

TCL

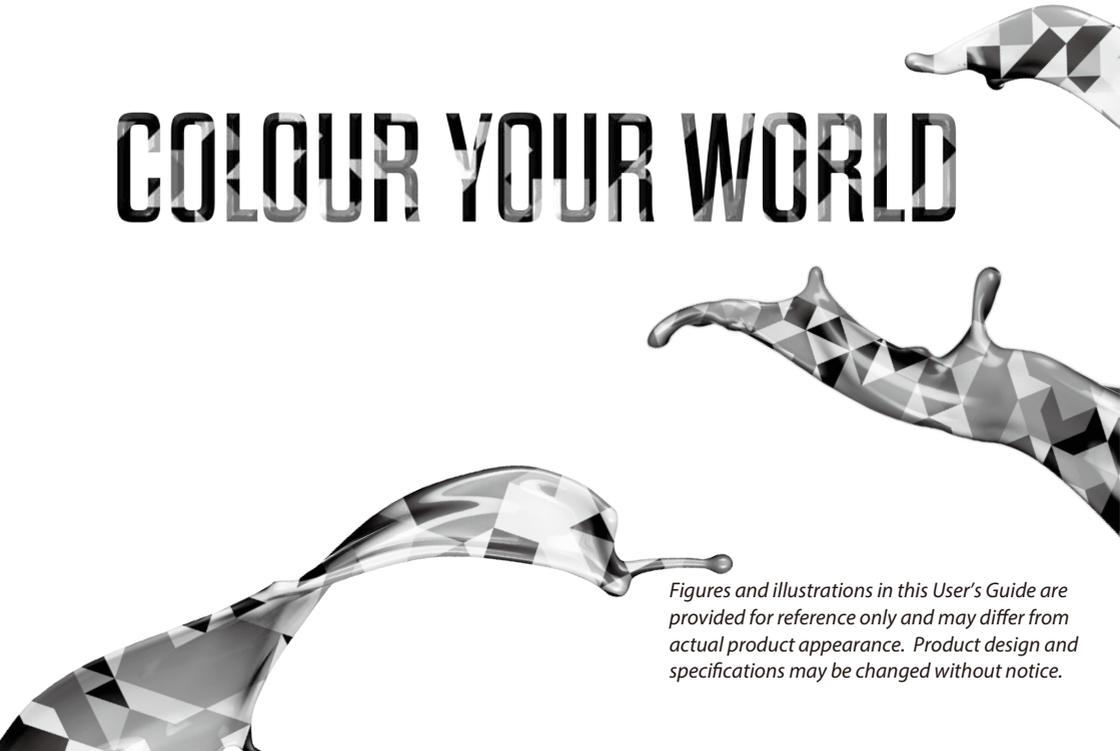
The Creative Life

LED TV

OPERATION MANUAL

For use with models: E5900 series/C1 series

COLOUR YOUR WORLD



Figures and illustrations in this User's Guide are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

Table of Contents

Chapter 1: Safety Information

Precautions	3
Product	3
Power and Plug	3
Power Cord and Signal Cable	3
Use Environment	3
Cleaning	3
Hanging the TV Set on the Wall	3
Important Information	3

Chapter 2: Connections and Setup

TV Controller	4
Sockets	5
Remote Control Functions	6
Network Connection	8
Switching on	9
Switching off	9
Initial Set-up	10

Chapter 3: Homepage

Using Homepage-TV	11
Using Homepage-APPS	12

Chapter 4: Menu Operation

Using Quick Access Menu	13
Picture Preset	13
Sound Preset	13
Picture Freeze	13
Football mode	13
T-Link.....	13
Timeshift	13
PVR	13
Schedule List	14
WiFi TV link	14
Settings	14
Using System Settings	14
Picture	15
Sound	15
Channel	15
Network	16
System	18

Chapter 5: Advanced Functions

Using E-Manual(Help)	20
Using MHL Function(Mobile High-definition Link)	20
Viewing photos, playing music and watching videos from a USB device	20

Chapter 6: Other Information

Problems and Solutions	22
Troubleshooting	23
Legal Statement	24
Licence	24

Precautions

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

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 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 mark the TV screen.
- Do not impact the TV screen with hard pressure as this may damage the TV screen severely.
- The appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.

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.

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. Protect the set from overheating.
- Keep the set away from direct sunlight.
- The apparatus shall not be exposed 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 cleaners 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. Wall Mount Bracket not included. (Note: Certain TV models are not designed to be mounted to the walls.)

Important Information

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

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

Note: Graphics contained within this publication are for presentation only.

TV Controller

TV Controller is a multi directional button that helps navigate without remote control. For some models, there's only one TV button--TV Controller.

Note: *The product colour and shape may vary depending on the model.*

1. 

Turns the TV on by pressing the Controller when the TV is in standby mode.

In the menu system, press and release it within 2 seconds, it acts like **OK** button on the remote to confirm your selection.

When the power is on, press and hold the TV Controller more than 2 seconds and then release, the NAV menu will display on the screen;

The NAV menu is a shortcut to **Homepage**, **Settings menu**, **Source**, **Power** and **Return**.

The NAV menu will disappear after several seconds without operation.

2. 

Scans up/down through the channel list. In the menu system, they act like the UP/DOWN direction buttons on the remote and adjust menu controls.

3. 

Adjusts the volume by moving the Controller left and right. In the menu system, they act like the RIGHT/LEFT direction buttons on the remote and adjust menu controls.



NAV menu on TV Screen



TV Controller

Connections and Setup

Sockets

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

USB 3.0 or
USB 2.0 or
USB 2.0/SERVICE



USB 3.0 or 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.

HDMI 1 (MHL) or
HDMI 2 or
HDMI 3 or
HDMI 4 (ARC)



HDMI1 (MHL) or HDMI2 or HDMI3 or HDMI4 (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.

Note: Only HDMI sockets with the MHL identification will support the MHL function, MHL stands for Mobile High-definition Link, and allows you to link an MHL capable mobile device to the television.

COMPONENT
IN



CMP IN (YPbPr) adapter socket (input)

The CMP adapter socket can be used to connect the attached CMP adapter cable with YPbPr component sockets. These YPbPr sockets can be used to connect a device that has component video sockets, such as a DVD player. The component sockets can recognize if the device you're connecting to is Y Pb Pr compatible. The component sockets provide excellent picture quality because the video is separated into three independent parts.

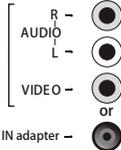
COMPONENT
AUDIO IN



CMP AUDIO IN adapter sockets (input)

The CMP AUDIO IN adapter socket can be used to connect the attached AUDIO IN adapter cable with audio L & R sockets, and be used to obtain sound. These AUDIO IN L & R sockets can be used to connect a range of equipment, including video recorders, camcorders, satellite receivers, DVD players, or games consoles.

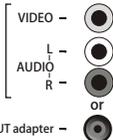
AV IN



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.

AV OUT



AV OUT adapter (output) socket

The AV OUT adapter socket can be used to connect the attached AV adapter cable with VIDEO and AUDIO L & R OUT sockets. These AV out sockets can be used to connect a VCR to record programmes. You must leave the TV on the same channel you are recording. The VIDEO OUT socket provides composite video connection.

ANTENNA IN



ANTENNA IN socket (input)

This socket can be used to connect the outside aerial or cable network.

LAN



LAN

RJ45 plug for connecting to external modem or network access equipment.

OR HEADPHONE



Headphone socket (output)

This socket can be used to connect headphones or stereo earphones.

Warning: Excessive sound pressure from earphones and headphones can cause hearing loss.

SPDIF



SPDIF socket (output)

The SPDIF socket can be used to connect a compatible digital audio receiver.

Connections and Setup

Remote Control Functions

Most of your television's functions are available via the menus that appear on the screen. The remote control 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.



-  Standby / quit standby.
- NETFLIX** To access the NETFLIX application. (Not available for some models.)
- TV** To access TV mode.
- 0-9** To enter channel numbers; to enter a letter, a digit or a symbol in some functions.
- ECO** To select a desired energy saving mode.
- SOURCE** To select connected devices.
- V+/-** To control the volume.
-  To switch the sound off and back on.
-  To display programme information, if available.
- P+/-** To change channels.
-  To display the Settings menu.
-  To access the Smart TV portal.
- GUIDE** To toggle the Electronic Programme Guide on or off (only available for digital channels).
-  To access the Option menu.
-  To navigate through the menus; to select menu options.
-  To navigate through the menus; to select menu options and change values.
- OK** To confirm an entry or selection.
-  To return to the previous menu.
- EXIT** To exit the menu, homepage or Teletext, etc.
- ZOOM+/-** To select the screen mode.
- LIST** To display the channel list.
- SLEEP** To select the sleep timer options.
- PRE-CH** To return to the previous channel in TV mode.
- FAV** To bring up your favourite channel list.
-  Recording button. (only available for some models and digital channels.)
- Colour buttons** To select tasks or Teletext pages; to be used for HbbTV function.
-  **LANG** To select a sound type available for selected analogue TV programme; to select an audio language available for selected digital TV programme.
- SUBTITLE** To select a subtitle language available for selected digital TV programme.
- TEXT** To toggle Teletext on or off.
-  To select the previous picture, music or video.
-  To stop playback.
-  To start playback.
-  To select the next picture, music or video.
-  To start fast reverse.
-  To pause playback.
-  To start fast forward.

Note: The remote control type may be changed without notice.

Connections and Setup



-  To switch the sound off and back on.
-  Standby / quit standby.
-  To control the volume.
-  To access digit buttons.
-  To change channels.
-  To access the homepage.
-  To navigate through the menus; to select menu options.
-  To select connected devices.
-  To navigate through the menus; to select menu options and change values.
- OK** To confirm an entry or selection.
-  To return to the previous menu.
-  To display the function menu to perform certain operations; to display the Teletext page in different modes.
- NETFLIX** To access the NETFLIX application. (Not available for some models.)
- YouTube** To access the YouTube App.
- Media Center** To access a storage device.

Note: This remote control is available only for selected models.
The remote control type may be changed without notice.

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 from your internet service provider.

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

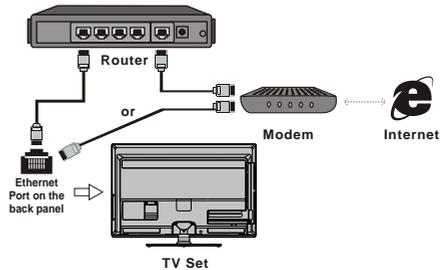
- Wired, using the RJ45 (LAN) connector on the back panel.
- Wireless, using the internal wireless or external wireless USB adapter and your home wireless network.

Note: The following instructions 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 (Internet Service Provider).

Connecting to a wired network

To connect to a wired network:

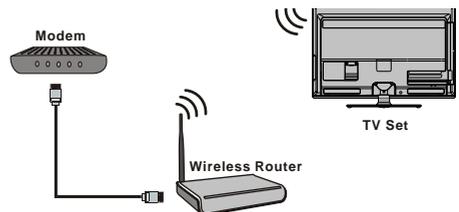
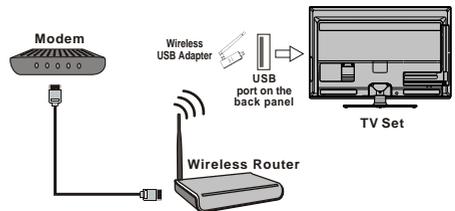
1. Ensure you have:
 - An ethernet cable long enough to reach your TV
 - A router or modem with an available Ethernet port
 - A high-speed internet connection
 - An **Ethernet (LAN) port** on the back of the TV
2. Connect your ethernet cable to the router and to the **Ethernet port** on the back of the TV.
3. Use the **Network Settings** 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
 - A wireless USB Adapter (not needed if your TV has a built-in wireless Adapter).
2. Remember to connect your wireless USB Adapter to your TV's USB port.
3. Use the **Network Settings** to configure the TV.



Note:

For models with a built-in wireless adaptor, the USB wireless adaptor is not required. Not all wireless adaptors are compatible with this TV.

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 similar, 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.

2. Connect the power cable to a mains socket. (If the power cable is not connected to the television, please first connect the power cable to the television.) 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.

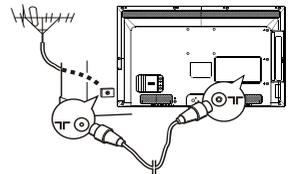
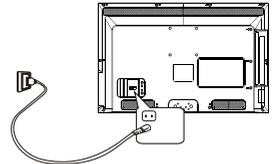
Note: The figures are for representation only. The location of the power socket at the back of the television might differ depending on the model.

3. Connect the outside aerial or cable network 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 with a modulator (video recorder, satellite receiver, etc.). We recommend that you do not connect other equipment (video recorder, satellite receiver, etc.) to your TV set to begin with, so as not to complicate the set-up procedure with the additional steps involved. Connect them when you have finished setting up the channels.

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

Note: The location and name of the power button on the TV may vary according to TV model.



Switching off

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

To switch off the TV set, disconnect the mains plug from the mains outlet.

Connections and Setup

Initial Setup

Perform the following steps before you press  on the remote control.

- Insert the batteries into the remote control.
- Connect the antenna cable to the TV.
- Plug in the AC cord to the AC outlet.
- Connect your TV to a network.

Make sure that the television is switched on and follow all the steps in turn specified hereafter.

The first time you switch the set on, the Initial setup wizard opens, which guides you through the initial setup process. Press **OK** to start your initial setup. (Refer to Figure 1.)

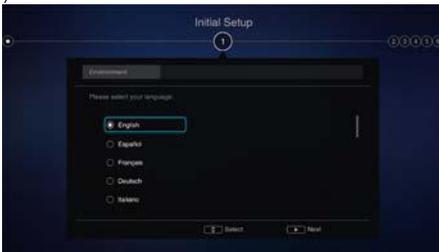


Figure 1

Step 1: Environment

1. Press **▲/▼** to select your language, then press **OK/▶** to enter the next step.
2. Press **▲/▼** to select your country, then press **OK/▶** to enter the next step.

*Note: If you select **France** or **Italy**, you will have to enter the password setting menu here to set a password. Use the numeric buttons to enter a four-digit number as your password. (0000 is too simple to be set as your password.) Enter the same code again to confirm the password. After that, you will enter the next step automatically. (In this step, you can only press **◀** to return to the previous step.)*

3. Press **▲/▼** to select your location, then press **OK/▶** to enter the next step.

Step 2: Network Setup

1. Press **▲/▼** to select your network connection type (**Wired** or **Wireless**), then press **OK/▶** to enter the next step.
2. Follow the guides on the screen and press the corresponding buttons on the remote control to proceed.

*Note: You can also skip this step and step 3 by selecting **"I do not have a network connection"**, and connect to the Internet later. For details please refer to section **Network Connection**.*

Step 3: Software Update

1. If the set has connected to the network successfully, it will search for upgrade files automatically.
2. Follow the guides on the screen and press the corresponding buttons on the remote control to proceed.

Step 4: Channel Installation

1. Press **▲/▼** to select **Continue** to install channels.
2. Follow the guides on the screen and press the corresponding buttons on the remote control to proceed.

*Note: To prevent the channel installation process from being interrupted, wait for the message indicating that the installation is complete. You can also skip this step by selecting **"I don't want to install channels"**. In this case, to search and store your channels you may do an automatic channel search by following the instructions in the next section **Performing an automatic channel search**.*

Step 5: Clock

If the set was not connected to the network, you can use the numeric buttons to enter the date and time, then select the **OK** button and press **OK** to confirm.

When the initial setup is completed, the **Congratulations** message appears. Press **OK** to confirm.

Performing an automatic channel search

This section describes how to search and store channels automatically. This may be done in any of the cases below:

- you have selected **"I don't want to install channels"** in the initial setup;
- you see **"No program info now, please search channels first!"** in TV mode;
- you want to update your channels.

1. In TV mode, press  or  on the remote control and select **Settings > Channel > Channel scan**. Press **OK/▶** to enter.
2. The TV installs and arranges channels according to your country. Press **▲/▼** to select **Country**, and press **OK/▶** to enter. Enter the default password 1234 or your own password 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 **Tuner mode**, then press **OK/▶** to enter.
 - Press **▲/▼** to select **Automatic search**, then press **OK/▶** to enter.
 - Press **▲/▼** to select **Channel type (Digital & Analogue, Digital or Analogue)**, then press **OK** to start the automatic search for all DVB-T digital and/or analogue channels.
4. The channel search may take a few minutes. During the process, you can press **OK** to stop the search halfway.
5. After the automatic search, channels are arranged in a preset order. If you wish to skip channels, modify the preset order, rename or delete channels, press  or .

Note: Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. And for some models, certain options are not available.

Press  on the remote control to display HomePage. Press  to select icons from the screen list. Press **OK** to enter each option. To exit the menu, press  or **EXIT**.

Homepage contains 2 parts: **TV** and **APPS**. Use  to switch among them.

WARNING:

- Configure the network settings before using Smart TV, Guide and apps.
- 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 contents 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.

Using Homepage- TV

Note: Some options may not be available for certain signal sources. some options may appear in the next page, you can press  to switch.

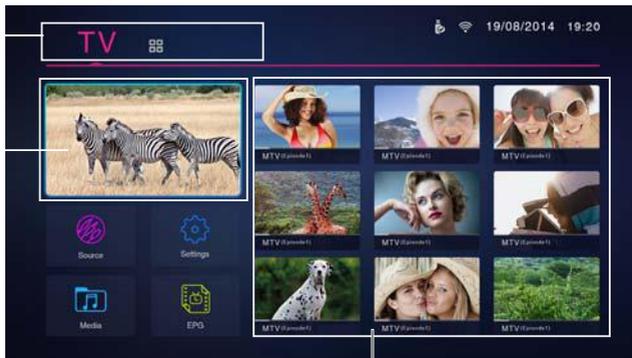
This section explores the menus of your TV.

Press  on the remote control to display HomePage. Press  to enter TV page and select icons from the screen list. Press **OK** to enter each option. To exit the menu, press  or **EXIT**.

TV/ APPS:

Use  to focus on each item.

TV window



Recommendation

TV window

Displays the current selected TV broadcast programme.

Recommendation

There is information of current broadcasting programmes from nine digital channels shown on the right. Pressing **OK** would directly go to the corresponding channel. These nine digital channels depend on how you set favourite channels. We recommend that you include 9 digital channels in your favourite channel list so that they can be shown here for your convenience.

When TV is not connected to network, there is no information of current broadcasting programme on the right but only the default pictures are displayed. Select a picture and press **OK**, then [**Full functions are available only after network connection.**] will pop up. When you highlight [**Connect**] and press **OK**, it goes to the network setup interface directly.

Source

Select the input source from devices connected to TV through different ports. including **TV, AV, CMP, HDMI1, HDMI2, HDMI3** and **HDMI4**. Press  to select your desired source, and then press **OK** to confirm.

Note: The available source might differ depending on the model.

Settings

You can do the settings including **Picture, Sound, Channel, Network** and **System**. For details, please refer to introduction of Using System Settings in the Menu Operation chapter.

Media

A wonderful multimedia player. It allows you to enjoy the videos, pictures and music in the storage device (SD card or U-disk, according to configuration of the model.).

EPG

Electronic Programme Guide is an on-screen guide that displays scheduled TV programmes. You can navigate, select, view and record programmes.

Note: When **Settings > Network > GuideON** is set **On**, it runs **IP EPG** when the network is connected, and runs **DTV EPG** if the network is not connected. When **Settings > Network > GuideON** is set **Off**, it runs **DTV EPG** no matter the network is connected or not.

General operations & instructions:

1. Select **EPG** icon on Homepage-TV interface, and press **OK** to enter, or press **GUIDE** on the remote control directly to enter, the **Program Guide** menu will appear, which allows you to get information about the current or next programme playing on each channel.
2. Navigate through the different items using the navigation buttons on the remote control and operate according to the on-screen instructions.
3. Press **↶** to exit the Guide and switch to the selected channel/programme.

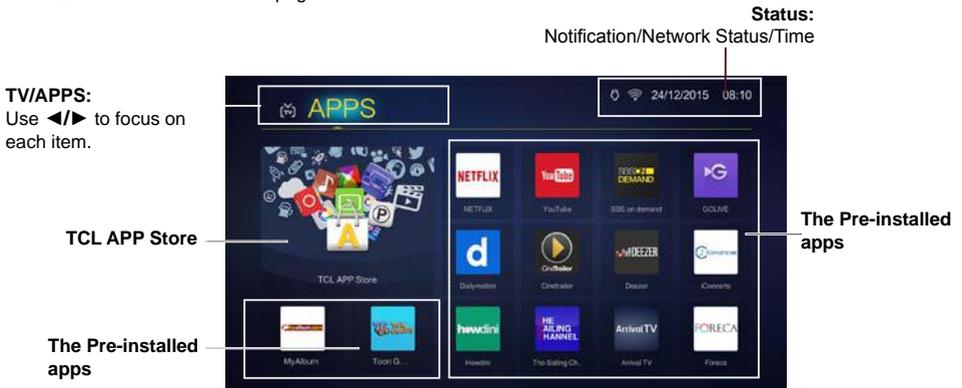
Using Homepage- APPS

To access the menu system:

1. Press **⬆** to display the homepage.
2. Press **⬅/➡** to move to **APPS** interface. Press **▲/▼/◀/▶** to select the desired item, then press **OK** to open it or enter the corresponding submenu.

Note: The pre-installed apps or items can not be deleted. And the apps (regardless of order) listed in the below figure may differ from actual product. For some models, certain apps are not available.

3. Press **EXIT** to return to the homepage.



TCL APP Store: After entering the APP store, you will see the recommendations. Press **▲/▼/◀/▶** to select, press **OK** to enter. The buttons on the bottom, such as **"Login"**, **"Settings"**, **"Help"** can provide convenient operations.

The Pre-installed apps: These are recommended Apps. Highlight an app and press **OK** to open it.

Note: The pre-installed apps or items can not be deleted. You may need a webcam to use some of the Apps. The webcam is an optional accessory, and is available by purchase separately. Only use the specified webcam. Some external devices like webcam, smartphone, joystick and external wireless adapter may not be supported.

Using Quick Access Menu

Note: Some of the functions might be unavailable in certain sources. And for some models, certain options are not available.

This section explores the menus and settings of your TV. Each menu is outlined and detailed to help you get the most from your TV. To access the menu system:

1. In TV mode, press **≡** on the remote control to display the quick access list.
2. Press **▲/▼** to select the desired item, then press **OK/▶** to open the corresponding submenu.
3. In submenu, use **▲/▼** to select menu options, Use **OK/▶** to open the corresponding submenu. use **◀/▶** to make the adjustments.
4. Press **↶** to return to the previous menu or press **≡** /EXIT to close the menu.

The quick access list includes below items, they are **Picture preset, Sound preset, Picture freeze, Football mode, T-Link, TimeShift, PVR, Schedule list, WIFI TV link and Settings.**

Picture preset

Press **OK/▶** to display its submenus:

Use **◀/▶** to scroll through the picture preset settings:

Standard, Dynamic, Stadium, Movie, Digital Cinema and Personal. And then press **OK** to confirm the selection.

Note: for some models, certain options are not available.

Sound preset

Press **OK/▶** to display its submenus:

Use **◀/▶** to scroll through the sound preset settings:

Music, Movie, Stadium, Standard, Personal and Normal. And then press **OK** to confirm the selection.

Picture freeze

Press **OK/▶** to display its submenus, and use **◀/▶** to toggle between **On** and **Off**. When **On** is selected, the display screen will be frozen.

Football mode

Press **OK/▶** to display its submenus, and use **◀/▶** to toggle between **On** and **Off**. When **On** is selected, the **Picture preset** and **Sound preset** will be showed Stadium.

T-Link

Use this function to search for CEC devices connected to the HDMI sockets in your TV.

Enable or disable T-Link

Press **OK/▶** to display its submenus, and use **◀/▶** to select **On** or **Off** to enable or disable T-Link.

***Note:** Below T-Link setting options and **Guide menu** options will be available only when **T-Link** is set to **On**.

Auto power on: Use **◀/▶** to toggle between **On** and **Off**. When Auto Power on is set to **On**, TV and device

will be on at the same time.

Auto standby: Use **◀/▶** to toggle between **On** and **Off**. When Auto Standby on is set to **On**, TV and device will be in standby mode at the same time.

Guide menu: Press **OK/▶** to enter. You will find an on-screen guide map of the remote control about the shortcut to operate the playback, for example, Numeric button 2 works as **PAUSE**.

***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.

Timeshift

Note: This Option is only available when Time Shift is set to **On**: Select **Settings> Channel> Timeshift**, press **OK/▶** to enter and use **▲/▼** to set Time Shift to **On** or **Off**.

Allows you to pause, fast forward and rewind live TV, so you don't have to miss any part of your favourite programmes. 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 **≡** on the remote control and select **Timeshift**, then press **OK** to confirm.
2. Follow the directions on the screen to do the setup.
3. After the disk setup is done, press **≡** and select **Timeshift**.

4. Press **OK** to display the time shift menu and operate according to the on-screen prompt.

5. Pressing **Stop** 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:

- 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 Timeshift:

Insert a USB disk, press **PLAY(▶)** on the remote control, it will access Time Shift automatically.

PVR (Personal Video Recorder)

Allows you to record your favourite TV programmes.

Before you use the function, 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 \equiv on the remote control to check if the feature is available in your product.

1. Press \equiv on the remote control and select **PVR**.
2. Press **OK/▶** to enter. It starts to record automatically.
3. Press \equiv on the remote control and use $\blacktriangle/\blacktriangledown/\blacktriangleleft/\blacktriangleright$ to adjust the recording duration.
4. Press **OK** to stop recording manually, the recorded file will be saved. In normal operation, the recording will stop automatically when the recording duration expires.
5. In recording, the PVR mini pane will also show on the screen to indicate the recording progress.
6. To watch the recorded programme, exit PVR mode first and go to $\uparrow >$ **Media**. Select the folder **PVR**, then select the related record file. Press **OK** to play. (It is the same if you record a digital radio programme).

Notes:

- This feature is available only for digital non encrypted channels. Even when **CICAM (CI or CI+)** is inserted, this feature is not available on 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.
- The bigger the USB drive free memory for the PVR function, the bigger the recording length.
- If you want to change channel or signal source during recording, store the recording data before changing the channel or source.
- 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.

Schedule list

This function is used to perform scheduled recording.

1. Press \equiv on the remote control and select **Schedule list**.
2. Press **OK/▶** to display the schedule list.
Press the red button to add a schedule.
Press the green button to delete a selected schedule
Press **OK** to edit a selected schedule.
 - **Add schedule:** Press the red button to add a schedule into your schedule list.
 - **Channel number:** use $\blacktriangleleft/\blacktriangleright$ to select the desired channel.
 - **Start date:** use the numeric buttons to set the start date.
 - **Start time:** use the numeric buttons to set the start time.
 - **End time:** use the numeric buttons to set the end time.
 - **Schedule type:** use $\blacktriangleleft/\blacktriangleright$ to select the available schedule type.

- Select **Reminder** to be reminded that you can switch to the scheduled programme when the time you have set comes.
- Select **Record** (if available) if you want to start your scheduled recording when the time you have set comes. When time is out and you do not execute any operation, scheduled recording will start automatically.
 - **Repeat type:** use $\blacktriangleleft/\blacktriangleright$ to select different repeat mode for the schedule.
 - Press $\blacktriangle/\blacktriangledown$ to select **Add schedule**, and press **OK** to confirm.
 - Press **EXIT** to close the menu.

WiFi TV link

(*not available for some models)

WiFi TV link allows you to share screen and sound of your device such as a smartphone or a tablet to your TV, wirelessly (i.e. without cables). This makes it possible to view on your TV, at the same time, what your smartphone or tablet is showing. For example, you can launch a video on your smartphone and display it simultaneously on your TV, or use your tablet as game controller with content displayed on the big screen of your TV.

Whenever you want to use WiFi TV link, you must first activate this function in your TV. To do it follow the steps below:

1. Press **OK/▶** to enter. You will see details for this function.
2. Find the WiFi TV link function in your device. Different devices may have different names for this function.
3. Then click the "connection" function on the device. If connected successfully, you will see on your TV screen what the device is showing.

Note: TCL does not guarantee that the use of the WiFi TV link function will be smooth or error-free since not all devices are compatible with the WiFi TV link function.

Settings

The Settings menu allows you to configure the TV with your preferences. For details, please refer to the following **Using System Settings** part.

Using System Settings

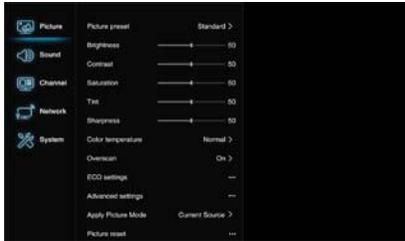
The Settings menu allows you to configure the TV with your preferences.

1. press \uparrow on the remote control to display the homepage.
2. Press $\blacktriangle/\blacktriangledown/\blacktriangleleft/\blacktriangleright$ to select **Settings** and press **OK** to enter the main menu. The list includes below items, they are **Picture, Sound, Channel, Network and System**.

*Note: You can also press \equiv on the remote control, select **Settings** (if available) and press **OK/▶***

Menu Operation

to enter the main menu. Some options may not be available for certain signal sources.



Picture

The menus for adjusting the picture are used to obtain the best picture settings according to your preference, the type of programme you are watching and the ambient lighting.

Select **Settings > Picture**, Press **OK/▶** to enter and use **▲/▼** to choose an option.

Note: Some options may not be available for certain modes. Some options may appear in the next page of the **Picture** menu, you can press **▲/▼** to switch.

Picture preset: Use **◀/▶** to scroll through the picture preset settings: **Standard, Dynamic, Stadium, Movie, Digital Cinema and Personal.**

Backlight: Adjusts the backlight levels.

Brightness: Adjusts the brightness of the picture.

Contrast: adjusts the difference between light and dark areas of the picture.

Saturation: Adjusts the richness of colour.

Tint: Adjusts the balance between the red and green levels.

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

Colour temperature: Adjusts the colour temperature of the picture. Use **◀/▶** to scroll through the colour settings: **Cool, Normal, Warm, Warm2 and Custom.**

Auto format: Use **◀/▶** to select **On** and **Off**, when **On** is selected, the TV will display the picture according to HD Signal's format.

Note: **Auto format** is available only in TV and HDMI mode.

Screen mode: Use **◀/▶** to select the picture size.

Note: You are recommended to use the full screen mode. Do not use the display mode with black bars on both sides of the picture (such as 4:3) for a long time, otherwise the TV screen may be damaged permanently. This function is only available when **Auto format** is off.

OverScan: Set OverScan function to **On** or **Off**.

ECO settings: Press **OK/▶** to display its submenu.

Energy saving: Press **◀/▶** to select the desired power saving mode, **Off, Low, High.**

Mix dimming: Press **◀/▶** to select **On** or **Off**.

Note: For some models, this option is not available.

Advanced settings: Press **OK/▶** to display its submenu. Use **▲/▼** to select the items, such as **Noise reduction**, to adjust for obtaining a clearer picture.

Note: The options offered depend on the programme you are watching.

Apply Picture Mode: Use **◀/▶** to select **Current Source** or **All source**.

Picture reset: Select to reset the picture settings to the factory default.

Sound

Select **Settings > Sound**, Press **OK/▶** to enter and use **▲/▼** to choose an option.

Note: Some options may not be available for certain signal sources.

Sound preset: Press **OK/▶** to display the option list. Use **▲/▼** to select a sound type.

Digital Audio Output Type: Press **OK/▶** to display the option list. Select a proper sound type from the list for digital programmes.

- If the current programme outputs sound in **Auto** format, then either **PCM** or **Auto** can be selected.

- If the current programme does not output sound in **Auto** format, only **PCM** can be selected.

Otherwise no sound will be output.

Note: The options you may choose depend on the programme you are watching. If you select **PCM** and the sound output is ahead of the picture, you can select **SPDIF delay** from the **Sound** menu and press **◀/▶** to adjust the delay time to synchronize the sound with the picture.

SPDIF delay: If the sound output does not match the picture, press **◀/▶** to adjust the delay time to synchronize the sound with the picture

Audio delay: press **◀/▶** to adjust the synchronization between audio and image.

TV placement: Use **▲/▼** to balance the sound between **Desk top** and **Wall mount**.

Dolby professional setting: Press **OK/▶** to display the option list. Use **▲/▼** to select a list.

Advanced settings: Press **OK/▶** to display its submenu. Use **▲/▼** to select the items, such as **Balance**, to obtain a better sound.

Note: The options offered depend on the programme you are watching.

Channel

Select **Settings > Channel**, Press **OK/▶** to enter and use **▲/▼** to choose an option..

Channel scan: Press **OK/▶** to display channel scan options.

Country: Press **▲/▼** to select your country.

Tuner Mode: Antenna

Menu Operation

Automatic search: Select **Digital & Analogue** (or **Digital** or **Analogue**), then press **OK/▶** to start the automatic search process. The search may take a few minutes. During the process, you can press **OK** to abort halfway.

Automatic update: This allows you to update all available channels without altering the sorting of existing channels. Press **OK** to start to update the channels. During the process, you can press **OK** to abort halfway, or press **↶** to return.

Analogue manual scan: Press **OK** to enter. Press **▲/▼/◀/▶** and number or **OK** to search, fine tune or store the channel.

Antenna manual installation: Allows you to start manual searching the available channels from the current frequency or any frequency you input.(Only for digital channels). Press **OK** to start search from the current frequency, or use digit keys to input a frequency, then press **OK** to start search. During the process, you can press **OK** to abort halfway and press **OK** to restart, or press **↶** to return.

Clean channel list: Allows you to remove all the searched channels from the channel list.

Channel list: Press **OK/▶** to display channel list.

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

Note: *EPG is only available for digital channels.*

Organiser: You can skip channels, sort channels, edit channels, or delete channels, Press **OK/▶** to enter.

Channel skip: If a channel is stored twice or its reception is poor, you can simply skip it. The skipped channels will no longer be selected. Press **OK/▶** to display **Channel skip** menu. Press **▲/▼** to select a channel and press **OK** to check the box.

Channel sort: Press **OK/▶** to enter. Press **▲/▼** to select **Channel swap** or **Channel insert**, then press **OK** to enter.

Channel edit: Press **OK/▶** to display Channel list. Press **▲/▼** to select a channel you want to edit, then press **OK** to enter. Press **▲/▼** to select **Channel name**, then press **OK** to access the virtual keyboard and edit the channel name, finally highlight **OK** and press **OK** to confirm. When you have finished, press **↶** to return.

Channel delete: Press **OK/▶** to display Channel list. Press **▲/▼** to select a channel you want to delete, then press **OK** to delete the channel.

Channel diagnostics (on digital TV channels)

1. Select **Settings > Channel > Channel diagnostics**.
2. Press **OK/▶** to display some signal information on current digital channel, such as signal strength, Frequency, etc..

Timeshift: Set **Timeshift** to **On** or **Off**. Default setting is **On**. For details, please see the introduction of **Timeshift** on page 13.

Subtitle: This enables subtitle for digital TV channels.

Select **Subtitle**, press **OK/▶** to display its submenus:

Subtitle: Press **OK/▶** to enter, press **▲/▼** to turn **On** or **Off** the subtitles.

Subtitle type: Press **OK/▶** to enter, press **▲/▼** to select a subtitle type. You can select **Hearing Impaired** to display the hearing impaired subtitle with your selected language.

Teletext: Press **OK/▶** to display its submenu.

Decoding page language: Select a proper type of language in which Teletext will display.

Digital teletext language: For digital TV channels, your TV could zap to 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 page.

Network

You can set up your TV so that it can access the Internet through your local area network (LAN) using a wired or wireless connection.

connecting to a wired network:

you can attach your TV to your LAN using cable in three ways:

- You can attach your TV to your LAN by connecting the **LAN** port on your TV to an external modem using a Cat 5 cable.
- You can attach your TV to your LAN by connecting the **LAN** port on your TV to a IP Sharer which is connected to an external modem. Use Cat 5 cable for the connection.
- Depending on how your network is configured, you may be able to attach your TV to your LAN by connecting the **LAN** port on your TV directly to a network wall outlet using a Cat 5 cable. Note that the wall outlet is attached to a modem or router elsewhere in your house.

1. Press **≡** or **⬆** on the remote control, select **Settings > Network > Internet connection** and press **OK/▶** to enter.
2. Press **▲/▼** to select **On** and press **OK** to confirm.
3. Press **▲/▼** to select **Interface** and press **OK/▶** to enter.
4. Press **▲/▼** to select **Ethernet** and press **OK** to confirm.
5. Press **▲/▼** to select **IP settings** and press **OK/▶** to enter. You can set **Address type** to **Auto** or **Manual**.
 - Select **Auto** if you want the TV to acquire and enter the needed IP address automatically.
 - Select **Manual** if you want to enter your IP address manually, then:
 - Press **▼** to go to the first entry field.
 - Enter the **IP address, Subnet Mask, Default Gateway, Primary DNS** and **Secondary DNS** values. Use the numeric buttons to enter numbers and the **▲/▼/◀/▶** buttons to move from one entry field to another.

Menu Operation

- Once **IP setting** is completed, press **▲/▼/◀/▶** to select **OK** and press **OK** to confirm. The set will try to connect to the network and inform you about the result. Press **↵** to return to the **Network** menu.
- 6. If you want to check the information on current connection, such as **Interface, Address type, IP address**, etc., press **▲/▼** to select **Information** and press **OK/▶** to enter. Press **↵** to return to the **Network** menu.
- 7. If you want to check the Internet connectivity, press **▲/▼** to select **Connection test** and press **OK/▶**.

Connecting to a wireless network

Your TV is equipped to be connected to your home network wirelessly. To do that you need a wireless router or modem.

1. Press **≡** or **⏏** on the remote control, select **Settings > Network > Internet connection** and press **OK/▶** to enter.
2. Press **▲/▼** to select **On** and press **OK** to confirm.
3. Press **▲/▼** to select **Interface** and press **OK/▶** to enter.
4. Press **▲/▼** to select **Wireless** and press **OK** to confirm.
5. Press **▲/▼** to select **Wireless settings** and press **OK/▶** to enter. You can set the wireless network connection in 3 ways:
 - a) **Scan**
 - Press **▲/▼** to select **Scan** and press **OK/▶** to enter. The TV will search all access points within range. Access points found by the TV will be displayed.
 - Press **▲/▼** to select an available access point, then press **OK/▶** to connect.
 - Press **↵** to return to the **Wireless settings** menu.

*Note: If you select a protected access point, you will have to enter the corresponding password. Press **OK** on the remote control to display the virtual keyboard to enable you to enter the password.*

- b) **Manual**

Press **▲/▼** to select **Manual** and press **OK/▶** to enter. You will be prompted to enter the correct SSID of an available wireless router to set up the connection. Press **↵** to return to the **Wireless settings** menu.

- c) **Auto**

If your AP (Access Point) supports WPS (Wi-Fi Protected Setup), you can connect to the network via PIN (Personal Identification Number) or PBC (Push Button Configuration). WPS will automatically configure the SSID and WPA key in either mode.

Press **▲/▼** to select **Auto** and press **OK/▶** to enter.

- **PIN**: Select **PIN** and press **OK/▶** to enter. Choose a random PIN code. Make sure this code

is installed on the AP. (For the procedures, refer to your router manual.) Select **OK** and press **OK** to set up the connection.

- **PBC**: If your router has a PBC push button, select **PBC** and press **OK/▶** to enter. Press the PBC push button on your router within 2 minutes before you select **OK** and press **OK** again. Your TV will automatically acquire all the network setting values it needs and connect to your network.
 - Press **↵** to return to the **Wireless settings** menu.
- Press **↵** to return to the **Network** menu.
 6. If you want to check the information on current connection, such as **Interface, Address type, IP address**, etc., press **▲/▼** to select **Information** and press **OK/▶** to enter. Press **↵** to return to the **Network** menu.
 7. If you want to check the Internet connectivity, press **▲/▼** to select **Connection test** and press **OK/▶**.

DLNA (Share & See)

*Note: This manual covers products with either **Share & See** or **DLNA** function. **Share & See** is **DLNA-compatible**.*

Connecting to your PC

Make sure to set up a wired or wireless connection from your TV to a router first. Then connect your PC to your router either through a network cable or wirelessly. Also make sure to select **Network > Internet connection** and select **On**, and that your computer firewall won't block the connection.

Enabling DLNA function

Press **≡** or **⏏** on the remote control, select **Settings > Network > DLNA** and press **OK/▶** to enter. Press **▲/▼** to select **On** and press **OK** to confirm. Follow the steps in turn specified hereafter, then you can enjoy recorded videos, images and music saved on your PC.

Adding media from your PC for sharing

Install a DLNA media server on your PC. The simple and familiar server you may install is Microsoft Windows Media Player 11 and above. Follow the instructions below to allow your TV to access the designated files on your PC.

1. Open the Microsoft Windows Media Player 11.
2. Select **Library > Media sharing**.
3. Check the checkbox **Share my media to**.
4. Select the icon of the TV set connected to your PC.
5. Select **Allow** to allow the TV set to access your PC, and select **OK** to enable the access.

*Note: Use the **Settings** button to customize your desired settings.*

6. Select **Library > Add to Library**.
7. Select your personal folders or folders of other users that you can access for sharing.
8. Select **Add** and press **OK** to enable the addition.

DLNA application

Select **Media** from the homepage and press **OK** to enter. Then you can view pictures, listen to music or watch videos, which are stored on your PC. Supported file formats:

Picture	JPEG, PNG
Music	MP3, WMA, LPCM
Video	MPEG2, MPEG4, WMV

Notes:

- If **DLNA** is switched on, the TV will display the list of available DLNA servers which are available in local network.
- Content from third-party DLNA servers may not play correctly on your TV due to compatibility problems.
- When sharing media files from a PC, certain features may be unavailable and, due to the file and encoding formats used, playback issues may occur.
- Because of network related conditions, playback of media files may not be error-free. When this happens, play them from a USB drive.

GuideOn

GuideOn refers to network EPG, which is an app of preview programme and helps you navigate through a vast amount of content. It provides functionality similar to a printed programme guide by informing you as to which television content is available, such as cast and related information.

1. Press \equiv or \uparrow on the remote control, select **Settings > Network > GuideOn** and press **OK/▶** to enter.
2. Press **OK/▶** again, press $\blacktriangle/\blacktriangledown$ to select **On** and press **OK** to confirm, then press **EXIT** or \uparrow to close the menu.
Note: You can also scan the QR code displayed on the screen to download the GuideOn app to your smartphone.
3. Press **GUIDE** on the remote control to display the network EPG page. It contains three tabs: **On-Going, Guide** and **Reminders**.
 - Press $\blacktriangleleft/\blacktriangleright$ to select a tab.
 - Press **OK** to enter.
4. To quit the EPG, press **EXIT** on the remote control.

Note: To use network EPG, make sure the Internet is connected. In case Internet is connected and GuideOn is turned on, network EPG replaces local EPG as described in section Using EPG (Electronic Programme Guide) when you press the GUIDE button.

TCL nScreen

This function allows you to turn a smart device into a sophisticated remote control, providing more features than your normal TV remote control. You can then control your TV through your smart device.

1. Press \equiv or \uparrow on the remote control, select **Settings > Network > TCL nScreen** and press **OK** to enter. You will see details for downloading the TCL nScreen application and other related information.
Note: The following instructions are based on the example of a laptop.
2. Download and install into the laptop the correct TCL nScreen application for the laptop.
3. Make sure the laptop and the TV are in the same home LAN (local area network) or network segment.
4. Run the TCL nScreen application on the laptop, it will search and communicate with the TV automatically to enable the TCL nScreen functionality.
5. Once the TV and the laptop are linked as described in step 4, you will be able to enjoy the extra features of the TCL nScreen function.
6. To quit the TCL nScreen function, press **EXIT** or \uparrow on the remote control.

Netflix settings

Netflix provides on-demand movies and TV shows delivered via the Internet. Netflix is available in certain countries. Unlimited membership is required. More information can be found at www.netflix.com.

Press \equiv or \uparrow on the remote control, select **Settings > Network > Netflix settings** and press **OK** to enter. It contains two tabs: **Deactivate, ESN**.

WiFi TV link

please see the introduction of **WiFi TV link** on page 14.

System

Select **Settings > System**, Press **OK/▶** to enter and use $\blacktriangle/\blacktriangledown$ to choose an option..

E-Manual: E-Manual is an electronic user manual for the product. You can find instructions for the features of this TV set.

Menu language: The **Menu language** menu allows you to select language.

Timer: The **Timer** menu allows you to set the time zone on your TV set, to programme an automatic turn-off or wake-up timer and to view the calendar.

Select **System > Timer** and press **OK/▶** to confirm. The **Timer** options are as below:

Time zone: Use $\blacktriangle/\blacktriangledown$ to select the local time zone.

Country region: Use $\blacktriangle/\blacktriangledown$ to select your region.

Note: The option is unavailable when you have selected the time zone other than "**As per broadcast**".

Clock: Press **OK/▶** to display its options:

- **Auto synchronization:** Use $\blacktriangle/\blacktriangledown$ to select **On** or **Off**. If **On** is selected, the TV will get the time automatically from DTV signals, and the Time item

Menu Operation

cannot be adjusted. If you select **Off**, you should set date and time at **Date** and **Time** item. Highlight **Date** or **Time**, use **◀/▶** to select input space, enter the current date or time by using the digit keys.

Note: If Off is selected, the time set in Time option will not be memorized when turning on the TV next time, and the TV's time will start from the default.

- **Power on timer:** Use **▲/▼** to select **Off**, **Daily** or **Once**. If you select **Once** or **Daily**, you should set a time period after which the TV automatically switches to on at **Time** below this item. Highlight **Time**, use **◀/▶** to select input space, enter the on time using the digit keys.

- **Power off timer:** Use **▲/▼** to select **Off**, **Daily** or **Once**. If you select **Once** or **Daily**, you should set a time period after which the TV automatically switches to off at **Time** below this item. Highlight **Time**, use **◀/▶** to select input space, enter the off time using the digit keys.

Sleep timer: Sets a period of time after which the TV set goes into standby mode. Use **▲/▼** to set the period (120 minutes maximum). To disable this function, select **Off**.

Auto standby: TV will be put into standby mode automatically if there is no operation. Use **▲/▼** to set the period (8 hours maximum). To disable this function, select **Off**.

Lock: This menu can control the special function for TV channels.

Note: You must enter your personal code before entering the **Lock** menu.

Display the main menu by pressing **System** and select **Lock**, then press **OK** to confirm. Then press the number buttons to enter the password to enter the **Lock** menu. The factory default code is **1234**. And the super password is **0423**. If you forget your code, enter it to override any existing codes.

The **Lock** options are as below:

- **Channel lock:** This option allows you to lock a certain Channel. Use **▲/▼** to select a certain TV channel you want to lock, then press **OK** to lock. To unlock, use the same operation.

- **Parental rating:** This option allows you to set a rating to a programme. Highlight **Parental rating**, press **OK/▶** to display **Parental rating** menu, Then use **▲/▼** to adjust.

- **Input lock:** This option allows you to lock a certain external source you want to lock. Press **OK/▶** to display **Input lock** menu, then press **▲/▼** to select a certain external source you want to lock, and press **OK** to lock. To unlock, use the same operation.

Note: When the current input is locked, you can press **OK** and enter the password to enter.

- **Front panel lock:** Press **▲/▼** to select **On** to lock the set's buttons.

- **Installation lock:** Press **▲/▼** to select **On** to prevent access to the Installation menu to prevent any channels from being set up without your consent.

- **Change password:** This option allows you to change the password. Press **OK/▶** to enter, then press the number buttons to enter the new password twice.

- **Max volume:** Press **OK/▶** to display the adjustment bar and use **◀/▶** to set the max volume when watching programme.

- **Clean all:** Press **OK/▶** to enter, then select **Yes** or **No**.

Input settings: You can name your connected sources according to the type of device instead of the type of socket.

1. Select **System > Input settings**, press **OK/▶** to enter.

2. Press **▲/▼** to select a connector your equipment is connected to and press **OK/▶** to enter.

3. Press **▲/▼** to select the type of device connected to this connector and press **OK** to confirm.

4. Press **EXIT** or **⏏** to close the menu.

After configuring, the selected source name will be displayed after the name of the related connector in the source list when pressing **SOURCE** on the remote control or **OK** on the TV set.

Note: Not all models have OK button on the set.

Software update:

Note: Do not switch off or unplug the TV until the upgrade is completed.

Press **≡** or **⏏** on the remote control, select **Settings > System > Software update** and press **OK/▶** to enter. You have the following options to update the software.

- **By USB:** Enables you to install a new version software from a USB stick. Insert the USB stick in which a new version software is stored into a USB socket of the set. Select **By USB** and press **OK/▶** to enter. Follow the on-screen instructions to complete the process.

- **By network:** Enables you to download and install the latest version software from the Internet. Make sure to set up a wired or wireless network connection first then select **By network** and press **OK/▶** to enter. Follow the on-screen instructions to complete the process.

Note: Keep successful network connection during upgrade.

- **By channel:** Enables you to install the latest version software if available from the broadcast. Select **By channel** and press **OK/▶** to enter. Follow the on-screen instructions to complete the process.

There is also information about the TV such as **Current version** and **Product name**, etc.

Location: Use **▲/▼** to select **Home**, **Shop** or **Shop with demo**.

HbbTV mode: Use **▲/▼** to select **On** to turn on HbbTV function.

Cookies: Use **▲/▼** to select **On** to turn on HbbTV

Menu Operation

cookie.

Note: *Cookies* is available when **HbbTV mode** is set to On.

Advanced settings: Press **OK/▶** to enter, please see the introduction of **T-Link** on page 13.

Football mode: Please see the introduction of **Football mode** on page 13.

Reset shop: Allows you to reset the TV to factory default settings.

1. Press **System > Reset shop** and press **OK/▶** to enter.
2. Use the numeric buttons to enter the password.

3. Press **◀/▶** to select **OK** and press **OK** to confirm.
4. The **Initial setup** menu appears. Follow the instructions in the section **Initial setup**.

LED Indicator: Allows you to select the LED indicator on the TV front panel to flash or not.

1. Press **Settings > System > LED Indicator** and press **OK/▶** to enter.
2. Press **▲/▼** to select **Flashing** or **Normal** and press **OK** to confirm.
3. Press **EXIT** or **⏏** to close the menu.

Chapter 5

Advanced Functions

Using E-Manual (Help)

You can find instructions for your TV's features from the e-manual in your TV. To view it, press **⏏** on the remote control to open Homepage, use **◀/▶** to switch to **TV** page, select **Settings > System > E-Manual** and press **OK** to view the details.

Using MHL Function (Mobile High-definition Link)

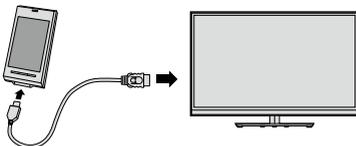
You can use the MHL functions by connecting the TV HDMI 1 (MHL) port and the USB port of a mobile device with an MHL cable. Features of the MHL functions include:

- Charge the mobile device from the TV.
- Two-way remote operation between TV and mobile device.
- Video/Audio contents play from the mobile device, and shown on the TV.

Notes:

- *These functions may not be available depending on the connected equipment.*
- *If there is no more battery life left in the connected device, charging will not start.*

Connecting MHL-compatible Device



- Connect the MHL-compatible device to the HDMI 1 (MHL) port on the TV, using an MHL cable (not supplied), charging starts automatically.
- When connecting MHL-compatible device to HDMI 1 (MHL) port on the TV, switch TV source to HDMI 1.

Note: *Do not connect the MHL-compatible device to any ports other than HDMI 1(MHL) port.*

When using MHL

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

Viewing photos, playing music and watching videos from a USB device

Your TV is fitted with a USB connector that enables you to view photos, listen to music or watch videos stored on a USB storage device or the PVR list.

Supported file formats as below:

Picture: JPEG, BMP, PNG

Music: MP3, WMA, AC3

Video: H.265, H.264, XviD, MPEG1, MPEG2, MPEG4, VC1, WMV, TS, MKV, AVI, MP4, Mov, 3GP

Note: *Some USB keys and USB products like digital cameras or mobile phones are not fully compatible with USB 2.0 or 3.0 standard so they may not work with the TV multimedia player. Not all USB keys or devices are compatible with the USB function. Not all above formats are recognised. The encoding formats of your files will determine if they can be used or not.*

Advanced Functions

Press  on the remote control, use  to switch to **TV** page, select **Media** and press **OK** to enter.

Media

Includes the three sections as below:

U-disk

You can access photo, music and video files on your external storage device when it is connected to the smart TV. Includes the four sections as below:

All: To display photos, watch videos and play back music if available.

Picture: To display photos if available.

1. Select **Picture**, then the main file content browser will be shown. Press **OK/▶** to enter.
2. Use /// to select a photo in either main or sub file content browser.
3. Select a photo, press **OK** to watch, and a slide show begins from the selected photo. Press **OK** to pause the photo if you want to rotate or zoom the paused photo. Press  to display the control bar in the browser mode. You can play, pause or rotate the photo, select different play modes and display effects, etc..
4. Press the related buttons on the remote control to perform the available functions shown on the function bar at the bottom of the TV screen.

Video: To watch videos if available.

1. Select **Video**, then the main file content browser was shown. Press **OK/▶** to enter.
2. Use the /// to select a video in either main or sub file content browser in the same way as in photo display function.
3. Select a video, press **OK** to watch, and an automatic playback begins from the selected video. Press  to

display the video menu in the browser mode. You can play or pause the video, select different play modes and preset picture settings, etc.

4. Press the related buttons on the remote control to perform the available functions shown on the function bar at the bottom of the TV screen.

Music: To play back music if available.

1. Select **Music**, then the main file content browser will be shown. Press **OK/▶** to enter.
2. Use /// to select a song in either main or sub file content browser in the same way as in photo display function.
3. Select a song, press **OK** to play, and an automatic playback begins from the selected song. A control bar appears, by which you can play or pause the song, select different play modes, etc..
4. Press the related buttons on the remote control to perform the available functions shown on the function bar at the bottom of the TV screen.

DLNA

Install a DLNA media server on your PC. The simple and familiar server you may install is Microsoft Windows Media Player 11 and above. Do settings to allow your TV to access the designated files on your PC. Make sure your PC and the TV are in the same home LAN. Go to **Media> DLNA**, then you can make the TV play the media files on the PC.

PVR

You can find all the recorded digital programmes you've got by the PVR feature.

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.
- 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 playing online 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 to the user interface. Also, there may be no changes to the user interface at all.

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 colour

1. Change the colour system.
2. Adjust the saturation.
3. Try another channel. Black-white programme may be received.

Remote control does not work

1. Change the batteries.
2. Batteries are not installed correctly.
3. Main power is not connected.

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, if any, from TV front panel and screen before use.*

**Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.*

Legal Statement

[Legal Statement] of TCL - manufacturer of this TV set

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Plug in an MHL-compatible mobile device to view your favorite content and charge your device at the same time.



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H.265-HIGH EFFICIENCY VIDEO CODING

HEVC, or H.265 is the successor to H.264 and strives to deliver video with equivalent quality with bitrate savings of up to 50 percent. HEVC is critical for streaming high-quality video even in congested network environments, and will be a driving factor in the delivery of 4K content to new Ultra HD displays.

TCL Electronics Australia Pty Ltd.

ABN 83 111 032 896

Address: 797 Springvale Road, Mulgrave, VIC 3170, Australia

Telephone: 1300 738 149

service.au@tcl.com

www.tclelectronics.com.au

72-NT67KB-EAU1A