

## Getting Started

### Features

- **The Google Assistant™ on Android TV™**

Press the Google Assistant button on your remote to do more on your TV with your voice. Ask Google to search for the latest blockbuster, stream shows, or open multiplayer games. Have it dim the lights by connecting smart home devices. Manage tasks and see your calendar. Or ask it questions and see the answers on your TV.

- **Google Play**

Google Play is your entertainment unbound. It brings together all of the entertainment you love and helps you explore it in new ways, anytime, anywhere. We've brought the magic of Google to music, movies, TV, books, magazines, apps and games, so you get more from your content every day.

- **DTV / Analog TV / CATV**

You can use your remote to select channels which are broadcast in digital format and conventional analog format. Also, cable and satellite subscribers can access their TV channels.

- **Information display**

You can display on the TV screen the title, contents (DTV only) and other information on the current program.

- **Autoprogram**

This unit automatically scans and memorizes channels available in your area, eliminating difficult setup procedures.

- **Parental controls**

This feature allows you to block children's access to inappropriate programs. ● Closed caption decoder Built-in closed caption decoder displays text for closed caption supported programs.

- **MTS / SAP tuner**

Audio can be selected from the remote.

- **Auto standby**

If there is no input signal and no operation for 15 minutes, the unit will go into standby mode automatically.

- **Sleep timer**

You can set the unit to go into standby mode after a specific amount of time.

- **Choices for on-screen language**

Select your on-screen language: English, Spanish or French.

- **Stereo sound function**

- **Various adjustments for picture and sound**

Customizes picture quality suitable for your room and sets your sound preference.

- **HDMI control**

HDMI control allows your other HDMI link devices to be controlled by the HDMI cable connected to your TV.

- **HDMI input**

- **HDMI-DVI input**

If your video device has a DVI output jack, use an HDMI-DVI conversion cable to connect the unit.

- **AV input**

Audio and video input from an external device.

- **Digital audio output**

- **Headphone audio output**

Headphone 3.5 mm stereo jack for personal listening.

### **Include Accessories**

#### **NOTE**

- If you lose the screws, please purchase the above-mentioned phillips head screws at your local store.
- If you need to replace these accessories, please refer to the part name or No. with the illustrations and call our toll free customer support line found on the cover of this user manual.

#### **When using a universal remote to operate this unit.**

- Make sure the component code on your universal remote is set to our brand. Refer to the instruction book accompanying your remote for more details.
- We do not guarantee 100% interoperability with all universal remote.

### **Installing the stands**

1 Remove the tape on the bottom of the TV set and the plastic bag.

2 Fasten the stand to the TV with 4 screws.

**NOTE:** While fastening the screws, hold the stand to prevent it from falling

3 Both stands should now be securely fastened.

**NOTE:**

- A wide open space is recommended for assembly.
- A Phillips-head screwdriver is required to fasten the stands to the TV set.
- When attaching the stand, ensure that all screws are tightly fastened. If the stand is not properly attached, it could cause the unit to fall, resulting in injuries as well as damage to the unit.
- To remove the stand from this unit, unscrew the phillips-head screws by reversing the procedure. Be careful not to drop the stand when you remove it.

**Lifting the TV set**

Carefully lift the TV set as shown in the illustration and place it onto a stable, level surface

**Installing the Batteries**

1 Open the battery cover by firmly sliding down.

2 Insert 2 AAA (1.5 V) batteries matching the polarity indicated inside battery compartment of the remote.

3 Slide the cover back into position.

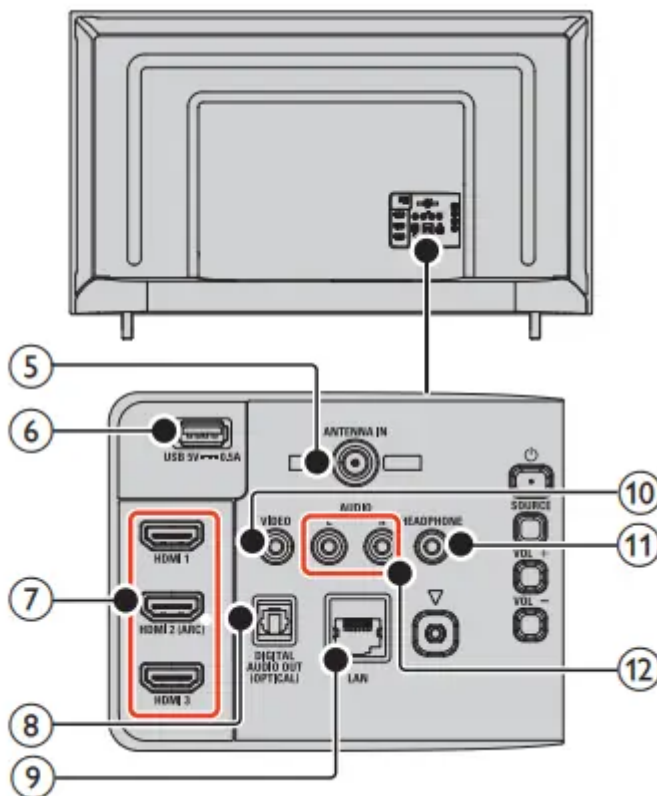
**Remote**

- ① **Microphone**
- ② **⏻ (POWER)**  
Turn the TV on/off into Quick Start Standby. Holding the button for 1 second or more will put the TV into Low Power Standby.
- ③ **SAP**  
Selects audio mode (MONO / STEREO / SAP) / audio language.
- ④ **📺 (FORMAT)**  
Adjusts the picture size on the TV screen.
- ⑤ **📺 (TV GUIDE)**  
Access to the Electronic Program Guide (EPG).
- ⑥ **⬅️ (BACK)**  
Returns to the previous menu screen.
- ⑦ **VOL + / -**  
Adjusts the volume.
- ⑧ **🔇 (MUTE)**  
Turns the sound on and off.
- ⑨ **CC**  
Selects closed caption settings.
- ⑩ **ℹ️ (INFO)**  
Displays input and resolution information.
- ⑪ **Google Assistant**  
Press the Google Assistant button on your remote to ask Google.
- ⑫ **☰ (OPTIONS)**  
Displays a list of menu options applicable to the active screen.
- ⑬ **OK**  
Press to decide the command of setting when the Home menu is displayed.
- ⑭ **▲ ▼ ◀ ▶ (NAVIGATION buttons)**  
- Moves the cursor, selects the on-screen menu items.
- ⑮ **🏠 (HOME)**  
Access to your apps, Live TV, input devices, settings, and the Google Play Store.
- ⑯ **PREV.CH**  
Direct access to the Live TV channels.  
Displays the last selected terminal or channel.
- ⑰ **COLOR buttons**  
Works as direct access to user specified net apps.
- ⑱ **📺 (INPUT)**  
Change input source.  
Select and change access to the attached devices such as Blu-ray player, gaming consoles, or cable box.
- ⑲ **CH + / -**  
Selects a channel.
- ⑳ **0 - 9 (NUMBER buttons)**  
Used to enter a channel / program number.  
• **(DOT)** : Use with **0-9** to select digital channels.  
For example, to enter 2.1, press
- ㉑ **EasyLink buttons**
  - ⏮ / ⏭ : Skips backward or forward chapters, titles or tracks on a disc.
  - : Stops the disc playback.
  - ⏮ / ⏭ : Searches backward or forward through the disc.
  - ▶ || : Starts, pauses or resumes playback.

## Control panel

- ① **⏻ (POWER)**  
Turns the TV on or switches the TV into standby mode.  
Turns the TV on and off of standby.
- ② **SOURCE**  
Selects connected devices.
- ③ **VOL + / -**  
Adjusts the volume.  
**VOL +** : Volume up  
**VOL -** : Volume down
- ④ **Remote sensor**  
Receives IR signal from remote.

## Terminals



- ⑤ **75 ohm Cable / Antenna connection**  
Signal input from an antenna or Cable / Satellite set-top boxes.
- ⑥ **USB terminal**  
Data input from USB memory stick only.
- ⑦ **HDMI input jack(s)**  
Digital audio and video input from high definition digital devices such as DVD / Blu-ray Disc™ players, Soundbar / cable / satellite set-top boxes, PC's, etc.
  - HDMI-DVI / Analog audio (L/R) jacks signal
  - Composite video / Analog audio (L/R) jacks signal
  - PC connection / Analog audio (L/R) jacks signal with stereo mini 3.5 mm plug audio cable on PC

\* For HDMI 2 only : In addition to normal HDMI functionality, it outputs TV audio to an HDMI-ARC compliant device, such as a soundbar and home theater system.
- ⑧ **Digital audio output (Optical) jack**  
Digital audio (SPDIF) output to home theaters and other digital audio systems.
- ⑨ **Ethernet port**  
For internet connection using an Ethernet cable with an RJ-45 connector.
- ⑩ **Composite video (VIDEO) input jack**  
Connect composite analog video signal.
- ⑪ **Headphone audio output jack**  
Headphone 3.5 mm stereo jack for personal listening.
- ⑫ **Analog audio (L/R) input jacks**  
Connect analog audio signals from;
  - HDMI-DVI / Analog audio (L/R) jacks signal
  - Composite video / Analog audio (L/R) jacks signal
  - PC connection / Analog audio (L/R) jacks signal with stereo mini 3.5 mm plug audio cable on PC

## **Connecting antenna or cable / satellite / IPTV set-top box**

### **If connecting to an antenna through an RF cable**

Any DTV programs that are broadcast in your area can be received for free through an antenna connection.

### **If connecting cable / satellite / IPTV set-top box using an RF cable**

If the TV is connected to a cable / satellite set-top box via a coaxial connection, set the TV to channel 3/4 or the channel specified by the service provider.

### **If connecting cable / satellite / IPTV set-top box using an HDMI cable**

If the TV is connected to a cable / satellite set-top box via an HDMI cable, make sure you select the correct source by using (INPUT).

## **Connecting a cable / satellite / IPTV set-top box, Bluray Disc™ / DVD recorder via composite connectors and analog audio**

Do not place your recorder too close to the screen because some recorders can be susceptible to harmful interference from the TV.

## Selecting your connection quality

### HDMI - Highest quality

Supports high-definition digital signals and gives highest picture and sound quality. Video and audio signals are combined in one cable. You must use HDMI for full high-definition video and to enable HDMI control (HDMI CEC).

### Composite - Basic quality

For analog connections. Composite video / Audio analog cable usually combine a yellow video cable with red / white audio (L/R) cables.

## Connecting your devices

### HDMI digital connection

HDMI connection offers the highest picture quality. HDMI (High-Definition Multimedia Interface) transports highdefinition digital video and multi-channel digital audio through a single cable.

### HDMI-DVI connection

This unit can be connected to a device that has a DVI terminal. Use an HDMI-DVI conversion cable for this connection and it requires audio cable for analog audio signal as well.

### HDMI-ARC connection

HDMI-ARC allows you to use HDMI control to output TV audio directly to a connected audio device, without the need for an additional digital audio cable.

### HDMI EDID Version

If there are issues with picture/color and/or sound when connecting an external device using the HDMI port, please try switching the HDMI mode following the instructions below

- 1 Press **(INPUT)** to switch input device list.
- 2 Press **(OPTIONS)** on your remote and navigate to **Settings** and press **OK**.
- 3 Select **Device Preferences** and press **OK**.
- 4 Select **Inputs** and press **OK**.
- 5 Select **HDMI EDID Version** and press **OK**.

### Digital audio output connection

If you connect this unit to an external digital audio device, you can enjoy multi-channel audio like 5.1ch digital broadcasting sound. Use a digital audio optical cable to connect the unit to external digital audio devices.

### Composite analog video connection

Composite analog video connection offers standard picture quality for video devices connected to the unit. If you connect to the unit's composite video (VIDEO) input jack, connect audio cables to

the audio (L/R) input jacks. When the audio is monaural, then only connect to the audio L input jack.

### **Connecting the TV to the internet using an Ethernet cable**

### **Connecting the TV to the internet using a wireless LAN**

### **PC connection**

#### **HDMI connection**

This unit can be connected to your PC that has an HDMI terminal. Use an HDMI cable for this digital connection.

#### **HDMI-DVI connection**

This unit can be connected to your PC that has a DVI terminal. Use an HDMI-DVI conversion cable for this video digital connection and it requires stereo mini 3.5 mm plug audio cable for analog audio signal as well.

The following PC-input video signals can be displayed:

## **Use your TV**

### **Switching on your TV and putting it in standby mode**

#### **Turns the TV on and off of standby.**

- Press (POWER) on the TV or the remote, then TV will go to suspend standby.
- Press and hold (POWER) on the TV or the remote, then TV will go to standby mode completely.

### **Adjusting volume**

#### **To decrease or increase volume**

- Press VOL + / – on the TV or the remote.

VOL + : Volume up

VOL – : Volume down To mute or unmute sound

- Press 2 (MUTE) on the remote to mute the sound.
- Press 2 (MUTE) again or VOL + / – to recover the original sound.

### **Switching channels**

To change channels, you can do any of the following:

- Press CH + / – on the remote.
- Use the NUMBER buttons on the remote.
- Press I on the remote for digital channels only.

### **Watching channels from an external device**

Switching each input mode can easily switch with the remote between TV and external devices when they are connected to the unit.

### **Turn on the set-top box or the connected device.**

- ① Press (INPUT) and use I to select the set-top box or the connected device and wait a few seconds till the picture appears.
- ② Use the remote of the set-top box or the connected device to select channels.

### **Access the Home menu**

Press (HOME).

### **Guide to Home menu**

From the Android TV home screen, you can easily access movies, TV shows, music, apps, input devices, settings, and more. To go back to the home screen at any time, press (HOME) on your remote.

### **Apps**

- 1 Press (**HOME**) and use to select Apps tab, then press OK.
- 2 Select **Open the Google Play store** to open the Google Play Store apps.
- 3 Search for the app or type of app you want to install.
- 4 Select the app.
- 5 Select install.

### **How to use Google Assistant with your remote**

To use Google Assistant on your remote, make sure that the remote is connected via Bluetooth to the television. To check this, go to **Settings > Remotes & accessories** on your TV. If the remote is not connected, hold down the Volume (-) and Google Assistant button together for 3 seconds and select "Add accessory" in the menu.

You can start a conversation by simply pressing the Google Assistant button on your remote to ask Google a question or say a command. When activated by button, the Google Assistant dialog bar will appear at the bottom of your television screen.

### **Microphone**

- 1 Activating the Google Assistant on the home screen will launch a Google Query.
  - Activating the Google Assistant within an app will allow you to search and find information only related to a specific app.
- 2 Speak into the microphone located on the top of your remote. Speech examples may be displayed depending on your model.

### **Picture format**

Display modes can be selected when your TV receives a 16:9 or 4:3 video signal. Press (FORMAT) repeatedly to switch the TV aspect ratio.

<b>Automatic</b>	Displays a picture at maker recommended picture format setting.
<b>Full</b>	Displays a picture that is stretched out of proportion to fill the screen.
<b>Unscaled</b>	Displays a picture at its original size.
<b>4:3</b>	Displays a 4:3 picture at its original size. Sidebars appear on both edges of the screen.
<b>Movie expand</b>	Displays a American vista 16:9 picture at its original size.

### TV screen information

Press (INFO).

### Using options menu

- 1 Press (**OPTIONS**) to display options menu, then press **OK**.
- 2 Use to select a desired setting, then press **OK**

## Getting more from your TV

- 1 Press (**HOME**) to display the Home menu.
- 2 Use to select **Settings**, then press **OK**.
- 3 Use to select the desired menu and an item, then press **OK**.

### Network & Internet

- 1 Press (**HOME**) and use to select **Settings** then press **OK**.
- 2 Use to select **Network & Internet**, then press **OK**.

### Live TV/Antenna

#### Add channels

To add for the first time or additional channels, please follow the steps below:

- 1 On the Home menu, go to the **App tabs** and select **How to...**
- 2 Select **Live TV** to open channel installation page. Once open, select **Setup** and press **OK**.
- 3 Select your signal type **Antenna / Cable** to start the channel installation.

#### Channel list

Press OK while viewing Live TV to open channel list.

## Program guide

To view the latest TV program schedule, press (TV GUIDE) on your remote.

## Channel

- 1 When watching Live TV, then press **(OPTIONS)**.
- 2 Use to select **Settings**, then press **OK**.
- 3 Use to select **Channel**, then press **OK**.

## Parental Controls

You can restrict your children from watching certain programs or channels, by setting parental controls using a rating lock.

- 1 Use to select **Parental Controls**, then press **OK**.
- 2 Use to enter the 4-digit numbers for your PIN code.
  - Default setting of PIN is "1234".
  - When the PIN code is correct, Parental Controls menu is displayed. See the following description for setting each item.

## Setting TV and film ratings

Film ratings lock is the rating system created by MPAA. TV ratings lock has controlled access to individual programs based on their age ratings and content rating.

- 3 Use to select **Program Restrictions**, then press **OK**.
- 4 Use to select **Ratings**, then press **OK** repeatedly to switch between block and view

## Canadian English or Canadian French ratings

You can select the rating for Canadian English or Canadian French broadcasting.

**Program Restrictions > Rating Systems** and check the Other Countries and Other Countries (French) checkboxes from the list. Otherwise Canada's rating will not be effective.

- 3 Use to select **Other Countries** or **Other Countries (French)**, then press **OK**.
- 4 Use to select the desired rating, then press **OK** repeatedly to switch between block and view.
  - indicates that the rating is locked (Blocked).
  - indicates that the rating is not locked (Viewable).

## Change PIN

- 1 Use to select **Change PIN**, then press **OK**.
- 2 Use to enter the current 4-digit PIN code.
- 3 Use to enter the new 4-digit PIN code.

- Enter **PIN** code again to confirm.

## **Language**

You can set the language for the on-screen display.

1 Use to select **Language**, then press **OK**.

2 Use to select **English, Español or Français**, then press **OK**.

## **Captions (Antenna / Cable)**

## FAQ

Question	Answer
My remote does not work. What should I do?	<ul style="list-style-type: none"> <li>● Check the antenna or cable connection to the main unit.</li> <li>● Check the batteries on the remote.</li> <li>● Check if there is an obstacle between the infrared sensor window and the remote.</li> <li>● Test the IR signal output use IR signal check. L p. 37 If okay, then possible infrared sensor trouble.</li> <li>● Aim the remote directly at the infrared sensor window on the front of the unit.</li> <li>● Reduce the distance to the unit.</li> <li>● Re-insert or replace the AAA batteries with their polarities (+/-) as indicated on the remote battery area.</li> <li>● When there is an infrared-equipped device such as PC near this unit, it may interrupt the remote signal on this unit. Move the infrared-equipped device away from this unit, change the angle of the device's infrared sensor or turn off the infrared communication function.</li> </ul>
How come the initial setup appears every time I turn on this unit?	<ul style="list-style-type: none"> <li>● Make sure to complete the initial setup before the unit goes into standby mode.</li> </ul>
Why can I not watch some RF signal TV programs?	<ul style="list-style-type: none"> <li>● The selected channel may not be broadcasting.</li> <li>● The selected channel cannot be viewed by the Parental Controls setting. L p. 24</li> <li>● The unit requires some kind of antenna input. An indoor antenna (Digital or VHF / UHF), an external antenna (Digital or VHF / UHF) or an RF coaxial cable from your wall cable or set-top box needs to be plugged into the unit.</li> </ul>
How come there is no image from the connected external devices?	<ul style="list-style-type: none"> <li>● Check if the correct input is selected by pressing w (INPUT). L p. 18</li> <li>● Check the antenna, cable or other input connection to the unit</li> </ul>

<p>When I enter a channel number, why does it change automatically?</p>	<ul style="list-style-type: none"> <li>• Many digital channels have alternate channel numbers. The unit changes the numbers automatically to the ones signifying the broadcasting station's channel number. These basic numbers used for the previous analog broadcasts. (e.g., input digital ch# 30 automatically changes to digital ch# 8.1)</li> </ul>
<p>Why are captions not displayed entirely? Or why are captions delayed behind the dialog?</p>	<ul style="list-style-type: none"> <li>• Closed captions that are delayed a few seconds behind the actual dialog are common for live broadcasts. Most captioning production companies can display a dialog to maximum of 220 words per minute. If a dialog exceeds that rate, selective editing is used to insure that the closed captions remain up-to date with the current TV screen dialog.</li> </ul>
<p>How can I set the clock?</p>	<ul style="list-style-type: none"> <li>• From the Android TV home screen, select Settings in the upper right of the screen. Scroll down to Device Preferences and select Date &amp; time. Please set it automatically or manually.</li> </ul>

## Troubleshooting tips

**Please check the following Troubleshooting tips and all connections once before calling for service.**

### Power

#### No power

- Make sure the AC power cord is plugged in.
- Make sure that the AC outlet supplies the proper voltage, plug another electrical appliance into the AC outlet to ensure that the AC outlet operates normally.
- If a power failure occurs, unplug the AC power cord for 1 minute to allow the unit to reset itself.

#### Slow start up

Your TV takes a long time to start up when you turn it on.

- When powering off the TV into Low Power Standby, there will be a longer load time when powering it back on.
- Press and hold the (POWER) button for 1 second or more to go into Low Power Standby. Power consumption in this mode will be reduced ( $\leq 0.5$  W).



- Pressing the (POWER) button for less than 1 second will put the TV into Quick Start Standby, which will have a quicker boot time when powering back on. Power consumption in this mode will be slightly higher.

## **Remote**

### **Control buttons do not work.**

- Do NOT press more than one button at the same time.
- Ensure that no buttons on the remote are depressed and move freely.
- Re-insert or replace the AAA batteries with their polarities (+/-) as indicated on the remote battery area.

### **Universal remote does not work properly.**

- Refer to the user manual of the universal remote for the Philips code.

### **Remote buttons are not functional.**

- Re-insert or replace the AAA batteries with their polarities (+/-) as indicated on the remote battery area.

### **The Google Assistant button on your remote doesn't work**

- Make sure the remote is connected to the TV via Bluetooth. Google Assistant uses Bluetooth to create a safe connection between the remote and TV. (See step "7 Connecting your devices" in the Quick start guide for details)
- Make sure the Google Assistant feature was activated during initial installation. To check this, go to Settings > Device Preferences > Google Assistant > Accounts to see if you are logged into an active account.

## **Performance**

### **Remote response is delayed or sluggish during initial use.**

- Your television is automatically, downloading and installing the latest applications, for the best user experience.
- During this time, you may experience a delayed response from your remote. Upon successful installation, your remote will operate normally.

## **Accessibility**

### **Television is speaking prompts out-loud.**

- To disable the TalkBack on your television, press (HOME) on your remote, navigate to settings icon in the upper right corner of the home screen and select Device Preferences > Accessibility, select TalkBack, press OK to toggle between on or off.

## Picture

### **Power is on but screen image is off.**

- Check if the connection for your source device is properly secured.
- Check if the correct input is selected by pressing w (INPUT).
- Verify that your HDMI mode, for the input selected matches the resolution output of your source device. Change source input until you have picture and sound.

## Picture on HDMI Input

### **Television has sound with no picture or abnormal picture.**

- HDMI EDID Version setting is set to a different mode than your source device. To change it, refer to the step “7 Connecting your devices” in the Quick start guide and see “Changing input to devices that are connected to the TV”.
- Change the resolution output of your source device.

## Sound

### **No sound is heard when using the HDMI digital connection.**

- Some HDMI cables and devices may not be compatible with the TV due to different HDMI specifications.

### **No sound, distorted sound or incorrect audio sound is heard when using the HDMI-DVI connections.**

- Make sure that the analog audio signals from the HDMI-DVI device are connected to the analog audio input L/R jacks.
- When using Composite analog video, make sure that the analog audio (L/R) connectors are mounted into the audio (L/R) input jacks.

### **No sound from Soundbar / Home theater using an HDMI cable.**

- Please check to be sure the device is connected to the HDMI 2 (ARC) input on the TV.

### **Sound intermittent or no sound.**

- Check if the audio cable is connected into the unit correctly. and the volume changes.

### **You switch to a different input and the volume changes.**

- This unit will memorize the volume level from the last time you adjusted it.
- If the volume of the sound from another device is higher or lower, then the loudness will change.
- Make sure Auto Volume Control is set to On.

## Picture & Sound

### **No sound with distorted picture occurs when using the HDMI digital connection.**

- Some HDMI cables and devices may not be compatible with the TV due to different HDMI specifications. N

### **No picture or sound**

- Check if the power is on.
- Check whether all the cables to the unit are connected to the correct output jack on your separate device like Blu-ray Disc™ / DVD recorder.
- View other TV channels. The problem might be limited to the broadcasting station or weak signal strength.
- Unplug the AC power cord and wait for about 1 minute, then plug the AC power cord and turn on the unit again.
- Check whether the connection of the antenna or cable/satellite set-top box is connected correctly.
- Make sure that the selected input mode is connected to the working input jack.
- Make sure that the sound is not muted. Press (MUTE) so that the volume bar and current volume level will appear on the TV screen.
- Make sure that the volume is NOT set to (MUTE). If so, use VOL + / – to adjust to the desired volume.
- Make sure that the headphone is NOT connected to the headphone audio output jack.
- If there are issues with picture/color and/or sound when connecting an external device using the HDMI port, please try switching the HDMI EDID Version. (Refer to HDMI EDID

### **Adjusted Picture or Sound settings are not effective every time the unit is turned on.**

- You need to turn off the Retail Mode setting. L (Otherwise, the settings you adjusted will not be memorized after the unit goes into standby mode.)

### **You see a distorted picture or hear an unusual sound. (Analog TV - NTSC signal)**

- You may be getting NTSC (Analog) TV signal (not HDTV signal) interference from electrical appliances, automobiles, motorcycles or fluorescent lights.
- Try moving the unit to another location to see if this is the cause of the problem.

### **Ghosts, lines or streaks in picture.**

- Electrical interference from nearby appliances may affect picture quality.
- View other TV channels. The problem might be limited to the broadcasting station or weak signal strength.

### **Picture poor, sound intermittent or no sound**

- View other TV channels. The problem might be limited to the broadcasting station or weak signal strength.

### **Screen**

#### **You switch to a different input and the screen size changes.**

- This unit will memorize the viewing mode from the last time you used the particular input modes.

#### **The display image does not cover the entire screen.**

- If you are watching TV or using the composite video or HDMI with 480i input, select Picture format, and then switch to various screen modes.

#### **Different color marks on the TV screen**

- View other TV channels. The problem might be limited to the broadcasting station, missing data or pixelation due to weak signal strength.

### **Closed captions**

#### **Closed captions are displayed as a white box. No closed captions are displayed in the closed captions-supported program.**

- Interference from buildings or weather conditions may cause closed captions to be incomplete if watching analog TV signals.
- Broadcasting station may shorten the program to insert advertisements. The closed caption decoder cannot read the information of the shortened program.

#### **Black box is displayed on the TV screen.**

- The text mode is selected for caption. Select CC-1, CC-2, CC-3 or CC-4.

### **Software update**

#### **A message appears on the screen prompting for software update again.**

- When you start up the TV or a net service after executing the software update, a message may appear on the screen prompting for software update again. In this case, please execute the software update. (start from Settings > Device Preferences > About > System update)

### **Network**

#### **Cannot connect to the network.**

- Check if your router and/or modem is properly connected.
- Check if the Ethernet cable connection between the TV and your router or modem is properly secured.

- Power cycle the router and/or modem.
- Check your network settings.

### **Sometimes video quality is poor when using the wireless LAN.**

• The wireless network connection quality varies depending on the distance or obstacles (e.g. wall, basement, 2nd floor) between the TV wireless LAN adapter and the wireless router (access point), from other wireless networks, and brand and type of the wireless router (access point). When using the wireless LAN of the TV, it is suggested to place the wireless router as close as possible to the television.

### **Wireless LAN connection fails or wireless connection is poor.**

- Check the installation location of the TV and wireless router (access point). Signal quality may be affected for the following reasons.
  - Interference of other wireless devices, microwaves, fluorescent lights, etc., are placed nearby.
  - There are floors or walls between the wireless router and TV.
  - If the problems continue even after checking the above, try making a wired LAN connection.

### **Cannot use the wireless connection.**

- Check if the wireless LAN Access Point (AP) (e.g. wireless router) is oriented properly or not placed too close between them.
- Once you have activated the wireless connection please wait 30 seconds for the connection to be established after turning on the unit, before trying to access network features.

### **Slow Data Connection or buffering.**

- Check the settings between your router and ISP modem or gateway (if applicable)
- Connect to a stable wireless connection from home wireless or wired network.
- The use of mobile hot spots or public wireless connections is not recommended

### **Cannot use Netflix feature**

- Check if the network connection is properly made.
- Visit netflix.com on your PC and become a Netflix member.
- Some network services may not be available in your country.

### **Cannot add movies or TV episodes to the Instant Queue.**

- Visit netflix.com on your PC.

### **Even though the speed of the internet connection improves during playback, the picture quality of Netflix streaming movie does not improve.**

- The picture quality does not change during playback. It differs depending on the speed of internet connection at the time of loading.

### **Cannot use VUDU feature.**

- VUDU is available only in the United States.
- Check if the network connection is properly made.

### **Cannot rent or buy movies / TV episodes on VUDU.**

- You need to activate the VUDU account. For detailed information, please visit the service providers website at vudu.com
- Log into your account at my.vudu.com and check your payment information.

### **The picture quality of a streaming movie (Netflix or VUDU) is poor.**

- Check the speed of your internet connection. You need speeds of at least 8 Mbps to this player for high quality uninterrupted playback.

### **Streaming movie (Netflix or VUDU) often stops or starts buffering during playback.**

- Contact your internet service provider to troubleshoot your internet connection for speed and line quality. Consistent line quality and speed are very important for internet video playback.

### **Cannot connect to the network while my PC is connected to the network.**

- Check the content of your internet service contract to see if your internet service provider prevents multiple terminals connecting at the same time.

### **Folder or files stored on home network media server are not displayed in the file list or cannot be played back.**

- Check the setting on your home media server. (Refer to the user manual of the home media server.)
- Check the network connection and settings.

## **Google Duo**

### **USB camera does not work**

- Check if USB camera supports Android 9.0 or later. (May be listed on USB camera packaging or manufacturer's website)
- Check if USB camera is connected to the TV.
- Turn off the TV and disconnect/reconnect USB camera. Turn the TV back on and reopen the Duo app.
- If issues remain, please visit the Duo support page and check the Troubleshoot section

### **Other party cannot hear anything (My microphone does not work)**

- Check if USB camera has a built-in mic and supports Android 9.0 or later. (May be listed on USB camera packaging or manufacturer's website)

- Check if your microphone is muted. (Please unmute if so)
- Check if USB camera is connected to the TV.
- Turn off the TV and disconnect/reconnect USB camera. Turn the TV back on and reopen the Duo app.
- If issues remain, please visit the Duo support page and check the Troubleshoot section

#### **I cannot hear other party (Speaker does not work)**

- Check if the volume of the TV is muted or very low. (Please unmute or turn the volume up if so)
- Check if USB camera is connected to the TV.
- Turn off the TV and disconnect/reconnect USB camera. Turn the TV back on and reopen the Duo app.
- If issues remain, please visit the Duo support page and check the Troubleshoot section

#### **Where can I find Google Duo app?**

- Open the Google Play store and search “Google Duo”. From here, you can download or open the app. Once downloaded, you will be able to find it in the Apps tab in the home screen.

## **Maintenance**

### **Cleaning**

- Clean the front panel and other exterior surfaces of the unit with a soft microfiber cloth or lens brush. Before cleaning the panel, disconnect the AC power cord.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the unit. Such chemicals may cause damage and discoloration to the exposed surfaces.
- Do not spray any liquids on the screen or other exterior surfaces of this unit. If liquids enter the unit, they could cause shorts, electric shocks or fire damage.

### **Servicing**

Should your unit become inoperative, do not try to correct the problem yourself. There are no user serviceable parts inside. Call our toll free customer support line found on the cover of this user manual to locate an authorized service center.

### **IR signal check**

If the remote is not working properly, you can use a digital or cell phone camera to see if it is sending out an infrared signal. e.g.) With a digital camera: Point the digital camera towards the remote infrared diode at the front of the remote. Press and hold any key on the remote and look at the camera display. If an infrared pulsating light appears on the display, the remote is sending out

an IR signal. Note: Some cameras may have an IR filter or dual camera cell phones may have an IR filter in one of the camera's and both will not display the IR signal.

## Specifications

Model #		43PFL5766
<b>Picture</b>		
Type	UHD (Ultra HD) (3840 x 2160 pixels 60 Hz)	
Diagonal screen size / Aspect ratio	42.5" / 16:9	
Viewing angles	178° (V) by 178° (H)	
Built-in digital / analog tuner	ATSC (digital) / NTSC (analog)	
<b>Sound</b>		
Mono / Stereo	Mono, Stereo	
Power output (RMS watts)	8 W x 2	
Equalizer	5 band	
<b>Ease of use</b>		
Picture format	SD (4:3 source)	Automatic / Full / Unscaled / 4:3 / Movie expand
	HD (16:9 source)	
	UHD	
<b>Channel</b>		
Channel coverage	Over-the-Air DTV (ATSC)	VHF: 2~13 UHF: 14~69 (Each channel may have e.g. 2.1~2.9, 3.1~3.9, etc)
	Over-the-Air Analog (NTSC)	VHF: 2~13 UHF: 14~69
CATV (Analog NTSC)	2~13, A~W W+1~W+94 (Analog W+1~W+84), A-5~A-1, 5A	
Tuning system	Channel frequency synthesized tuning system	
Channel access	Direct access number keyboard, Programmable scan and Channel + (up) / - (down)	
<b>Connectivity</b>		
Composite video input	1	
HDMI input	3 (selectable HDMI modes)	
	Supporting HDMI video signals : 480i/p, 720p, 1080i @60 Hz, 1080p, 2160p @24/30/60 Hz	
	Supporting HDMI HDR signals : HDR10, HLG (Hybrid Log-Gamma)	
	Supporting HDMI digital audio signals : LPCM, AC3, DD+ Supporting PC-input video signal up to 4096 x 2160	
Analog audio L/R input	1 (L Audio / R Audio)	
PC input	Via HDMI and HDMI-DVI + Analog audio L/R	
USB	1	
Wireless LAN	Wireless LAN Supporting wireless standards : IEEE 802.11a/b/g/n/ac (2.4 GHz/5 GHz)	
Ethernet port	1	
Digital audio output	1 Supporting Dolby Audio	
Headphone output	1 1/8" (3.5 mm)	
Bluetooth	Version 5.0	
<b>Power</b>		
Power requirements	120 V~ +/- 10 %, 60 Hz +/- 0.5 %	
<b>Temperature</b>		
Operating temperature	41 °F (5 °C) to 104 °F (40 °C)	

### Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.



