D-pad to move the cursor to  Inputs icon on the top of the screen, press **ok** button to enter, and select your desired input source.

### Indicators and icons on the top of the Home screen

- **Google Assistant**  
You can search movies, adjust volume, and more by speaking.
- **Google Search**  
You can search movies, adjust volume, and more by typing.
- **Notifications**  
Notifications can come from the system, an external device, an application, the media player, etc.
- **Inputs**  
Select the Input source depending on the device you have connected to your TV.
- **Network & Internet**  
You can set up the Network & Internet.
- **Settings**  
Settings lets you configure the TV, set app options, add accounts, and change other preferences.
- **Time**  
You can always view the current time on the Home screen.

### Names of sections that appear on the Home screen

The Home screen displays the following section:

- **Apps**  
This is the location where you have access to all the apps on your TV. You can enjoy a wide range of services including video streaming.
- **Play Next**  
You can select types of content for play next.  
You can also manually add a programme to play next by long-pressing on a programme in the Home screen.
- **Recommended content**  
Here the premium content will display on the screen, and you can quickly enter contents that you want.

### Managing apps on the apps row

Select an app on the apps row you want to open, remove or move, and long press **ok** button to manage.

If the favourite app is not on Home screen, you can add app to the apps row via the Apps page. Select your favourite app and long press **ok** button, and then select **Add to favourites**.

## Apps




---

### / / > Apps

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

### Installing an app

To install an app:

1.  /  /  > **Apps** > **Get more apps** > **Google Play**.
2. Use the navigation buttons on your remote to select the app that you want to install.
3. Select the **Install**. The selected app is installed on the TV.

#### NOTE



- To use this function, the TV must be connected to the Internet.
- Adding apps is free, but it might cost you money when using some apps.

### Managing installed apps

#### • **Removing an app**

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

To delete an app:



1. From the Apps screen, use the navigation buttons on your remote to select the app that you want to remove. Long press the  button.
2. Select **Uninstall**.
3. A dialogue message displays and asks whether you want to uninstall this app. Press the  button to confirm and the icon is removed from the apps screen.

#### NOTE

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

#### • **Moving app icons around**

To move an app:

1. From the apps screen, use the navigation buttons on your remote to select the app that you want to move. Long press the  button.
2. Select **Move**.
3. Use the navigation buttons on your remote to move the location of app. Press the  button to confirm.

## Smart Functions

### Using Far-Field Google Assistant to Control your TV

The Google Assistant can answer your questions or help you change TV configuration. Before using this function, connect the TV to the Internet and sign in your Google account.

Select  icon on the top of Home screen and follow the onscreen instructions to complete sign in.


#### How to use the Google Assistant function via the control button on the TV

1. Turn on the build-in microphone of far-field Google Assistant on the TV.
2. Start a conversation by saying "OK Google" or "Hey Google", and the dialogue bar appears at the bottom of the TV screen. At the same time, indicator lights illuminate.
3. Continue speaking, such as "What's the weather" or "Volume up".

#### Screenless Mode

You can talk to the Google Assistant even when the screen is off.

In Screenless Mode, the Google Assistant is always available to help even when the screen is not on. Just say "OK Google" or "Hey Google" to start a conversation.

This feature will affect standby power consumption. To turn it off, go to  /  /  button to select  icon, and select **Advanced System > Support > Screenless Mode**.

#### NOTE





- The far-field Google Assistant and some of its features are only available in selected countries, regions and languages.

### Installing Mobile App to Control your TV

Press  /  /  button to select  icon, and select **Advanced System > Mobile App Installation**.

You can scan the Mobile App download QR code on screen to install the app on your smartphone to control your TV, such as turning the TV on or off, typing in with your mobile's keyboard, and sharing pictures or videos from your mobile to TV. This app is available on both Android and iOS.

#### To connect your TV after installing the mobile app

1. Agree with end user license, and disclaimer and privacy policies on TV. If you are not sure whether you have agreed, press  /  /  button to select  icon, and select **Device Preferences > About > Legal information > End User License Agreement/EULA & Privacy** to check it.
2. Make sure your mobile phone and TV are connected in the same network.
3. To use this function, switch on **Content Sharing at Network & Internet > Content Sharing**.
4. Open the mobile app and select the TV device you want to connect.
5. Enter the PIN code on the mobile phone, and the connection is established.

# Smart Functions




## Media

Media is a central location for you to view or listen to different types of content, such as photos, music and movies. You can view media content through the following methods:

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

### Browsing content

You have two ways to enter Media:

- Insert a USB device, a prompt message appears, choose whether to go to the media.
- When your USB device is connected to the TV but TV doesn't show Media page, press  /  /  button to select **Apps > Media**.

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

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

To exit the Media centre, press the  /  button on your remote.

### Media format list

#### NOTE

- Due to differences in programming tools and other factors, some of the file formats that are listed may or may not be supported.

#### Video:

Number	Video Codec	Resolution	Bit Rate	Profile	Container
1	VP9	8192 × 4320 @ 30fps	60 Mbps	.Profile 0 (4208bit) Profile 2, (420, 10bit)	MKV (.mkv) WebM (.webm)
2	HEVC/H.265	8192 × 4320 @ 60fps	200Mbps	Main/Main10 Profile, High Tier @Level 6.1	MP4 (.mp4, .mov) / 3GPP (.3gpp, .3gp) MPEG transport stream (.ts, .trp, .tp) / MKV (.mkv) / FLV (.flv) / AVI (.avi) / H265 (.265)
3	MPEG1/2	1920 × 1080 @ 60fps	80Mbps	MP@HL	MPEG program stream (.DAT, .VOB, .MPG, .MPEG) / MPEG transport stream (.ts, .trp, .tp) / MP4 (.mp4, .mov) / 3GPP (.3gpp, .3gp) / AVI (.avi) / MKV (.mkv) / ASF (.asf) / WMV (.wmv) / OGM (.ogm)
4	MPEG4	1920 × 1080 @ 60fps	80Mbps	. Simple Profile . Advanced Simple Profile@Level 5 . GMC is not supported	MP4 (.mp4, .mov) / 3GPP (.3gpp, .3gp) / AVI (.avi) / MKV (.mkv) / ASF (.asf) / WMV (.wmv) / FLV (.flv) / OGM (.ogm) / MPEG transport stream (.ts, .trp, .tp) / MPEG program stream (.DAT, .VOB, .MPG, .MPEG)
5	Sorenson H.263	1920 × 1080 @ 60fps	80Mbps		FLV (.flv) / AVI (.avi)
6	H.263	1920 × 1080 @ 60fps	80Mbps		FLV (.flv) / MP4 (.mp4, .mov) / 3GPP (.3gpp, .3gp) / AVI (.avi) / ASF (.asf) / WMV (.wmv)
7	H.264	8192 × 4320 @ 30fps	200Mbps	Main, High and High10 profile up to level 6.0	FLV (.flv) / MP4 (.mp4, .mov) / 3GPP (.3gpp, .3gp) / MPEG transport stream (.ts, .trp, .tp) / ASF (.asf) / WMV (.wmv) / AVI (.avi) / MKV (.mkv) / OGM (.ogm) / MPEG program stream (.DAT, .VOB, .MPG, .MPEG) / H264 (.264)



## Smart Functions

8	WMV3	1920 × 1080 @ 60fps	80Mbps		ASF (.asf) / AVI (.avi) / MKV (.mkv) / WMV (.wmv) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov) / OGM (.ogm)
9	VC1	1920 × 1080 @ 60fps	80Mbps	. Advanced Profile@ Level 3 . Simple Profile . Main Profile	MPEG transport stream (.ts, .trp, .tp) / ASF (.asf) / WMV (.wmv) / AVI (.avi) / MKV (.mkv) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov) / VC1 (.vc1)
10	Motion JPEG	1920 × 1080 @ 30fps	30Mbps		AVI (.avi) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov) / MKV (.mkv) / FLV (.flv) / OGM (.ogm)
11	VP8	1920 × 1080 @ 60fps	60Mbps		MKV (.mkv) / WebM (.webm) / FLV (.flv) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov) / AVI (.avi) / OGM (.ogm)
12	AV1	8192 × 4320 @ 30fps	60Mbps	Main Profile @Level 6.0	MP4 (.mp4, .mov) / 3GPP (.3gpp, .3gp) / MKV (.mkv) / WebM (.webm)

### Audio:

Number	Audio Codec	Sample rate	Channel	Bit Rate	Container	Note
1	MPEG1/2 Layer1	16kHz ~ 48kHz	Up to 2	32Kbps ~ 448Kbps	MP3 (.mp3) / AVI (.avi) / ASF (.asf) / WMV (.wmv) / DivX (.divx) / MKV (.mkv, .mka) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov, .m4a) / MPEG transport stream (.ts, .trp, .tp) / MPEG program stream (.DAT, .VOB, .MPG, .MPEG) / FLV (.flv) / WAV (.wav) / OGM (.ogm)	
2	MPEG1/2 Layer2	16kHz ~ 48kHz	Up to 2	8Kbps ~ 384Kbps		
3	MPEG1/2/2.5 Layer3	8kHz ~ 48kHz	Up to 2	8Kbps ~ 320Kbps		
4	AC3(DD)	32kHz, 44.1kHz, 48kHz	Up to 5.1	32Kbps ~ 640Kbps	AC3(.ac3) / AVI (.avi) / MKV (.mkv, .mka) / DivX (.divx) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov, .m4a) / MPEG transport stream (.ts, .trp, .tp) / MPEG program stream (.DAT, .VOB, .MPG, .MPEG) / WMV (.wmv) / ASF (.asf) / OGM (.ogm)	
5	EAC3(DDP)	32kHz, 44.1kHz, 48kHz	Mono, Stereo, 7.1CH up to 15 object and Lfe decoder can render to 5.1.2	Up to 6.144Mbps	EAC3(.ec3) / AVI (.avi) / MKV (.mkv, .mka) / DivX (.divx) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov, .m4a) / MPEG transport stream (.ts, .trp, .tp) / MPEG program stream (.DAT, .VOB, .MPG, .MPEG) / WMV (.wmv) / ASF (.asf) / OGM (.ogm)	
6	AAC-LC, HEAAC	8kHz ~ 48kHz	Up to 5.1	16Kbps ~ 576Kbps	AAC (.aac) / AVI (.avi) / MKV (.mkv, .mka) / DivX (.divx) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov, .m4a) / MPEG transport stream (.ts, .trp, .tp) / MPEG program stream (.DAT, .VOB, .MPG, .MPEG) / FLV (.flv) / RM (.rm, .rmvb, .ra) / WAV (.wav) / WMV (.wmv) / ASF (.asf) / OGM (.ogm)	
7	WMA7, WMA8, WMA9	8kHz ~ 48kHz	Up to 2	32Kbps ~ 192Kbps	ASF (.asf) / WMV (.wma, .wmv) / AVI (.avi) / MKV (.mkv, .mka) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov)	WMA7, WMA8, WMA9 Standard
8	WMA9 Pro	16kHz ~ 48kHz	Up to 5.1	48Kbps ~ 384Kbps	ASF (.asf) / WMV (.wma, .wmv) / AVI (.avi) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov)	

## Smart Functions

9	VORBIS	6kHz ~ 48kHz	Up to 5.1	8Kbps ~ 500Kbps	MKV (.mkv, .mka) / WebM (.webm) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov, .m4a) / Ogg (.ogg) / WMV (.wmv) / ASF (.asf) / AVI (.avi)	Supports stereo decoding only
10	DTS, DTS HD	32kHz, 44.1kHz, 48kHz	Up to 5.1	32Kbps ~ 1.5Mbps	MPEG transport stream (.ts, .trp, .tp) / MPEG program stream (.DAT, .VOB, .MPG, .MPEG) / WAV (.wav) / MKV (.mkv, .mka) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov, .m4a) / AVI (.avi) / OGM (.ogm) / DTS (.dts)	
11	DTS LBR (express)	32kHz, 44.1kHz, 48kHz	Up to 5.1	32Kbps ~ 1.5Mbps	MP4 (.mp4, .mov) / 3GPP (.3gpp, .3gp) / MPEG transport stream (.ts, .trp, .tp)	
12	FLAC	8kHz ~ 192kHz	Up to 5.1	128Kbps ~ 2304Kbps	MKV (.mkv, .mka) / FLAC (.flac)	
13	OPUS	8kHz ~ 48kHz	Up to 5.1	6Kbps ~ 510Kbps	MKV (.mkv, .mka) / WebM (.webm)	
14	AC4	44.1kHz, 48kHz	Max. 11 channels Max. 10 objects	Up to 6140Kbps	MPEG transport stream (.ts, .trp, .tp) / 3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov, .m4a) / AC4 (.ac4)	
15	MPEG-H	16kHz, 24kHz, 32kHz, 48kHz	Up to 2	20Kbps ~ 1200Kbps	3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov, .m4a)	
16	DRA	32kHz, 44.1kHz, 48kHz	Up to 5.1	32Kbps ~ 9612Kbps	MPEG transport stream (.ts, .trp, .tp)	
17	APE	32kHz, 44.1kHz, 48kHz	Up to 2	500Kbps ~ 1.5Mbps	APE (.ape)	
18	AMR-NB	8kHz	1	4.75Kbps ~ 12.2 Kbps	3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov, .m4a)	
19	AMR-WB	16kHz	1	6.6Kbps ~ 23.85 Kbps	3GPP (.3gpp, .3gp) / MP4 (.mp4, .mov, .m4a)	

### Photo:

Number	Image	Photo	Resolution (width x height) (MTK suggests)	Remark
1	JPEG	Base-line	15360 x 8640	The limitation of max resolution depending on DRAM size
2		Progressive	1024 x 768	The limitation of max resolution depending on DRAM size
3	PNG		9600 x 6400	The limitation of max resolution depending on DRAM size
4	BMP		9600 x 6400	The limitation of max resolution depending on DRAM size
5	GIF		6400 x 4800	The limitation of max resolution depending on DRAM size
6	Webp		3840 x 2160	The limitation of max resolution depending on DRAM size
7	HEIF		4000 x 3000	The limitation of max resolution depending on DRAM size

## Adjusting the Picture Quality

### Using the backlight function

Press  /  /  button to select  icon, and select **Picture > Backlight**.

You can change the overall brightness of the screen.

- **Local Dimming**  
Enable the TV to automatically adjust the backlight by sections according to the changes in the image and increase the contrast.
- **Dynamic Backlight Control**  
Enhance the contrast ratio between light and dark areas of the picture.
- **Backlight Level**  
Adjust how bright you want images to appear, lower settings create darker images.
- **Automatic Light Sensor**  
Enable the TV to automatically adjust the picture settings according to the amount of ambient light in your room.
- **Light Sensor Shift**  
Adjust the lower point of the dynamic backlight adjustment scope. This is a money-saving feature because it reduces power consumption.

#### NOTE

- Some functions above may not be applicable in some models/countries/regions.

### Enabling OLED light

Press  /  /  button to select  icon, and select **Picture > OLED Light**.

Set the overall brightness of the screen.

#### NOTE

- This function may not be applicable in some models/countries/regions.

### Adjusting peaking brightness dynamic range

Press  /  /  button to select  icon, and select **Picture > Peaking Brightness Dynamic Range**.

Adjust the maximum brightness of the screen area.

#### NOTE

- This function may not be applicable in some models/countries/regions.





### Choosing a picture mode

Press  /  /  button to select  icon, and select **Picture > Picture Mode**.

You can select the picture mode that provides the best viewing experience.

### Low Blue Light for TUV Certification

Cinema is designed to reduce the level of blue light to protect your eyes.

Press  /  /  button to select  icon, and select **Picture > Picture Mode**, and select **Cinema**.

To reduce the eye strain and protect eyes when you watch TV for a period of time, you are suggested to:

- Take regular and frequent breaks to avoid watching TV for a long period of time. Long time of watching may cause you eye fatigue. It is not recommended to watch TV for more than one hour.
- Look away from the TV screen and look at distance objects during the breaks for at least 10 minutes for eye

## Picture and Sound

care.





- Relax yourself during a break by doing eye exercises or outdoor activities.
- The best recommended viewing distance is 3 times the vertical height of the TV screen.

Proper breaks and exercises are proved excellent help to relieve eye strain and fatigue.

### NOTE

- This feature may not be applicable in some models/countries/regions. Low blue light certification may vary by model.
- Low Blue Light can only be supported when the Color Temperature is set to **Low**.

### Adjusting the picture quality for each picture mode

Press  /  /  button to select  icon, and select **Picture > Contrast, Brightness, Colour, Tint or Sharpness**.

Choose a picture mode and then adjust the settings.

- **Contrast**  
Adjust the Contrast level to increase or decrease how bright images appear.
- **Brightness**  
Adjust the Brightness level to generate lighter or darker images.
- **Colour**  
Adjust the colour intensity of the picture for a more vibrant image.
- **Tint**  
Adjust the colours from green to magenta tint to view the natural skin tones of people on the screen.
- **Sharpness**  
Adjust how sharp or soft edges of images appear.

### Changing the aspect ratio

Press  /  /  button to select  icon, and select **Picture > Aspect Ratio**.

You can change the size of the picture displayed on the TV screen.

- **Automatic**  
Automatically switch Aspect Ratio between 16:9 and 4:3 based on the signal information.
- **16:9**  
Best suited for 16:9 Widescreen content. This will also stretch 4:3 content to Widescreen.
- **4:3**  
Best suited for 4:3 content.
- **Panoramic**  
Provides a full-screen image by stretching the edges whilst leaving the middle untouched.
- **Movie Zoom**  
Provides a full-screen image by zooming in on the movie.
- **Direct**  
Point to point display also known as 1:1 Pixel Mapping.

### Enabling smart scene function

Press  /  /  button to select  icon, and select **Picture > Smart Scene**.

Set to On to enable your TV to recognize the scene in the content watching and enhance the picture quality on





## Picture and Sound

all input sources.

### NOTE

- Some specific application has explicit constraints that the content recognition is not allowed.

### Configuring advanced picture settings

Press  /  /  button to select  icon, and select **Picture > Advanced Settings**.





You can configure picture mode settings that provides the best viewing experience.

- **Overscan**  
Change the video size settings to slightly crop the edges of the displayed image.
- **Colour Temperature**  
Adjust how warm (red) or cool (blue) the white areas of an image appears.
- **Motion Enhancement**  
Reduce seeing afterimages that are left on the screen when viewing fast-moving objects.  
If you select **Custom**, you can configure **Blur Reduction** and **Judder Reduction** manually.
- **Motion Clearness**  
Improve the clarity when viewing fast moving scenes.
- **Noise Reduction**  
Improve how clear the picture appears by reducing noise.
- **Digital Noise Reduction**  
Improve picture clarity by reducing video noise.
- **HDMI Dynamic Range**  
Adjust the HDMI signal range to be more suitable for the content. (HDMI mode only)
- **Active Contrast**  
Automatically darken dark areas and lighten light areas of images to see more details.
- **Enhanced Viewing Angle**  
Set to On to optimize your viewing angle, and you will enjoy a better watching experience.
- **Colour Space**  
Change the range of colours the TV displays.
- **Instant Game Response**  
Enjoy a low latency experience with external device (e.g, Xbox, PS5) connected to the TV when playing games.  
Set to Auto to identify and enter a low latency experience automatically when switching between game and non game.
- **FreeSync**  
Enjoy a smooth viewing experience by eliminating screen tearing and stuttering when FreeSync is turned on.  
Be sure to set this function only for the external devices that support the AMD Radeon FreeSync feature.

### NOTE

- Some functions above may not be applicable in some models/countries/regions.

### Configuring calibration settings

Press  /  /  button to select  icon, and select **Picture > Calibration Settings**.

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

- **Colour Tune**  
Adjust the Hue, Saturation and Brightness of colour settings.

## Picture and Sound

- **White Balance**

Adjust the intensity of red, green and blue lights to view the true colours of all images in the picture.

- **Gamma**

Adjust the Gamma to alter how the TV will respond to the grayscale content. In a dark room choose a Higher number like 2.4. In a brighter area select a Lower number like 2.0. In general, 2.2 is normally recommended.

- **Gamma Calibration**

Adjust selected Gamma curve.

- **RGB Only**

View images based on default settings or choose the colour red, blue or green.

NOTE

- Some functions above may not be applicable in some models/countries/regions.

### Enabling panel refresh

Press  /  /  button to select  icon, and select **Picture > Panel Refresh**.

Use panel refresh to reduce image retention effects.

NOTE

- This function may not be applicable in some models/countries/regions.

### Enabling low blue light function





Press  /  /  button to select  icon, and select **Picture > Low Blue Light**.

Eye care: reduce the emission of blue light.

NOTE

- This function may not be applicable in some models/countries/regions.

### Applying the current picture settings to other input sources

Press  /  /  button to select  icon, and select **Picture > Apply Picture Settings**.

Apply current picture mode to all sources or just current source.

Sources include both external devices and OTT (Over the Top) sources.

### Resetting the picture settings

Press  /  /  button to select  icon, and select **Picture > Reset**.

Reset current picture settings back to the factory setting.

## Adjusting the Sound Quality

---

### Enabling system sounds

Press  /  /  button to select  icon, and select **Sound > System Sounds**.

Set to On to open the default system sound.

### Choosing a sound mode

Press  /  /  button to select  icon, and select **Sound > Sound Mode**.

You can select a preset sound mode suitable for the content type or the listening environment.

## Picture and Sound

### Selecting speakers

Press  /  /  button to select  icon, and select **Sound > Audio Output**.

Select the speakers that you want to have audio output.

### Enabling eARC

Press  /  /  button to select  icon, and select **Sound > eARC**.

Connect an audio device that supports eARC via HDMI-eARC, and set eARC to On to enjoy premium sound quality.




### Enabling TV speaker

Press  /  /  button to select  icon, and select **Sound > TV Speaker**.

Turn on or off the TV speaker.

If ARC or Bluetooth is selected in Audio Output, configuration here is unavailable.

### Setting sound mode

Press  /  /  button to select  icon, and select **Sound > DTS Height Virtualization/DTS Clear Dialogue/DTS Bass Enhancement/DTS Loudness Control/Subwoofer/Bass Boost/Dolby Atmos/TotalSonics™/TotalSurround™/TotalVolume™/ Wall Mount Setup**.

- **DTS Height Virtualization**  
Experience immersive audio from as few as two channels of audio with virtual height and multi-channel virtual surround.
- **DTS Clear Dialogue**  
Improve dialogue clarity to better hear what is being said, even in dramatic action scenes with sound effects.
- **DTS Bass Enhancement**  
Extend low bass frequency performance of small speakers to deliver a rich listening experience.
- **DTS Loudness Control**  
Automatic control over drastic volume changes while watching TV programmes or movies, providing a more comfortable and consistent volume.
- **Subwoofer**  
Built-in subwoofer switch.
- **Bass Boost**  
Built-in bass adjustment.
- **Dolby Atmos**  
Set Dolby Atmos to On to enhance the richness of sound, and you can enjoy an immersive listening experience.
- **TotalSonics™**  
Optimize overall sound quality by increasing bass, making dialogue clear and natural, and widening the sound field.
- **TotalSurround™**  
Provide surround sound experience with psycho-acoustic processing to place sounds beside, behind, and above the viewer. For best results use with Total Sonics.





## Picture and Sound

- **Total Volume™**  
Maintain consistent loudness levels from wide dynamic range programmes, loud commercials, and channel or input changes.
- **Wall Mount Setup**  
Automatically optimize the sound based on the position of the TV.

### NOTE

- Some functions above may not be applicable in some models/countries/regions.

### Configuring advanced sound settings

Press  /  /  button to select  icon, and select **Sound > Advanced Settings**.  
Tune the audio settings and quality of the TV.

- **Balance**  
Adjust the left and right speaker strength to optimize audio for a specific location.
- **Auto Volume Control**  
Activate to prevent the volume from changing when you switch TV channels.
- **Digital Audio Out**  
Select the digital audio output format that best suits the audio device type.  
**NOTE**
  - When using optical connection, PCM and Dolby Digital are suggested.
  - If your external audio device does not support Dolby or DTS, PCM is suggested.
- **Digital Audio Delay**  
Adjust the digital audio output delay time to sync sound from an external speaker with the images on the TV.  
**NOTE**
  - Digital Audio Out and Digital Audio Delay functions are only applicable when Audio Output is set to ARC or when external audio players are connected via DIGITAL AUDIO OUT jack.
- **Lip Sync**  
Synchronize the displayed image with the audio output.
- **Equalizer**  
Boost the volume at different frequencies.
- **Headphone Mode**  
Change the way how audio is sent through the type of device that's connected to your TV Audio Out port.  
**NOTE**
  - This function may not be applicable in some models/countries/regions.
- **Headphone Volume**  
Independently adjust the volume of audio out devices.  
**NOTE**
  - This function may not be applicable in some models/countries/regions.



## Picture and Sound

### Configuring audio type

Press  /  /  button to select  icon, and select **Sound > Audio Type**.

- **Audio Type**

Select the audio type of programmes.

- **Voiceover Output**

Select the voiceover audio out.

 NOTE

- If the model does not have headphone jack, this function will be hidden.
- This function is not available when Audio Type is Normal.
- This function is not available when Headphone Mode is Headphone Only and headphone is not connected.

- **Voiceover Volume**

Independently adjust the volume of voiceover for visually impaired on digital channels. This function is only available when Audio Type is Visually Impaired.

 NOTE

- Audio Type function may not be applicable in some models/countries/regions.

### Resetting the sound settings

Press  /  /  button to select  icon, and select **Sound > Reset**.

Reset current sound settings to factory mode.

## Using Parental Control

---

Press  /  /  button to select  icon, and select **Parental Control**.

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

- **Locks**

Turning Parental Control On

1. Turn on Locks to enable the Parental Control function.
2. Create PIN window displays. Using the D-pad on your remote, create the password.
3. You will see other Parental Control settings change from a greyed out state to highlighted. When this occurs, begin adding other settings to the **Block Time**, **Channel Block**, **Programme Block**, **Input Block**, **Change PIN** or **Reset** features.

- **Block Time**

Block certain channels, programmes and inputs during certain periods of time.

- **Channel Block**

Block selected channels.

- **Programme Block**

Block programmes by ratings.

- **Input Block**

Block selected inputs.

- **Change PIN**

Change the PIN that you use to access Parental Control.

 **NOTE**

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

- **Reset**

Reset Parental Control back to the factory setting.

## Configuring Device Preferences Settings

---

Press  /  /  button to select  icon, and select **Device Preferences**.

### Date & time

- **Automatic date & time**

Set to On to use network-provided time.

You can also set the current time manually when Off is selected.

- **Set date**

Set the date.

- **Set time**

Set the time.

- **Set time zone**

Select your time zone.

## Accessibility and System

- **Daylight Savings**

Select whether to apply Daylight Savings time to the TV.

 NOTE

- This function may not be applicable in some models/countries/regions.

- **Use 24-hour format**

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

### Language

Adjust the default Language settings for the TV.

### Keyboard

Adjust the default settings for the keyboard.

### Inputs

View the state of devices that connect to the TV: Connected Input and Standby Inputs, and set Consumer Electronic Control (CEC) function.

For more about Consumer Electronic Control (CEC) settings, Please refer to “Connection > Using HDMI&CEC” section in this manual.

### Storage

View the TV storage.

### Home screen

- **Customise channels**

Add or delete the app channel row from the Home screen.

- **Enable video previews**

Enable or disable the video previews.

- **Enable audio previews**

Enable or disable the audio previews.

- **Reorder apps/Reorder games**

Rearrange the Apps screen.

- **Android TV Home/Android TV core services**

See the information of open source software licences.

### Google Assistant

View permissions about accounts and limit the search results.

### Chromecast built-in (Chromecast Android Shell)

Enable your app to stream video and audio to the TV.

### Screen saver

Enable Screen saver when the TV is idle.

# Accessibility and System

## Location

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

## Usage & Diagnostics

Help improve Android performance by automatically sending diagnostics information.

## Security & restrictions

Supervise unknown sources for safety and check installed apps for harmful behaviour.

## Accessibility

Provide menu options and audio description to aid the visually or hearing impaired.

- **High-contrast text**  
Improves contrast for visually impaired.
- **Text to speech**  
Let you specify text-to-speech engine details and speech rate.
- **Services**  
This menu function contains some service applications, you can choose to open if you need it.

## Reset

Reset to clear your personal setup and information.

## About

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

- **System update**  
Provide software updates to continuously enhance your TV and correct any issues that may impact your user experience; therefore, recommend you to keep your TV connected to the Internet to automatically receive updates when they are available.
- **Device name**  
Choose a name for your TV. The name will be shown to devices that are available for sharing data.

## Configuring Advanced System Settings

---

Press  /  /  button to select  icon, and select **Advanced System**.

### Timer

- **Power On Timer Type**  
Set the type Off, Daily, Once.
  - **Power On Timer**  
Set the clock for the time you want the TV to turn on automatically.
-

## Accessibility and System

- **Power Off Timer Type**  
Set the type Off, Daily, Once.
- **Power Off Timer**  
Set the clock for the time you want the TV to turn off automatically.

### Power

- **Sleep Timer**  
Set the sleep timer to automatically turn the TV off within a specified time: Off, 10 Minutes, 20 Minutes, 30 Minutes, 40 Minutes, 50 Minutes, 60 Minutes, 90 Minutes and 120 Minutes.
- **Power On Mode**  
TV will be powered on based on the mode when TV is reconnected with AC power.
- **Auto Sleep**  
Set the amount of time that you'd like your TV to automatically power off without any activity: Off, 3H, 4H.  
 NOTE
  - This function may not be applicable in some models/countries/regions.

### Power LED

Set the Power Indicator light to stay On or Off when standby mode.

### Store Mode

When selecting Store Mode to On, the TV will be on display in a retail setting, and E-Streamer and other demo functions are effected.

#### NOTE

- Enabling Store Mode could increase energy consumption.

### Support

- **HbbTV**  
Enable or disable HbbTV functionality for all channel. (Only available for digital channels.)  
 NOTE
  - This function may not be applicable in some models/countries/regions.
- **Do Not Track**  
Tell websites and some applications your tracking preference.  
 NOTE
  - This function may not be applicable in some models/countries/regions.
- **Setup Wizard (Setup assistant)**  
Use the Setup assistant for instructions to help you set up your TV.
- **Send Diagnostics and Usage Information**  
Allow to send the diagnostics and usage of the report.
- **Screenless Mode (only for models with far-fielded Google Assistant)**  
Talk to the Google Assistant even when the screen is off.  
In Screenless Mode, the Google Assistant is always available to help even when the screen is not on. Just say "OK Google".  
This feature will affect standby power consumption when it is set to On.

## Accessibility and System

### NOTE

- The far-field Google Assistant and some of its features are only available in selected countries, regions and languages.

### • Remote Control Service

Remote Control Service features enable your TV to be controlled from the client server to let after-sales diagnose the problem of your TV and dealing with the problem online efficiently.

To use this function:

1. Turn on **Remote Control Service**.
2. You can initiate a help request to call centres by hotline and provide PIN to the client server centre.

### NOTE

- This function may not be applicable in some models/countries/regions.
- Keep the network connected when the Remote Control Service is running.

### • E-Manual

View the embedded E-Manual. Please refer to “E-Manual” section for more information.

### Mobile Device Connection Tips

Follow the on-screen instructions to learn more about the Screen Sharing and the Content Sharing.

### Mobile App Installation

Scan the Mobile App download QR code on screen to install the app on your smartphone to control your TV.

For more about RemoteNOW Download settings, please refer to “Smart Functions > Installing Mobile App to control your TV” section in this manual.

### Clear Cache

Clear cache of applications and system.

### Help

### • System Message

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

### NOTE

- Serial Number may not be displayed depending on models/countries/regions.

### • Signal Diagnosis

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

### NOTE

- This function may be called Signal information in some countries/regions.

# Troubleshooting

## Picture Problem

When the TV has a picture problem, please review the list of problems and solutions below.

Problem	Possible Solutions
No picture, or black and white picture.	<ul style="list-style-type: none"><li>• Unplug TV from AC outlet and re-plug after 60 seconds.</li><li>• Check that the Saturation is set to 50 or higher.</li><li>• Try different TV channels.</li></ul>
The picture is distorted.	<ul style="list-style-type: none"><li>• The compression of video content may cause picture distortions, especially in fast moving pictures from sports programmes and action movies.</li><li>• If the signal reception is weak or poor, screen distortion may be visible but it is not a malfunction.</li><li>• Mobile phones used close to the TV (within 1 m) may cause noise on analogue and digital channels.</li></ul>

### NOTE

- If the problem persists, check the signal strength or refer to the external device's user manual.


## Sound Problem

When the TV has a sound problem, these solutions may help resolve the problem.

Problem	Possible Solutions
There is no sound or the sound is too low at maximum volume.	<ul style="list-style-type: none"><li>• Check the volume control of the device (cable or satellite box, DVD, Blu-ray, etc.) connected to your TV.</li></ul>
Picture is normal, but no sound.	<ul style="list-style-type: none"><li>• Check the volume settings.</li><li>• Check if 'Mute' mode is set to on.</li></ul>
The speakers are making an odd sound.	<ul style="list-style-type: none"><li>• Make sure that the audio cable is connected to the correct audio output connector on the external device.</li><li>• For antenna or cable connections, check the signal information.</li><li>• A low signal level may cause sound distortions.</li></ul>

## Picture and Sound Problem

When the TV has a sound and picture problem, these solutions may help resolve the problem.

Problem	Possible Solutions
No sound and picture.	<ul style="list-style-type: none"><li>• Check if the power cord is plugged into a powered AC outlet.</li><li>• Check to see if the LED light is on or not. If it is, then the TV is receiving power.</li><li>• Press the  button on the remote control to activate the unit from Standby.</li></ul>
I have connected an external device to my TV but I get no picture and/or sound.	<ul style="list-style-type: none"><li>• Check whether the connection between the external device and your TV is correct.</li><li>• Make sure you have made the correct selection of input source.</li></ul>

## Troubleshooting

Sound and picture distorted or appear wavy.	<ul style="list-style-type: none"><li>• Some electrical appliances may affect TV set. If you turn off the appliance and the interference goes away, then move it further away from TV.</li><li>• Insert the power plug of the TV set into another power outlet.</li></ul>
Sound and picture is blurry or cuts out momentarily.	<ul style="list-style-type: none"><li>• If you use an external antenna, check the direction, position and connection of the antenna.</li><li>• Adjust the direction of your antenna or reset or fine tune the channel.</li></ul>

### Internet Problem

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

Problem	Possible Solutions
The TV cannot connect to your network or apps.	<ul style="list-style-type: none"><li>• Make sure the TV has a network connection.</li><li>• Contact your Internet service provider.</li></ul>
The wireless network connection failed.	<ul style="list-style-type: none"><li>• Make sure your wireless modem/router is on and is connected to the Internet.</li></ul>
The wireless network signal is too weak.	<ul style="list-style-type: none"><li>• Position your wireless router, modem router, or access point in a central location. Avoid putting it at a corner.</li></ul>

### Recording/Timeshift Function Isn't Working

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

Problem	Possible Solutions
Schedule Recording cannot be used.	<ul style="list-style-type: none"><li>• Check if there is a USB device connected to the TV.</li><li>• Recording will automatically stop if the signal becomes too weak.</li><li>• Check the free space of the USB device. The function will not work if there isn't enough storage space on the USB device.</li></ul>

#### NOTE

- The Recording/Timeshift functions may not be applicable in certain models/countries/regions.

### My File Won't Play

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

Problem	Possible Solutions
Some files can't be played.	<ul style="list-style-type: none"><li>• This problem may occur with high-bitrate files. Most files can be played back, but you might experience problems with high-bitrate files.</li></ul>



# Troubleshooting

## Other Issues

Use these procedures to resolve other issues that may occur.

Problem	Possible Solutions
The TV is hot.	Watching TV for an extended period of time causes the panel to generate heat. The heat from the panel is dissipated through internal vents running along the top of the TV. After extended use, you may feel hot when touching it. This heat, however, is not a defect and does not affect the TV's functionality.
The TV smells of plastic.	This smell is normal and will dissipate over time.
The plastic cabinet makes a "clicking" type of sound.	The "clicking" sound can be caused when the temperature of the TV changes. This change causes the TV cabinet to expand or contract, which makes the sound. This is normal and the TV is OK.