

# Professional Installation Manual

All regions

xxHFL4518U/xx

xxHFL4518/xx

Status: Approved  
Version: 1.0  
Date: 26-09-2023  
Author: PPDS Tech team



**PHILIPS**

**Version history:**

Version	Date	Author	Changes:
1.0	26-09-2023	PPDS Tech team	First version Installation manual 4518

## Table of Contents

Version history: .....	- 1 -
1. General information.....	- 7 -
1.1 Notice .....	- 7 -
1.2 Help and support.....	- 7 -
1.3 Definitions, Acronyms and Abbreviations.....	- 8 -
1.4 How to navigate, open menu's and make selections.....	- 8 -
2. Requirements before starting the installation of a TV.....	- 9 -
2.1 Remote control.....	- 9 -
2.1.1 Master remote control.....	- 9 -
2.1.2 Guest remote control 22AV2304A.....	- 10 -
2.1.3 Accessory remote controls 22AV1601B (Easy RC) .....	- 10 -
2.1.4 Setup of the remote controls .....	- 11 -
2.1.4.1 How to set the multi RC for the guest RC.....	- 11 -
2.1.4.2 How to reset a guest RC to the default settings.....	- 11 -
2.1.4.3 How to setup the Easy RC (22AV1601B) .....	- 12 -
2.2 Professional Settings menu .....	- 13 -
2.3 Software upgrade .....	- 13 -
2.4 Clone folder structure .....	- 14 -
3. Find out the state of the TV.....	- 16 -
3.1 Virgin mode .....	- 16 -
3.2 Professional Mode ON/OFF.....	- 16 -
3.3 CSM (Customer Service Menu) .....	- 17 -
4. Reinstall TV .....	- 18 -
4.1 Reinstall the TV manually .....	- 18 -
4.2 Reinstall via a script in the clone file .....	- 18 -
5. Virgin installation – Instant Initial Cloning (IIC) .....	- 19 -
5.1 Making a clone file .....	- 19 -
5.1.1 Guided Setup .....	- 24 -
5.1.2 Expert Setup .....	- 28 -
5.2 Software update and using an existing clone file.....	- 30 -
6. Professional Settings .....	- 32 -
6.1 General information .....	- 32 -
6.1.1 Professional session .....	- 32 -



6.1.2	Store settings in the Professional Settings menu.....	33 -
6.1.3	Exit Professional menu after installing apps .....	33 -
6.2	Network and Internet.....	34 -
6.3	Channel.....	36 -
6.4	Accounts & Sign-In .....	38 -
6.5	Apps.....	39 -
6.6	Device Preferences.....	40 -
6.7	Accessories .....	48 -
6.8	Advanced Settings .....	48 -
6.8.1	Upgrade and Clone .....	49 -
6.8.2	Switch on settings.....	52 -
6.8.2.1	Channel Settings .....	53 -
6.8.2.2	Feature Settings.....	53 -
6.8.2.3	Sound Settings.....	54 -
6.8.2.4	Picture Settings.....	55 -
6.8.2.5	Analogue Subtitles.....	56 -
6.8.2.6	Digital Subtitles.....	56 -
6.8.2.7	Closed Caption Settings.....	57 -
6.8.2.8	Guest Management.....	58 -
6.8.2.9	Parental Controls.....	58 -
6.8.2.10	HotSpot Default Frequency .....	59 -
6.8.3	Identification Settings.....	60 -
6.8.4	Guest Management.....	61 -
6.8.5	Date and Time .....	63 -
6.8.6	Features.....	65 -
6.8.6.1	Apps .....	65 -
6.8.6.2	SmartInfo .....	69 -
6.8.6.3	Sharing .....	70 -
6.8.6.4	Welcome Screen.....	71 -
6.8.6.5	MyChoice .....	71 -
6.8.7	Channels .....	72 -
6.8.8	Sources .....	74 -
6.8.9	Wireless and Networks.....	75 -
6.8.10	Input Control .....	76 -



6.8.11	Advanced .....	- 78 -
6.8.12	TV Settings .....	- 80 -
6.8.13	Reset .....	- 81 -
7.	Professional setting wizards .....	- 82 -
7.1	Manage Apps .....	- 82 -
7.1.1	Manage Apps configuration wizard .....	- 82 -
7.1.2	Installing Apps using Google Play Store .....	- 85 -
7.1.3	Managing Apps through the AppControl Portal .....	- 88 -
7.1.4	Add a local app in the TV .....	- 92 -
7.1.5	Remove or update a local installed app from TV .....	- 92 -
7.2	Manage Welcome Screen .....	- 93 -
7.2.1	ScreenSaver Configuration .....	- 93 -
7.2.2	Welcome Screen Configuration .....	- 94 -
7.3	Manage MyChoice .....	- 97 -
7.3.1	How does it work .....	- 97 -
7.3.2	How to configure MyChoice .....	- 97 -
7.3.3	MyChoice RC commands .....	- 98 -
7.3.4	MyChoice remote activation .....	- 98 -
7.4	Channel installation wizard .....	- 100 -
7.4.1	Install Antenna channels .....	- 101 -
7.4.2	Install Cable channels .....	- 101 -
7.4.3	Install Satellite channels .....	- 102 -
7.4.4	Install channels in US .....	- 102 -
7.4.5	Install IP channels .....	- 103 -
8.	Guest Menu .....	- 104 -
8.1	Search .....	- 104 -
8.2	Home .....	- 104 -
8.3	Discover .....	- 104 -
8.4	Apps .....	- 105 -
8.5	Notifications .....	- 105 -
8.6	Inputs .....	- 105 -
8.6.1	Media Browser .....	- 106 -
8.6.2	Cast .....	- 106 -
8.6.2.1	What is Chromecast built-in? .....	- 107 -

8.6.2.2	TV implementation.....	- 107 -
8.6.2.3	Chromecast: Full TV control .....	- 107 -
8.6.2.4	Chromecast: Installer backend solution .....	- 108 -
8.6.2.5	Dependencies .....	- 110 -
8.6.2.6	Impact.....	- 110 -
8.7	Language .....	- 110 -
8.8	Settings.....	- 110 -
8.8.1	Channel.....	- 111 -
8.8.2	Accounts & Sign-In.....	- 111 -
8.8.3	Device Preferences.....	- 111 -
8.8.3.1	<i>Language</i> .....	- 112 -
8.8.3.2	<i>Power</i> .....	- 112 -
8.8.3.3	<i>Picture</i> .....	- 112 -
8.8.3.4	<i>Sound</i> .....	- 113 -
8.8.3.5	<i>Legal information</i> .....	- 113 -
8.8.3.6	<i>TalkBack</i> .....	- 114 -
8.8.4	Accessories .....	- 114 -
8.8.5	Clear History .....	- 114 -
8.9	Sign in .....	- 114 -
8.10	Customise your home screen in.....	- 115 -
9.	PMS (Property Management System).....	- 116 -
9.1	TV configuration .....	- 116 -
9.2	Clearing personal data.....	- 116 -
9.3	Greeting guest .....	- 116 -
9.4	Additional options .....	- 116 -
10.	SmartInfo.....	- 117 -
11.	IP TV installation.....	- 118 -
11.1	Setup.....	- 118 -
11.2	Settings for installing IPTV.....	- 118 -
11.3	Installing IP Channels.....	- 119 -
11.4	IP over RF cable using DOCSIS .....	- 119 -
12.	Make TV visible in CMND .....	- 120 -
12.1	Change the TV settings.....	- 120 -
12.2	Use a DNS server .....	- 120 -



12.3	URL fall-back mechanism .....	- 120 -
13.	Examples.....	- 122 -
13.1	ChannelList.xml in the clone file.....	- 122 -
13.1.1	Add broadcast channels in the ChannelList.xml.....	- 122 -
13.1.2	Add an IP channel in the ChannelList.xml .....	- 123 -
13.2	Edit the T&C for hotspot .....	- 123 -
13.3	Capture logs from TV on USB .....	- 124 -

## 1. General information

In this document, you can find information on how to install the Philips Professional TV's from the xxHFL4518/xx and xxHFL4518U/xx range. This document is intended for the System Integrator or the responsible technician of the location this device will be placed. You will find descriptions on what functions these platforms support and how to use them.

In this chapter, you can find some general information that is useful to know before reading the rest of the document.

### 1.1 Notice

2023 © TP Vision Europe B.V. All rights reserved. Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics NV or their respective owners. TP Vision Belgium NV reserves the right to change products at any time without being obliged to adjust earlier supplies accordingly.

TP Vision Belgium NV cannot be held responsible neither for any errors in the content of this document nor for any problems as a result of the content in this document. Errors reported will be adapted and published on the Philips support website as soon as possible.

### 1.2 Help and support

Visit the Philips support website at <http://www.philips.com/support/> or <http://www.ppd़s.com/> and go to support for:

- Leaflets and product documentation
- Download a printable PDF version of the user manual
- Contact details of the helpdesk
- Download the latest available software

Visit the Philips support ticketing system at <https://www.philips.com/pds/support> or go to the support page on <http://www.ppd़s.com> for:

- Allowing you to enter any after sales question for which you need support
- Easily follow up on any tickets submitted
- A knowledge base that will enable you to find answers to questions we receive on regular basis (FAQs)
- An NDA section for specific questions that require an NDA to be in place with your company to get the detailed feedback

Visit <http://www.ppd़s.com> to find more information about our products and solutions.



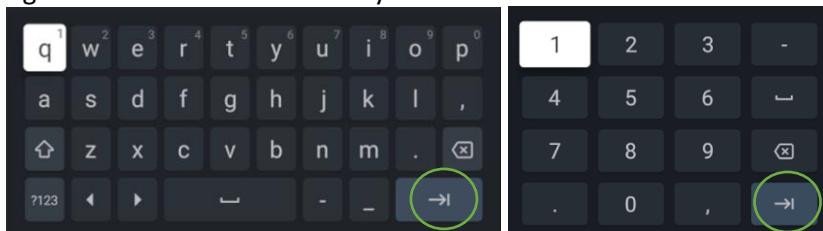
# PHILIPS

## 1.3 Definitions, Acronyms and Abbreviations

[ ]:	The values between brackets are referring to a TV menu item or a button on screen
“ “:	The values between quotation marks are referring to a remote button
<b>CEC:</b>	Consumer Electronic Control
<b>EPG:</b>	Electronic Programme Guide
<b>HTTP:</b>	Hyper Text Transfer Protocol
<b>IIC:</b>	Instant Initial Cloning
<b>MHz:</b>	Megahertz
<b>MRC:</b>	Multi Remote Control
<b>RC:</b>	Remote Control
<b>SI:</b>	System Integrator
<b>SSID:</b>	Service Set Identifier
<b>STBY:</b>	Standby
<b>SW:</b>	Software
<b>ToS:</b>	Table of Service
<b>TV:</b>	Television
<b>T&amp;C:</b>	Terms and Conditions

## 1.4 How to navigate, open menu's and make selections

- Navigating the menu can be done with the “**up**”, “**down**” (and “**left**”, “**right**”) arrow buttons on the remote control
- Opening a menu or activating a button can be done with the “**OK**” button
- To go back to the previous menu, press the “**Back**” button
- In some places in the menu, you need to press the “**OK**” button after you selected an item to confirm your selection. Only navigating to this menu item and go back to the menu will not store your selection
- Changing the value of a slider can be done using the “**left**” and “**right**” arrow, your selection will be remembered without pressing the “**OK**” button
- An option is enabled when you see this icon:  and disabled when you see this icon: 
- In case of multiple items that can be selected you can check or uncheck a checkbox  
- When you have an on-screen keyboard, you need to navigate using the arrows to the bottom right icon to confirm the value you entered





# PHILIPS

## 2. Requirements before starting the installation of a TV

Before starting the installation, make sure that you have everything you need at hand. You need a USB memory device and a remote control.

### 2.1 Remote control

#### 2.1.1 Master remote control

It's best to use the green RC as it has specific functions for this product range. Older master remote controls might also work.



22AV9574A

Using the master RC, you can operate the TV faster during installation and setup of the TV. You have direct keys to manage MyChoice. Quick access to: network information, software upgrade menu, CSM menu, Professional menu. The remote can be used in both R5 and RC6 mode in normal and setup mode.



**PHILIPS**

### 2.1.2 Guest remote control 22AV2304A



This remote is delivered with the TV. Removing the batteries does not result in a reset of the multi remote configuration.

### 2.1.3 Accessory remote controls 22AV1601B (Easy RC)



This is an accessory remote control featuring simplified buttons. You can buy it from the list of available accessories.



# PHILIPS

## 2.1.4 Setup of the remote controls

### 2.1.4.1 How to set the multi RC for the guest RC

The remote control included in the package can be set up to function in one of multi remote modes. This feature enables the installation of up to 14 televisions within a room, where each TV will respond to its respective remote control. More details can be found in the 'Professional settings' chapter. You can program this RC by pressing 2 buttons at the same time for about 10 seconds.

To see the current status of the remote control, while pointing at the TV, press and hold the "Mute" button for about ten seconds until you get a notification on screen.

RC Battery OK, RC MultiRC Mode : Blue, TV MultiRC Mode : Off 

You will see the battery status of the RC, the setting programmed in the RC (default = blue) and the setting in TV.

Below you can find a table how to match the TV settings and the settings as they can be used in the guest RC:

#### Mode: Buttons combination:

Blue (default)	"Home" and "Blue"
Yellow	"Home" and "Yellow"
Red	"Home" and "Red"
Green	"Home" and "Green"
0	"Home" and "0"
1	"Home" and "1"
2	"Home" and "2"
3	"Home" and "3"
4	"Home" and "4"
5	"Home" and "5"
6	"Home" and "6"
7	"Home" and "7"
8	"Home" and "8"
9	"Home" and "9"

### 2.1.4.2 How to reset a guest RC to the default settings

You can reset the guest RC to the default settings by programming the MRC "Blue" as explained in the previous chapter.



# PHILIPS

### 2.1.4.3 How to setup the Easy RC (22AV1601B)

The RC can be used in both RC5 and RC6 mode, meaning that it can be used for all TV's. By default, the RC is in RC6 mode. You can change the RC to RC5 mode for older TV's.

- You can change the RC to RC5 mode by pressing 5 seconds “**Menu**” and “**Volume up**” at the same time.
- You can change it back to RC6 mode by pressing 5 seconds “**Mute**” and “**Channel up**” at the same time.

You can also use this RC for multi RC. More details can be found in the ‘Professional settings’ chapter. You can program this RC by pressing 2 buttons at the same time for 5 seconds following the combination from earlier chapter ‘How to set the multi RC for the guest RC’.

Below you can find a table how to match the TV settings and the settings as they can be used in the guest RC for **RC6**:

**Mode: Buttons combination:**

Blue (default)	“ <b>Home</b> ” and “ <b>Volume down</b> ”
Yellow	“ <b>Home</b> ” and “ <b>Channel down</b> ”
Red	“ <b>Back</b> ” and “ <b>Volume down</b> ”
Green	“ <b>Back</b> ” and “ <b>Channel down</b> ”
0	“ <b>Home</b> ” and “ <b>Clock</b> ”
1	“ <b>Home</b> ” and “ <b>Options</b> ”
2	“ <b>Home</b> ” and “ <b>Arrow up</b> ”
3	“ <b>Home</b> ” and “ <b>TV</b> ”
4	“ <b>Home</b> ” and “ <b>Arrow left</b> ”
5	“ <b>Home</b> ” and “ <b>OK</b> ”
6	“ <b>Home</b> ” and “ <b>Arrow right</b> ”
7	“ <b>Home</b> ” and “ <b>Back</b> ”
8	“ <b>Home</b> ” and “ <b>Arrow down</b> ”
9	“ <b>Home</b> ” and “ <b>Mute</b> ”

Below you can find a table how to match the TV settings and the settings as they can be used in the guest RC for **RC5**:

**Mode: Buttons combination:**

Blue (default)	“ <b>Home</b> ” and “ <b>Volume down</b> ”
Yellow	“ <b>Home</b> ” and “ <b>Channel down</b> ”
Red	“ <b>Back</b> ” and “ <b>Volume down</b> ”
Green	“ <b>Back</b> ” and “ <b>Channel down</b> ”

Also note that for the easy RC the multi RC setting is stored permanently, so it will remember the setting even if the batteries are removed from the RC.



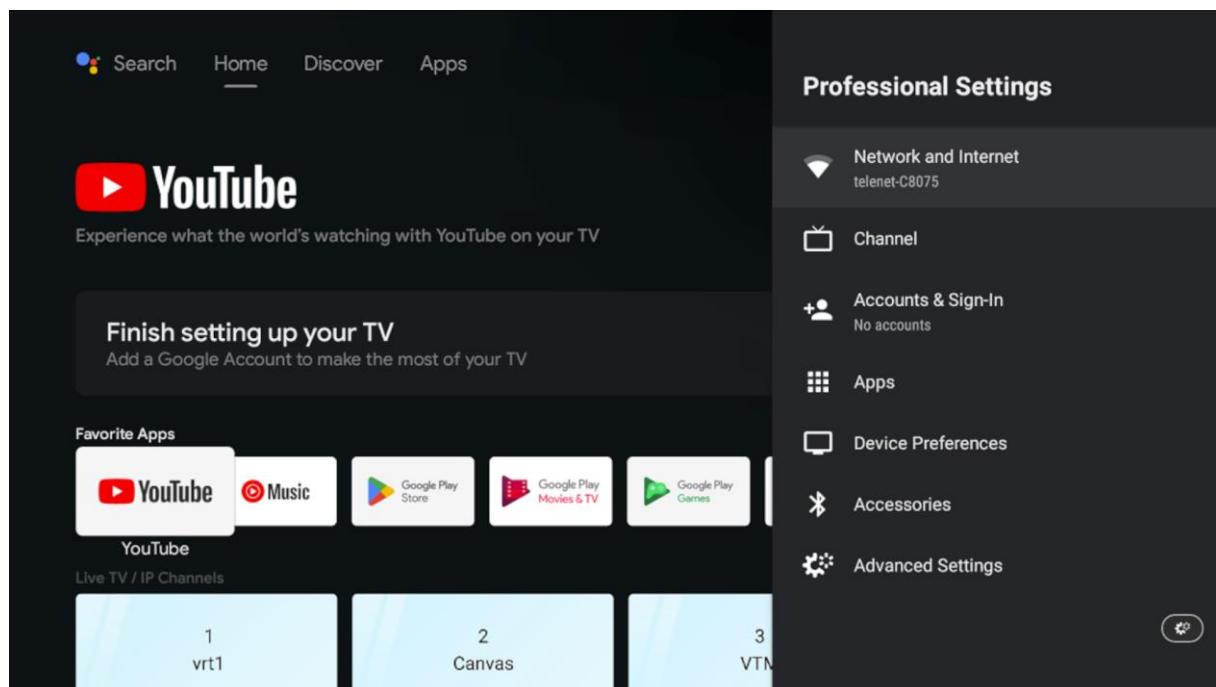
## 2.2 Professional Settings menu

To access the [Professional Settings] menu you have 2 possibilities:

- Using the master remote control (green), press the “RC 6 setup” key and then press the “Setup-icon” button:  

- Using the guest remote control, press the following keys sequentially: “3 1 9 7 5 3 mute” or “mute left right up down ok”

*Note: The special key sequences will not show the [Professional Settings] if [High Security] option is enabled, it will only work using the ‘master RC’*



## 2.3 Software upgrade

For the best guest experience, it is highly recommended to use the latest software version available. Go to: <http://www.philips.com/support/> or <https://www.pfps.com/downloads/>

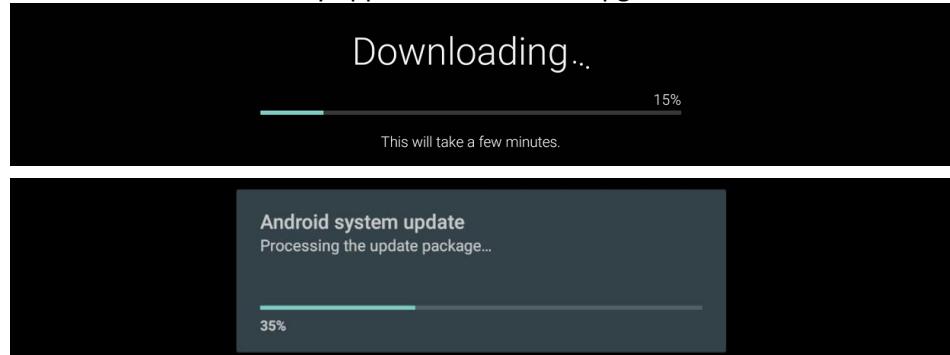
- Select your country, enter the model number and download the latest software version available from the support page



- Unzip the software and follow the instructions how to upgrade the software on the TV
- The USB flash drive used for software upgrade must be formatted as FAT32 and preferably empty to avoid an accidental upload of a wrong setting or software
- **Preparation:**
  - Copy the software (named “autorun.upg”) on the root of the USB stick (FAT32 formatted)

- **Procedure:**

- Start up the TV and wait until it is fully booted up
- Insert the USB stick
- A wizard will automatically appear and start the upgrade to the new SW



- Wait until the process finishes, don't send any RC command to the TV and do not unplug the power cord, the TV will automatically restart and install the system update
- After the update is done and the USB stick can be extracted

The latest software version and cloning data can be stored on the same USB drive for a 2 in 1 action: software upgrade and cloning during the instant initial cloning. See chapter 'Instant Initial Cloning (IIC)' for more information.

## 2.4 Clone folder structure

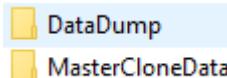
Below you can find the menu structure of a clone file. The content of this will be the same for any xxHFL4518/xx TV.

Depending on your product and region the Clone file can be named TPM215HKN\_CloneData or TPM215HEA\_CloneData. When you clone from TV to USB you will see which of both you need to use. Further we will write TPM215H\*\* that should be replaced with TPM215HEA or TPM215HKN following your needs.

Following is the folder name used in the root of the USB memory device containing the clone data:

- TPM215H\*\*\_CloneData/MasterCloneData/

In the folder 'TPM215H\*\*\_CloneData', there can be multiple folders (so not only 'MasterCloneData'):



- The MasterCloneData is the main master clone file containing all clone data.
- The DataDump contains information for debugging in case of reported problems. It also contains the CSM.txt file containing all details about the TV.
- You can also have a folder called "xxxxxCloneData" where xxxx is the 5 digits of the room number. If the room number matched the roomID set in TV, the TV will use this clone file to program the TV when cloning from USB to TV.

It is advised to use CMND or the TV menu to make changes to the MasterCloneData and not to do this manually.

Just for your information, the menu structure inside the MasterCloneData folder is as:



# PHILIPS

- AndroidApps
- AndroidAppsData
- ChannelList
- MyChoice
- PMS
- ProfessionalApps
- ProfessionalAppsData
- SmartInfoBrowser
- TVSettings

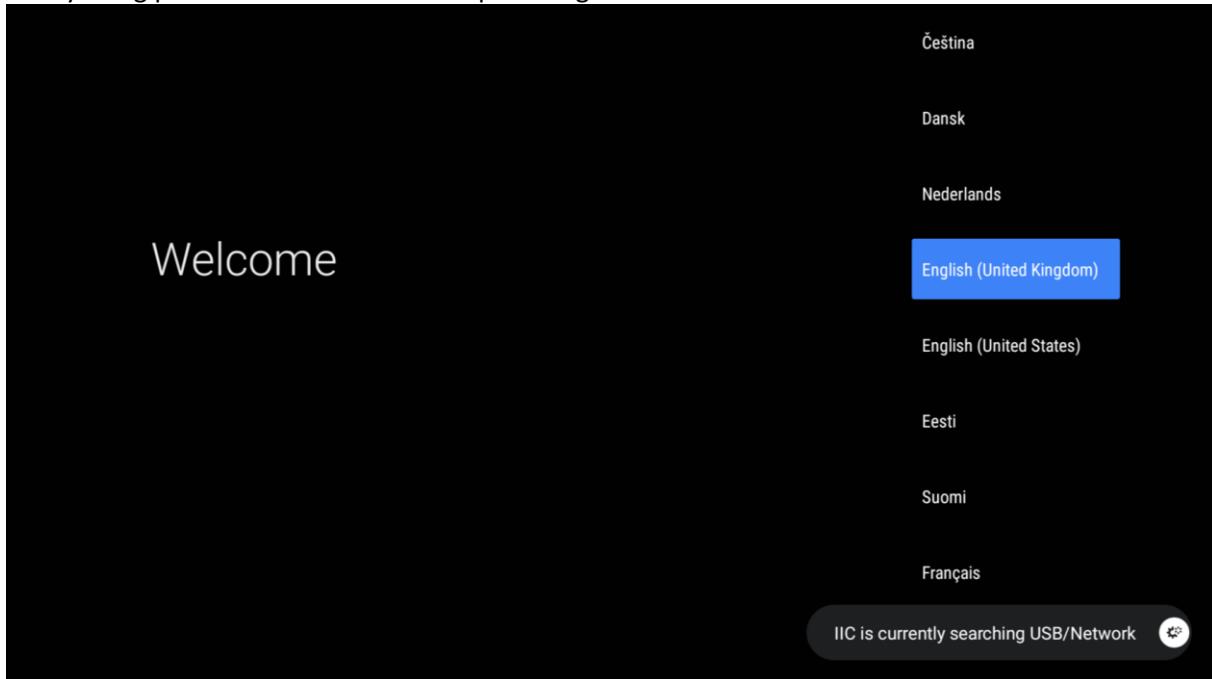
*Note that the folder names are case sensitive*

### 3. Find out the state of the TV

It's important to determine whether a TV is in its initial "Virgin" mode (out of the box) or if it has been previously set up. A newly purchased TV will be in Virgin mode upon installation.

#### 3.1 Virgin mode

If you can see below screen, you know that the TV is in 'out of the box' state and you can install the set by using procedure described in chapter 'Virgin installation – IIC' of this manual.



#### 3.2 Professional Mode ON/OFF

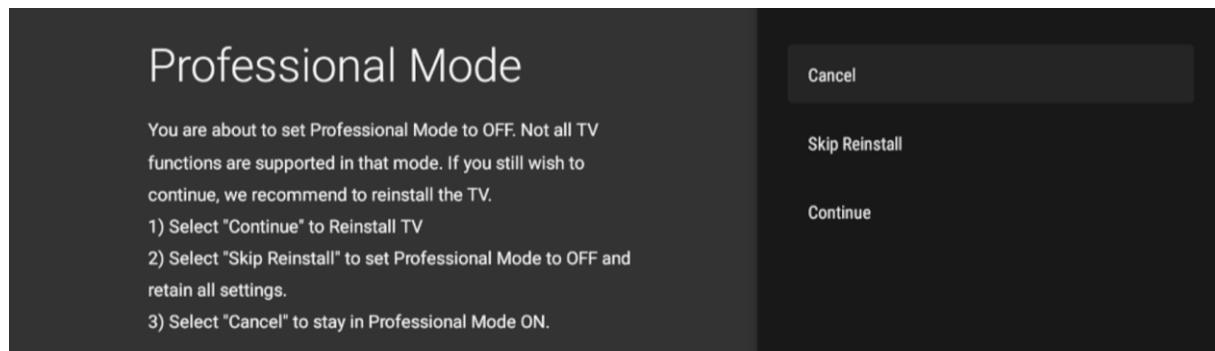
If the TV has already been set up, it's necessary to verify whether the Professional Mode is activated. The hospitality-specific functionalities such as 'Switch on channel' and 'Switch on feature' only operate when the Professional mode is turned on.

To confirm the status of the **[Professional Mode]**, access the Professional Menu and navigate to **[Advanced Settings] [Advanced] [Professional Mode]**.

In case you want to enable or disable this option you will need to follow the steps on the screen and reinstall the TV.

The TV is only to be used having **[Professional Mode]** enabled, you are able to disable it but in this case your TV is out of warranty and you still can use it as a consumer TV in a second life.

*Note: No support will be given in case of [Professional Mode] being disabled*



### 3.3 CSM (Customer Service Menu)

The CSM contains data about the TV software, serial number and other details. The menu can be accessed using a standard remote control or using the master remote control.

- First go to a channel or a source like HDMI1 in case you don't use the master RC
- Using a RC with digits: **“1 2 3 6 5 4”**
- Using a RC without digits: **“Mute Right Left Down Up OK”**
- Using the master RC **“Info/CSM”**

*Note: When you enter the CSM menu using the key code a text file (CMS.txt) will be written to your USB memory device if it's connected to your TV in order to have a copy of the CSM data.*

You can navigate the list of details using **“Up/Down”**.





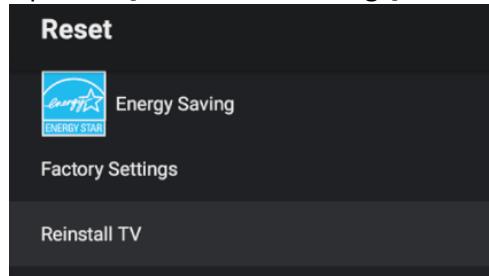
## 4. Reinstall TV

### 4.1 Reinstall the TV manually

If you want to start an installation from scratch you can always reinstall the TV. All settings will be reset to the default values and channel list will be cleared.

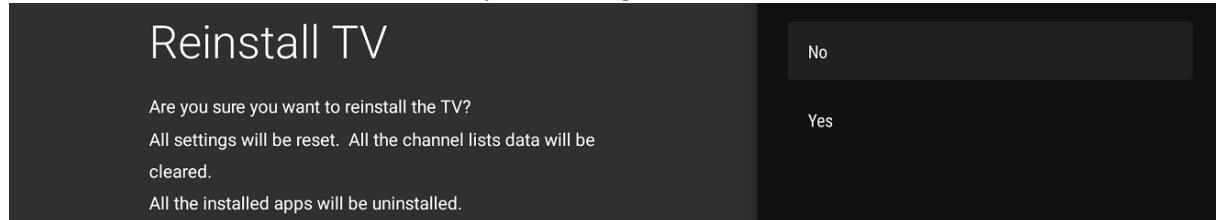
*Note that some settings like webservice url, roomID, manual date and time, professional mode and professional menu pin lock will not be reset, if you want these settings to be changed you will need to do this after the reinstallation has finished.*

Open the [Professional Settings] menu and navigate to the [Advanced Settings][Reset] menu.



*Note that for EU products the logo will not be shown.*

Press “OK” on the [Reinstall TV] menu, you should get below screen.



*Note that depending on your country and settings, a PIN code can be requested.*

Select [Yes] and press “OK” to reinstall the TV. You will see that the TV will apply a reset and restart into IIC mode.

### 4.2 Reinstall via a script in the clone file

To automatically reinstall the TV, load a new clone file and load new SW you can use this script. In the ‘MasterCloneData’ folder you can add a folder called ‘Script’. In this folder you have to put a script called ‘Script.xml’.

This xml file has as content below:

```
<?xml version='1.0' encoding='UTF-8' ?>
<Script>
<SchemaVersion MajorVerNo="1" MinorVerNo="0" />
<Activity>
<Action>ReinstallTV</Action>
</Activity>
</Script>
```

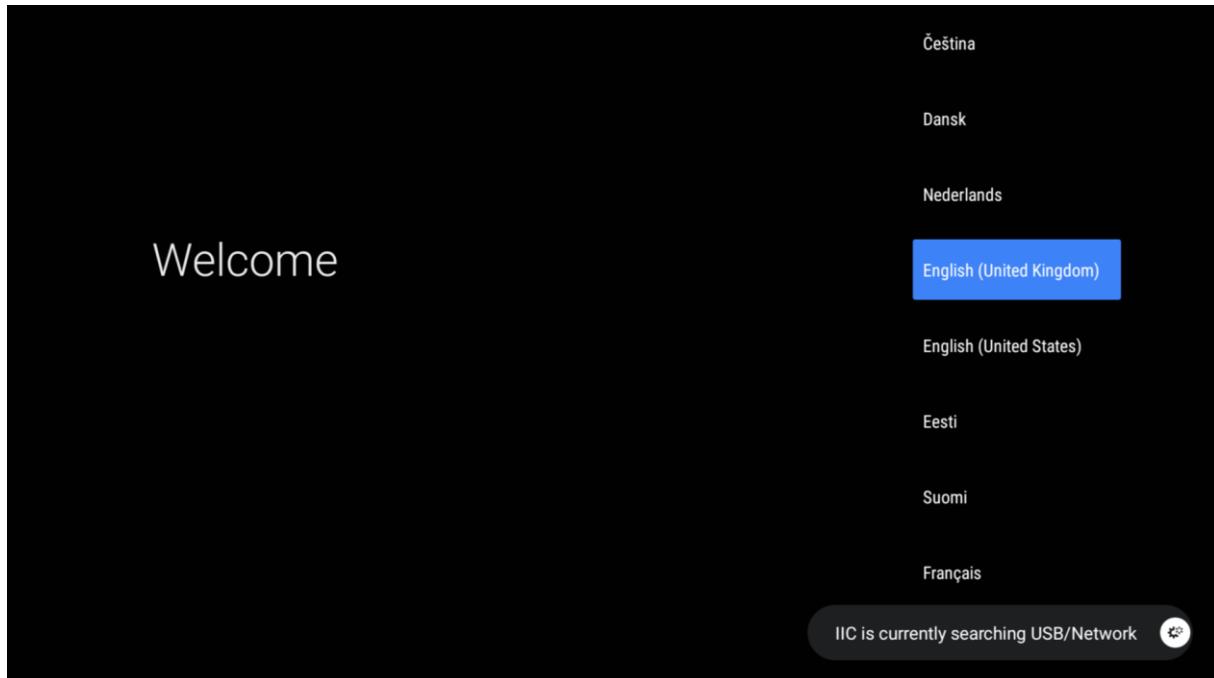
If you have this file in the correct location and you Clone USB to TV then in the beginning of the cloning process the TV will give a notification ‘Reinstall TV’ and the TV will be reinstalled.

After the reinstallation the TV will be in IIC mode, if you have new SW on the USB memory device the TV will be upgraded, after this the new clone file will be loaded to the TV.

## 5. Virgin installation – Instant Initial Cloning (IIC)

Out of the box a new TV will be in virgin mode. This means that you will have to go through the wizard. You might need to wake up the TV from standby.

When starting up the TV in virgin mode you will see the first screen where you can select your language. The TV is now searching on USB and Network for a new clone file and/or a software update. You can see this message in the bottom of the screen.

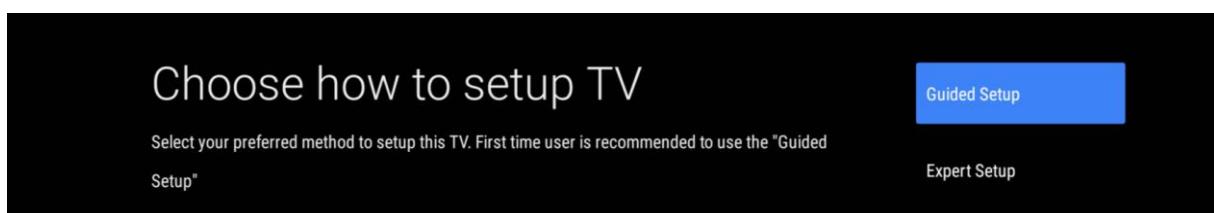


### 5.1 Making a clone file

If there is no need to load a clone file in this TV (for example if you want to make a new installation to create a master clone file) then you need to select your **[language]** and press **“OK”**

*Note that in meantime the TV will scan for clone and software and will automatically start downloading when found, if the download is done, the installation will happen after a timeout shown on screen*

Next you need to choose **[Guided Setup]** if you want to install channels, connect external devices and install apps in a guided way or **[Expert Setup]** if you want to configure this in the professional menu. Press **“OK”** to go to the next screen



Next screens are to connect to the network. This flow will be depending if your TV is connected via a network cable or if you have to connect to Wi-Fi

You can **[Continue]** or **[Change network]** according to your preference



# PHILIPS

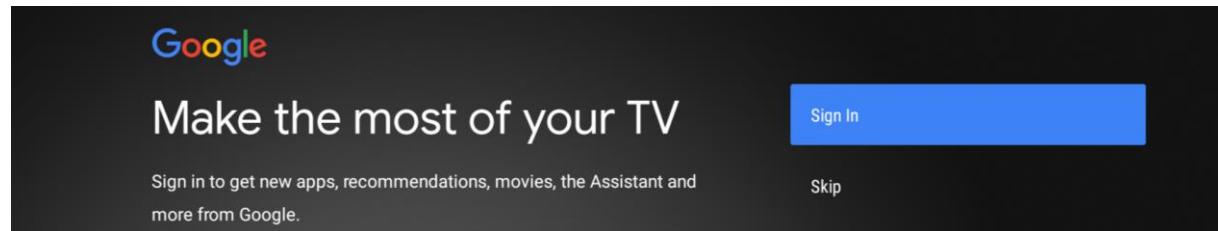
You're connected using  
Ethernet

Continue

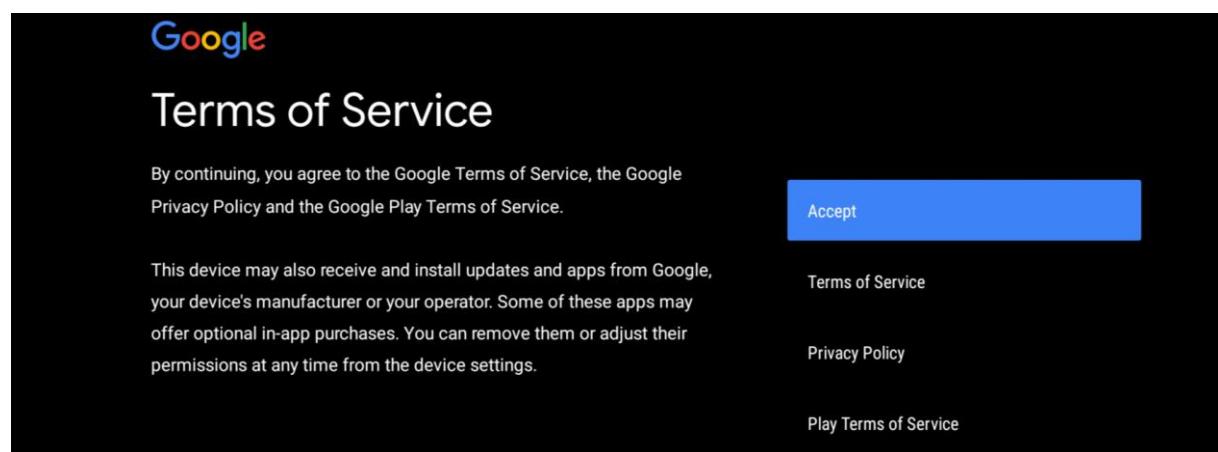
Change network

After you [Continue], in the next screen you can [Sign In] to your google account or [Skip] to the next screen

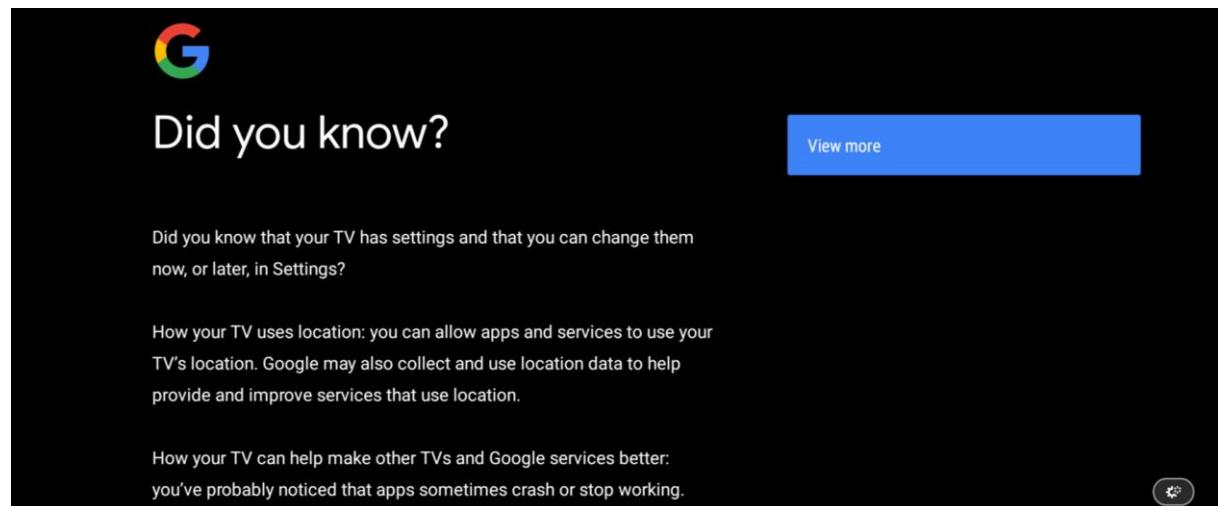
*Note that if you want to [Sign In] you can find how to do this further in this manual*



In the next screen you can read the [Terms of Service], the [Privacy Policy] and the [Play Terms of Service]. You can read them and [Accept] to go to the next screen

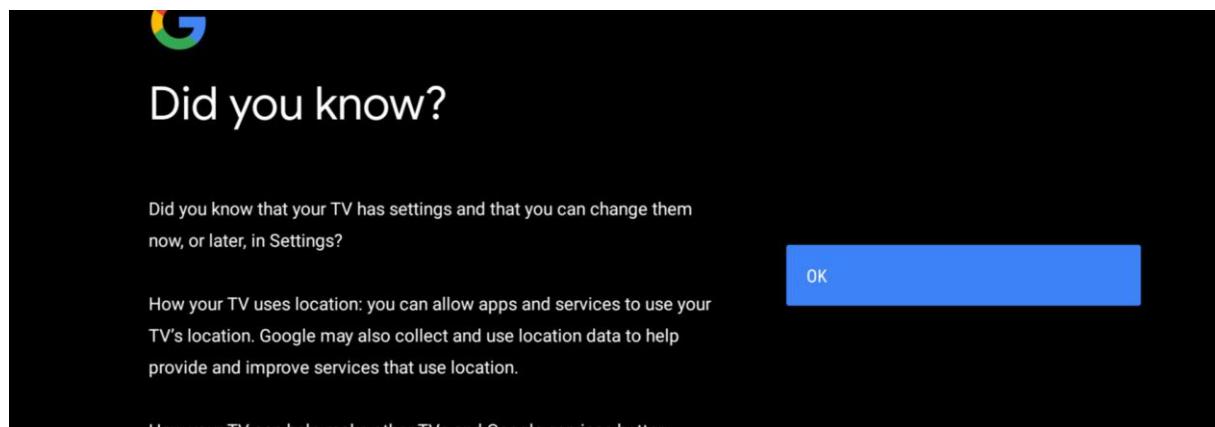


In the next screen you can read some information from google. You need to choose [View more] to go to the next screen and go again to the next screen using [OK]





PHILIPS



Did you know?

Did you know that your TV has settings and that you can change them now, or later, in Settings?

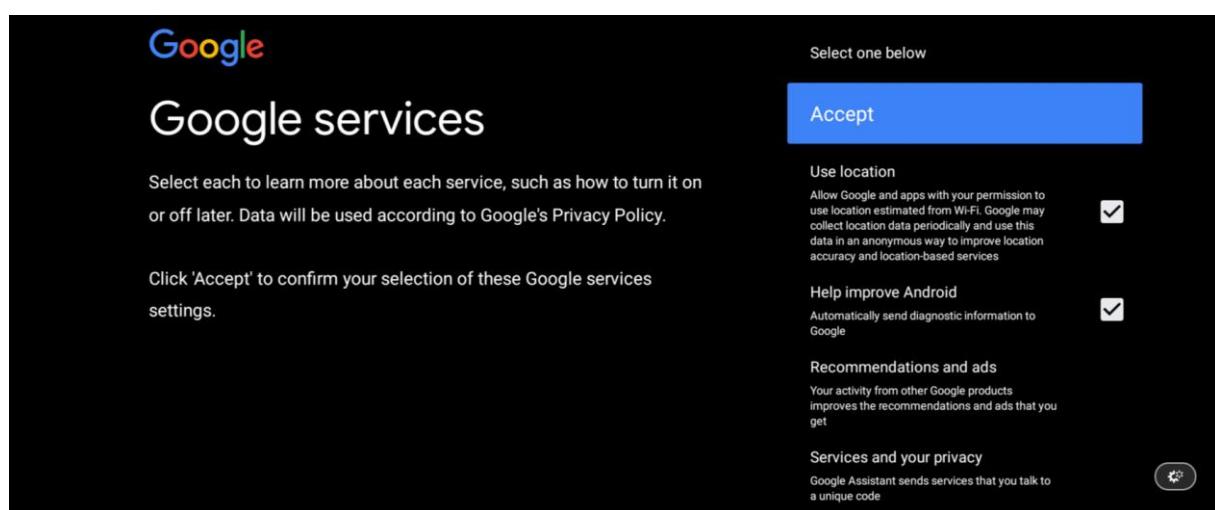
How your TV uses location: you can allow apps and services to use your TV's location. Google may also collect and use location data to help provide and improve services that use location.

How your TV can help make other TVs and Google services better.

OK

In the next screen you have to **[Accept]** the Google services to go to the next screen. You can enable or disable **[Use location]** and **[Help improve Android]** and read details related to **[Recommendations and ads]** and **[Service and your privacy]**

*Note that these settings cannot be cloned so its better not to change them*



Google

## Google services

Select each to learn more about each service, such as how to turn it on or off later. Data will be used according to Google's Privacy Policy.

Click 'Accept' to confirm your selection of these Google services settings.

Select one below

Accept

Use location

Allow Google and apps with your permission to use location estimated from Wi-Fi. Google may collect location data periodically and use this data in an anonymous way to improve location accuracy and location-based services

Help improve Android

Automatically send diagnostic information to Google

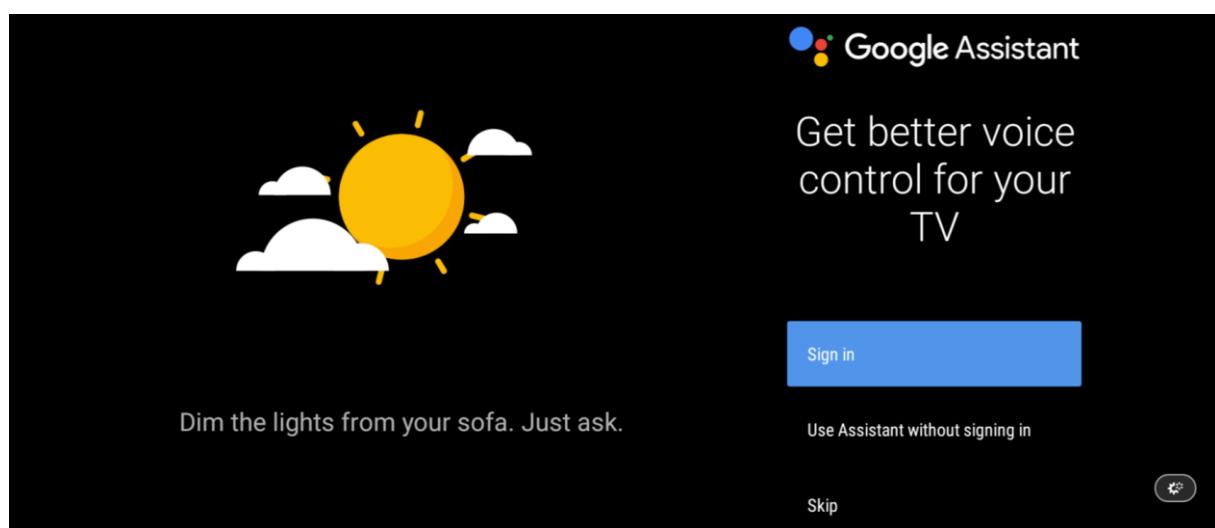
Recommendations and ads

Your activity from other Google products improves the recommendations and ads that you get

Services and your privacy

Google Assistant sends services that you talk to a unique code

In the next screen you get a screen for Google Assistant where you can **[Sign in]**, **[Use Assistant without sign in]** or **[Skip]**. If you **[Skip]**, you can still sign in later once the installation is completed.



Google Assistant

Get better voice control for your TV

Sign in

Use Assistant without signing in

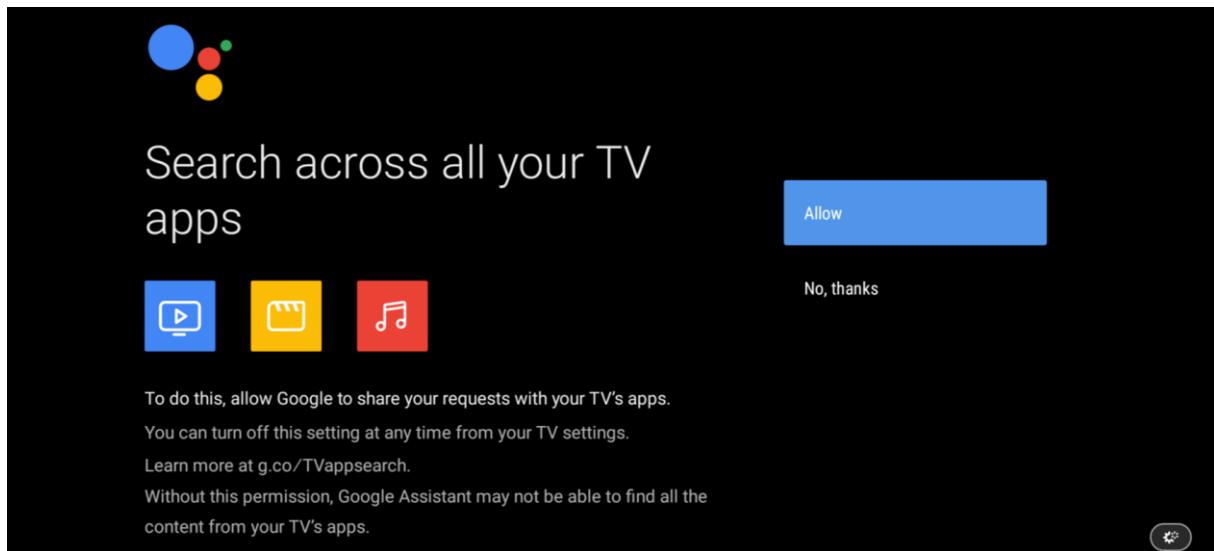
Skip

Dim the lights from your sofa. Just ask.

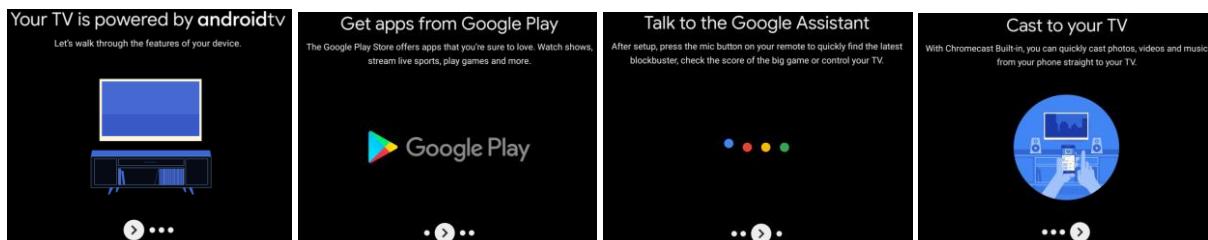


# PHILIPS

In the next screen you can [Allow] google to search through all the apps installed on TV or select [No, thanks] to go to the next screen

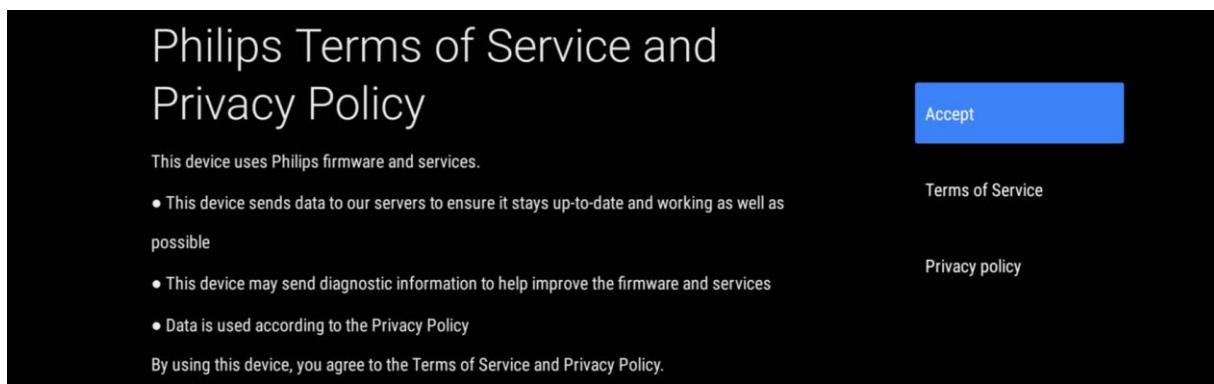


In the next screens you see some details about the TV. Press “**Right**” or “**OK**” to go to the next screens



In the next screen you can read the [**Terms of Service**] and [**Privacy policy**] for Philips. The Privacy policy can be set [**On**] or [**Off**].

You can [**Accept**] to go to the next screen.





**PHILIPS**

## Terms of Service

### SMART TV TERMS OF SERVICE

SMART TV TERMS OF SERVICE Date: March 2021

THESE SMART TV TERMS OF SERVICE ("TERMS") SET OUT THE TERMS PURSUANT TO WHICH TP VISION EUROPE B.V. ("WE" or "US") IS WILLING TO PROVIDE YOU, OR THE LEGAL ENTITY REPRESENTED BY YOU, ("YOU" or "YOUR") WITH ACCESS TO THE SMART TV SERVICE OFFERED BY US ON YOUR DEVICE.

OK

## Privacy Statement

### Welcome to Philips Smart TV!

#### Introduction

This Philips Smart TV is presented to you by TP Vision Europe B.V., located at Prins Bernhardplein 200, 1097 JB Amsterdam, the Netherlands, which is a subsidiary of TPV Technology Limited. We are the exclusive brand-licensee of Koninklijke Philips N.V. for televisions in (among others) Europe. This privacy statement applies to processing carried out by TP Vision Europe B.V. as a data

OK

## Privacy Settings

In case you give us your consent we collect analytics data like "app click behavior", "channel zap behavior" and other interaction that you may have with your Smart TV, for example the time and date of a "click" in the Smart TV menu. It will also store data on hardware/software related failures and the information on the interaction with your Smart TV just before the failure occurred. Your Smart TV will send this information to our servers for the purpose of problem solving and to use experiences for future improvements of our products.

The legitimate ground for processing this Personal Data is to offer

On

Off

In the next screen you can read the Firmware Update Consent and select [Yes] or [No] to go to the next screen, by selecting [Yes] you enable the possibility that TV software gets upgraded automatically when required.

## Firmware Update Consent

### NOTICE

### SOFTWARE END USER LICENSE AGREEMENT

THIS SOFTWARE END USER LICENSE AGREEMENT (THIS "AGREEMENT") IS A LEGAL AND BINDING AGREEMENT BETWEEN YOU (EITHER AN INDIVIDUAL OR ENTITY) AND TP VISION EUROPE B.V. A DUTCH LIMITED LIABILITY COMPANY, WITH ITS PRINCIPAL OFFICE AT PRINS BERNHARDPLEIN 200, 1097 JB AMSTERDAM, THE NETHERLANDS AND ITS SUBSIDIARY COMPANIES (INDIVIDUALLY AND COLLECTIVELY TP VISION). THIS AGREEMENT GIVES YOU THE

Yes

No

In the next screen you will see a Signing On message and later the TV will search for new software. If new SW is found you need to install it by following the steps on screen.

The TV is searching for new software.



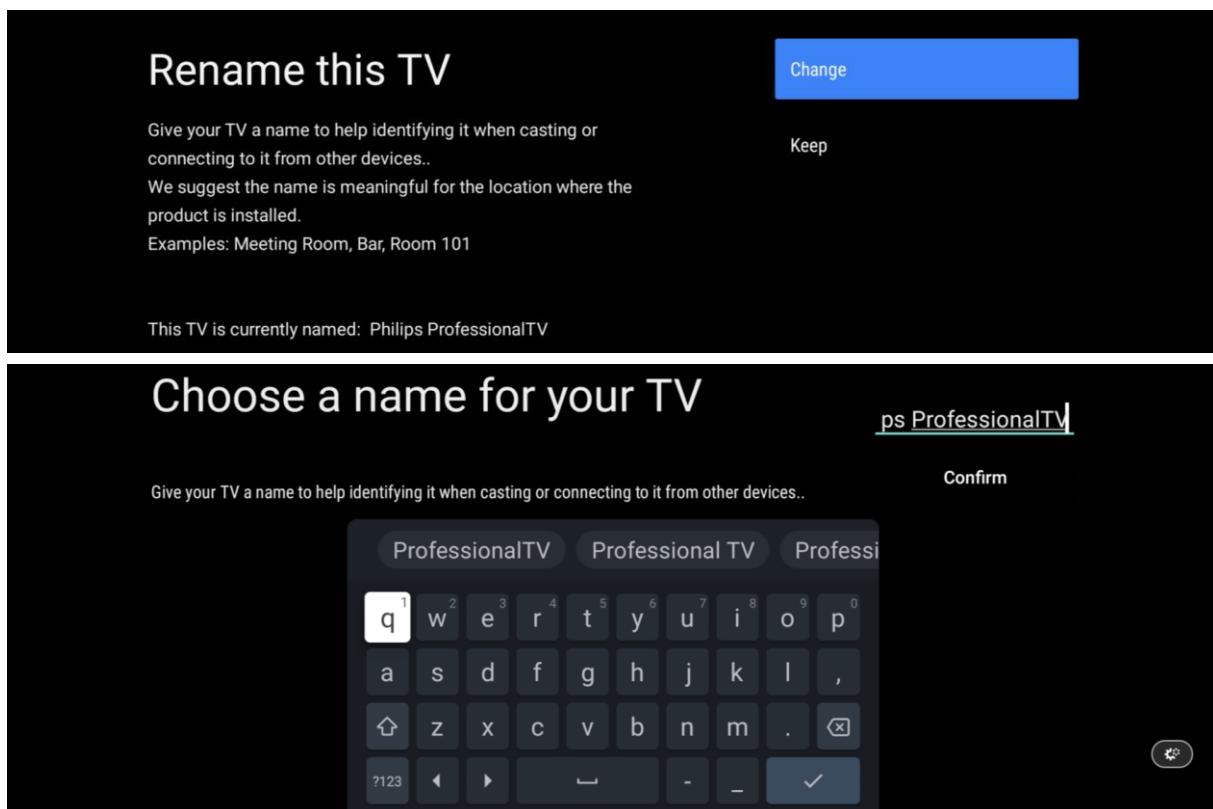


# PHILIPS

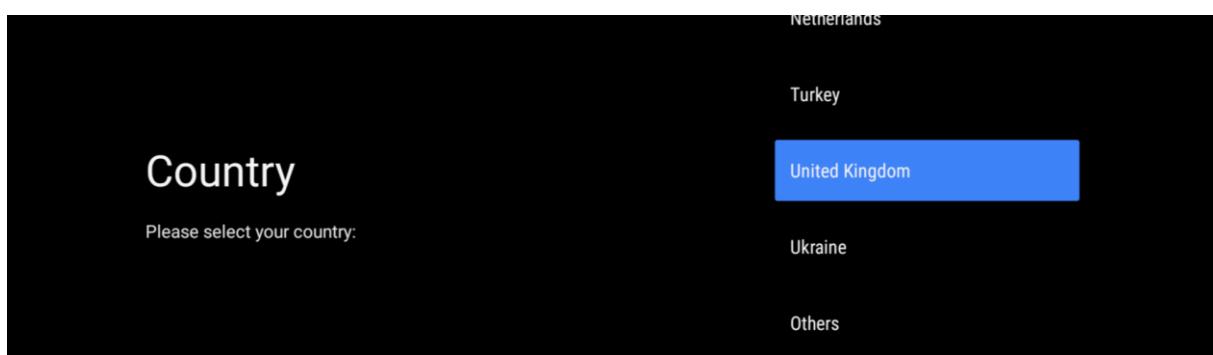
## 5.1.1 Guided Setup

If you choose [Expert Setup] some screens back, you need to go to the next chapter.

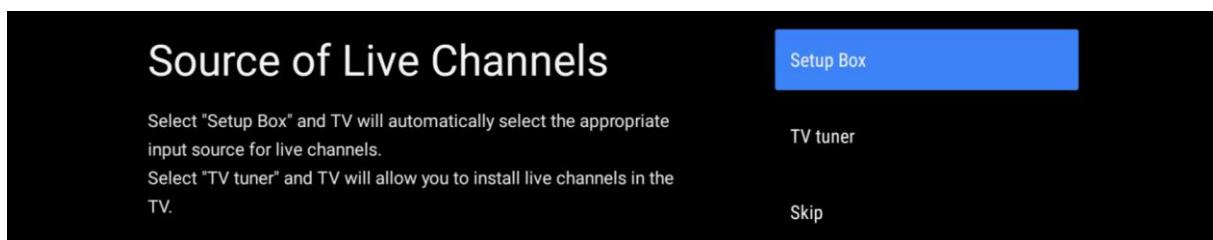
If you choose [Guided Setup] you can rename the default TV name using [Change] or select [Keep] to keep the default name and go to the next screen



In the next screen you can set your country and region (if applicable), using “OK” you can go to the next screen



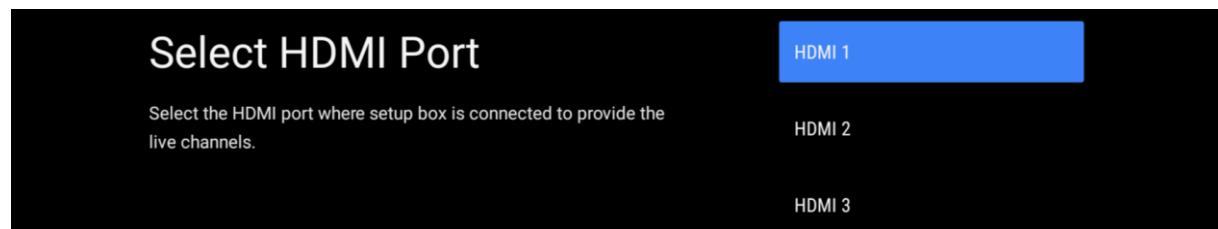
In the next screen you need to set your source for live channels to [Setup Box], [TV tuner] or [Skip]





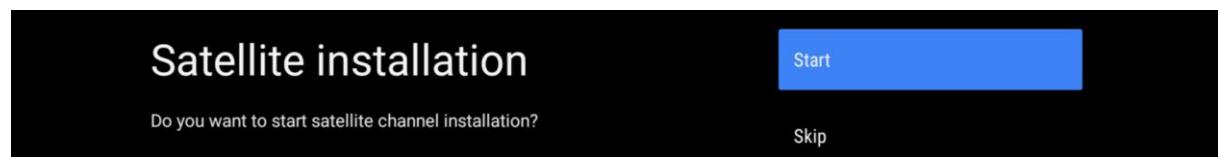
# PHILIPS

If you select **[Setup Box]**, you can select **[HDMI 1]**, **[HDMI 2]** or **[HDMI 3]**



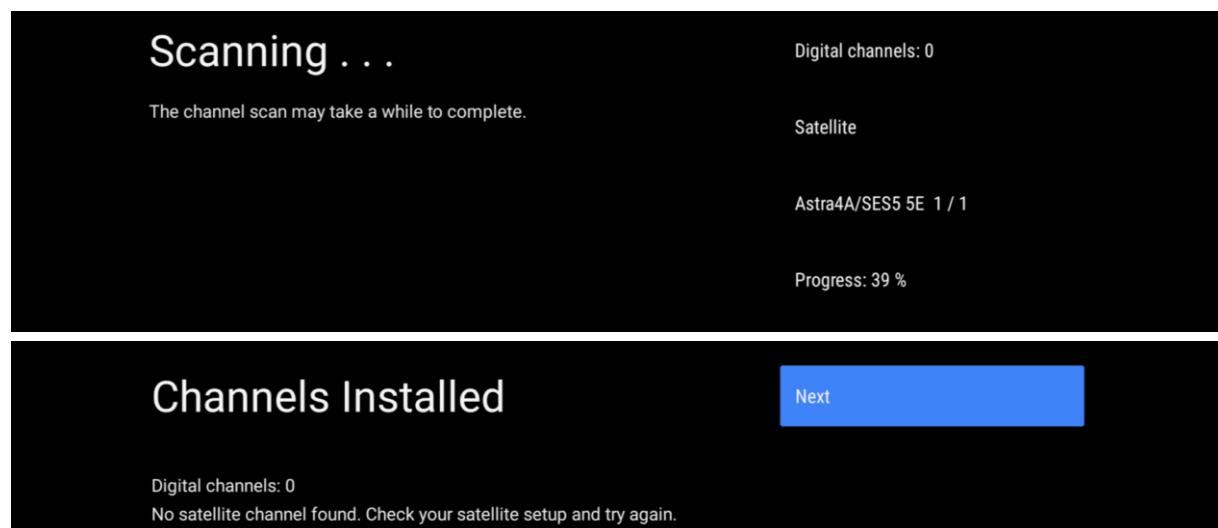
If you selected **[TV tuner]** instead, you can search for channels. Depending on your hardware and country settings you might or might not see the following screens.

If your hardware supports satellite you can **[Start]** or **[Skip]** to go to the next screen.

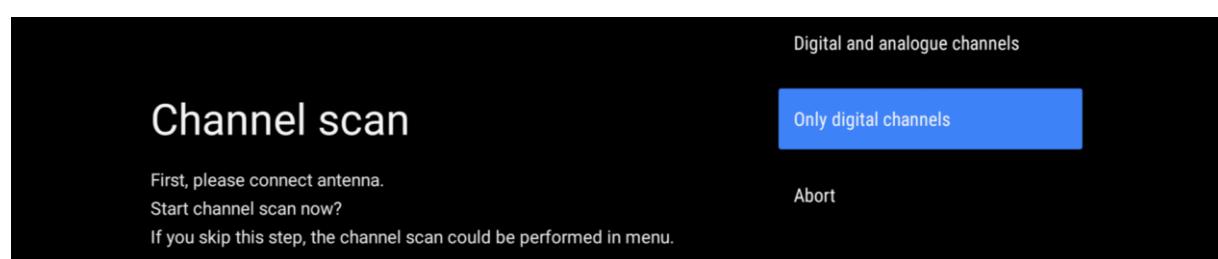


If you select **[Start]** you will need to follow the steps on screen to set the Satellite antenna type, your satellite list and LNB settings according to the satellite you are using.

Once you **[Start]** the scanning you will see the progress on screen. Once done, it will show you the number of installed channels and you can go to the **[Next]** screen



Next you can scan for channels on antenna and choose **[Digital and analogue channels]** or **[Only digital channels]** or **[Abort]** to go to the next screen.



Again, you will see the progress followed by the result. You can go to the **[Next]** screen



# PHILIPS

## Scanning .

Digital channels: 0

The channel scan may take a while to complete.

Progress: 32 %

## Channels Installed

Digital channels: 0

Next

Next you can scan for channels on cable and choose **[Digital and analogue channels]** or **[Only analogue channels]** or **[Only digital channels]** or **[Abort]** to go to the next screen. In the next screens you can set some specific cable scan configuration setting

## Channel scan

Digital and analogue channels

First, please connect cable.

Start channel scan now?

If you skip this step, the channel scan could be performed in menu.

Only analogue channels

Only digital channels

Abort

## Cable scan configure

Scan mode Quick

Please configure the cable info.

Use 'OK' key to set value and 'RIGHT' key to go to next page.

Frequency (kHz) 306000

Network ID Auto

Once scanning started, you will see the progress followed by the result. You can go to the **[Next]** screen

## Scanning .

Digital channels: 0

The channel scan may take a while to complete.

Progress: 10 %

## Channels Installed

Digital channels: 0

Next

In the next screen you can start to install Apps by selecting **[Play Store]** to start. Once you have installed all the apps you want you can **[Finish]** to go to the next screen.



# PHILIPS

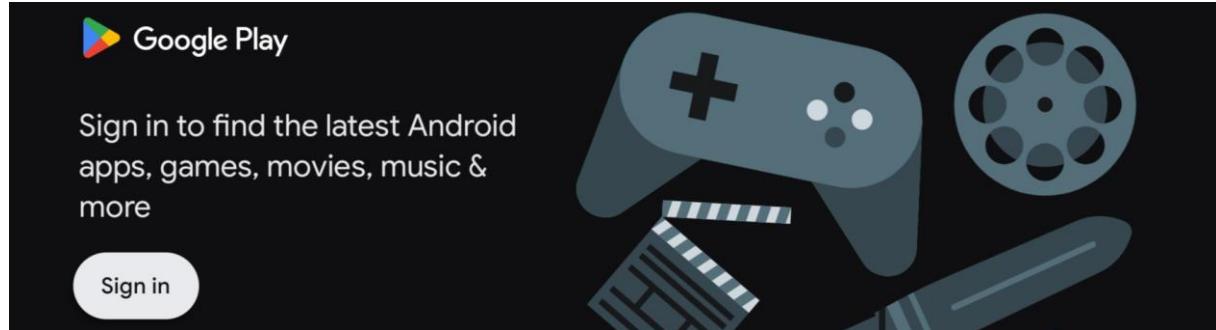
## Install Apps

Play Store

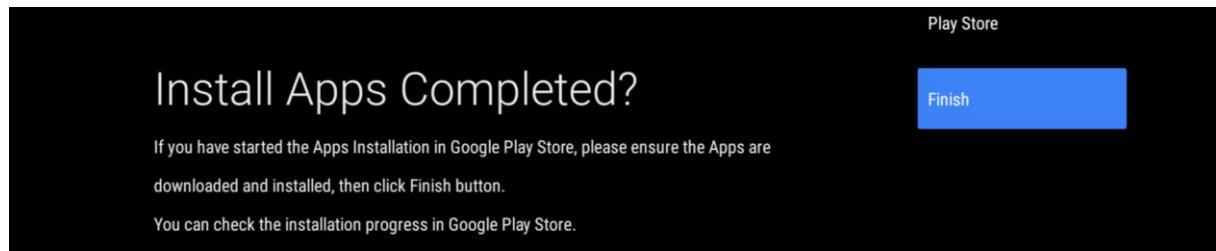
Skip

Do you wish to add additional Apps from Google Play Store?  
Apps that are added at this moment will be stored persistently and  
will only be removed after performing a factory reset.  
If you have selected apps to be installed from Google Play Store,  
please make sure the app installation has been completed before  
continuing to the next step.

If you selected **[Play Store]** to install apps you can **[Sign in]** using your google account details and search for the apps you want and install them.



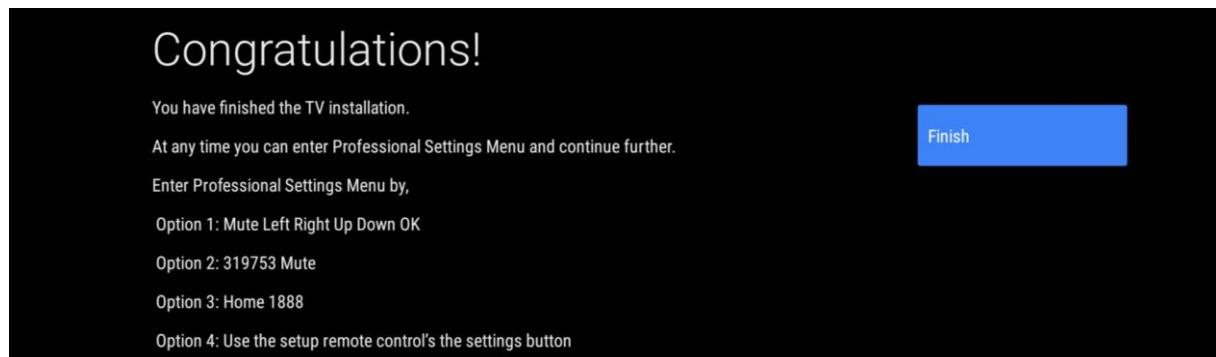
Details on how to do this can be found in the chapter 'Installing Apps using Google Play Store'. Once done you can use **"Back"** to go back to the previous screen and press **[Finish]** to go to the next screen.



The apps you installed will be stored in an 'AutoProfile', more details about what this is can be found in the chapter 'Manage Apps'. The generated name of this profile can be found back in the professional menu.

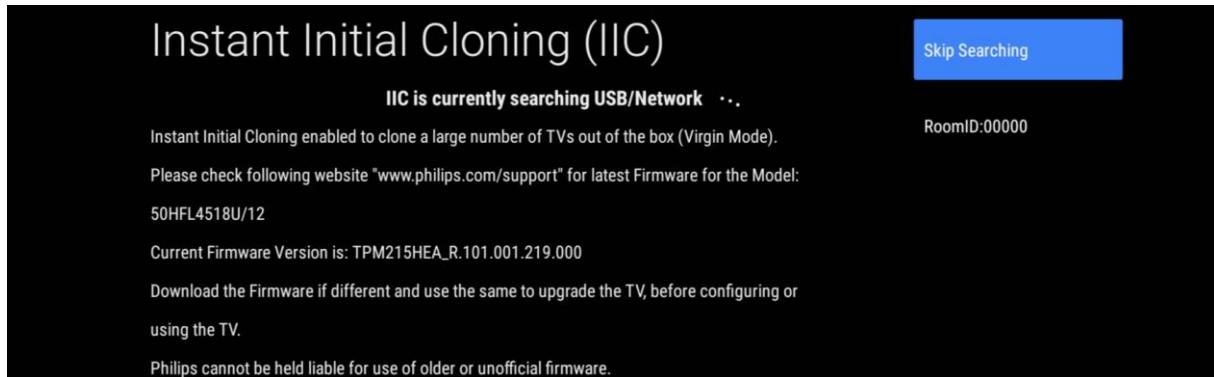
*Note that you need to wait until the apps are installed before exiting the Play Store again.*

In the last screen you see a message that you finished the installation. You see some information on how to enter the professional settings menu. You can now press **"OK"** on **[Finish]** to exit Virgin mode and go to the professional menu.

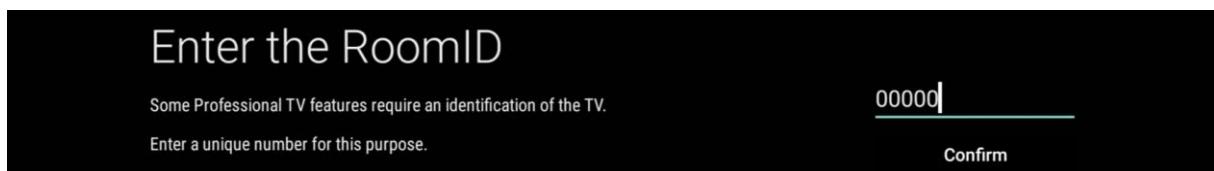


### 5.1.2 Expert Setup

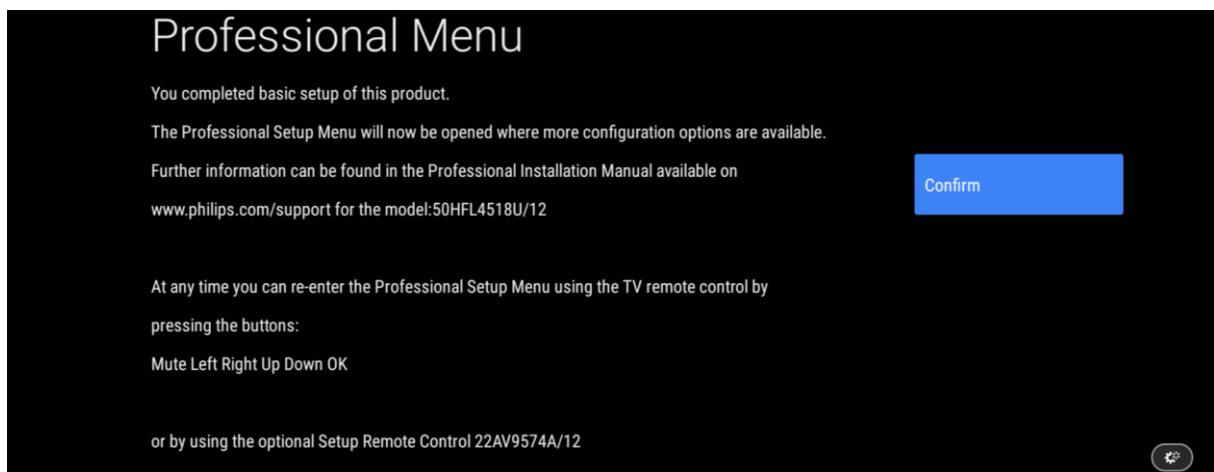
If you choose **[Expert Setup]** some screens back, the next screen you will see is that the TV is in IIC mode. The TV is now searching on USB and network for clone file and software.



You can **[Skip Searching]** to finish IIC mode and go to the professional menu or you can change the **[RoomID]** for the TV



If you **[Skip Searching]**, you will get a screen to **[Confirm]** to exit the virgin mode.

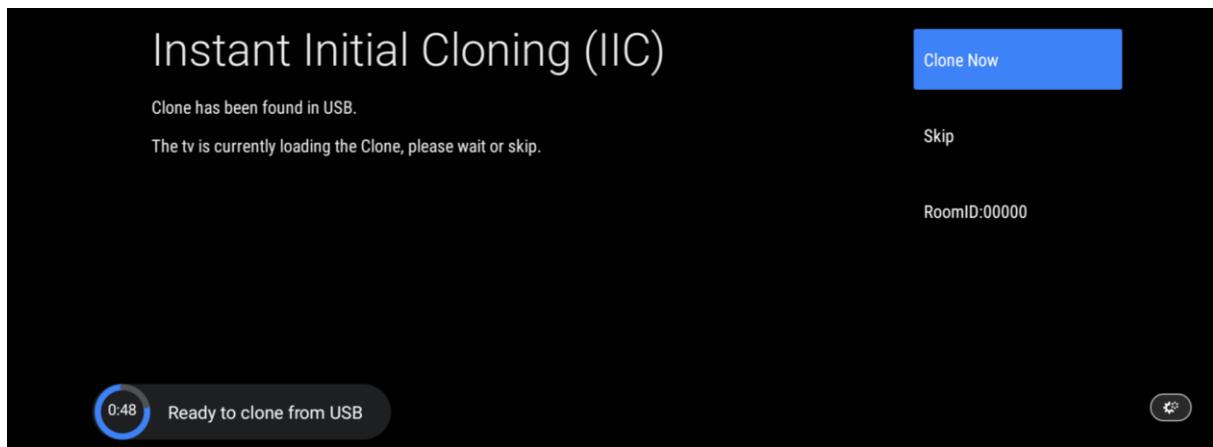


If you wait and a new SW or clone has been found during the search, it will be downloaded to TV, you can still change the **[RoomID]**, **[Skip]** or **[Clone Now]**. Once found, a countdown at the bottom of the screen is counting down (1 minute) to automatically start.

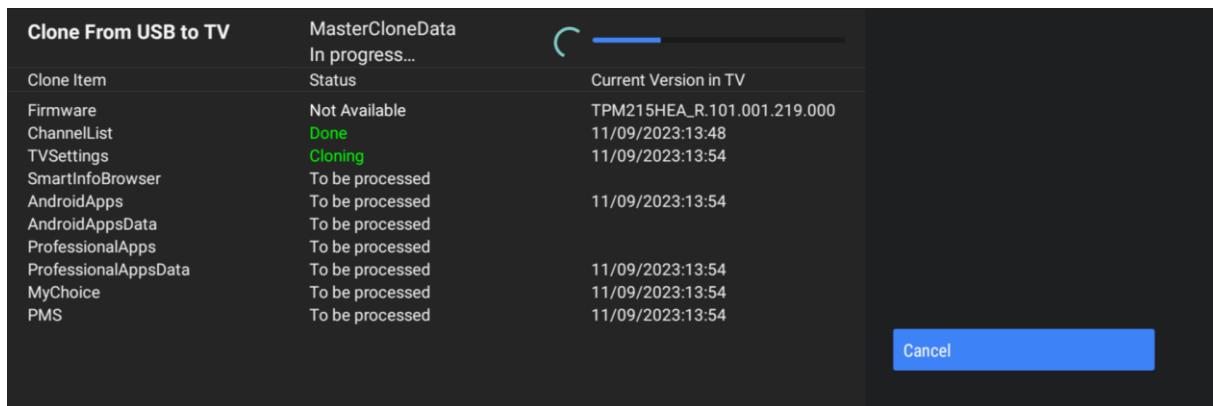
*Note that a clone or SW can be found on USB or on the network. In below screenshots it's from USB.*



# PHILIPS

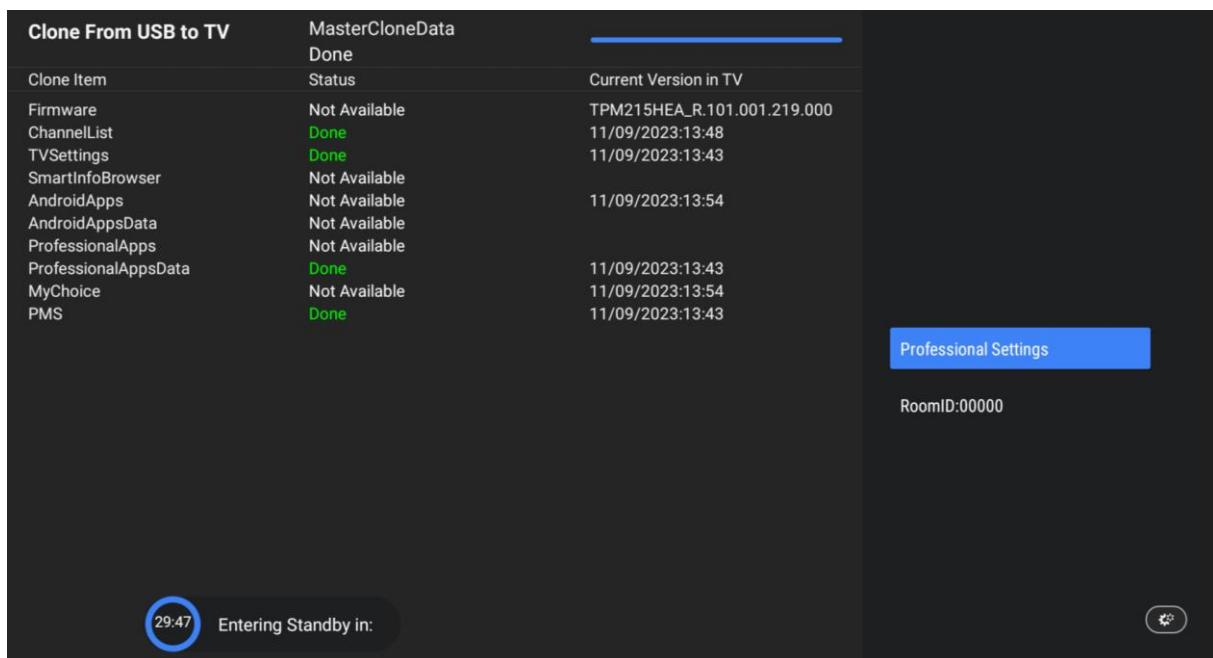


Once the countdown is done or you choose [Clone Now] below screen will be shown to show the progress of the cloning and/or software upgrade.



You can [Cancel] this process and then you can still change the [RoomID] or [Re-start IIC]. After a countdown of 3 minutes the TV will automatically re-start IIC.

Once the cloning is successful you can go to the [Professional Settings], still changed the [RoomID] or wait 30 minutes until the TV will automatically go to standby.





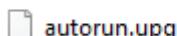
## 5.2 Software update and using an existing clone file

If you want to upgrade the TV software and load an existing clone file you have to follow the steps below.

*Note that below example is when using a USB stick, both SW and Clone can also be loaded via the network depending on your setup. This is explained in the CMND manuals.*

- Disconnect the TV from the mains power
- Insert a USB memory device with both the new SW (See chapter "Software upgrade") and the clone file you want to load in the TV

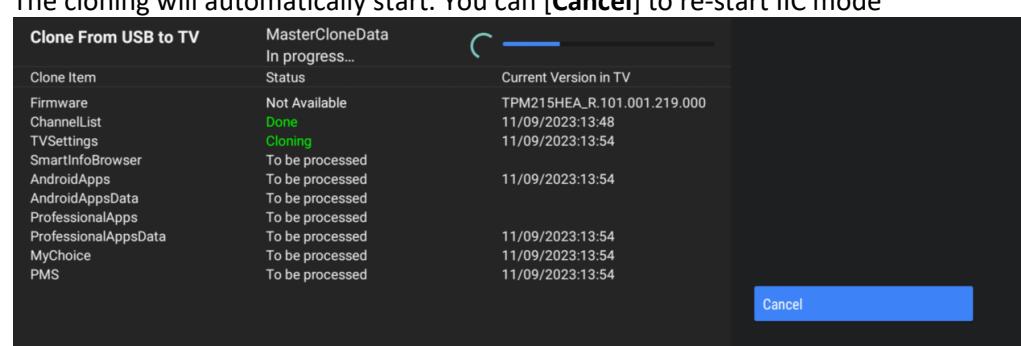
You must see the following 2 files in the root of your USB memory device (remove all other files and folders) *Note that both folder name and the upg file are case sensitive. If multiple clone files are on a USB memory device, the "MasterCloneData" will be used for cloning*



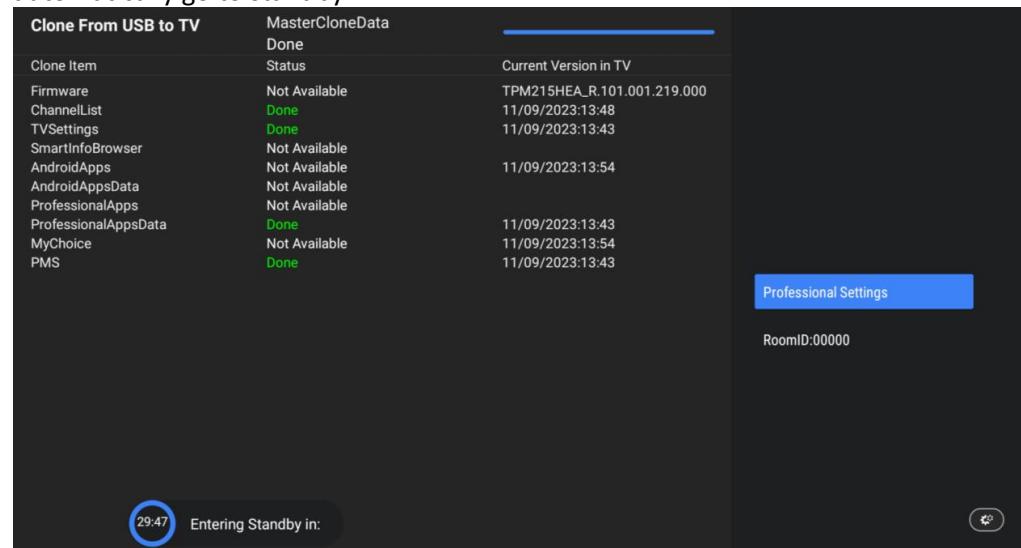
- Connect the mains power to the TV
- Wake up the TV from STBY if required
- The TV will automatically scan the USB and the network while in IIC mode to detect the software and the clone file and will automatically upgrade both
- During this process you will see following:
  - Detection of the Software and Clone file depending on your configuration, in below screenshot only the clone file is mentioned.

You will see a countdown of 1 minute in the bottom of the screen.

The cloning will automatically start. You can [Cancel] to re-start IIC mode



- Once done, a countdown will start of 30 minutes, after this time the TV will automatically go to standby

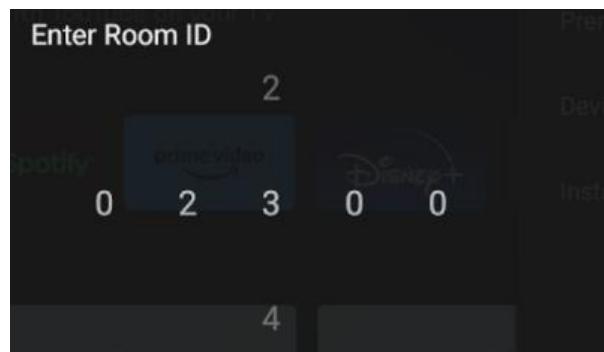




# PHILIPS

*Note that if you are installing software, you might see the TV restarting and a waiting animation. The software update might take several minutes. All depends on the file size and download speed.*

You can also still go to the [Professional Settings] or change the [RoomID]



## 6. Professional Settings

### 6.1 General information

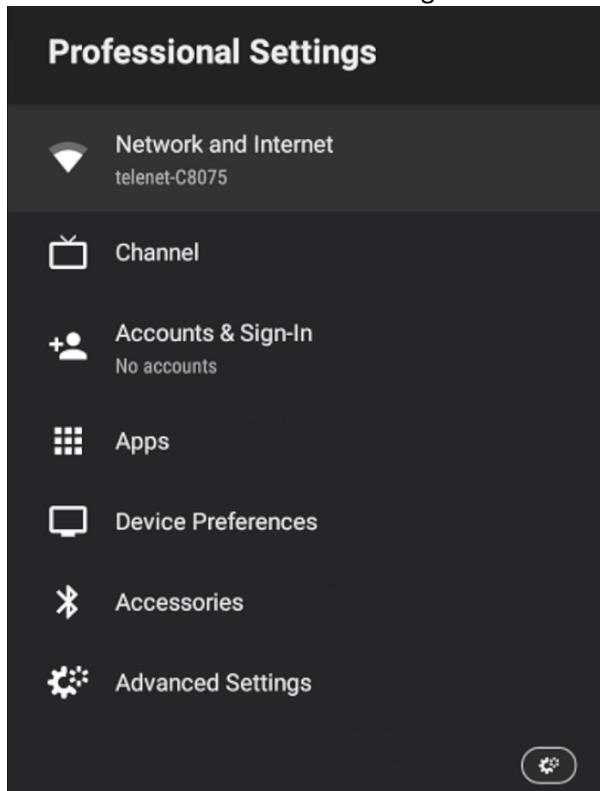
In this chapter, you can find information about all professional settings that can be changed. To start you have to open the [Professional Settings] menu. Using the guest remote control, press the following keys sequentially: “3 1 9 7 5 3 mute” or “mute left right up down ok”.

Some of the menu items that are explained in the ‘Professional Settings’ chapter might or might not be available depending on your region as this manual covers multiple regions.

If you see a label like below, this will not be shown in EU products.



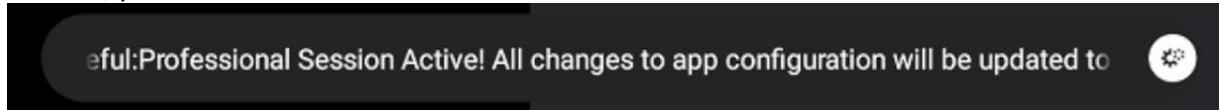
You will see below screen on the right side of the screen.



#### 6.1.1 Professional session

This professional session is a session where the Professionals such as SI or Owner of the Device, can make changes persistent (to TV or Server depending on features and functions).

When you enter the professional menu a “Professional Session” will be active. As long as this session is active, you will see below notification onscreen.



Once the text is shown, this will change into an icon in the right bottom corner of the screen.



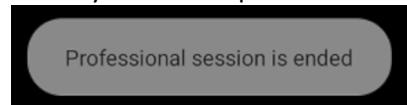


# PHILIPS

If you do not see this icon, it means you are in Guest mode and all changes done will be reset/cleared/deleted depending on the [Clear User Data].

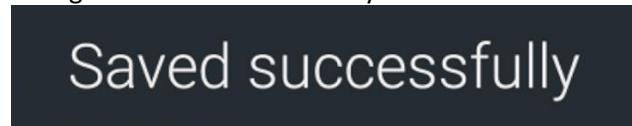
### 6.1.2 Store settings in the Professional Settings menu

When you exit the professional menu, you will see below message:

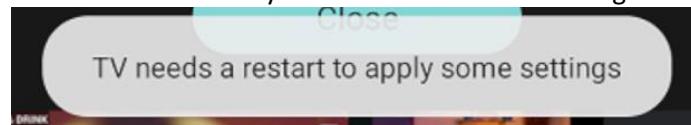


There is no need to reboot the TV.

Sometimes when you go through some full screen menu's you will see at the end a message that the changes are saved successfully.



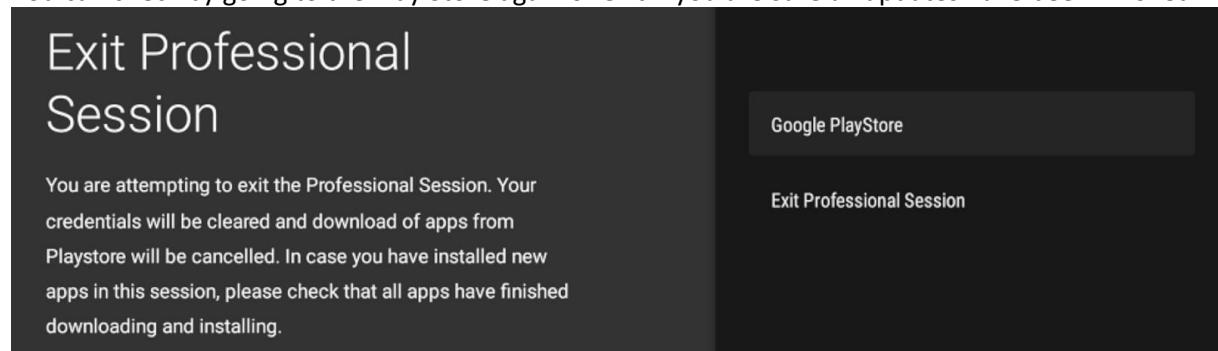
If a reboot is needed you will see the below message. This could happen for example after cloning.



### 6.1.3 Exit Professional menu after installing apps

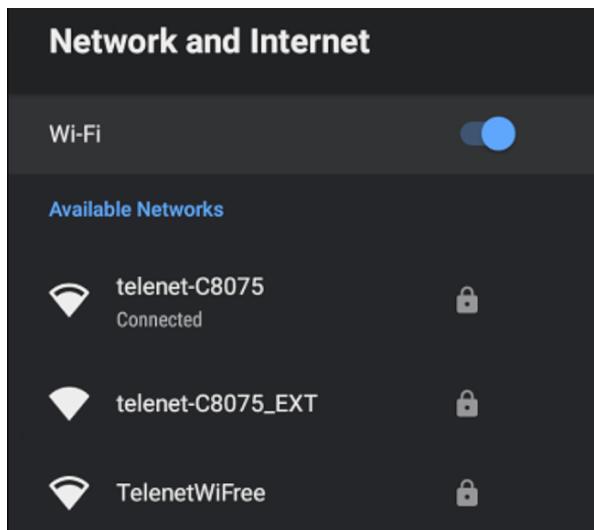
You will need to log in to the Play Store with a valid google account to install apps (See more details in chapter 'Manage Apps'). When you exit you will see the below message. You need to ensure downloads and updates are complete, or your installation may not be as expected.

You can check by going to the Play Store again or exit if you are sure all updates have been finished.





## 6.2 Network and Internet

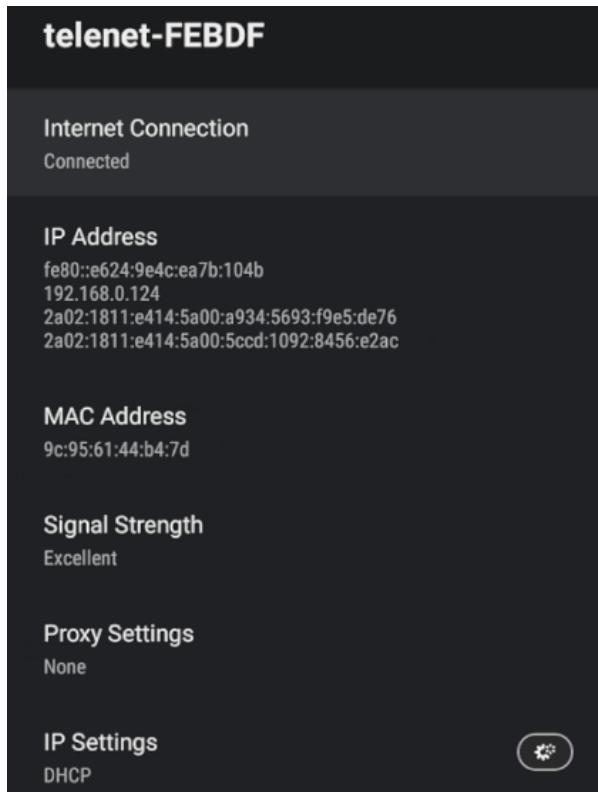


- Navigate to **[Network and Internet]** and open this menu
- By toggling **[Wi-Fi]** you can enable or disable Wi-Fi
- In this case Wi-Fi is enabled and you can see a list of **[Available Networks]**, you can also see to what network you are connected
- When you click on any other available networks you are able to login to this network by entering the password

Enter password for  
TelenetWiFree

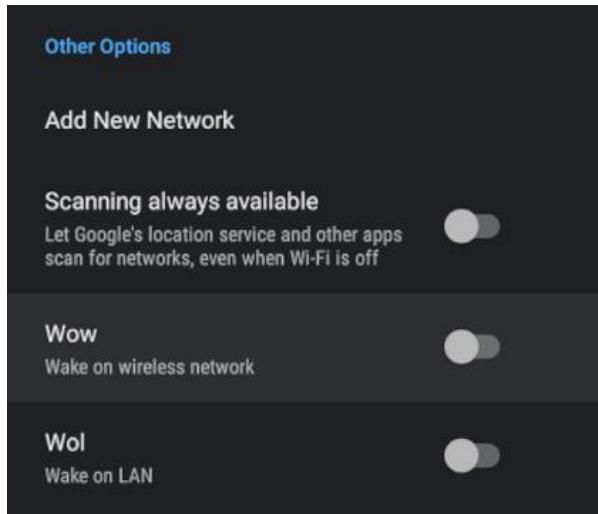
Hide password

- Once connected you can select the network and press **“OK”** to see the network details and IP address





# PHILIPS



- Under [**Other Options**], using the [**Add New Network**] menu you can set up your own network manually using below steps:

- Set the network name

Enter name of Wi-Fi network

- Set the type of security

Type of Security

None

WEP

WPA/WPA2-PSK

WPA3-Personal

- Set the password

Enter password for

.....

Hide password

- Connect to the network

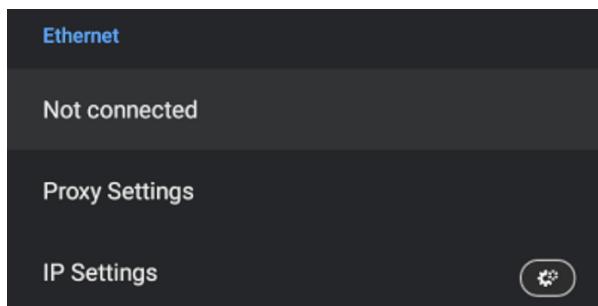
- By toggling [**Scanning always available**] you can enable or disable this option. It will let Google's location service and other apps scan for networks even Wi-Fi is disabled
- By toggling [**Wow**] you can enable or disable wake up on wireless network
- By toggling [**Wol**] you can enable or disable wake up on LAN

*Note: [**Wow**] and [**Wol**] allows you to let an external device to wake up the TV from complete Standby (green mode)*

*Once you woke up the TV using this way, the TV will go from green mode to fast mode To indicate this, you will see a notification about higher power consumption*

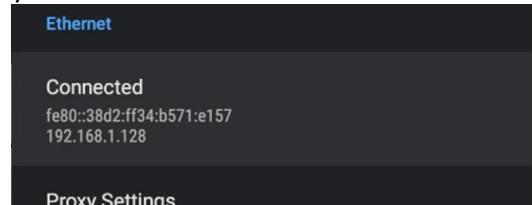
## Energy Saving

Changing this setting may possibly lead to a higher power consumption.



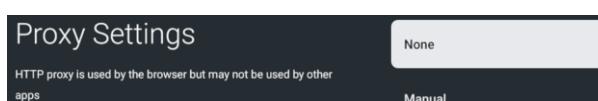
- In the [**Ethernet**] menu, you can see if you are connected to the wired network or Not connected.

Once connected you will automatically see your IP Address



- In the [**Proxy Settings**] menu you can choose [**None**] or [**Manual**].

HTTP proxy is used by the browser. If you select [**Manual**], you can set the proxy





# PHILIPS

Proxy Hostname:

Enter a valid hostname.  
Example: proxy.example.com

Bypass Proxy For:

Enter a comma-separated list of excluded domains or leave blank.  
Example: example.com,mycomp.test.com,localhost

IP Settings

IP Address:

Enter a valid IP address.  
Example: 192.168.1.128

Gateway:

Enter a valid IP address or leave empty.  
Example: 192.168.1.1

Network Prefix Length:

Enter a valid network prefix length.  
Example: 24

DNS 1:

Enter a valid IP address or leave empty.  
Example: 8.8.8.8

DNS 2:

Enter a valid IP address or leave empty.  
Example: 8.8.4.4

hostname, the proxy port and you can bypass proxy for specific domains

- In the **[IP Settings]** menu you can choose **[DHCP]** or **[Static]**. If you select **[Static]**, you can set the IP Address, Gateway, network prefix length, DNS 1 and DNS 2

## 6.3 Channel

*Note that the channel menu might not have all menu items as described below depending on region and hardware.*

**Channel**

Channel Setup

Channel installation mode  
Cable

Auto Channel Update

Channel Update Message

Parental controls

Open-source licences

- Navigate to **[Channel]** and open this menu
- Open the **[Channel Setup]** to open the channel installation wizard.  
*Note that more details can be found in the 'Channel installation wizard' chapter on how to install channels.*



# PHILIPS

## Channel installation mode

Antenna

Cable

Satellite

- Navigate to [Channel Installation Mode] and open this menu
- You can choose between [Antenna] or [Cable] or [Satellite]. This is automatically changed when you install channels using the [Channel Setup] wizard

Auto Channel Update

Channel Update Message

- You can toggle [Auto Channel Update] to [On] or [Off] to enable or disable channel update
- You can toggle [Channel Update Message] to [On] or [Off] to enable or disable channel update messages

## Parental Controls

Channels Blocked

None

Program Restrictions

Inputs Blocked

Set Pin

- Navigate to [Parental Controls] and open this menu
- Open [Channel Blocked] to [Block All] channels or select some channels and use "OK" to block or unblock the selected channel

### Channels Blocked

Block All

#### IP Channels

	BBC World News
1	
	National Geographic
2	
	Discovery
3	

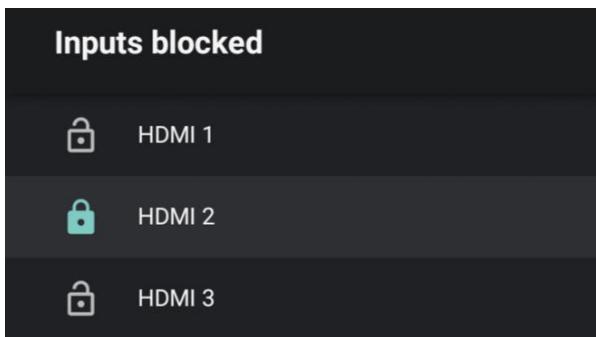
## Program Restrictions

On

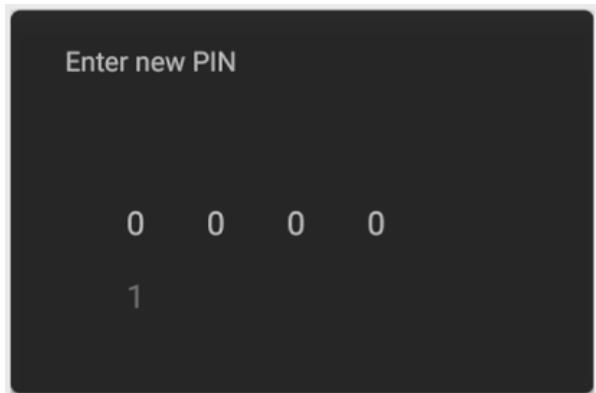
- Open [Program Restrictions] and toggle to [On] or [Off] to be able to change the other settings related to Program restrictions



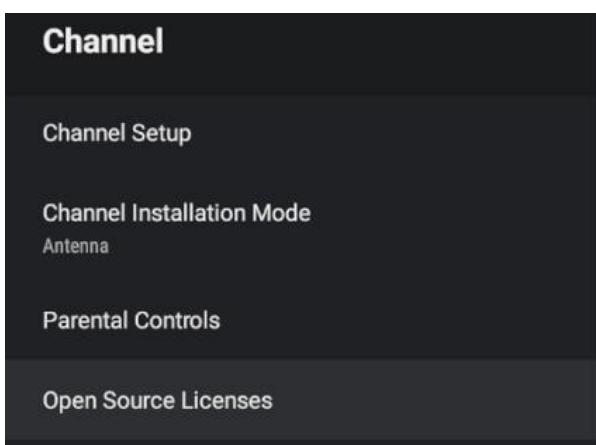
# PHILIPS



- Open [**Inputs Blocked**] and select some input, use “OK” to block or unblock the selected input

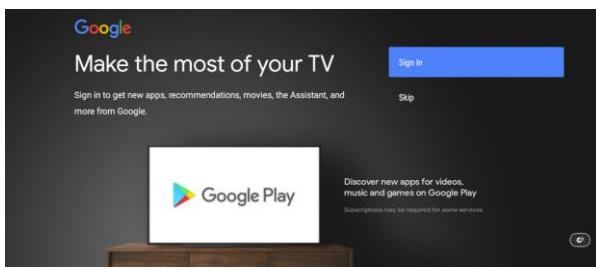


- Open [**Set Pin**] to set a new PIN and confirm the PIN code.  
This is the PIN code that will be asked when you tune to a blocked input or channel



- Navigate to [**Open Source Licenses**] and open this menu
- You can read the licenses, you can scroll using “Up” and “Down”

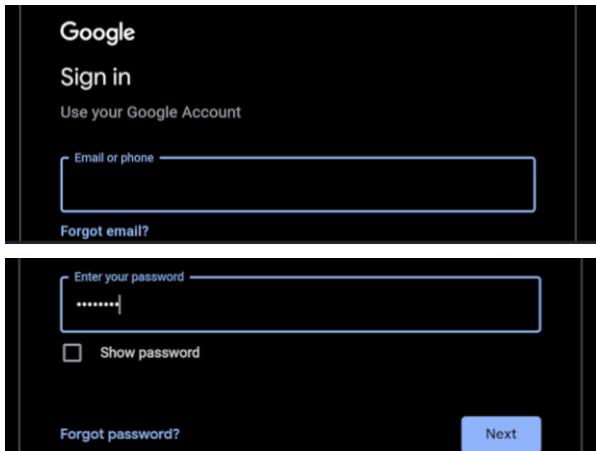
## 6.4 Accounts & Sign-In



- Navigate to [**Accounts & Sign-In**] and open this menu
- You are able to login into your google account using [**Sign In**]
- Once logged in, you can add another account via [**Add Account**] or you can [**Remove account**]

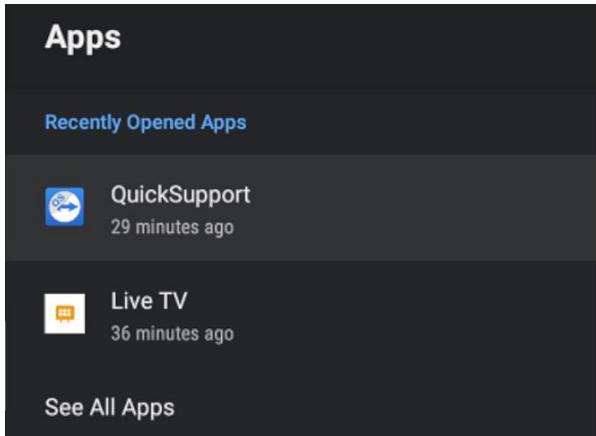


# PHILIPS



*Note: Login to your account in the professional menu is only required to install apps*

## 6.5 Apps

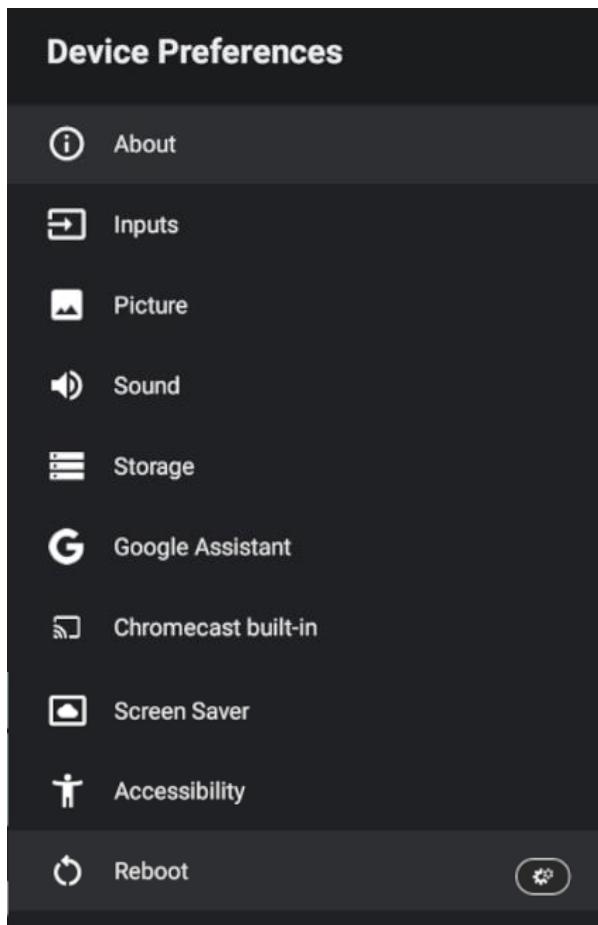


- Navigate to [Apps] and open this menu
- In this menu you can see the [Recently Opened Apps], you can also [See All Apps] When opening one of the apps you can find details related to the selected app and execute some actions related to the app

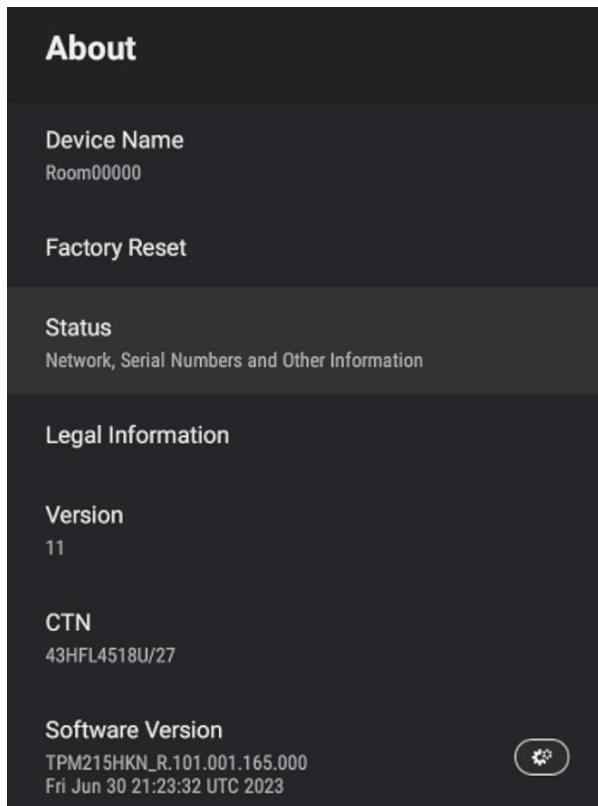
*Note: Managing apps should be done using the [Apps] menu in the [Advanced settings], this menu is more to find information related to specific apps, it's not the intention that you make changes in this menu*



## 6.6 Device Preferences



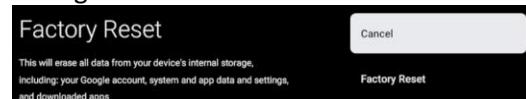
- Navigate to [Device Preferences] and open this menu



- In [About] you can find many details of the device:

- [Device Name]

- [Factory Reset], you can use this action to erase all data from the device's internal storage



*Note that this is not the same as a reinstallation of the TV or go back to factory settings, these menu's can be found in [Reset]*

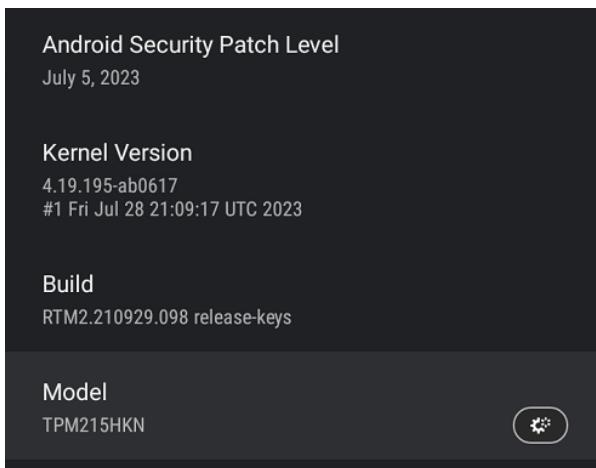
- In [Status] you can find following details:

- IP Address
- MAC Address
- Bluetooth Address
- Serial Number
- Uptime

- In [Legal Information] you can read the [Open-Source Licenses], [Google legal], [System WebView licenses] and [Ads]

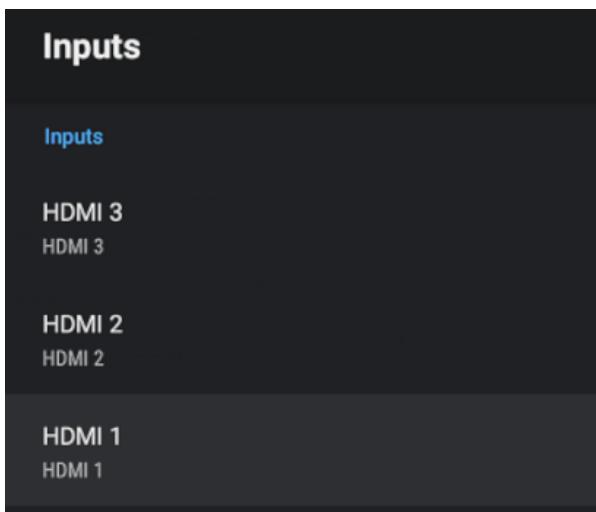


# PHILIPS

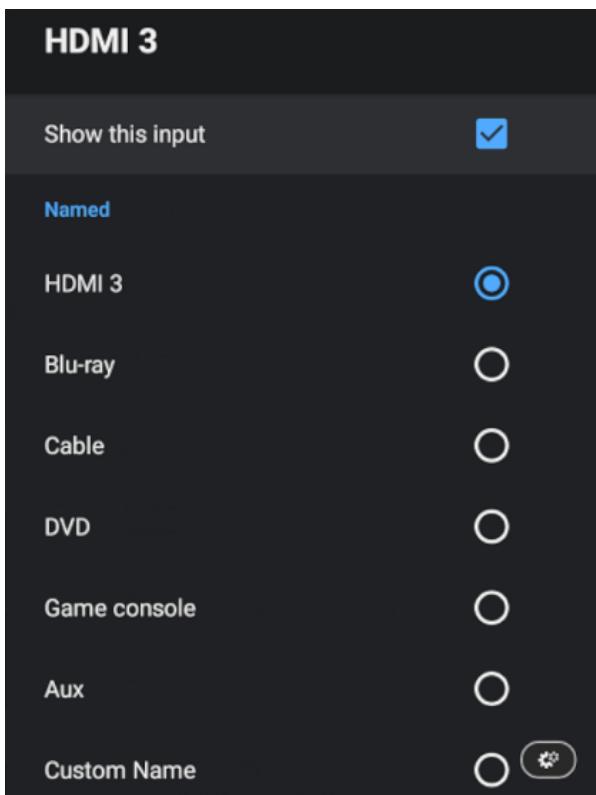


information. In [Ads] you can [Reset advertising ID] or [Delete advertising ID] Note that the advertising ID's are anyhow reset when data is cleared

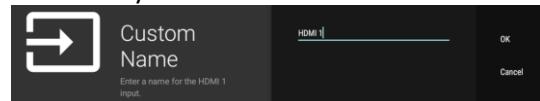
- [Version], this is the Android version
- [CTN], this is the model name of the device
- [Software Version]
- [Android Security Patch Level]
- [Build]
- [Model], this is the philips internal model type for a range of CTN's



- In [Inputs] you can set details related to the HDMI sources and CEC



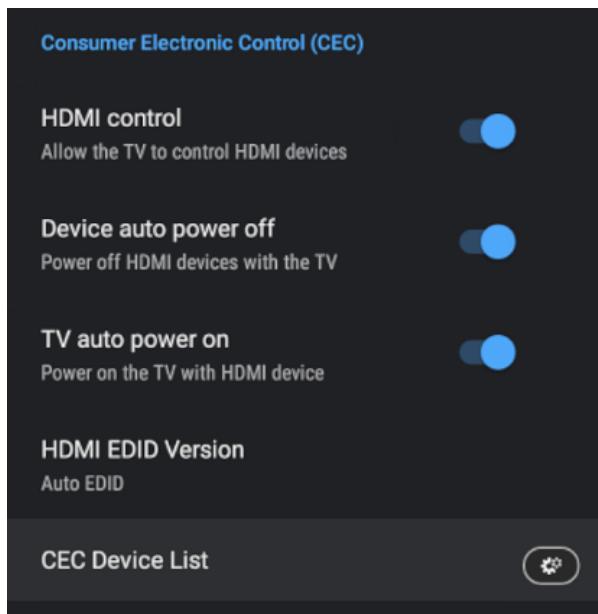
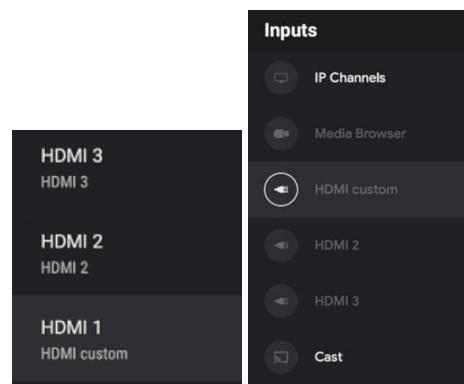
- [HDMI x] (x is the source number)  
Using [Show this input] you can show or hide the source from the source list  
Under [Named] you can select a name to be shown in the source list, you can also select a [Custom Name]  
If you have selected [Custom Name], a new screen will open to change the custom name into what you want



This will be shown in the [Inputs] accordingly

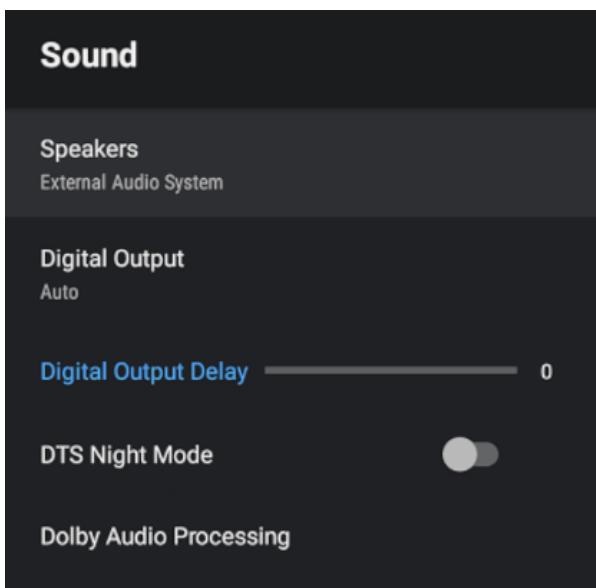


# PHILIPS



- In **[Consumer Electronic Control (CEC)]** you can make changes related to CEC
- By toggling **[HDMI control]** you can enable or disable the TV to be allowed to control HDMI devices via CEC
- By toggling **[Device auto power off]** you can enable or disable HDMI devices to power off with the TV
- By toggling **[TV auto power on]** you can enable or disable the TV to power on with the HDMI device
- When you open **[HDMI EDID Version]**, you can select between **[EDID 1.4]**, **[EDID 2.0]** or **[Auto EDID]**, this is to enable compatibility with older HDMI devices
- When you open **[CEC Device List]** you see an overview of CEC connected devices

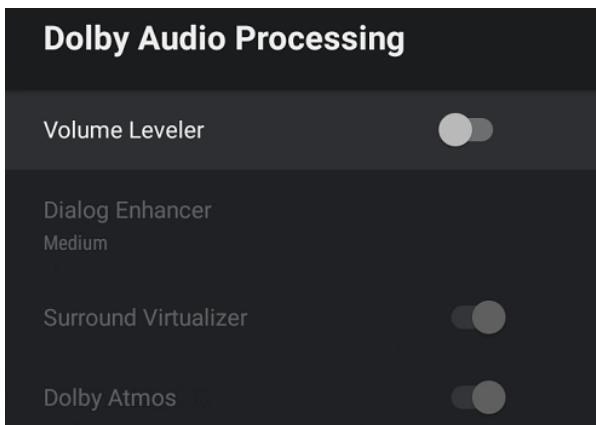
*Note that some of the options may result in higher energy consumption*



- In **[Picture]** you can change following settings:
  - By toggling **[Dolby Vision Notification]** you can enable or disable these notifications. This is notification that a video is supporting Dolby Vision. This will appear on screen when such a content starts playing
  - **[Backlight]**: Use the slider to change the backlight
  - **[Brightness]**: Use the slider to change the brightness
  - **[Contrast]**: Use the slider to change the contrast
  - **[Saturation]**: Use the slider to change the saturation
  - **[Hue]**: Use the slider to change the hue
  - **[Sharpness]**: Use the slider to change the sharpness
  - **[Backlight]**: Use the slider to change the backlight
  - **[Gamma]**: Select **[Dark]**, **[Middle]** or **[Bright]** to change the gamma
  - **[Color temperature]**: Select **[User]**, **[Cool]**, **[Standard]** or **[Warm]** in the predefined **[Color temperature]** to load a default setting. If you modify the sliders, **[User]** will be selected automatically
  - By toggling **[Dynamic backlight control]** you can enable or disable to use advanced eco dimming algorithms in order to use lower power
- In **[Sound]** you can change following settings:
  - **[Speakers]**: Select **[TV Speakers]** or **[External Audio System]** to indicate from where audio should be played
  - **[Digital Output]**: Set the digital output to **[Auto]**, **[Bypass]**, **[PCM]**, **[Dolby Digital Plus]** or **[Dolby Digital]**, these settings are sent to external audio systems if connected to select the audio output format
  - **[Digital Output Delay]**: Use the slider to change the delay of the audio output
  - By toggling **[DTS Night Mode]** you can enable or disable this feature that has impact on the volume curve
  - **[Dolby Audio Processing]**: In this menu you can change settings related to Dolby Audio, these will make changed to the Dolby processing.

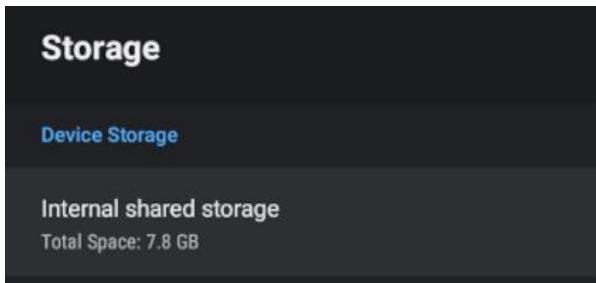


# PHILIPS

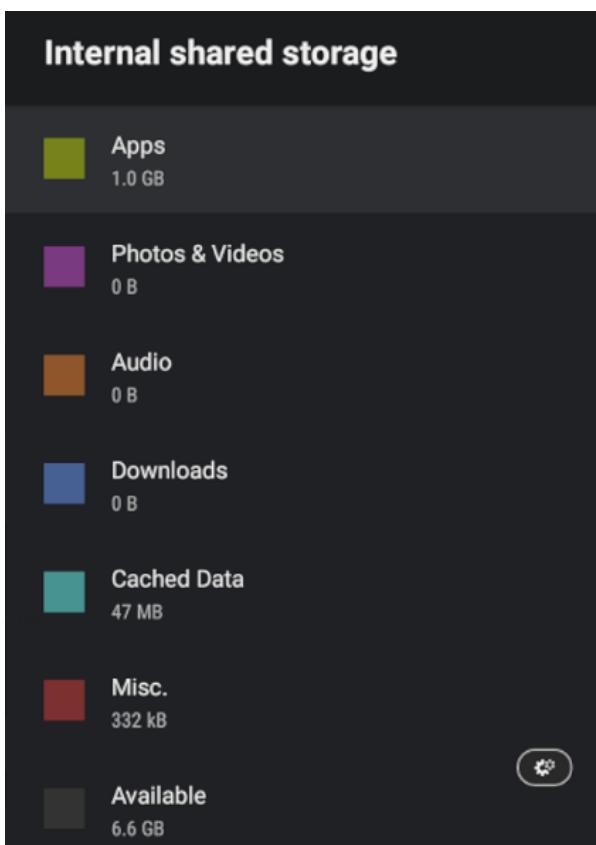


You can enable or disable [Volume Leveler], you can set [Dialog Enhancer] to [Off], [Low], [Medium] or [High], you can enable or disable [Surround Virtualizer] and you can enable or disable [Dolby Atmos]

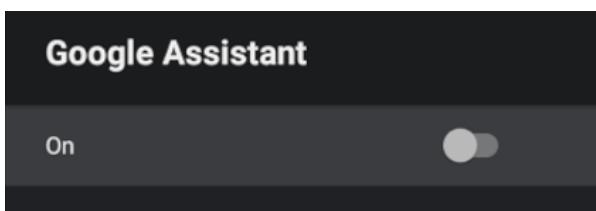
*Note that these items can only be changed when a Dolby audio signal is detected in TV*

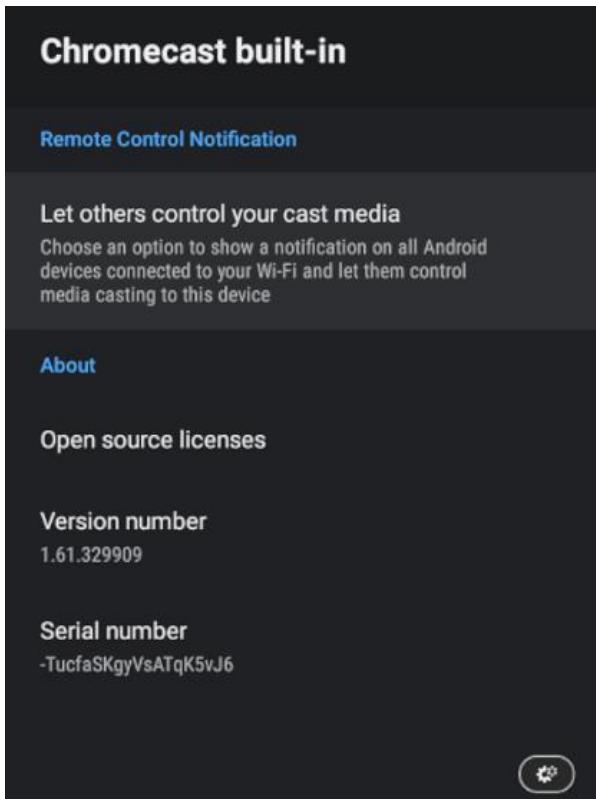
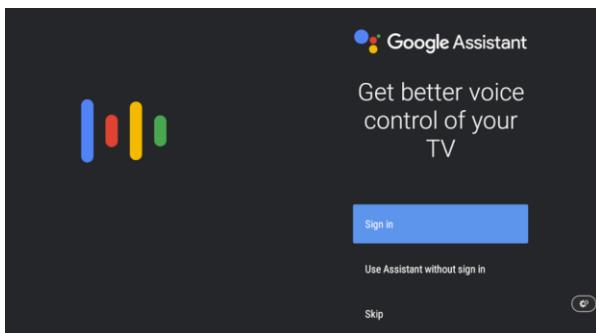


- In [Storage] you can open [Internal shared storage]
- In this menu you can see an overview of how much space is used in the TV and also how much is still available

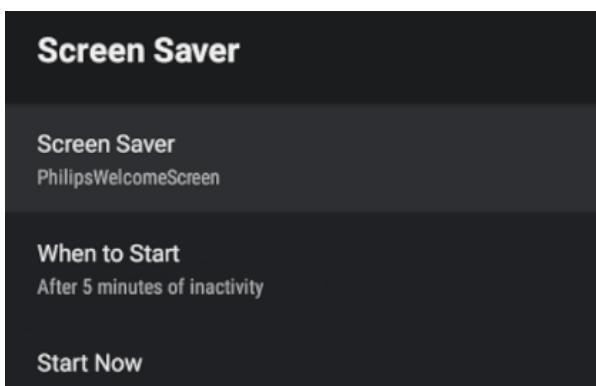
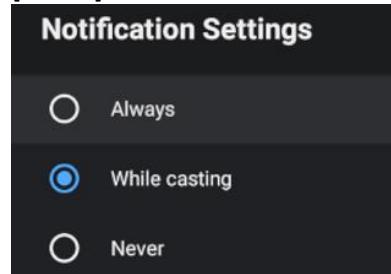


- In [Google Assistant] you can toggle [On] to enable or disable the Google Assistant feature
- If you enable the feature you can [Sign in] or [Use Assistant without sign in] or [Skip] to disable the feature again

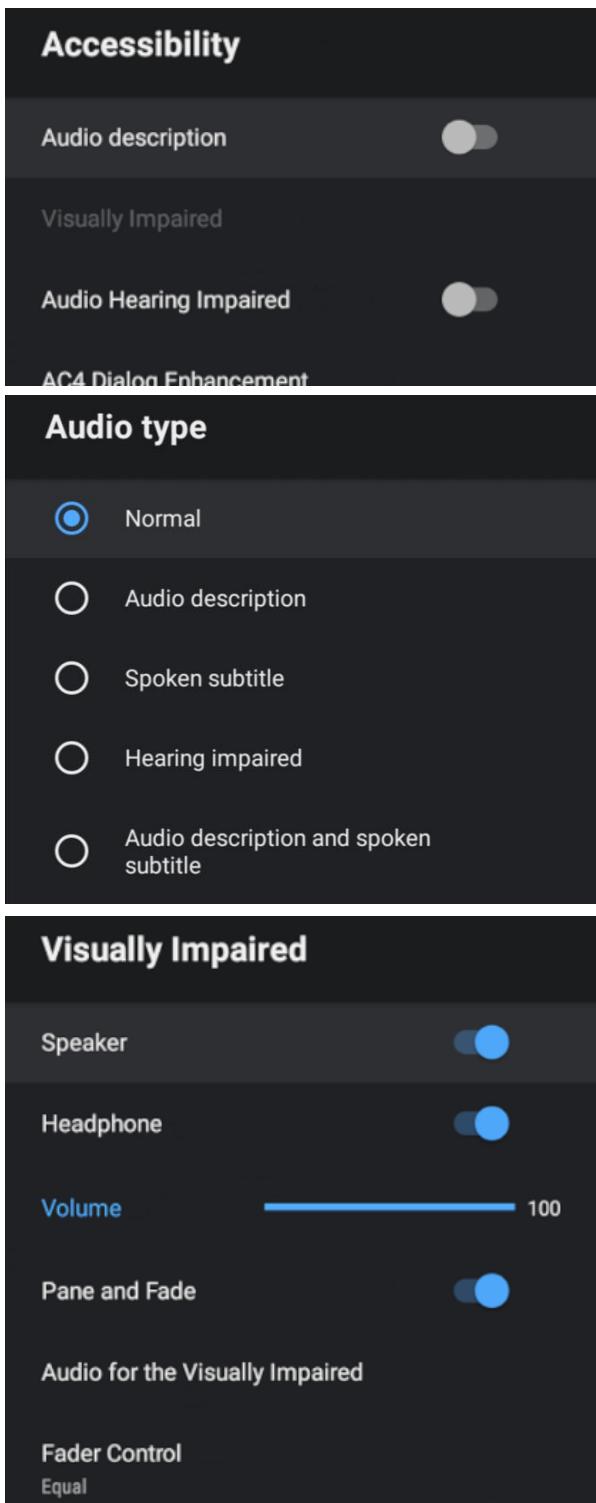




- In [Chromecast built-in] you can read the [Open source licenses], see the [Version number] and the [Serial number]
- In [Let others control your cast media] you can choose [Always], [While casting] or [Never]



- In [Screen Saver] you can change the settings related to this
- In [Screen Saver] you can choose what screen saver to show, you can choose between [PhilipsWelcomeScreen], [Backdrop] or [Colors]
- In [When to Start] you can set the time before the screen saver should be started after inactivity, you can choose between [5 minutes], [15 minutes], [30 minutes], [1 hour], [2 hours] or [Never]
- Using [Start Now] the screen saver will start, so you can see which one you have selected



- In [Accessibility] you can change the settings related to this

- By toggling [Audio description] you can enable or disable Audio description that will be available if the video being played contains audio description or depending on your TV type, you can set [Audio type] to [Normal], [Audio description], [Spoken subtitle], [Hearing impaired] or [Audio description and spoken subtitle] to choose what you prefer

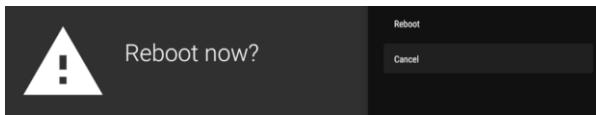
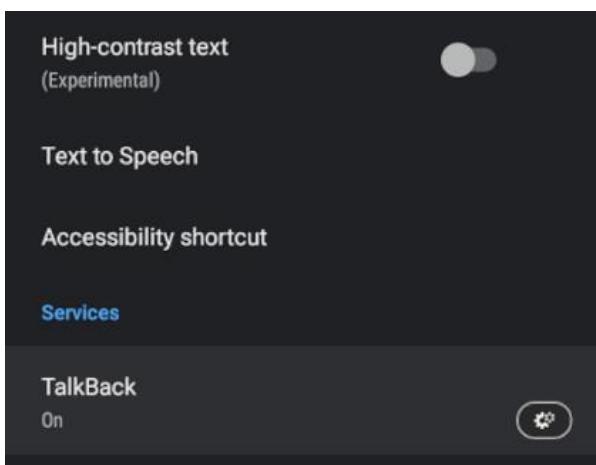
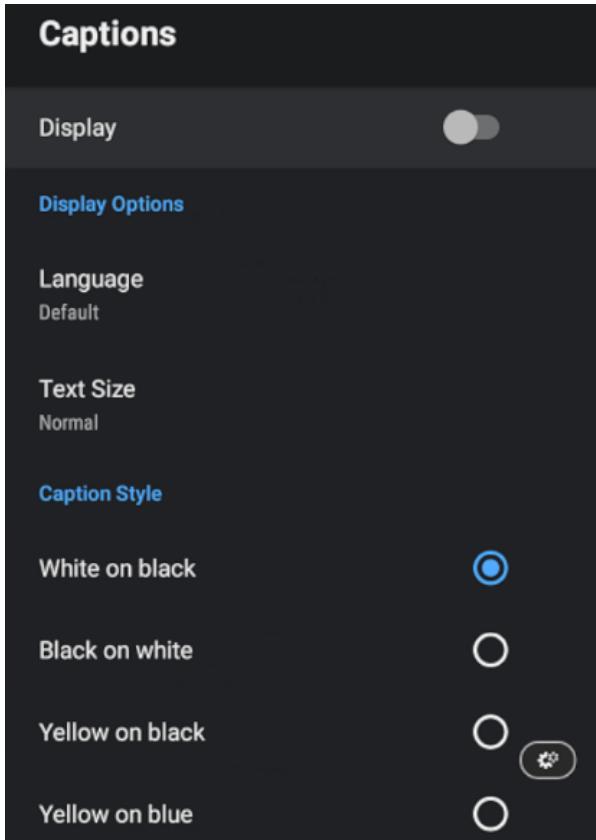
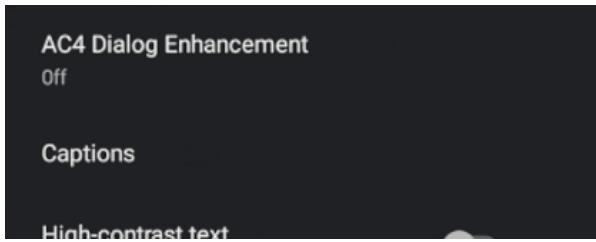
Once you enabled [Audio description] you can change the settings in the [Visually impaired] menu:

- By toggling [Speaker] you can enable or disable the audio to be heard on the speakers
- By toggling [Headphone] you can enable or disable the audio to be heard on the headphone
- By changing the [Volume] slider you can set the volume for the audio description
- By toggling [Pane and Fade] you can enable or disable this functionality
- [Audio for the Visually Impaired]: Use this menu to change visually impaired settings if available
- Under [Fader Control] you can choose between [Main Max], [Main 3:4], [Equal], [AD 3:4] or [AD Max]

- By toggling [Audio Hearing Impaired] you can enable or disable this functionality if available



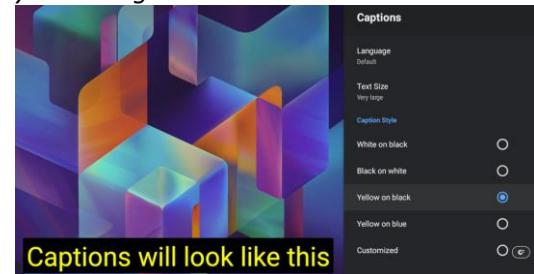
# PHILIPS



- **[AC4 Dialog Enhancement]**: you can set this to **[Off]**, **[Low]**, **[Medium]** or **[High]** to choose what you prefer
- **[Captions]**: Here you can set several settings related to captions:

- By toggling **[Display]** you can enable or disable the captions to be shown
- Under **[Display Options]** you can set the **[Language]** to one of the available languages in the list and the **[Text Size]** to **[Very small]**, **[Small]**, **[Normal]**, **[Large]** or **[Very large]**
- Under **[Caption Style]** you can choose between **[White on black]**, **[Black on white]**, **[Yellow on black]**, **[Yellow on blue]** or **[Customized]**

*Note that an example is shown on the left side of the screen so you see the effect of your changes*



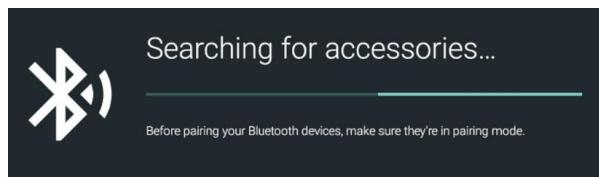
- If you selected **[Customized]** a **[Customized Options]** menu will open to change a lot of settings to customize the captions following your preferences

- By toggling **[High-contrast text]** you can enable or disable high contrast text
- **[Text to Speech]**: You can set different settings related to text to speech for example the speed
- **[Accessibility shortcut]**: Use this menu to change accessibility shortcut settings if available
- **[TalkBack]**: You can configure the talkback settings in this menu if available

- In **[Reboot]** you can choose to **[Cancel]** or **[Reboot]** the TV now



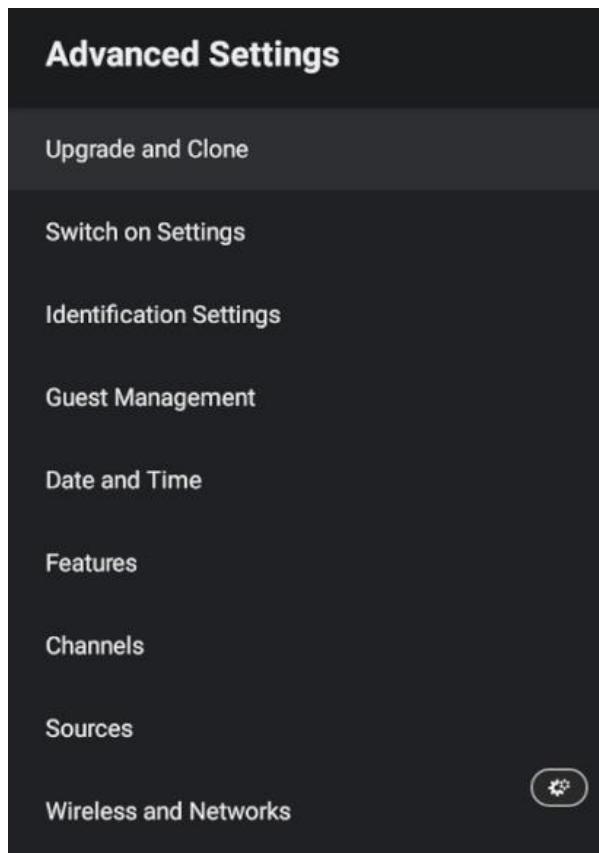
## 6.7 Accessories



- Navigate to **[Accessories]** and open this menu
- The TV will start searching for Bluetooth devices like BT audio devices, keyboards and mouses. Connected devices will stay connected when user data is cleared if they are installed using the professional menu

*Note that this cannot be cloned*

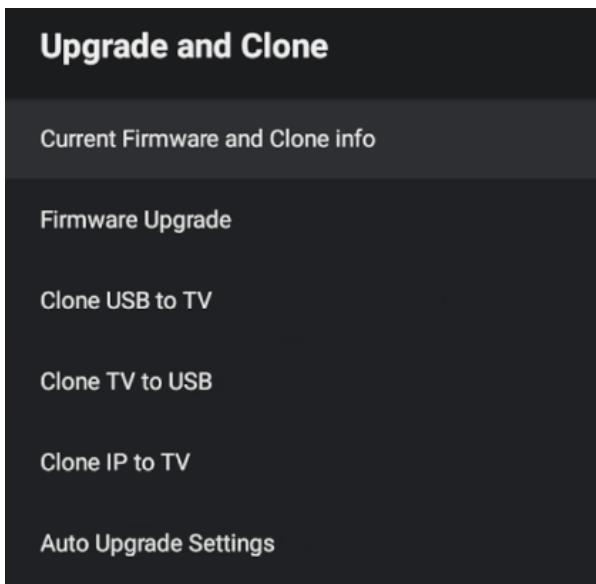
## 6.8 Advanced Settings



- Navigate to **[Advanced Settings]** and open this menu
- You will find the advanced settings that you did not find in the above menu

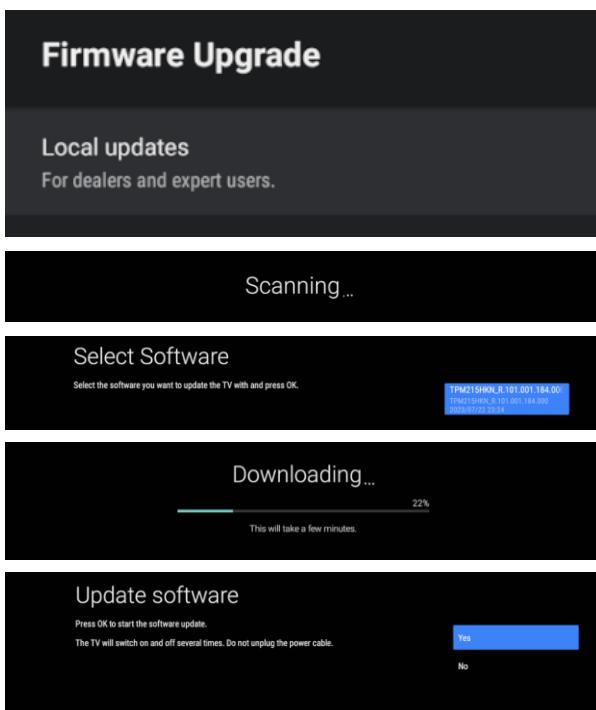


## 6.8.1 Upgrade and Clone



Current Firmware and Clone		
Clone Item	Last Clone Status	Current Version in TV
Firmware	Not Available	TPM215HKN_R.101.001.155.000
ChannelList	Done	18/07/2023:14:41
TVSettings	Not Available	19/07/2023:12:31
SmartInfoBrowser	Not Available	17/07/2023:11:07 Absolute Hotel
AndroidApps	Not Available	17/07/2023:05:10
AndroidAppsData	Not Available	00/00/0000 --:
ProfessionalApps	Not Available	00/00/0000 --:
ProfessionalAppsData	Not Available	17/07/2023:05:10
DataDump		Not Applicable
MyChoice	Not Available	17/07/2023:05:10
PMS	Not Available	17/07/2023:05:10
Script	Not Available	00/00/0000 --:

Close      Next



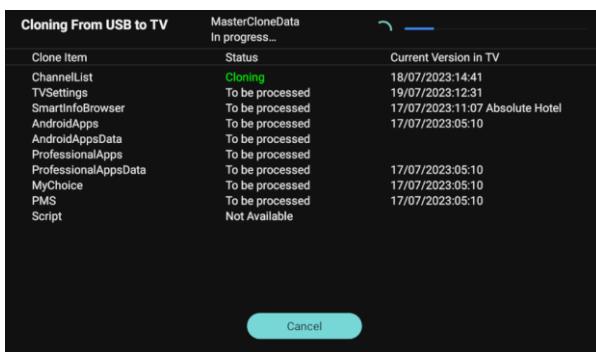
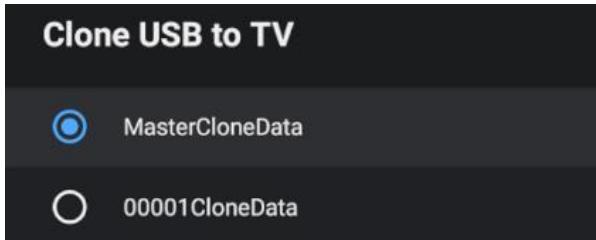
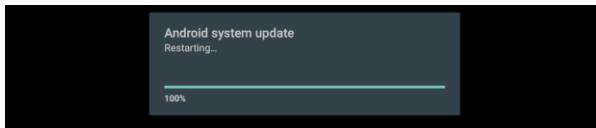
- Navigate to [Upgrade and Clone] and open this menu

*Note that cloning and upgrading over IP will happen automatically after the TV is in standby for 5 minutes if [Auto Upgrade and Clone] in the professional menu is enabled. The cloning will happen depending on the polling frequency set in CMND. It can also take longer depending on some other settings*

- Navigate to [Current Firmware and Clone info] and open this menu
- You can see the SW version and the dates when the last cloning actions were done
- Select [Next] and press “OK” to see the second screen
- Select [Previous] and press “OK” to see the first screen
- Select [Close] and press “OK” to go back to the previous screen
- Navigate to [Firmware Upgrade] and open this menu, you will see a menu [Local updates], if you open this menu the TV will scan for new SW
- If you are using an ‘autorun.upg’ in the root of your USB the TV will automatically program the SW if it’s newer than the currently installed TV SW
- Using the Software Update Wizard, you will be able to load new SW in the TV. You will see the “autorun.upg” if it’s on the USB, you will also see a list of SW versions that are available in the ‘upgrades’ folder in the root of the USB memory device connected to the TV if they are applicable for this product
- Select the SW you want to install and press “OK”, you will see that the TV starts with the downloading from USB to TV

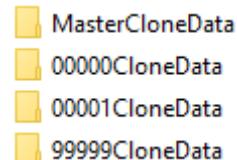


# PHILIPS

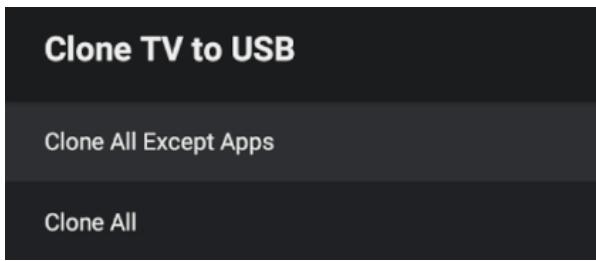


- Once the downloading is done you need to press **[Yes]** to start the upgrade, you can still cancel using **[No]**
- During the software update the TV could switch on and off several times, do not unplug the power cable. Once the installation is complete, the TV will restart

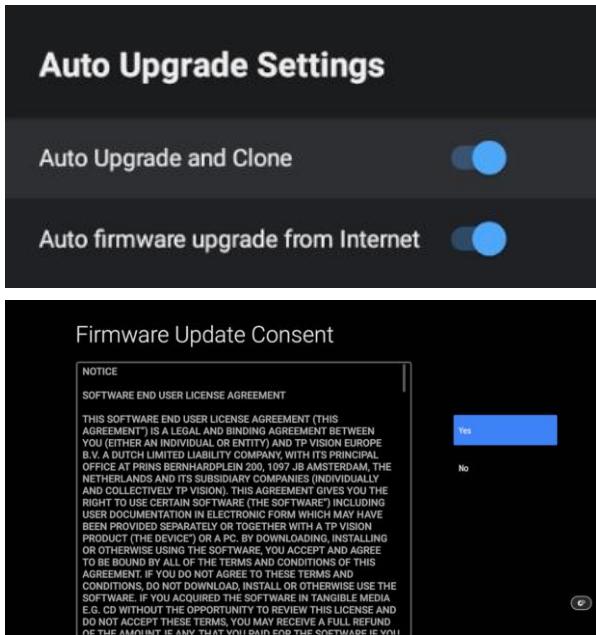
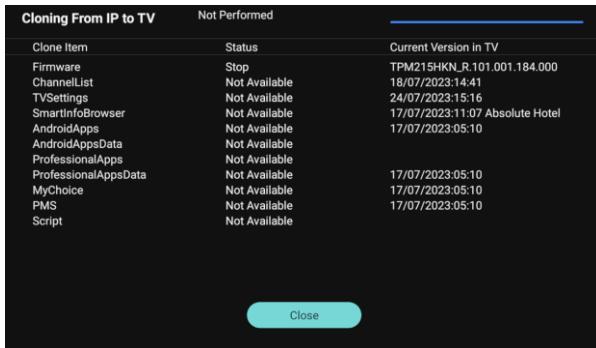
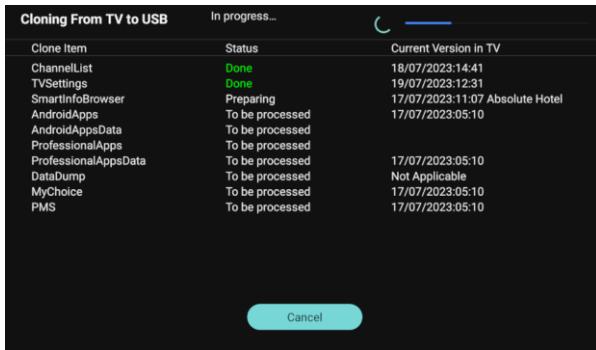
- Navigate to **[Clone USB to TV]** and open this menu
- Using this you will be able to clone from the USB memory device to the TV by selecting the **[MasterCloneData]** and press **"OK"** to start the cloning, a USB stick with a valid clone file needs to be connected to TV in order to see this menu  
*Note that if you want to have multiple clone files on your USB key, you can add extra folders called "xxxxCloneData" where xxxx represent 5 digits in the same location where you see the "MasterCloneData" and containing the same structure as in your "MasterCloneData" folder*



- On the top of the screen you will see a waiting animation while cloning is ongoing and you will see 'In progress...', once finished it will change to 'Successful'
- During the cloning process there will be a **[Cancel]** button available on the bottom of the screen, press **"OK"** to cancel the cloning process
- Once cloning is complete, **[Cancel]** will change to **[Close]**, press **"OK"** to return back to TV state
- If no USB stick is inserted you will see a **USB not found** notification



- Navigate to **[Clone TV to USB]** and open this menu
- There are 2 submenus **[Clone All except Apps]** and **[Clone All]**
- When opening one of these menu's, you will see the copy from TV to USB
  - [Clone All except Apps]** menu will clone everything except the Apps



- **[Clone All]** menu will clone everything but will take a bit longer

*Note that by default channel logos are part of the SW and will not be cloned out*

- Navigate to **[Clone IP to TV]** and open this menu

- Using this you will be able to clone to the TV over IP, this happens automatically when a clone has been assigned to the TV in CMND. Via this menu you can manually force an upgrade to happen if something is played out, if no playout is ongoing this action will not be performed

*Note that this menu is only accessible when **[Wireless and Networks]** **[Control TV Over IP]** **[WebServices]** **[IPUpgradeService]** is enabled*

- Navigate to **[Auto Upgrade Settings]** and open this menu

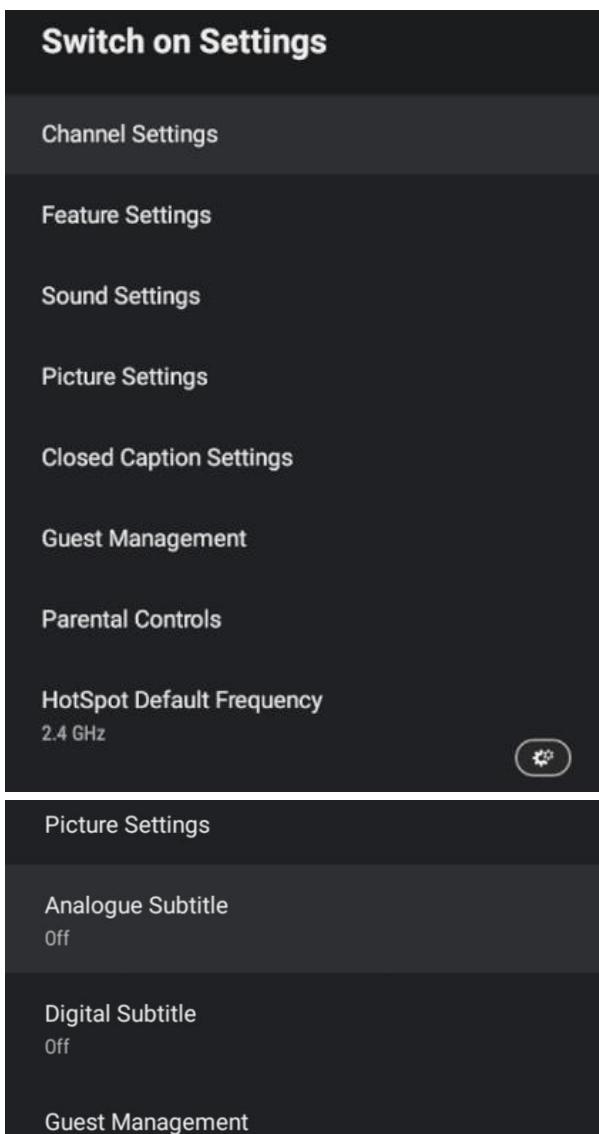
- You can enable or disable **[Auto Upgrade and Clone]**

- You can enable or disable **[Auto firmware upgrade from Internet]**

When you enable this feature, you need to select **[Yes]** to accept the consent or **[No]** to keep this feature disabled



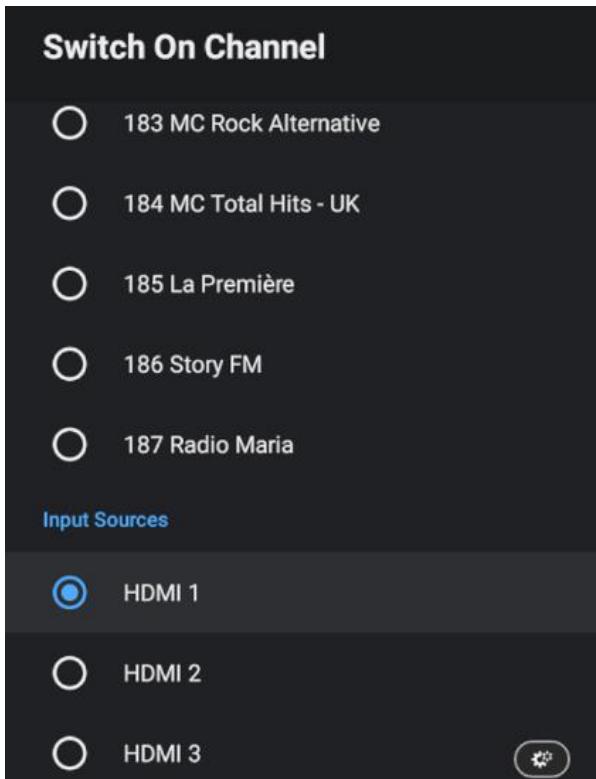
## 6.8.2 Switch on settings



- Navigate to **[Switch on Settings]** and open this menu
- In this menu you will be able to set all Switch on settings, these are the menu items that a guest can change, the values you set here are the settings applied when the guest wakes up the TV

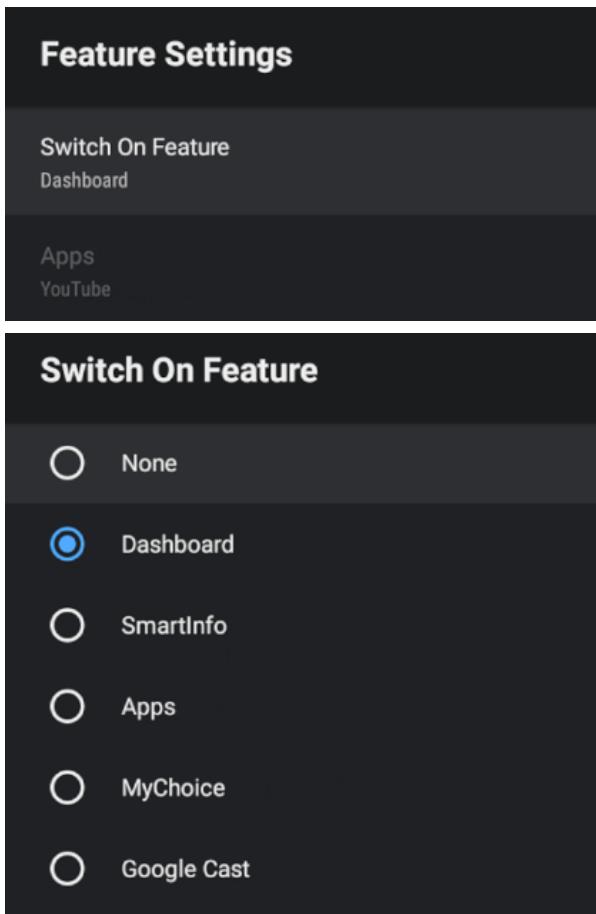


### 6.8.2.1 Channel Settings



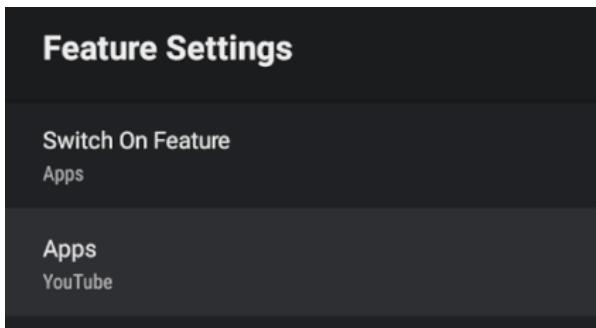
- Navigate to [Channel Settings] [Switch On Channel] and open this menu
- You can see [None] followed by a list of installed channels followed by the external sources  
*Note that the list you see in the screenshot is depending on the installed channels, you can have multiple channel lists depending on your installation*
- Select [None] or the channel or source you would like to set as Switch On Channel by confirming with "OK"

### 6.8.2.2 Feature Settings



- Navigate to [Feature Settings] [Switch On Feature] and open this menu
- You can select the switch on feature that needs to be shown on TV when the TV will switch on:
  - [None]
  - [Dashboard]
  - [SmartInfo]
  - [Apps]
  - [MyChoice]
  - [Google Cast]

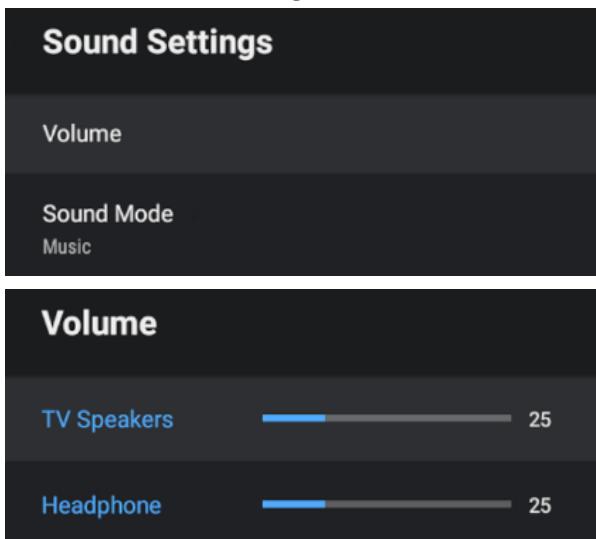
*Note that some menu items might not be shown depending if the feature is enabled or disabled in the [Features] menu*



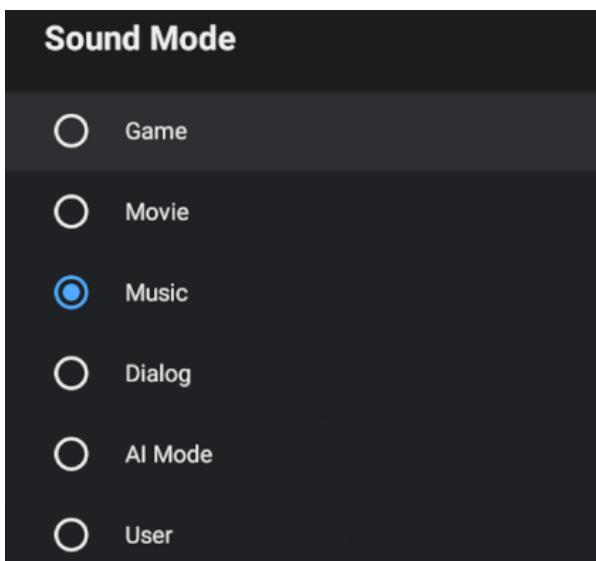
- Navigate to [Feature Settings] [Apps] and open this menu
- You will see a list of the installed apps and you can select an app you want to show as switch on application

*Note that this menu is only accessible when [Apps] is selected in the [Switch On Feature] menu. The list of [Apps] depends on the installed apps*

#### 6.8.2.3 Sound Settings



- Navigate to [Sound Settings] [Volume] and open this menu
- You will see below items:
  - [TV Speakers]: Change the default volume setting for the TV speakers using the slider
  - [Headphone]: Change the default volume setting for the headphone using the slider

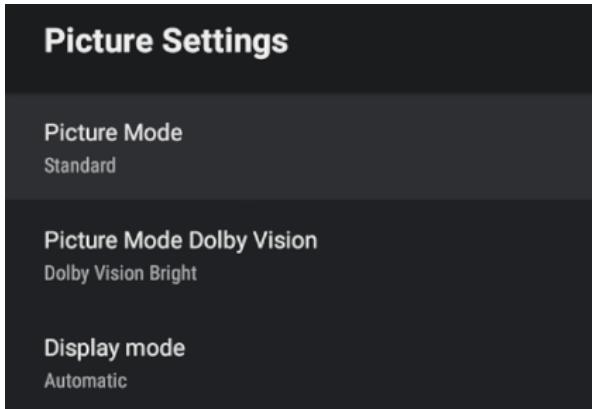


- Navigate to [Sound Settings] [Sound Mode] and open this menu
- You can select one of the following modes: [Game], [Movie], [Music], [Dialog], [All Mode] or [User]  
*Note that you should not select [User]*
- Switching between the sound modes will change the sound mode depending on your selection after pressing "OK"

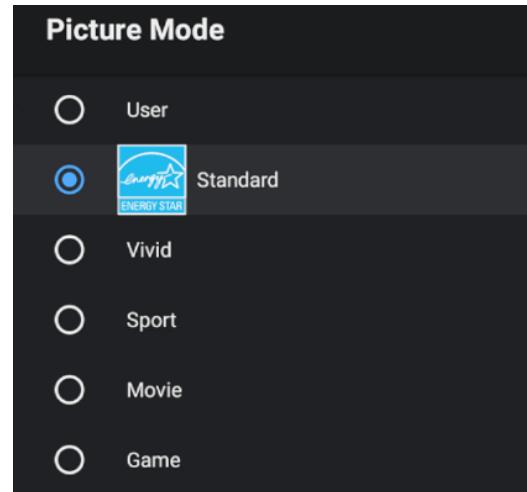


**PHILIPS**

#### 6.8.2.4 Picture Settings



- Navigate to **[Picture Settings] [Picture Mode]** and open this menu
- Change the Picture Mode to your preference and press **"OK"** to store the value
- Select from below list



- Navigate to **[Picture Settings] [Picture Mode Dolby Vision]** and open this menu
- Change the Picture Mode Dolby Vision to your preference and press **"OK"** to store the value, this will have impact on your picture settings
- Select from below list





## Display mode

- Automatic
- Full
- Wide screen
- Super zoom
- Original
- 4:3
- Movie expand 14:9
- Movie expand 16:9

- Navigate to **[Picture Settings] [Display mode]** and open this menu
- In this menu you can select the picture format
- Select your picture format following your preference. Select **[Automatic]**, **[Full]**, **[Wide screen]**, **[Super zoom]**, **[Original]**, **[4:3]**, **[Movie expand 14:9]** or **[Movie expand 16:9]** and press “OK” to store the value

## 6.8.2.5 Analogue Subtitles

### Analogue Subtitle

- Off
- On
- Mute

- Navigate to the **[Analogue Subtitles]** menu
- You will see below items:
  - **[Off]**: Change the default subtitles setting to Off
  - **[On]**: Change the default subtitles setting to On
  - **[Mute]**: Change the default subtitles setting to Mute, this means that the subtitles will be shown if the TV is muted and if subtitles are available

## 6.8.2.6 Digital Subtitles

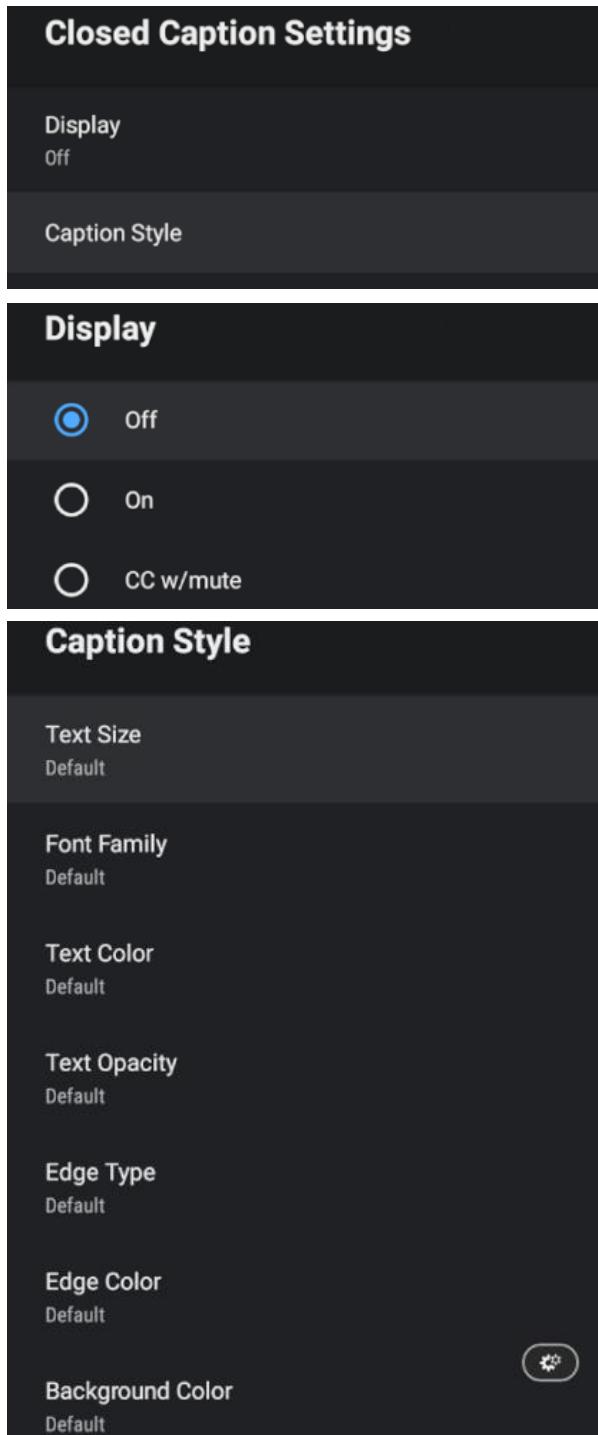
### Digital Subtitle

- Off
- On

- Navigate to the **[Digital Subtitles]** menu
- You will see below items:
  - **[Off]**: Change the default subtitles setting to Off
  - **[On]**: Change the default subtitles setting to On



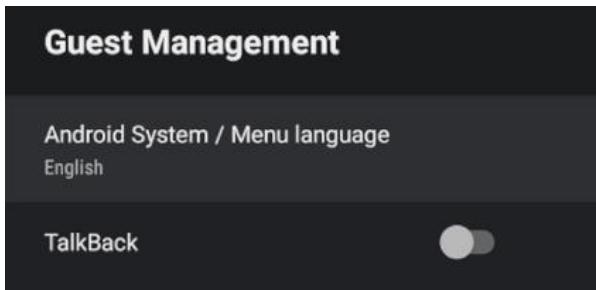
## 6.8.2.7 Closed Caption Settings



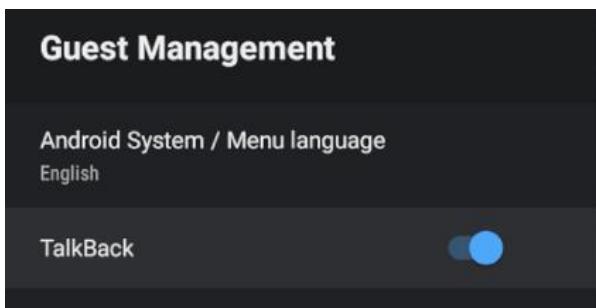
- Navigate to [Closed Captions Settings] and open this menu
- You will see [Display] with below menu:
  - [Off]: Disable closed captions
  - [On]: Enable closed captions
  - [CC w/mute]: Enable closed captions during Mute, this means that the cc will be shown if the TV is muted and if they are available
- You will see [Caption Style] with below menu items where you can set details following your preferences
  - [Text Size]
  - [Font Family]
  - [Text Color]
  - [Text Opacity]
  - [Edge Type]
  - [Edge Color]
  - [Background Color]
  - [Background Opacity]



### 6.8.2.8 Guest Management

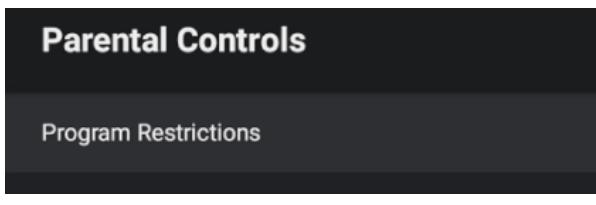


- Navigate to [Guest Management] [Android System / Menu language] and open this menu
- You will see a list of languages. This is to select the default language for the menu

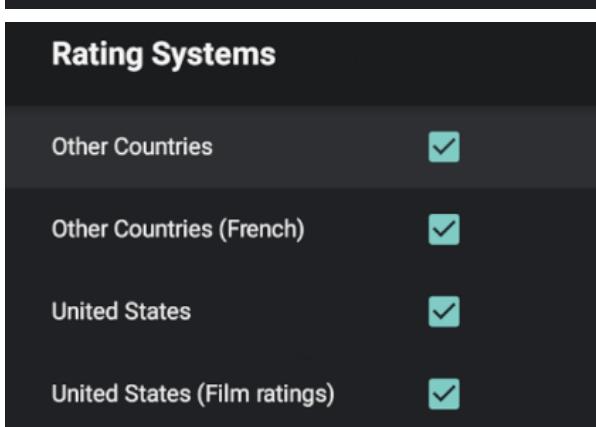
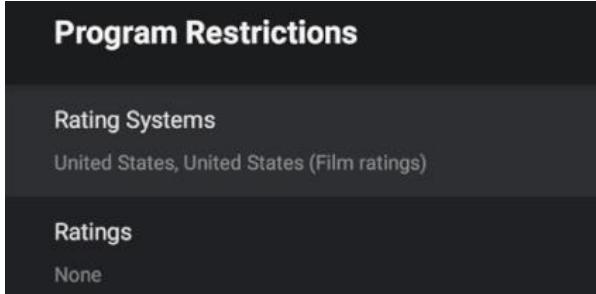


- Navigate to [Guest Management] [TalkBack] and open this menu
- You will be able to enable or disable talkback. When enabled, the TV will help visual-impaired users interact with the TV by using spoken words to let them know what is onscreen

### 6.8.2.9 Parental Controls

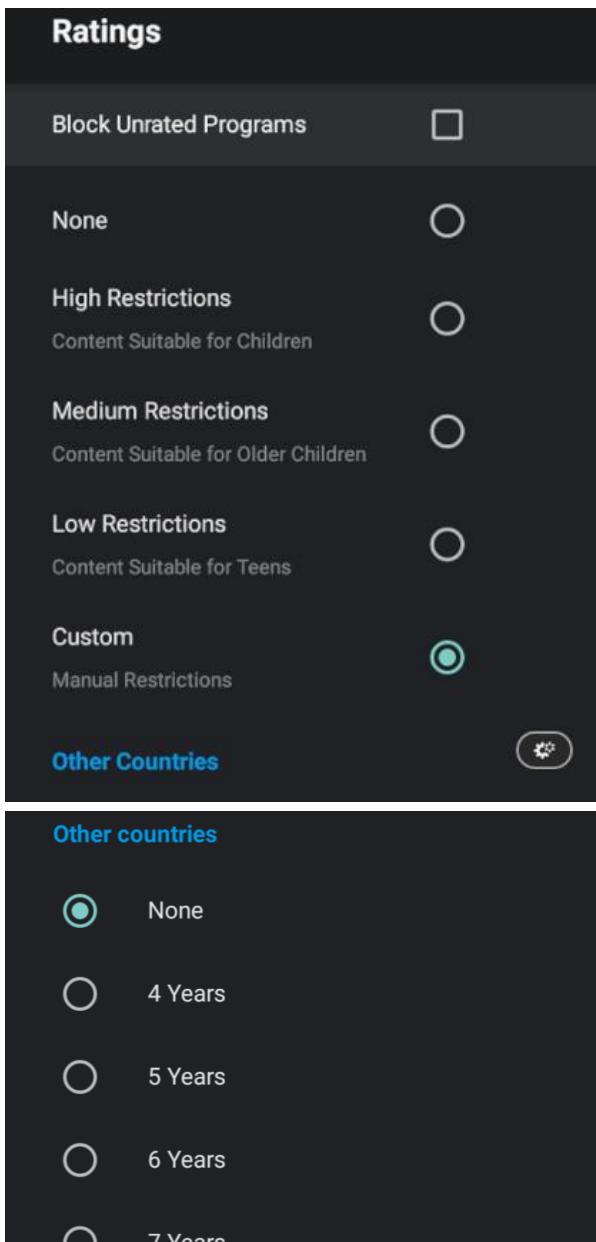


- Navigate to [Parental Controls] [Program Restrictions][Rating System] and open this menu
- You can select what Rating Systems you want to see in the [Ratings] menu. You can choose from [Other Countries], [Other Countries (French)], [United States] and [United States (Film ratings)]  
*Note that this list can be different depending on your region*



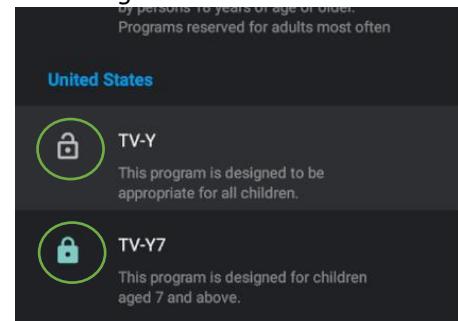


# PHILIPS

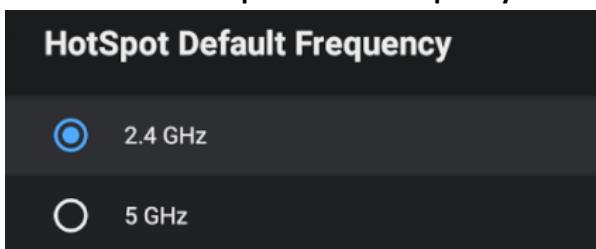


- Navigate to [Parental Controls] [Program Restrictions][Ratings] and open this menu
- You will see following:
  - [Block Unrated Programs]: You can enable or disable programs to be blocked based on ratings
  - You can select what rating is to be applied based on the suitable category using [None], [High Restrictions], [Medium Restrictions], [Low Restrictions] or [Custom]
  - When [Custom] is selected you can lock or unlock multiple ratings per region following the regions set in the [Rating System] menu using the “OK” button, you will see the lock or unlock icon change accordingly

*Note that some of the ratings have [Sub-ratings] that will be shown when you lock the rating*



#### 6.8.2.10 HotSpot Default Frequency

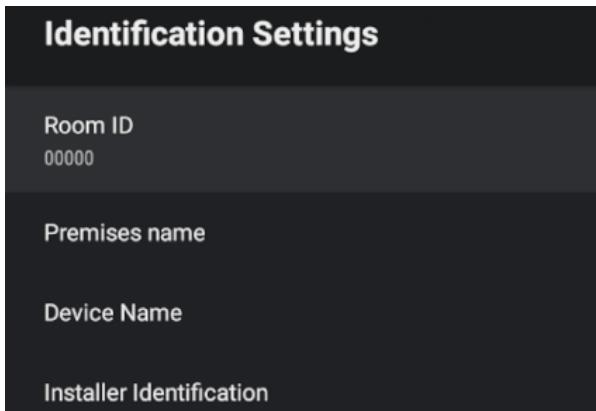


- Navigate to [HotSpot Default Frequency] and open the menu
- You can set the default hotspot frequency to [2.4 GHz] or [5 GHz]

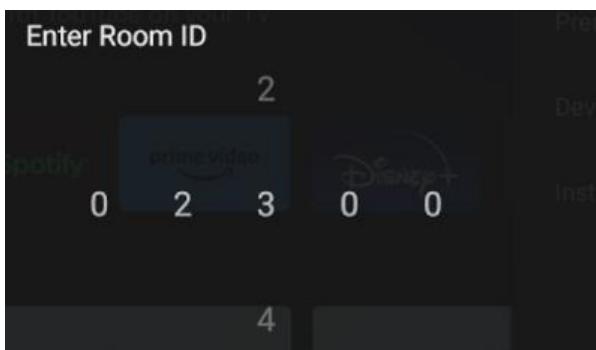


# PHILIPS

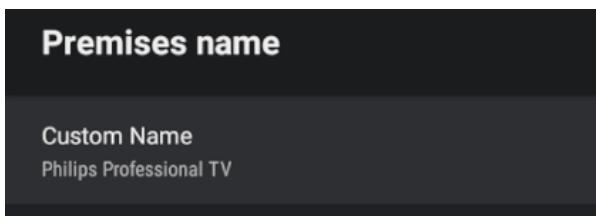
### 6.8.3 Identification Settings



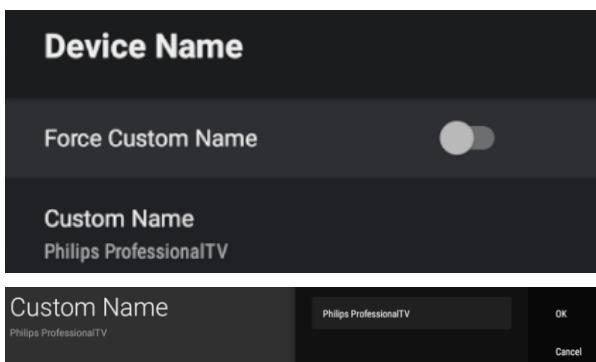
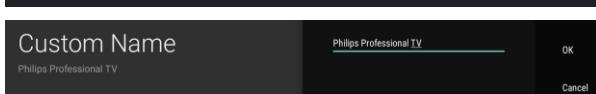
- Navigate to [Identification Settings] and open this menu
- In this menu you will be able to set all settings to identify the TV



- Navigate to [RoomID] and open this menu
- A popup will be shown to change the room ID. This is a (maximum) 5 digits number that can be used to distinguish between different floors/rooms/setups
- Intention is to fill in the room number in this field for every TV by using “**digit keys**” or by using “**arrow keys**” per digit
- If a room has multiple TV’s in 1 room, they should have the same room ID



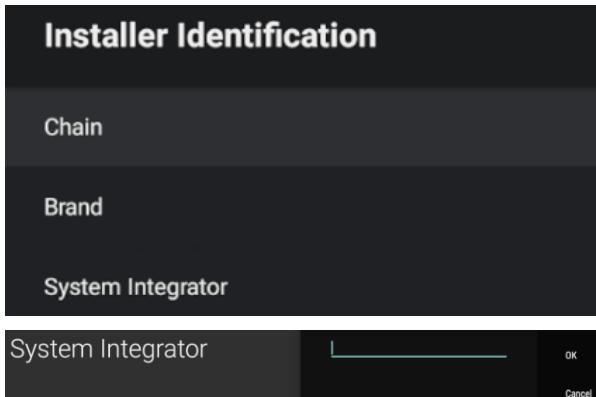
- Navigate to [Premises Name][Custom Name] and open this menu
- You will be able to change the name of the TV that is seen in the welcome screen app



- Navigate to [Device Name] and open this menu
- You can enable or disable [Force Custom Name]. When disabled, the default TV name will be shown containing the Room ID
- Using the [Custom Name] you can set a name following your own preference  
*Note that this name will be shown on mobile devices for casting for example*

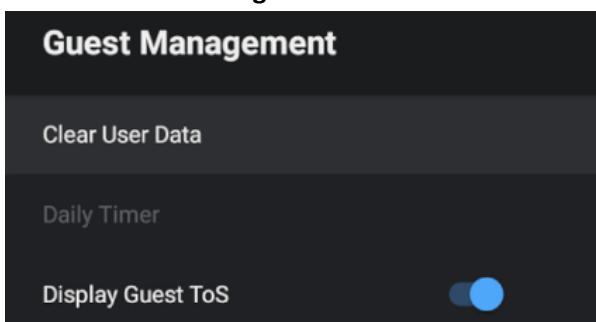


**PHILIPS**

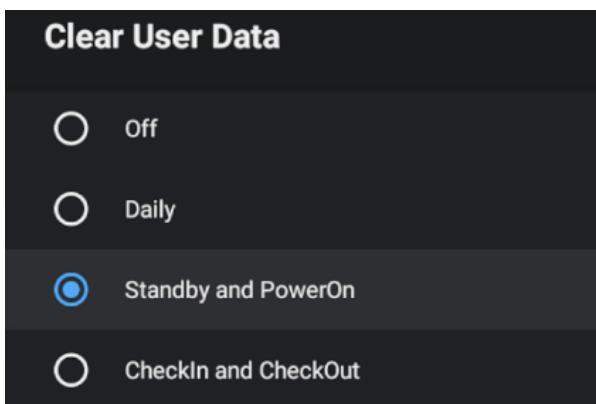


- Navigate to **[Installer Identification]** and open this menu
- You will see below selection
  - **[Chain]**
  - **[Brand]**
  - **[System Integrator]**
- You can change the value of each of these items

#### 6.8.4 Guest Management



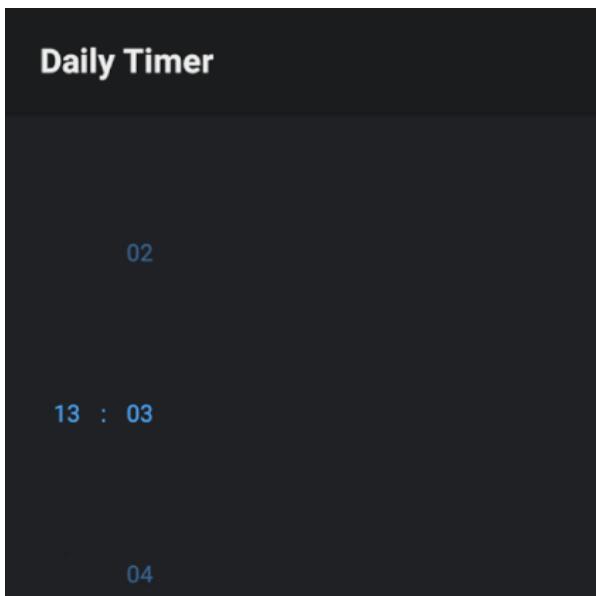
- Navigate to **[Guest Management]** and open this menu
- In this menu you will be able to set all settings related to your guest management



- Navigate to **[Clear User Data]** and open this menu
- This is to clear the user data, including all app data, passwords as well as user browsing history
- You will see below items:
  - **[Off]**: Disable the clearing
  - **[Daily]**: The clear user data shall be performed at the daily set time
  - **[Standby and PowerOn]**: Clearing will happen when set goes to Standby and when set is turned on
  - **[CheckIn and CheckOut]**: Clearing will only happen when a check in or check out is done from the PMS system, therefore you need to use PMS



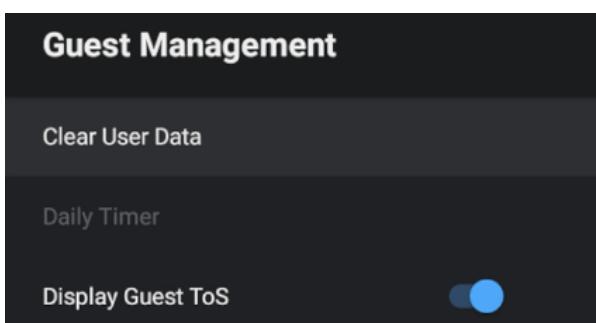
# PHILIPS



- Navigate to **[Daily Timer]** and open this menu

- You can set the hour and minutes when the TV should clear the data each day  
*Note that the **[Daily Timer]** menu will only be accessible when **[Clear User Data]** is set to **[Daily]***

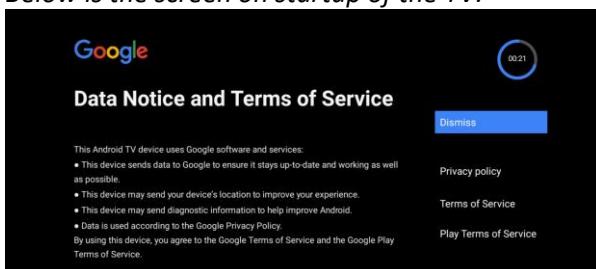
*Note that the data will not be cleared when TV is in on state, the data will be cleared at the next standby/wakeup*



- Navigate to **[Display Guest ToS]** menu
- You will be able to enable or disable the TV to show the ToS (Table of Service). When enabled, this screen is shown on wakeup from standby

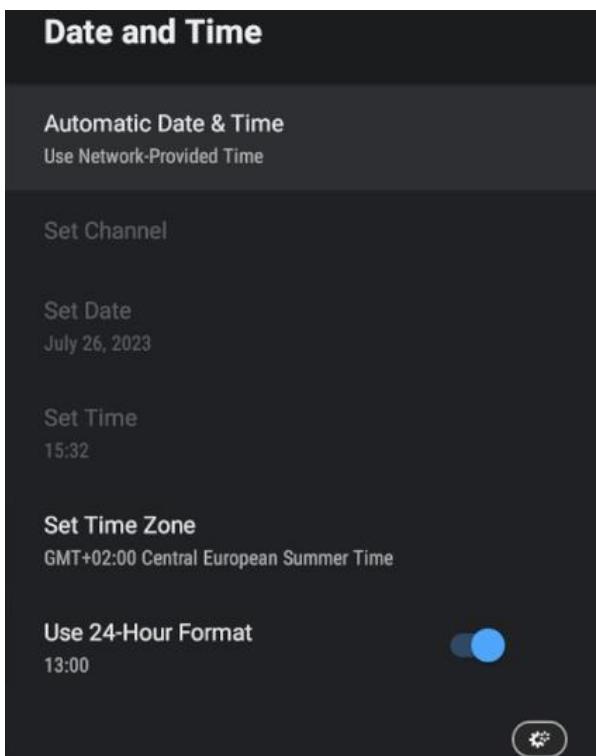
*Note that this is mandatory by Google to show this screen, if you don't want this screen to be shown on wakeup from standby, you can disable this function*

*Below is the screen on startup of the TV:*

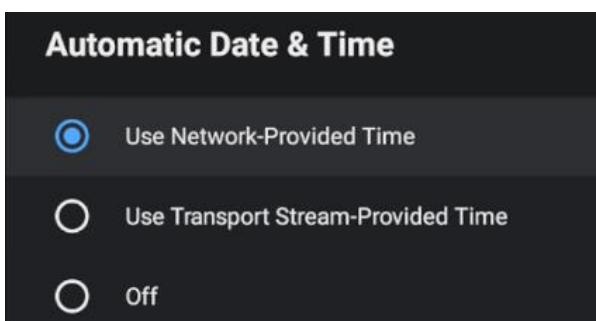




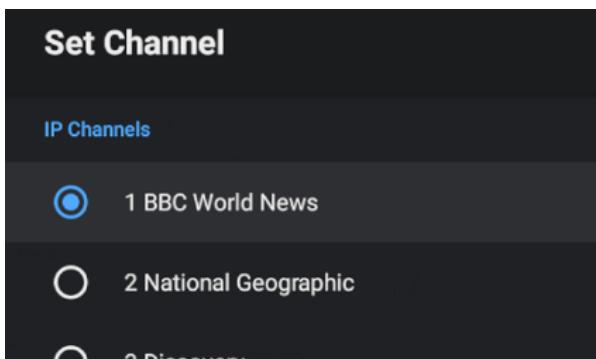
## 6.8.5 Date and Time



- Navigate to [Date and Time] and open this menu



- Navigate to [Automatic Date & Time] and open this menu
- You will see below items:
  - [Use Network-Provided Time]: Date and time is received via the network
  - [Use Transport Stream-Provided Time]: Date and time is received via channels data (can be both RF or IP depending on the installed channels)
  - [Off]: Date and time is not automatically set, this setting is not recommended to be used



- Navigate to [Set Channel] menu
- You will see a list of installed channels, you need to select one of them, this is the channel where the TV will obtain the clock from

*Note that [Set Channel] is only selectable if [Use Transport Stream-Provided Time] is set in [Automatic Date & Time]*



# PHILIPS

Set Date	Set Time
Jun	14
Jul / 26 / 2023	15 : 49
Aug	16

- Navigate to [Set Date] and [Set Time] and open those menus
- You will be able to set the date and the clock using the “**arrow keys**”  
*Note that [Set Date] and [Set Time] are only selectable if [Off] is set in [Automatic Date & Time]. After a power cycle of the TV the clock will be reset to default so it’s advised not to use this way to set the clock*

Set Time Zone	
Brazzaville	<input type="radio"/>
GMT+01:00	
Casablanca	<input type="radio"/>
GMT+01:00	
London	<input type="radio"/>
GMT+01:00	
Amsterdam	<input checked="" type="radio"/>
GMT+02:00	
Belgrade	<input type="radio"/>
GMT+02:00	
Brussels	<input type="radio"/>
GMT+02:00	
Cairo	<input type="radio"/>
GMT+02:00	

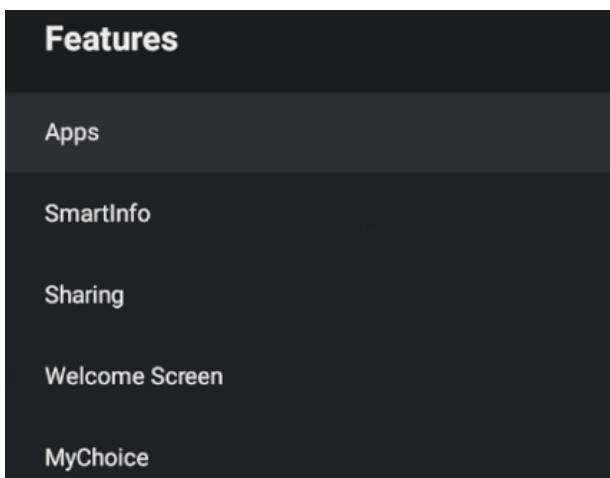
Use 24-Hour Format	<input checked="" type="radio"/>
13:00	

- Navigate to [Set Time Zone] and open this menu
- You will be able to select the time zone you are in

- Navigate to [Use 24-Hour Format]
- You can enable or disable this to change between 24-hour format or AM/PM format

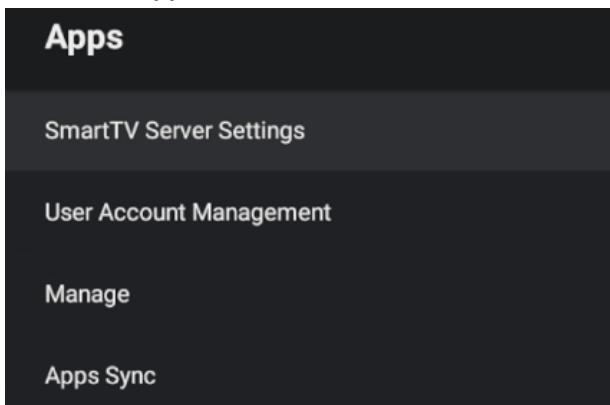


## 6.8.6 Features

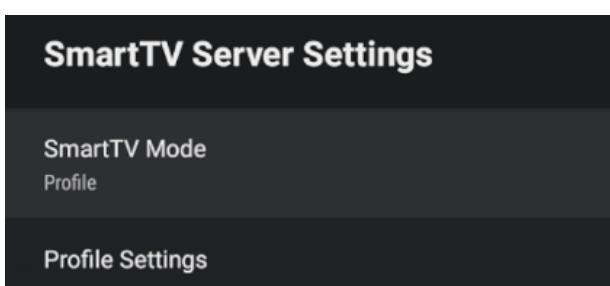


- Navigate to [Features] and open this menu
- You will see the available features where you can change the settings related to them

### 6.8.6.1 Apps

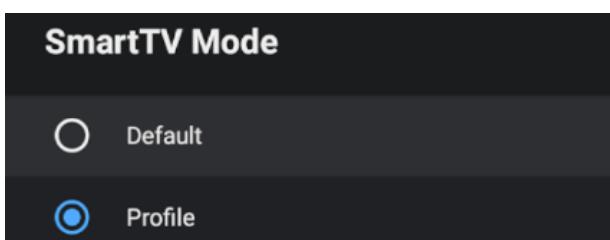


- Navigate to [Apps] and open the menu



- Navigate to [SmartTV Server Settings] and open this menu
- You can configure your apps using a wizard under [Features][Apps][Manage]. Once you have done this wizard you will be able to change your settings in this menu.

- You will see below items:
  - **[SmartTV Mode]:** You can set the SmartTV Mode to [Default] to use predefined apps or use [Profile] to use your custom configuration  
*Note that by default, there will be almost no apps available*
  - **[Profile Settings]:** When creating a custom profile, you can add/remove apps other than present in the default profile  
*Note that this menu is only accessible when [SmartTV Mode] is set to [Profile]*  
You will see following items in this menu:
    - **[AppControl ID Type]:** This can be set to [Auto] in case you used the wizard



## Profile Settings

AppControl ID Type  
Manual

Appcontrol ID  
1012

Profile Name  
T32a

Location ID

to create an AutoProfile for you. You will not be able to modify the AutoProfile on the online portal with your AppControl account. You can also set it to **[Manual]** in order to use a configuration that is stored in your own AppControl account

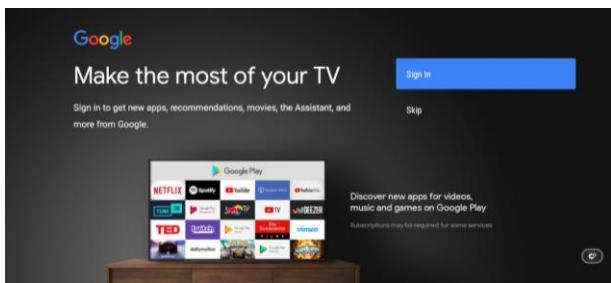
- **[AppControl ID]:** In this field, you will see 'Auto' as a value in case you are using an AutoProfile. If you want to use your own profile you can set your own profile ID in this field
- **[Profile Name]:** In this text field, you will see 'AutoProfile\_YYYYMMDD\_xxxx' as a value in case you are using an AutoProfile. This is the AutoProfile name you have created using the configuration wizard. If you want to use your own profile you can set your own profile name in this field
- **[Location ID]:** This field is to set a location ID

*Note that this is not used for anything  
Note that in the chapter 'Manage Apps' you can see how you can use the website to configure your personal profile*

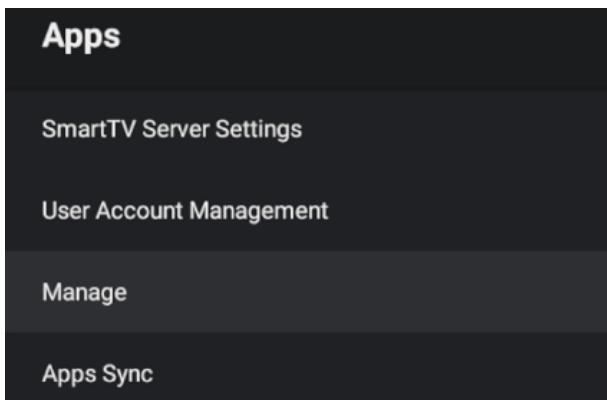
*Also note that Apps will only be synchronized to the server when you have exited the Professional Session. After exiting the Professional Session, you will see the app list appear in your personal profile*

## Accounts & Sign-In

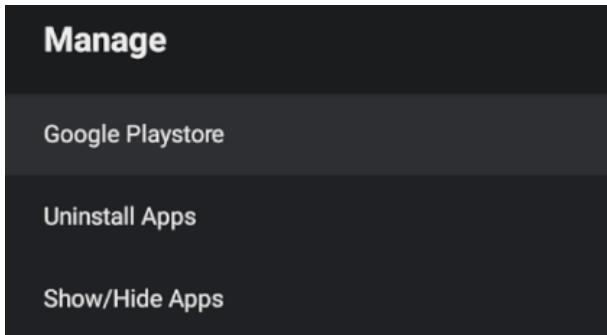
+ Add Account



- Navigate to **[User Account Management]** and open the menu
- You will be able to login to your google account using **[Add account]** or logout after you have logged in



- Navigate to [Manage] and open this menu to start the configuration wizard to install and manage your apps.  
See more details in the chapter 'Manage Apps configuration wizard'

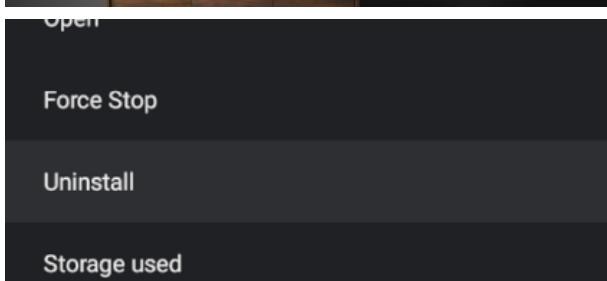
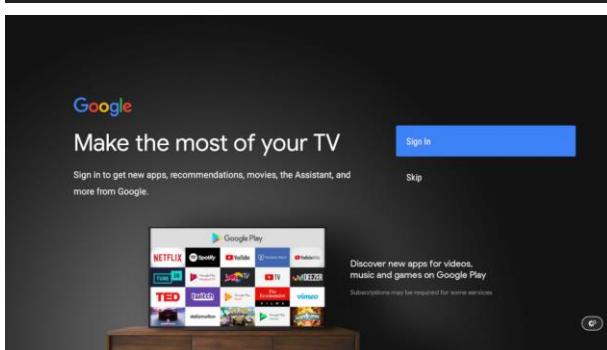


- After you have gone through the wizard you will be able to access the menu and access below menu items:

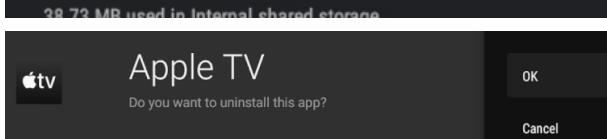
■ **[Google Playstore]:** You can open the Google Play Store, you need to login with your personal Google account and install all the apps you want to have default installed in the TV

More details on how to do this can be found in the 'Installing Apps using Google Play Store' chapter

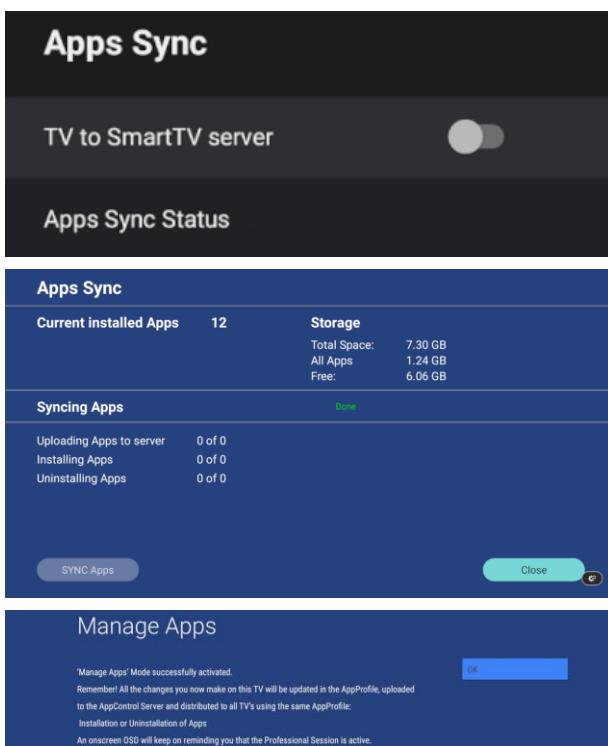
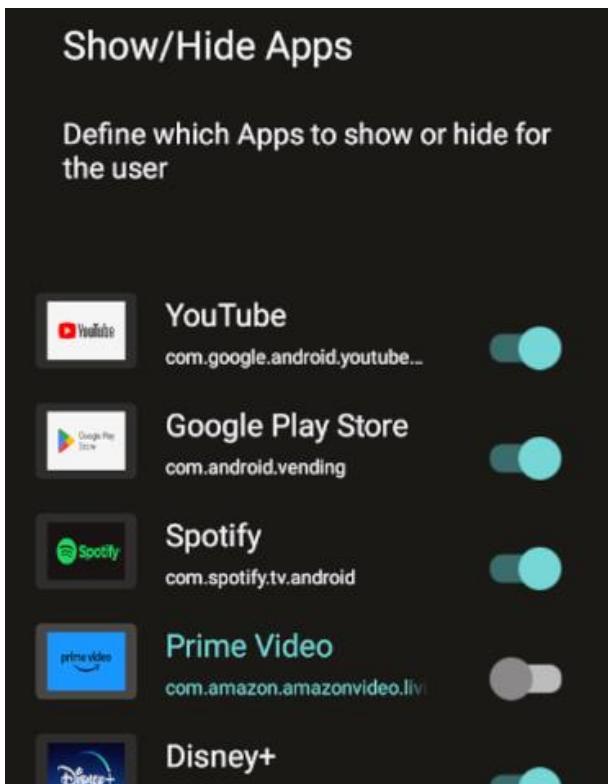
*Note that in the end you will log out again and no data from your personal account will be linked to the configuration you made, you only need to login in order to install the apps*



■ **[Uninstall apps]:** You can open this menu to uninstall apps. When opening this menu, you will see a list of **[Recently opened apps]** and **[See all apps]**. When opening **[See all apps]**, you can open the app you want to uninstall and select **[uninstall]** and press "OK". You will get a new screen where you can activate the **[Uninstall]** action



■ **[Show/Hide Apps]:** You can show or hide apps by toggling the button

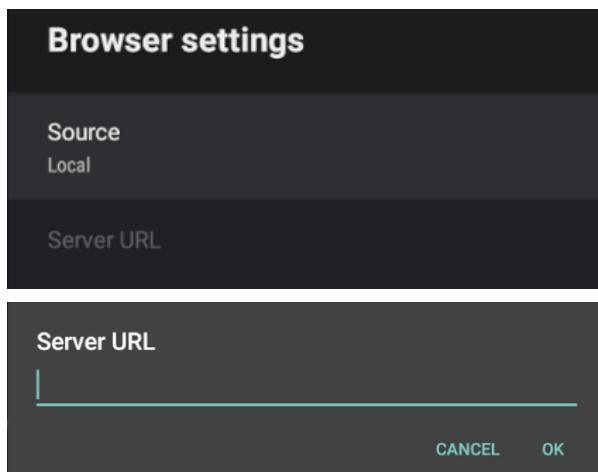
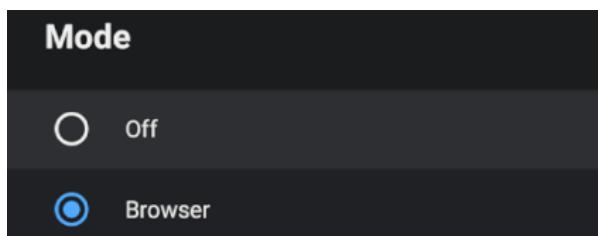
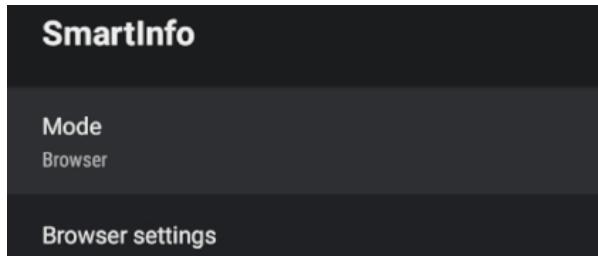


- Navigate to [App Sync] and open this menu
- You will see below items:
  - [TV to SmartTV Server]: You can enable or disable this to upload apps to the Philips servers so they can be synced again to other TV's  
*Note that you should disable this option if you are developing your own application*
  - [Apps Sync Status]: By opening this screen you can see the current status of the apps synchronization  
You can activate the [SYNC Apps] button to update the apps and see the progress, once done, this screen will be exited



## 6.8.6.2 SmartInfo

See also more details in the chapter 'Guest Menu – SmartInfo'



- Navigate to [SmartInfo] and open this menu

*Note that earlier created SmartInfo pages might not fully work, they cannot retrieve information from the TV (like the channel list) or control the TV (like changing preset)*

- Navigate to [Mode] and open this menu
- You will see below items:
  - [Off]: Disable SmartInfo feature
  - [Browser]: Enable the SmartInfo feature

- Navigate to [Browser settings] and open the menu

*Note that [Brower settings] is only accessible when [Mode] is set to [Browser]*

- You will see below items:
  - [Source]: You can set the source of the browser to [USB], [Server] or [Local]
  - [Server URL]: You can set the server address where the browser is hosted

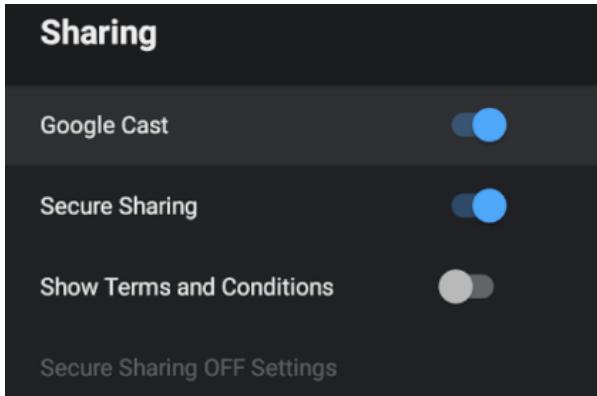
*Note that you can only access [Server URL] if [Source] is set to [Server]*

*Note that normally you load the SmartInfo into the clone file and load it locally in the TV, therefore you need to set [Source] to [Local]*

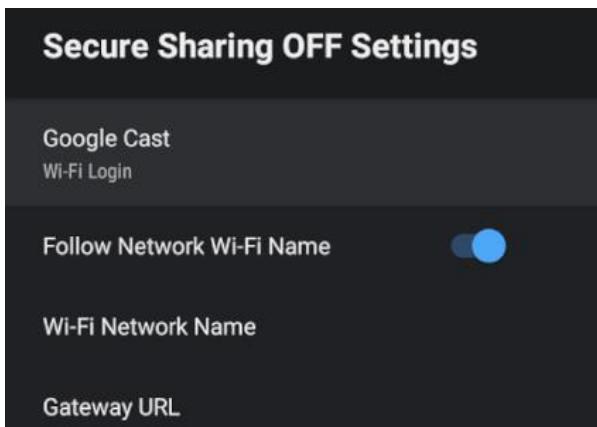
*Also note that if you select [USB], the TV will read from the folder TPM215H\*\*\_CloneData/ MasterCloneData/SmartInfoBrowser/*



### 6.8.6.3 Sharing



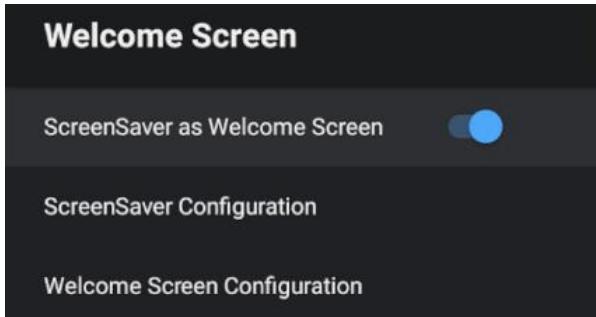
- Navigate to [Sharing] and open this menu  
*Note that you can find more details in the chapter 'Guest Menu – Cast' to better understand casting details*
- You can toggle [Google Cast] to enable or disable Google Chromecast
- You can toggle [Secure Sharing] to enable or disable Secure sharing. When enabled, the TV will be able to make a peer-to-peer connection with a mobile device  
*Note that when you disable [Secure Sharing] it's up to the SI to set up his own infrastructure to make the connection*
- You can toggle [Show Terms and Conditions] to enable or disable the Terms and Conditions that can be shown when a guest connects to TVs hotspot  
*Note that there is a default T&C text that can be updated by the SI. This can be done by editing the CustomTermsAndCondition.json in the TVSettings folder of the clone file. See the 'example' chapter for more details*



- Navigate to [Secure Sharing OFF Settings] and open this menu  
*Note that [Secure Sharing OFF Settings] is only accessible when [Secure Sharing] is disabled*
- You will see below items:
  - [Google Cast]: This is to define how to connect to the TV for using Google Chromecast. You can choose between [Wi-Fi Login] or [Gateway]
  - [Follow Network Wi-Fi Name]: This can be enabled or disabled
  - [Wi-Fi Network Name]: You can set the Wi-Fi Network name (SSID) to be shown
  - [Gateway URL]: You can set the gateway to use for Cast function. This gateway should contain HTML pages that shall be rendered to explain how to use the Cast function by the SI

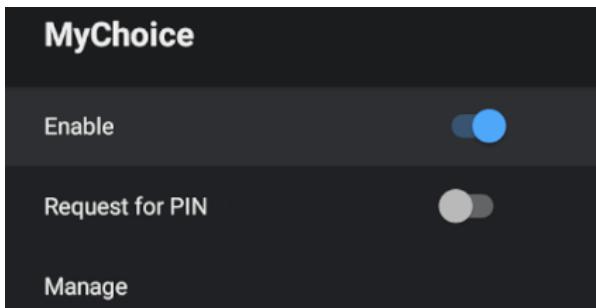


#### 6.8.6.4 Welcome Screen



- Navigate to **[Welcome Screen]** and open this menu
- You will see below items:
  - **[ScreenSaver as Welcome Screen]**: You can enable or disable the welcome screen using the toggle button
  - **[ScreenSaver Configuration]**: You will be able to manage the Screensaver, see chapter 'Manage Welcome Screen' for more details
  - **[Welcome Screen Configuration]**: You will be able to manage the Welcome Screen, see chapter 'Manage Welcome Screen' for more details

#### 6.8.6.5 MyChoice

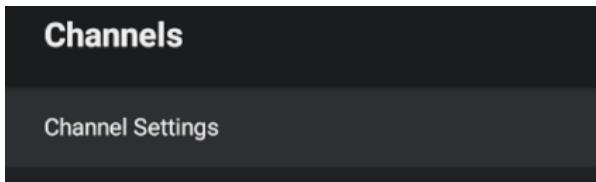


- Navigate to **[MyChoice]** and open the menu
- You will see below items:
  - **[Enable]**: You can enable or disable MyChoice using the toggle button
  - **[Request for PIN]**: You can enable or disable that the PIN code is requested every time the set is switched on until the validity is expired using the toggle button
  - **[Manage]**: You will be able to manage MyChoice, see chapter 'Manage MyChoice' for more details

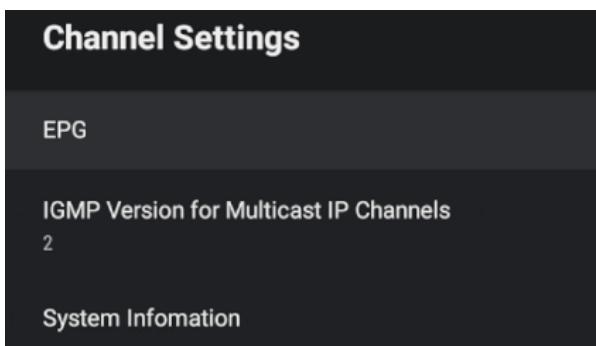
*Note that **[Request for PIN]** and **[Manage]** are only accessible when **[Enable]** is enabled*



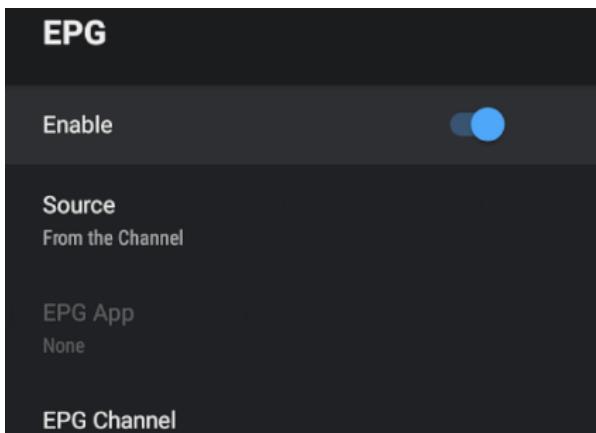
## 6.8.7 Channels



- Navigate to [Channels] and open this menu



- Navigate to [Channel Settings] and open this menu



- Navigate to [EPG] and open this menu
- You will see below items:

- **[Enable]:** You can enable or disable EPG using the toggle button
- **[Source]:** The EPG data can be downloaded **[From the Broadcaster]**, if you select **[From the Channel]**, the TV will tune to the channel set in **[EPG Channel]** if the guest uses the “**Guide**” button

*Note that if you have created and installed an application to receive EPG data there will be an extra option available called **[From the App]***

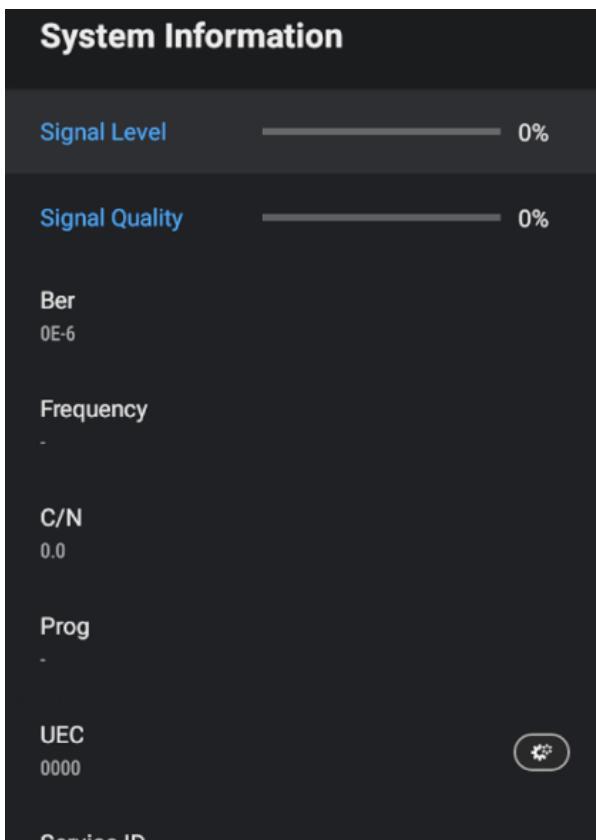
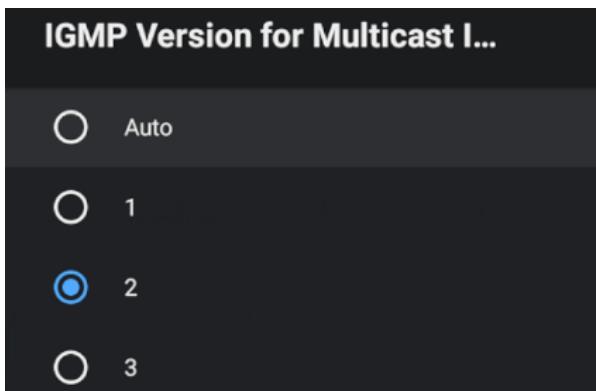
- **[EPG App]:** If you have installed an EPG App then you can access this menu. By default, no apps are installed for EPG data extraction

- **[EPG Channel]:** You should see the channel list here to set to which channel to should tune to show the EPG data

*Note that **[Source]** is only accessible when **[Enable]** is enabled, **[EPG Channel]** is only accessible if **[Source]** is set to **[From Channel]***



# PHILIPS



- Navigate to [IGMP Version for Multicast IP Channels] and open this menu
- You can set your IGMP version for multicast to [Auto], [1], [2] or [3]

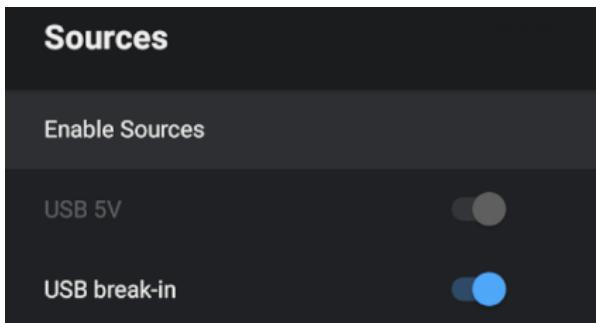
- Navigate to [System Information] and open this menu
- You can see many details related to your signal

*Note that this is only information about a signal you are tuned to in the background, you cannot change settings in this menu*

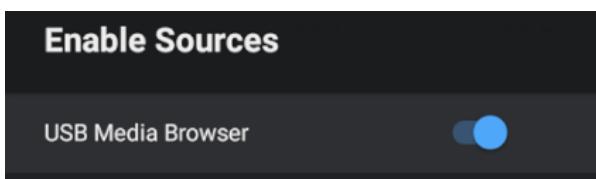


## 6.8.8 Sources

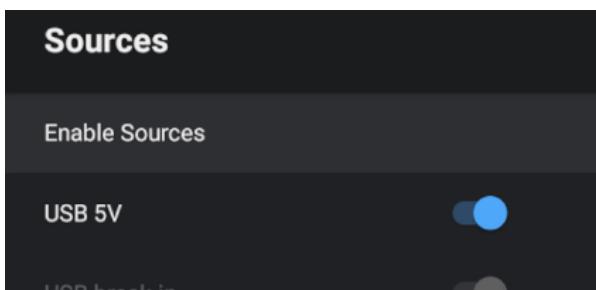
Note that you can also find source related settings in the [Professional Menu] [Device Preferences] [Inputs]



- Navigate to [Sources] and open this menu

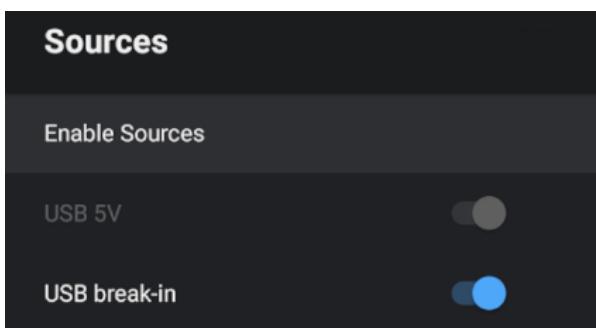


- Navigate to [Enable Sources] and open this menu
- You will be able to enable or disable [USB Media Brower] by toggling the button



- Navigate to the [USB 5V] menu
- You can enable or disable the 5V on the USB ports to be available using the toggle button

*Note that [USB 5V] is only accessible if [USB Media Brower] is disabled*



- Navigate to [USB break-in] and toggle the button to enable or disable the TV to break in into the Media Brower when a USB flash drive is connected

*Note that [USB break-in] is only accessible if [USB Media Brower] is enabled*



## 6.8.9 Wireless and Networks

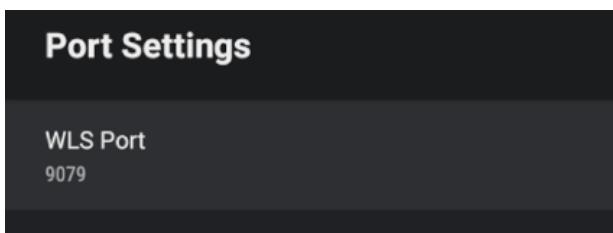
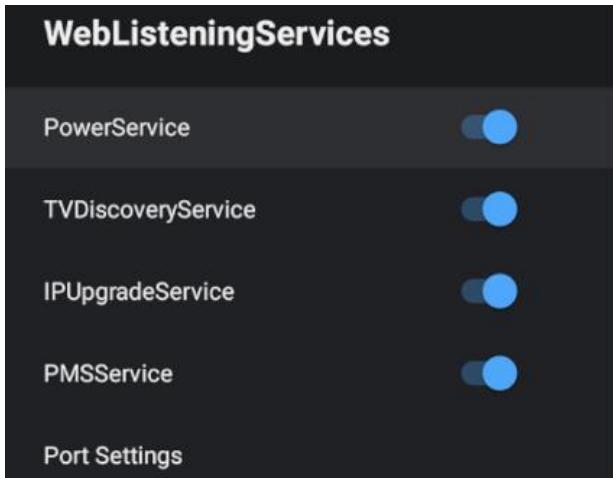
The screenshot shows the 'Wireless and Networks' menu with the following structure:

- Wireless and Networks**
  - Control TV Over IP
- Control TV Over IP**
  - WebServices
  - WebListeningServices
- WebServices**
  - Server URL**: http://192.168.0.146:8080/SmartInstall/webservices.jsp
  - TVDiscoveryService**: Enabled (blue toggle switch)
  - IPUpgradeService**: Enabled (blue toggle switch)
  - PMSService**: Enabled (blue toggle switch)

- Navigate to **[Wireless and Networks]** and open this menu
- Navigate to **[Control TV Over IP]** and open this menu
- Navigate to **[Webservices]** and open this menu
- Web Services is a mechanism to exchange information from the TV to the server like CMND. The TV will send service messages to the server depending on which ones are enabled or disabled. All these services should be enabled for a good working communication with CMND
- You will see below items:
  - **[Server URL]**: This is the URL where the Web Services server can be found. This server will host the pages  
To see your TV's in CMND you need to set the correct URL pointing to the CMND server. Example:  
<http://1.2.3.4:8080/SmartInstall/webservices.jsp>
  - **[TVDiscoveryService]**: TV Discovery Service is the Web Service through which a Web Server will detect the presence of TVs in the IP Network using the TV Serial Number and Production code (and other data). You can enable or disable this using the toggle button
  - **[IPUpgradeService]**: This will allow cloning and software update of the TV over IP via CMND. You can enable or disable this using the toggle button
  - **[PMSService]**: This will allow the PMS feature to communicate. You can enable or disable this using the toggle button

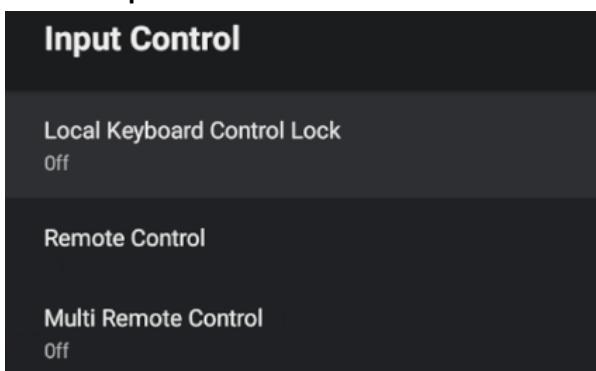


# PHILIPS



- Navigate to **[WebListeningServices]** and open this menu
- Web Listening Services is a mechanism to exchange information from the server to the TV. This enables a small server to run inside the TV that listens to services sent from the server
- You will see below items:
  - **[PowerService]**: PowerService feature shall enable to remotely request for the current status of the TV or change the power status of the TV. You can enable or disable this using the toggle button
  - **[TVDiscoveryService]**: TV Discovery Service is the Web Service through which a Web Server will detect the presence of TVs in the IP Network using the TV Serial Number and Production code (and other data). You can enable or disable this using the toggle button
  - **[IPUpgradeService]**: This will allow cloning and software update of the TV over IP via CMND. You can enable or disable this using the toggle button
  - **[PMSService]**: This will allow the PMS feature to communicate. You can enable or disable this using the toggle button
  - **[Port Settings]**: Using this menu you can change the **[WLS Port]**

#### 6.8.10 Input Control



- Navigate to **[Input control]** and open this menu



**PHILIPS**

## Local Keyboard Control Lock

Off

On

All

- Navigate to **[Local Keyboard Control Lock]** and open this menu

○ You will see below items:

▪ **[Off]**: All local keyboard buttons are enabled

▪ **[On]**: All local keyboard buttons are disabled except for the power button

▪ **[All]**: All local keyboard buttons are disabled including the power button

*Note that local keyboard buttons are the buttons on the bottom sider of the TV*

## Remote Control

### Lock

Off

### "Cast" RC Key Mapping

Cast

### Lock

Off

On

All

- Navigate to **[Remote Control]** and open this menu

- You will see below items:

▪ **[Lock]**: The TV will not respond to any RC codes sent to TV by putting Lock to **[On]** except for the standby command, if it's set to **[All]** no RC codes can be sent to TV, by default this is set to **[Off]** to be able to control the TV using the RC

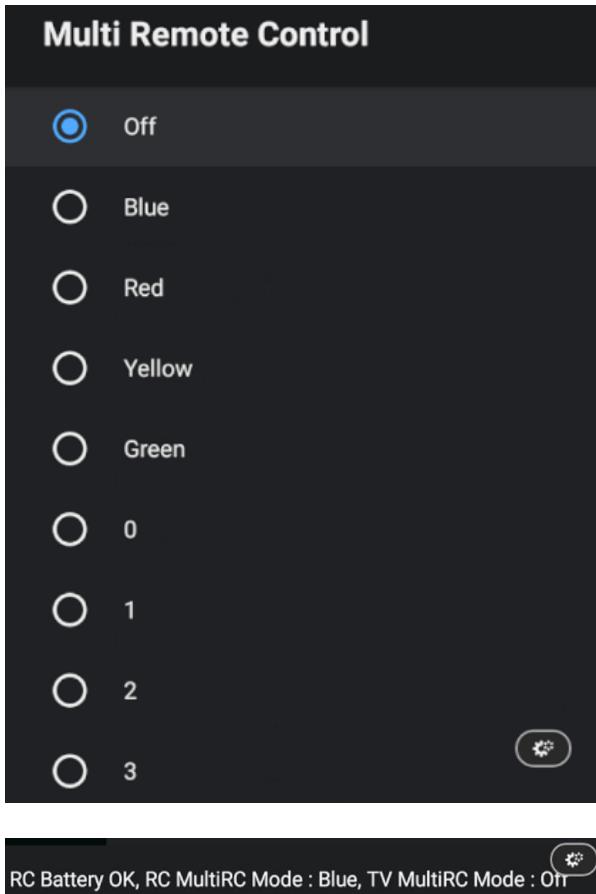
*Note that using the master RC you will still be able to enter in the professional menu and navigate in it*

▪ **[“Cast” RC Key Mapping]**: You can map the **“Cast”** button on the RC to different inputs. By default, this is mapped to **[Cast]** but you can also set this to **[HDMI 1]**, **[HDMI 2]** or **[HDMI 3]**

*Note that the external sources will be shown or not depending if they are enabled in **[Professional Menu]** **[Device Preferences]** **[Inputs]** or not*



# PHILIPS

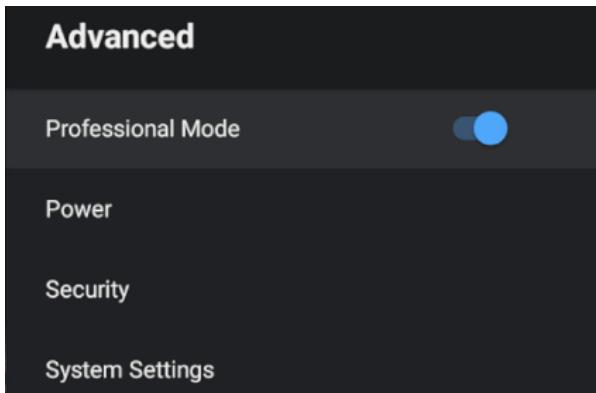


RC Battery OK, RC MultiRC Mode : Blue, TV MultiRC Mode : Off

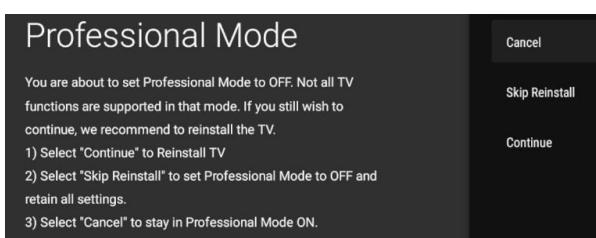
- Navigate to **[Multi Remote Control]** and open this menu
- This function allows that up to 14 televisions can be installed in a room whereas each TV will react to its own RC
- You will see a list of options ('Off', the 4 color keys and all digits)
- The TV will only react on the RC that is programmed linked to your selection  
*Note that the TV will still respond to the master RC*
- Once the TV is set to some value other than **[Off]**, also the RC should be programmed to the same selection to still work with the TV
- How to program the RC:
  - Press and hold both the menu and the color button or digit button on the RC for about ten seconds (You should not point the RC to the receiver on the TV)
  - To see the status of the remote control, while pointing at the TV, press and hold the **"Mute"** button for about ten seconds until you get a notification on screen
  - You will see the battery status of the RC, the setting programmed in the RC (default = blue) and the setting in TV

Note: See also more details in chapter 'Remote control'

### 6.8.11 Advanced



- Navigate to **[Advanced]** and open the menu



- Navigate to **[Professional Mode]** menu and enable or disable this menu using the toggle button
- You will see a warning when you want to disable professional mode  
*Note that this option should always be enabled to be able to use the TV as a professional TV. You should never disable*



# PHILIPS

*this option unless you do not want to use this TV any longer as a professional TV*

## Power

Power On  
Standby

Standby Mode  
Green

Auto Standby  
4 hours

No Signal Auto Standby  
5 minutes

- Navigate to [Power] and open this menu
- You will see below items:
  - **[Power On]**: After a power reboot of the TV the TV will restart in [Standby] or in [On] mode, depending on the selection
  - **[Standby Mode]**: The TV will quickly turn on (higher power consumption in standby) when [Fast] is selected, TV will consume less power (but will have a slower startup time) when selecting [Green]

*Note that for IP connected installations it must be set to [Fast]. If [Green] is used, make sure [Wow] or [Wol] is enabled*

- **[Auto Standby]**: The TV will go to standby if no user interaction is there for [4 hours], [6 hours] or [8 hours] depending on the selection. You can also disable the TV to go to standby by selecting [Never]
- **[No Signal Auto Standby]**: When there is no input signal at the channel or extension where the TV is tuned to, for the set time of [5 minutes], [10 minutes], [15 minutes], [30 minutes] or [60 minutes], the TV will go into standby mode after the selected time. When you set the value to [Off], the TV will never go to standby when there is no signal

## Security

Professional Menu PIN Lock

High Security

Pro:Idiom  
Off

- Navigate to [Security] and open the menu
- You will see below items:

▪ **[Professional Menu PIN Lock]**: You can enable or disable that a 5 digits PIN code to lock the professional menu is shown when you want to enter the professional menu using a key sequence

When you enable this menu, you can set the 5 digits PIN

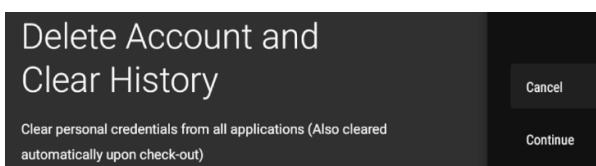
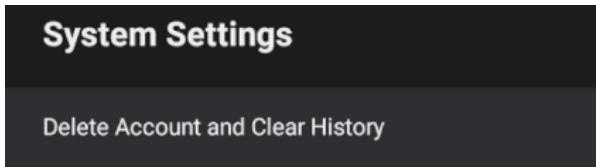
*Note that you can still access the professional menu with the Master RC without entering the PIN*

- **[High Security]**: When enabled, the professional setup menu can only be accessed with the Master RC and not using the key sequence via a Guest RC, when disabled you can use both

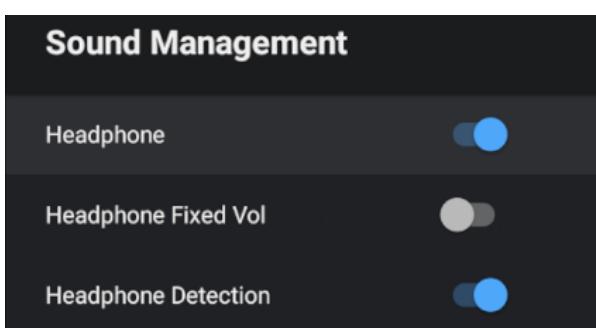
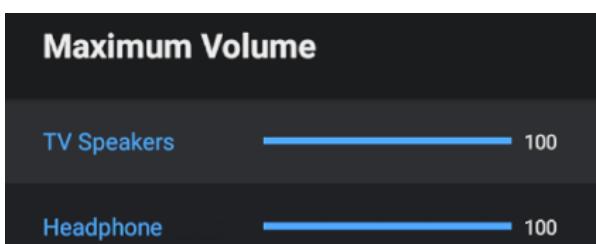
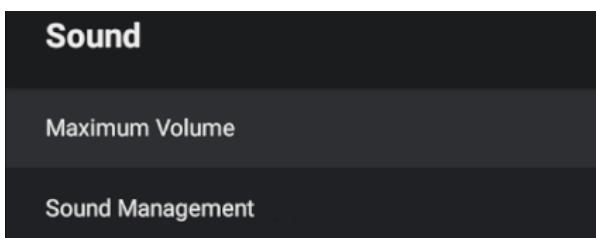
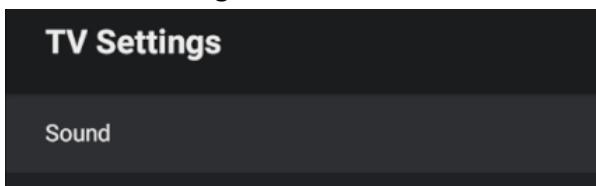


# PHILIPS

▪ **[Pro:Idiom]**: You can select **[Off]** to disable this or **[Free To Guest]** to allow Free-to-guest content



### 6.8.12 TV Settings



- Navigate to **[System Settings]** and open this menu
- Navigate to **[Delete Account and Clear History]** and open this menu to logout and clear your history

- Navigate to **[TV Settings]** and open this menu

- Navigate to **[Sound]** and open this menu

- Navigate to **[Maximum Volume]** and open this menu
- Using the **[TV Speakers]** slider you can set the maximum volume for the TV speakers
- Using the **[Headphone]** slider you can set the maximum volume for the headphone

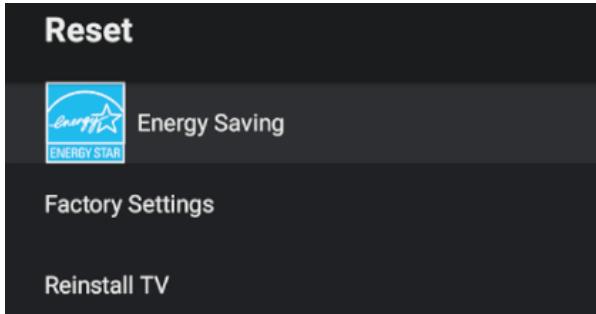
- Navigate to **[Sound Management]** and open this menu
- By toggling **[Headphone]** you can enable or disable audio to be played on the headphone
- By toggling **[Headphone Fixed Vol]** you can enable or disable the possibility to change the headphone volume, when disabled the volume will be fixed following the switch on setting
- By toggling **[Headphone Detection]** you can enable or disable the headphone



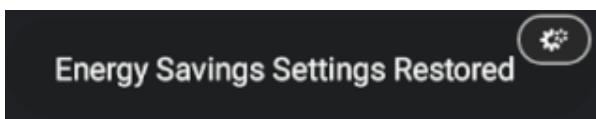
# PHILIPS

detection. When enabled and the headphone is connected, the TV speakers will be muted automatically

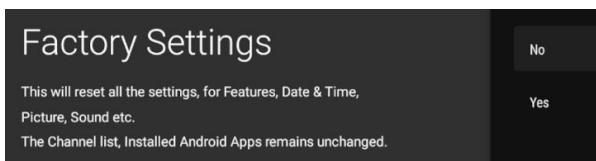
### 6.8.13 Reset



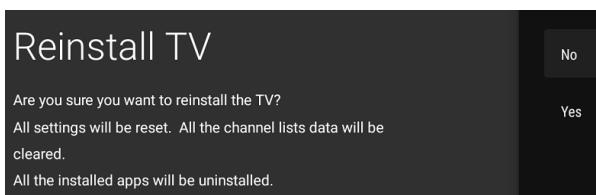
- Navigate to [Reset] and open this menu



- Navigate to [Energy Saving] and open this menu
- Standby mode will be set to Green, Picture Mode will be set to Standard and No Signal Auto Standby will be set to 5 minutes. A notification will be shown on screen to indicated the settings have been restored



- Navigate to [Factory Settings] and open this menu
- When you select [Yes] and you press “OK”, you will reset all settings to the factory settings except for some set specific settings like RoomID, professional mode, WebServices URL and professional menu pin lock. Installed channel lists and android apps remain unchanged



- Navigate to [Reinstall TV] and open this menu
- When you press “OK” on [Yes] you will Reinstall the TV, your TV will reboot and start in IIC mode (like the TV comes out of the box). All the settings will be reset to the factory settings except for RoomID, professional mode, WebServices Server URL and professional menu pin lock. All user data will be cleared

*Note that you will see an erasing message for a while, all your settings will be reset and you will have to load a new clone file to the TV or perform an IIC installation. This action can take several minutes.*



## 7. Professional setting wizards

### 7.1 Manage Apps

#### 7.1.1 Manage Apps configuration wizard

There are two ways to configure your apps in the TV.

- 1) Create your own Profile in order to manage the apps through the web portal (<https://appcontrol.cmnd.pro/>). The initial configuration is to be done through the TV in order to see the apps in the web portal
- 2) Make an 'auto generate AppProfile'. If you use an 'Auto generate AppProfile' you will not be able to manage this through the web portal, you can only edit the profile by logging into a TV with this profile already configured and edit the profile through the TV

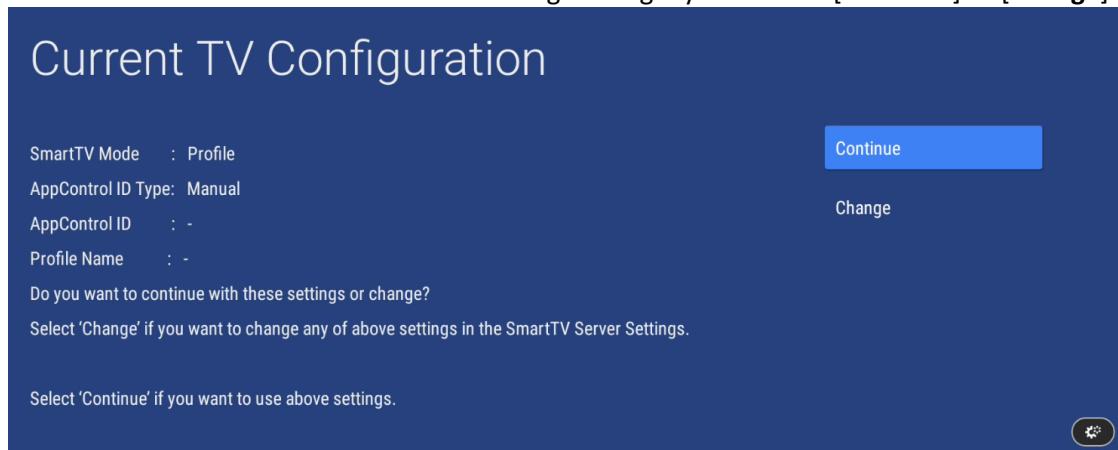
If you go to the Professional menu and navigate to **[Advanced Settings][Features][Apps][Manage]** you will open the wizard to configure your Apps settings. Once you have gone through the wizard your profile settings can be found back in the **[Advanced Settings][Features][Apps][SmartTV Server Settings]** submenu's.

In the wizard, you will be guided through several screens before you can access the menu to further configure your apps.

Each time you want to enter this menu again, you will need to go through the wizard again before you can change settings or install new apps. If you have already configured a profile, the fields will already be filled with your current settings.

You will see following screens when going to **[Advanced Settings][Features][Apps][Manage]** wizard:

- You will see an overview of the current settings asking if you want to **[Continue]** or **[Change]**



If you select **[Change]**, you will exit the wizard and be able to go back to the **[SmartTV Server Settings]** to change them



# PHILIPS

- If you **[Continue]** in the previous screen, you can choose to use an existing AppControl account using **[Yes]** or **[No]** if you want to configure the TV without an AppControl account.

## Manage Apps

You are about to add/remove/sort Apps on this TV.

No

Every configuration of Apps is stored in an AppProfile.

Yes

We recommend using an AppControl account to easily view and manage your AppProfiles online.

To create a new account or manage it, please use your PC and browse to:

<http://appcontrol.cmnd.pro/>

Select 'Yes' if you have an AppControl Account and wish to use it.

Select 'No' if want to continue managing the apps without an AppControl Account.



- If you select **[No]**, you will need to choose to **[Use Existing]** or create a **[New/Retry]** one to create or use an 'Auto generate AppProfile'. So, you will not be able to manage your apps using the AppControl web portal

## Manage Apps

Cancel

Use Existing

Please choose if you want the TV to generate a new AppProfile or if you want to update the existing AppProfile.

New/Retry

Note:

If you have an AppControl account, you can still link the AppProfile to your account so you can view and manage it online.

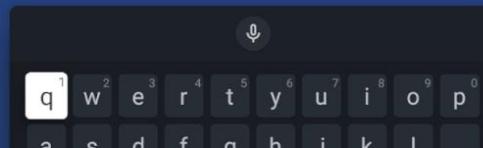
You can do this by logging in on the AppControl server.

When you do this, you need to update the SmartTV Server settings in the TV.

When **[Use Existing]**, you will be asked to enter the name

## Manage Apps

Please enter auto generated AppProfile:



When creating a new one, you will see a successful message in the bottom of the screen with the profile name. Wait until you go to the next screen.

## Manage Apps

Cancel

Use Existing

New/Retry

Please choose if you want the TV to generate a new AppProfile or if you want to update the existing AppProfile.



Note:

If you have an AppControl account, you can still link the AppProfile to your account so you can view and manage it online.

You can do this by logging in on the AppControl server.

When you do this, you need to update the SmartTV Server settings in the TV.

AutoProfile\_20230728\_082710  
is auto-generated successfully.

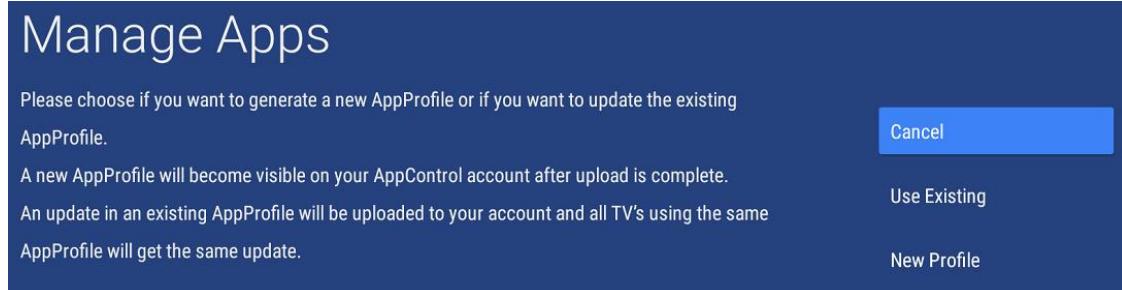




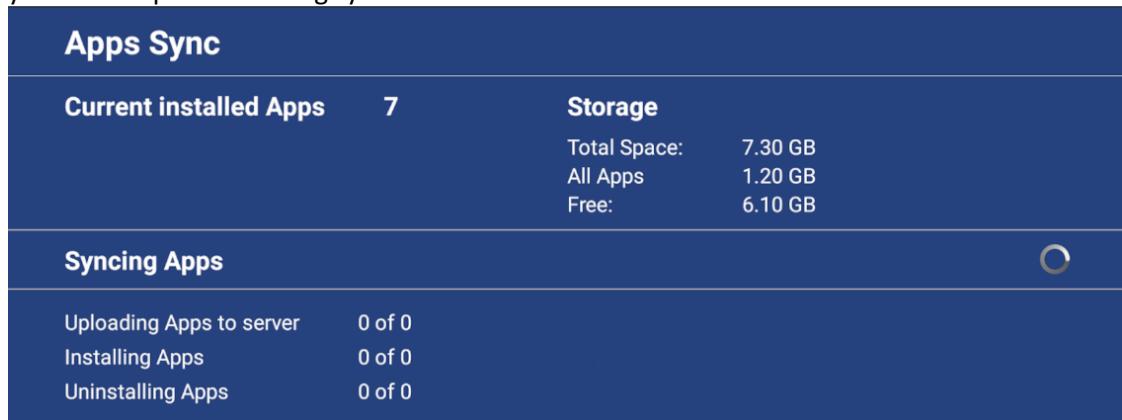
# PHILIPS

- If you select [Yes], you will need to use your own [AppControl ID], [PIN Code] and use your [Use Existing] profile or generate a [New Profile].

*Note that to create your own AppControl ID, see next chapter "Manage Apps through the web portal"*



- After you have created or loaded a profile or after you are using an existing or new 'Auto generate AppProfile' you will get a successful notification and move to the next screen where you see the profile is being synchronized



- Next, you will get a confirmation screen that the Manage Apps mode is successfully activated

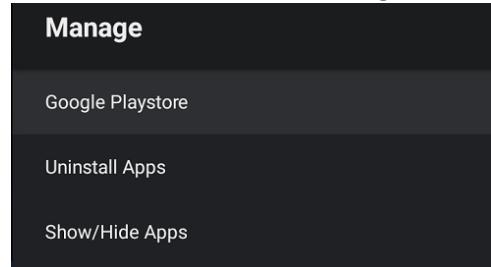


From here onwards, you can access the menu to control your apps and manage them as explained in the 'Apps' chapter under 'Professional Settings'.



## 7.1.2 Installing Apps using Google Play Store

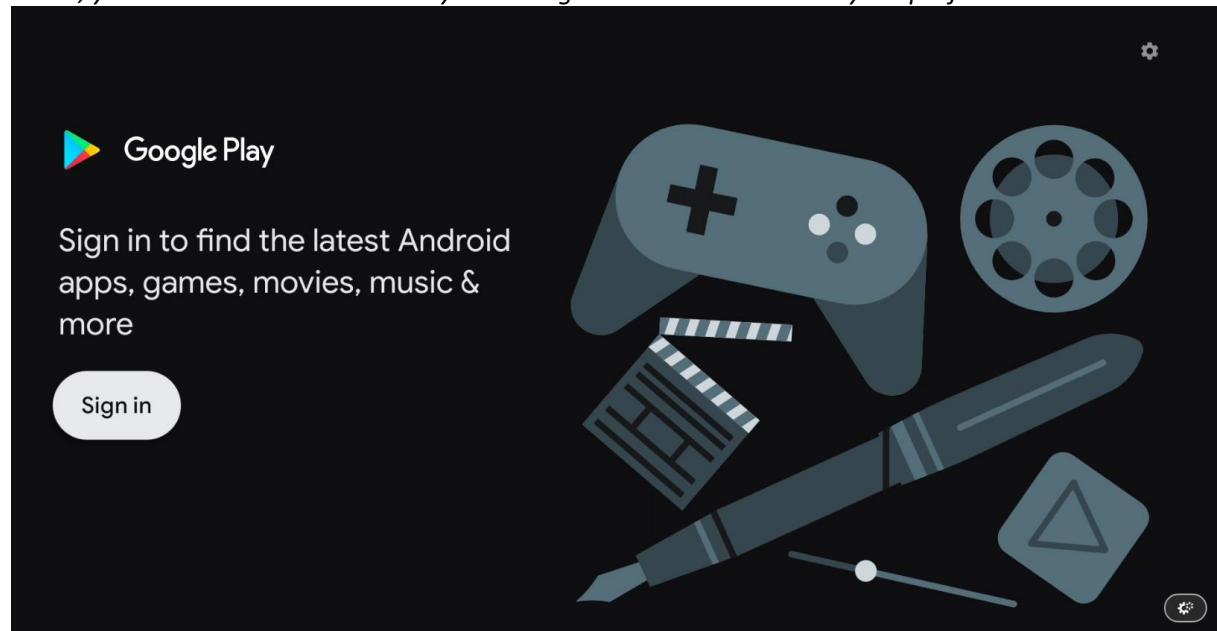
After you have gone through the wizard, you can access the menu to manage all the apps. If you need to change something and you want to access the menu again, you will need to go through the wizard again but reuse the AutoProfile that was created before or by entering your AppControl ID and Profile Name to be able to make changes to the existing profile.



In this chapter, we are going to explain the 'Google Playstore' menu item.

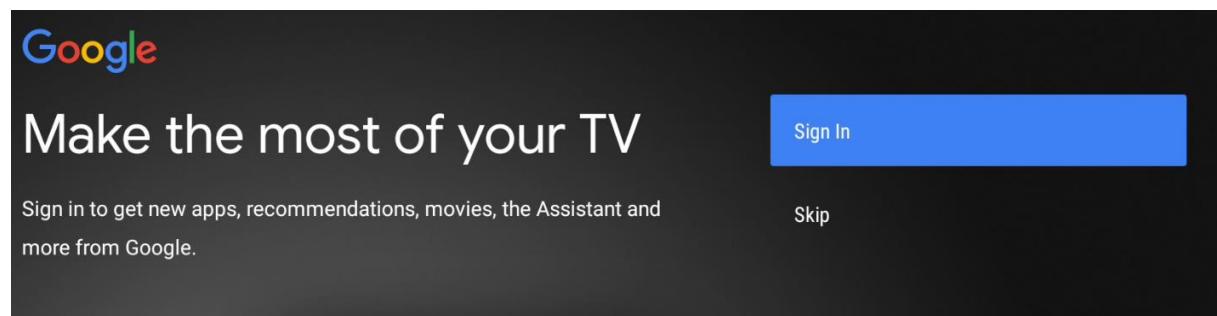
When you enter the Google Play Store menu, you will see the google Sign in screen.

*Note that you see the "Professional Session Active" icon in the bottom right corner, only when you see this icon you can make changes to the Profile. If you access the Google Play Store through the Guest menu, you will not see this icon and your changes will not be stored to your profile.*



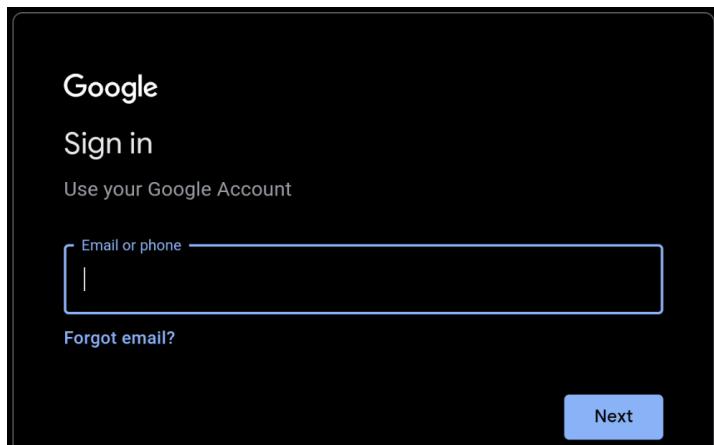
You need to sign in using your own Google account using your phone/computer or by entering your email and password using the onscreen keyboard.

*Note that when you finished the installation, you will be logged out again from your personal account and no changes will be stored on your account as they will be linked to the Appcontrol profile*

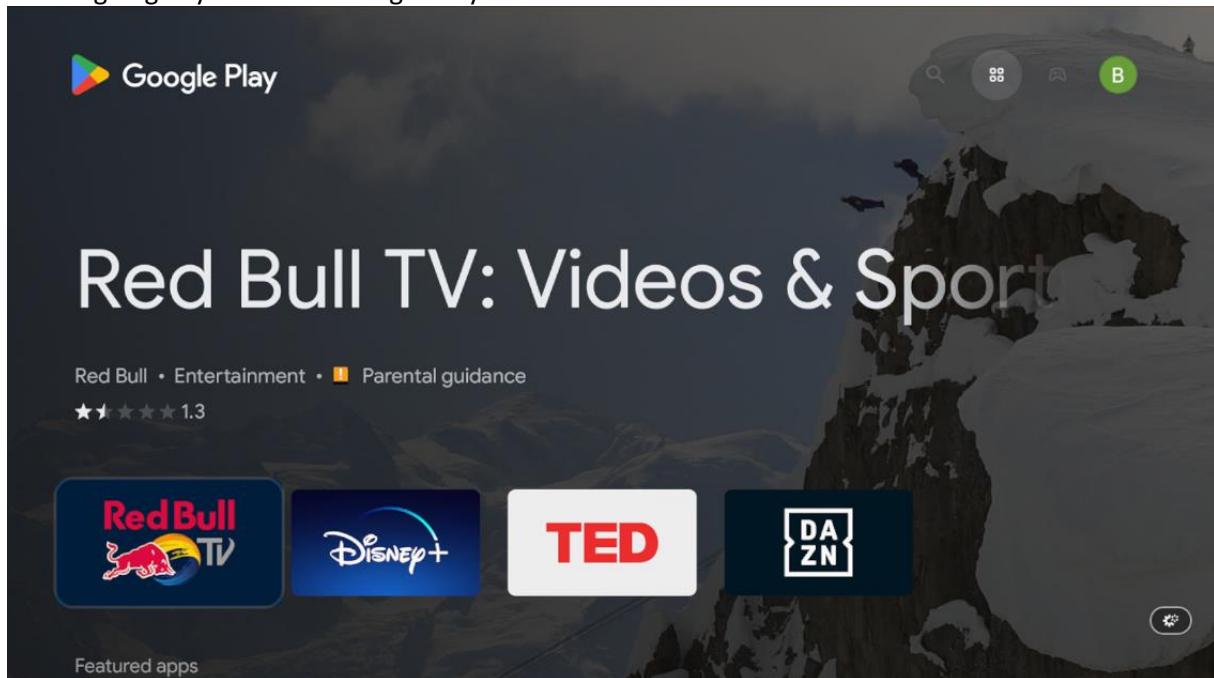




PHILIPS

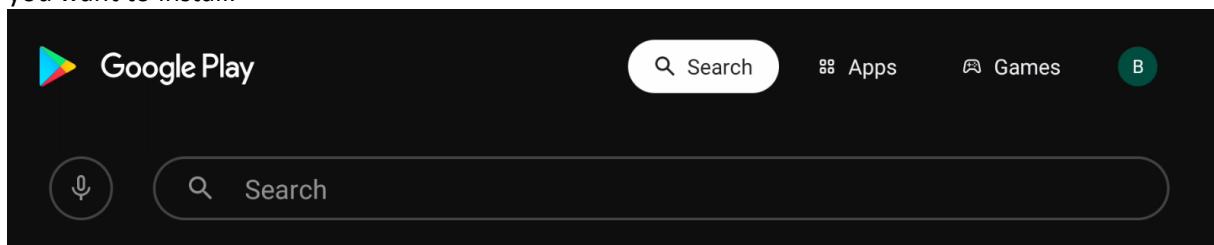


After signing in you will see Google Play

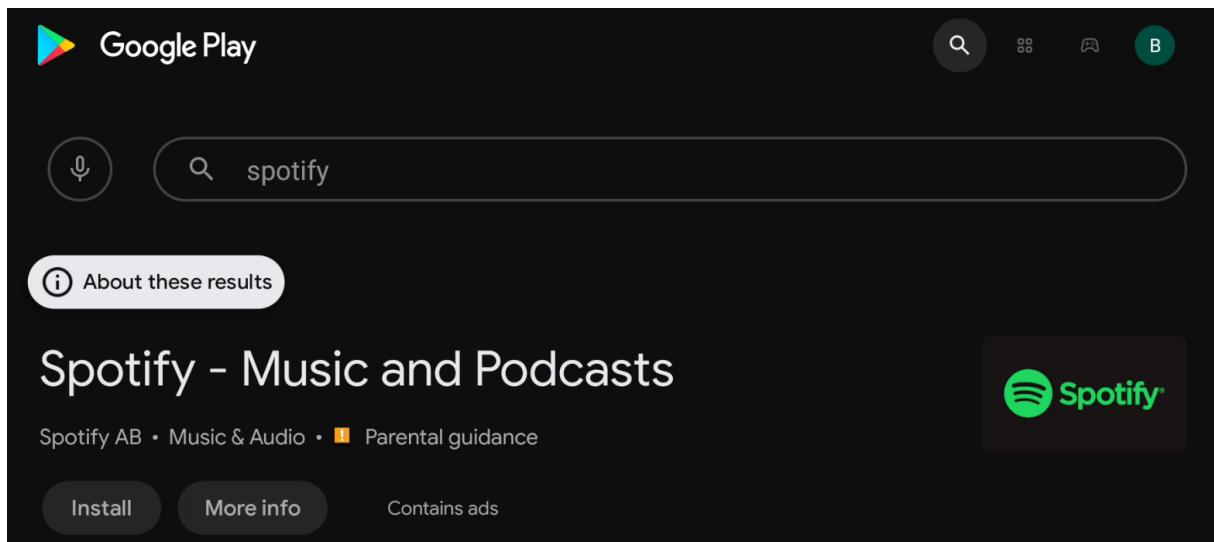


*Note that the apps you see on TV might be different from the screenshot*

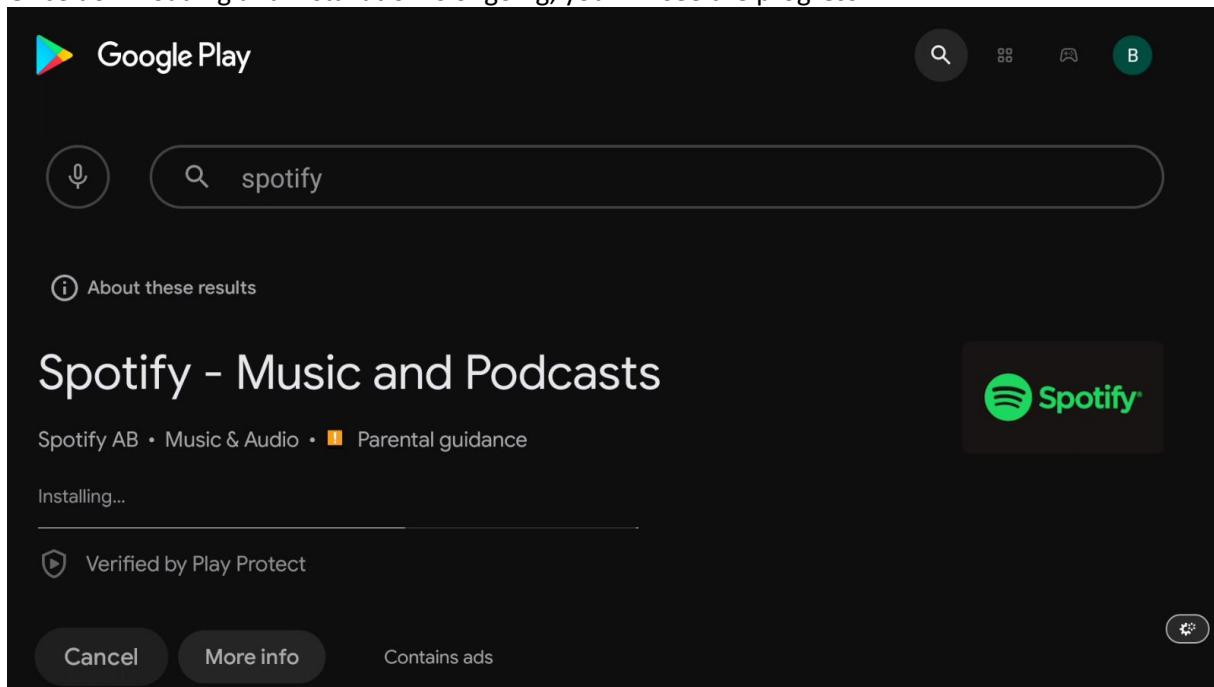
You can navigate and try to find apps or use the search function in the right upper corner to find apps you want to install.



Once you have found the app you were looking for you can select and open the app in order to see more details or install the app



Once downloading and installation is ongoing, you will see the progress.



Best is to wait until the installation is completed before installing a new app. You cannot see ongoing progress in the Google Play menu. The installation of the apps needs to be finished else they will not get uploaded to your app profile when you exit the professional menu.

When you can exit the professional menu, you will be asked to confirm that the installation was completely finished.

You can choose to go the **[Google Playstore]** or **[Exit Professional Session]** if you know everything is installed, you can exit.

## Exit Professional Session

You are attempting to exit the Professional Session. Your credentials will be cleared and download of apps from Playstore will be cancelled. In case you have installed new apps in this session, please check that all apps have finished downloading and installing.

Google PlayStore

Exit Professional Session

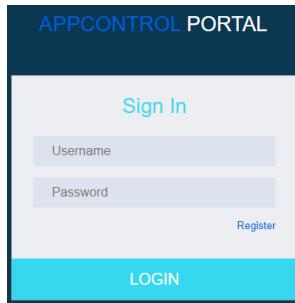
After exiting the professional menu, the profile configuration will be sent to the portal website where you can see your configuration. The uploading of apps to the portal website can still take some time depending on the number of apps you configured.

### 7.1.3 Managing Apps through the AppControl Portal

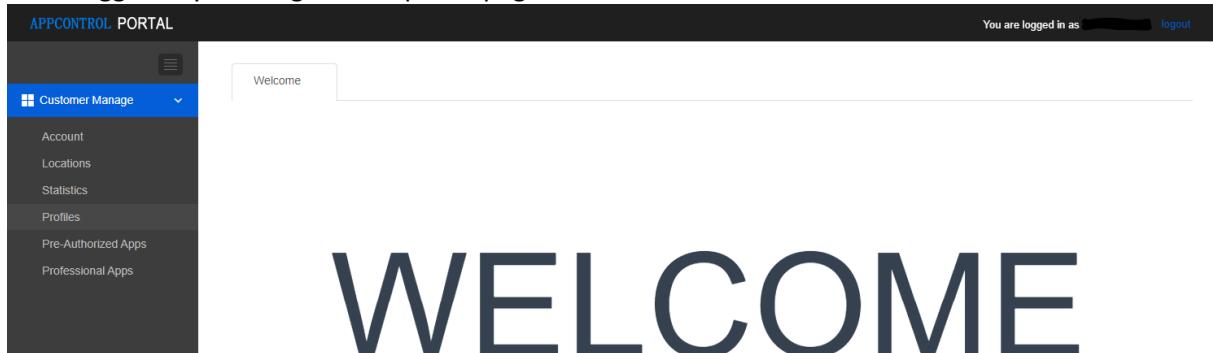
In this product, we have the support for Google Play and the ability to install apps directly from it both as a guest and as an installer. Since the Google framework itself does not cater for professional use, we have extended the already existing AppControl framework from previous generations to allow easy and remote management of the apps on the TV.

Using the AppControl function, you can re-order and remove apps on the. Adding new apps from Google Play still requires you to do this locally on one TV, from which the app gets uploaded to AppControl and distributed to all TV's having the same profile configuration. Once you installed an app in your account, you can reuse the app in multiple profiles inside this account.

You can access the web portal via <https://appcontrol.cmnd.pro/> If you do not have an account, you need to click the "Register" button in order to create one. You will receive a notification when the registration is approved.



Once logged in you will go to the portal page:





# PHILIPS

On the left side, there are multiple buttons:

- **Account:** Here you can find and edit the details of your account. This includes the 'App Control ID' and 'PIN Code' that you will need to configure a TV

My Account

User Name: [REDACTED]

First Name: [REDACTED]

PIN Code: [REDACTED]

Country: BE

Phone: [REDACTED]

App Control ID: [REDACTED]

Last Name: [REDACTED]

Company: Philips

City: Ghent

Email: [REDACTED]

Privacy Statement Terms of Use Change Password Edit Account

You can read the Privacy Statement, Terms of Use. You can change your password and edit your account using the top right buttons.

- **Locations:** Locations is not used, this is for any possible feature use
- **Statistics:** This page can be used to find statistics linked to your account over a specified time

Search

\*Choose Time: [REDACTED] to [REDACTED]

Device: All

Profile: All

Search

- **Profiles:** In the profiles page you can find back all profiles you have created with your account

Profiles

+ import AutoProfiles + Create new profile based on predefined

	Profile Name	Create Time	Operation
<input type="checkbox"/>	hotel3	2021-08-20 14:26:31	<a href="#">Edit</a> <a href="#">copy</a>
<input type="checkbox"/>	hotel2	2021-08-20 14:21:03	<a href="#">Edit</a> <a href="#">copy</a>
<input type="checkbox"/>	hotel1	2021-08-20 13:57:37	<a href="#">Edit</a> <a href="#">copy</a>
<input type="checkbox"/>	AutoProfile_20210820_013353	2021-08-20 13:33:53	<a href="#">Edit</a> <a href="#">copy</a>

5 Displaying items 1 - 4 of 4

« < 1 > »

Delete

By default, there will be no profiles until you have created one using the Apps wizard on TV or if you have imported one or if you have created a profile

- **[+Create a new profile based on predefined]:**

When you click the upper right button, you can create an empty new profile based on a predefined one.

+ Create new profile based on predefined

Please select predefined profile

\* Profile: Default Apps list EU, ME & AP

Default Apps List xxHFLxx19/xx

Default Apps List No Netflix

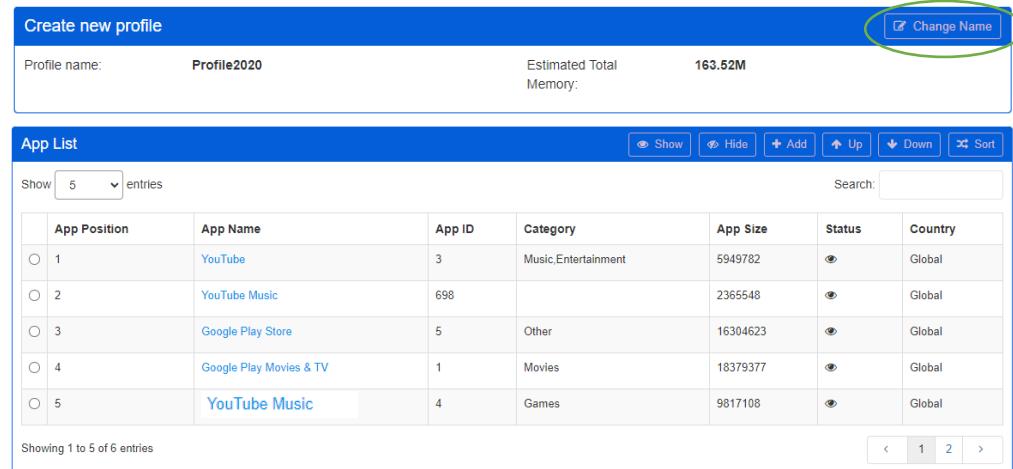
Default Apps list EU, ME & AP

Default Apps list NAFTA (NORTH AMERICA)



# PHILIPS

Once created you will see the details of the profile, the default apps and the available Hotel TV Categories. If required you can change the 'Profile name' using the [Change Name] in the upper right corner



Create new profile

Profile name: Profile2020

Estimated Total Memory: 163.52M

Change Name

App List

App Position	App Name	App ID	Category	App Size	Status	Country
1	YouTube	3	Music, Entertainment	5949782	Visible	Global
2	YouTube Music	698		2365548	Visible	Global
3	Google Play Store	5	Other	16304623	Visible	Global
4	Google Play Movies & TV	1	Movies	18379377	Visible	Global
5	YouTube Music	4	Games	9817108	Visible	Global

Show 5 entries

Search:

1 2 >

- **[+ Import AutoProfiles]:**

As earlier explained you can generate an 'Auto generate AppProfile' in the TV. This is without having an account. If you decide to start using an account you can load an existing 'Auto generate AppProfile' into your account.

As the name of this 'Auto generate AppProfile' is unique, you can load it into your profile and save it

**+ import AutoProfiles**

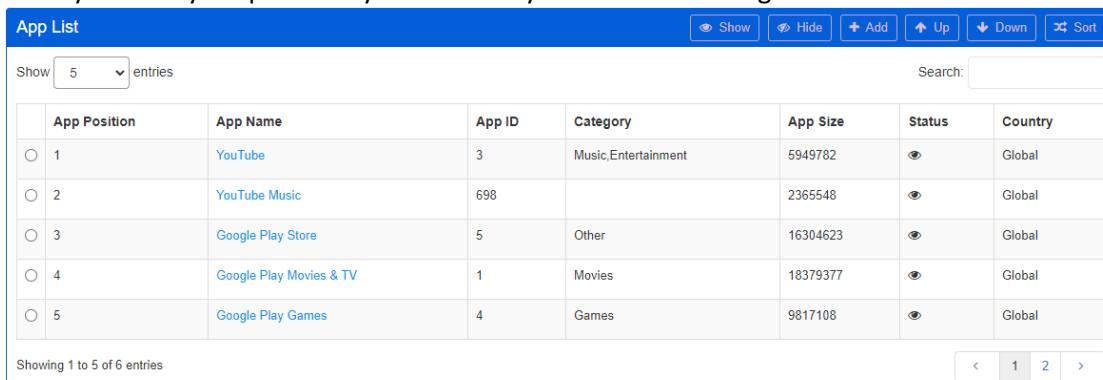
Please select AutoProfile

\* Profile: AutoProfile\_

Cancel

Save

Once you have your profile in your account you can do following:



App List

App Position	App Name	App ID	Category	App Size	Status	Country
1	YouTube	3	Music, Entertainment	5949782	Visible	Global
2	YouTube Music	698		2365548	Visible	Global
3	Google Play Store	5	Other	16304623	Visible	Global
4	Google Play Movies & TV	1	Movies	18379377	Visible	Global
5	Google Play Games	4	Games	9817108	Visible	Global

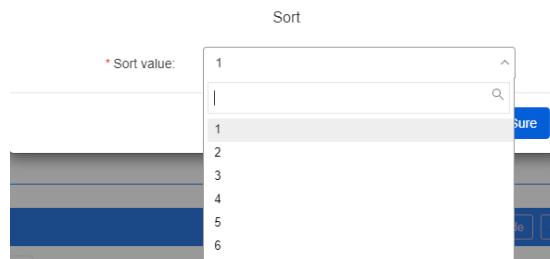
Show 5 entries

Search:

1 2 >

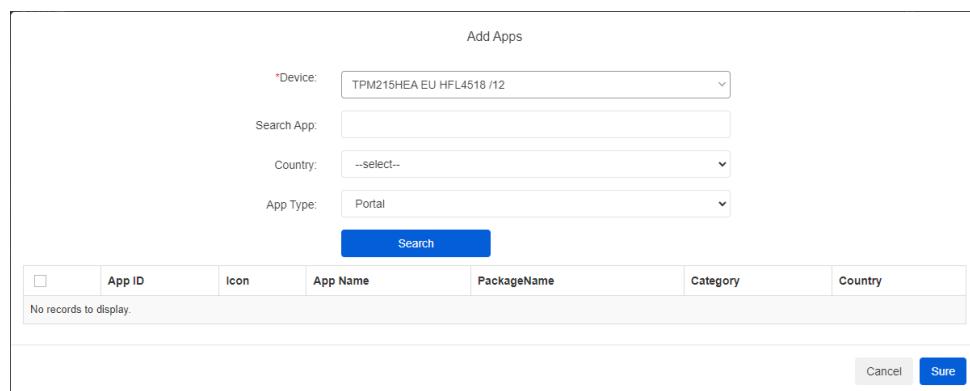
- **[Show]:** When you select an app, you can unhide the app by clicking [Show], you will see the icon changes in the 'Status' column
- **[Hide]:** When you select an app, you can hide the app by clicking [Hide], you will see the icon changes in the 'Status' column
- **[Up]:** When you select an app, you can move it up 1 step up by clicking [Up]
- **[Down]:** When you select an app, you can move it up 1 step down by clicking [Down]
- **[Remove]:** When you select an app, you can remove the app by clicking [Remove]

- **[Sort]:** When you select an app, you can swap it from location with the app position number you can select from the dropdown list



- **[Add]:** You can also add new apps into the profile using a search function. You need to select the correct **[Device]** and **[App Type]**, **[Search]** and **[Country]** can be left blank to see all available apps.

*Note that currently there are no default apps available in the portal*



If you want to install PlayStore apps you need to search for App type = PlayStore



This list will not contain any app by default. This list will only contain apps that you have ever installed in any profile using this app control account.

Once you have installed a Google Play app in a profile with this account you will see the app in the list.

- **Pre-Authorized Apps:** This menu is linked to approvals required. An example is Netflix but this is not supported in this product and hence not required.  
*Note that you might see Netflix there as the same portal is used for other products that do support Netflix*
- **Professional Apps:** This menu allows you to add professional apps you have created yourself. Professional Apps can only be added and managed to your own profile(s) inside this account. It is possible to share this app with other accounts by adding their accounts.  
Professional Apps may be: Custom Dashboard, SmartInfo, Welcome App, EPG App, ...  
*Note that not all professional apps are supported in this product*



## 7.1.4 Add a local app in the TV

Once you have configured your TV you can also add your own local app. This is an app that is locally installed in TV and not part of the app control.

This can be done via CMND where you can upload your local apk to be installed or load directly via USB in the clone. When you use CMND to load the app, CMND will create the json file.

You can afterwards download it to USB to see how json file exactly looks like.

If you want to manually install the local app, the app should be added in the /MasterCloneData/AndroidApps/ folder and you should adapt the AndroidAppsMetaData.json file accordingly.

In the json file you will see that the "packageType": "local". All other parameters will be adapted on your current setup as already available in CMND.

For example:

```
{  
  "packageName": "com.android.myapp",  
  "packageURI": "./myapp.apk",  
  "silentAction": "install",  
  "packageType": "local",  
  "packagePosition": 10,  
  "packageShowHide": "1",  
  "packageCountry": [  
    "ALL"  
  ],  
  "packageCategory": [  
    "Other"  
  ],  
  "authorizationNeeded": 0,  
  "authorizationStatus": 0,  
  "authorizedDeveloper": 0  
}
```

## 7.1.5 Remove or update a local installed app from TV

If you have installed a local apk from TV and you want to remove it again you can do this with below instructions.

- Download your clone file to USB including apps
- Open the .../MasterCloneData/AndroidApps/AndroidAppsMetaData.json file using a text editor
- Search for your local installed apk
  - You should find it in a 'clonePackages' tag with a packageURI containing the apk name
  - One of the settings is "silentAction": "install"
  - You need to change this to "silentAction": "uninstall" or "silentAction": "update"
  - Save the file and upload the clone in TV in order to uninstall the apk again. You can also upload this clone file in CMND and assigned it using CMND to the TV's you want the app to be removed from

```
"clonePackages": [  
  {  
    "packageURI": "./xxx.apk",  
    "silentAction": "uninstall",  
    ...  
  }
```

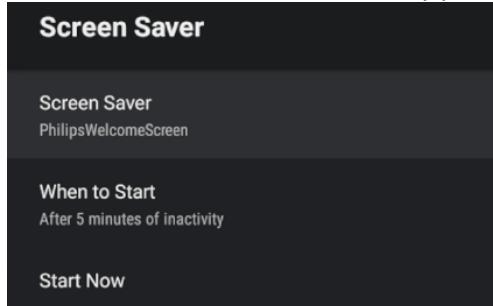
## 7.2 Manage Welcome Screen

You can change the configuration of the welcome screen and set it as screen saver in below menus.

### 7.2.1 ScreenSaver Configuration

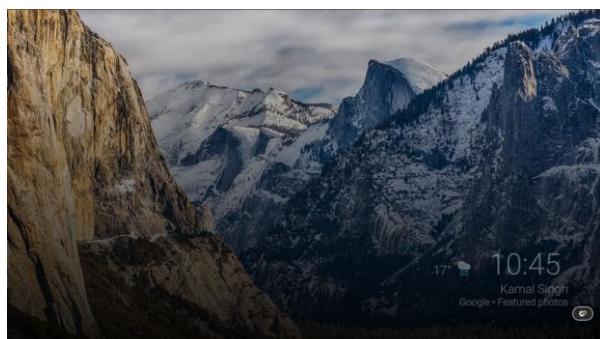
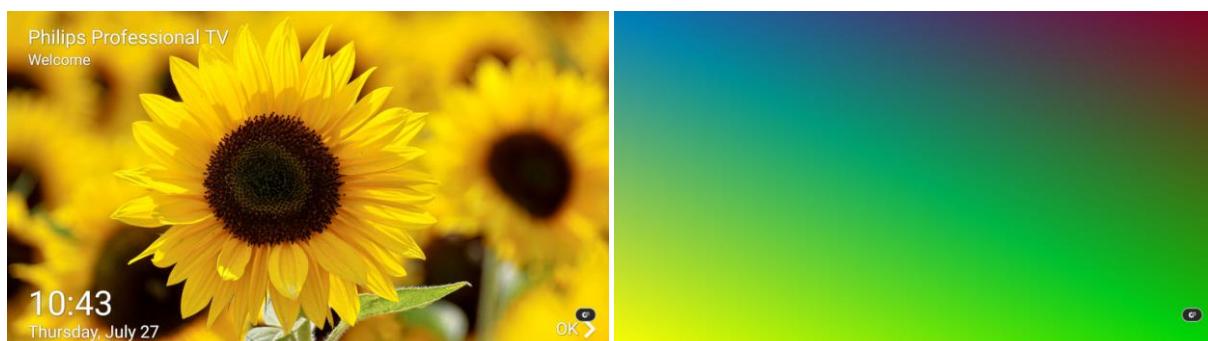
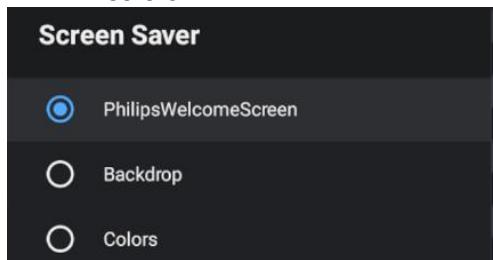
In the **[Professional Settings][Advanced Settings][Features][Welcome Screen][ScreenSaver Configuration]** you can configure the screensaver for TV.

You can activate the screensaver by pressing **[Start now]**.

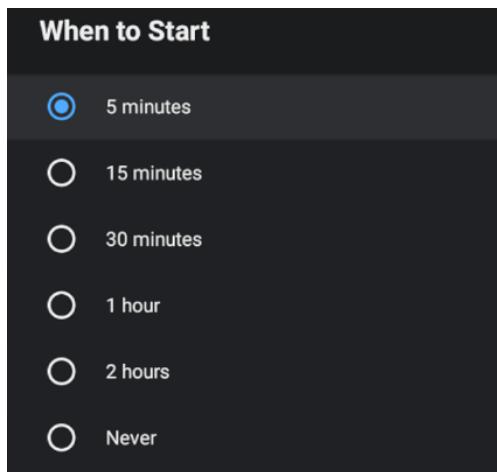


If you open **[Screen Saver]**, there are 3 screensavers available to select from:

- PhilipsWelcomeScreen
- Backdrop
- Colors



If you open **[When to Start]**, you can set the screensaver to start automatically after some fixed durations or disable it by choosing **[Never]**.

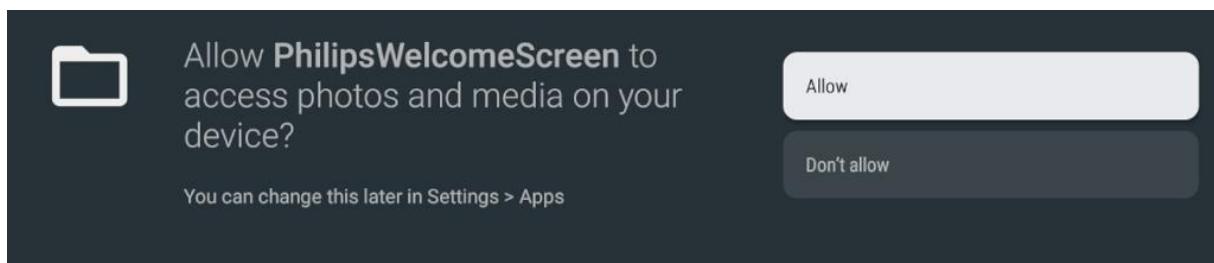


## 7.2.2 Welcome Screen Configuration

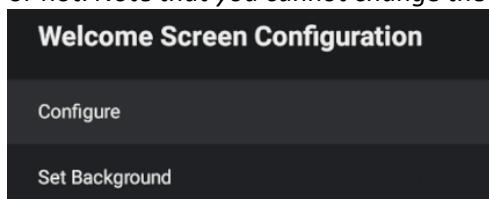
In the [Professional Settings][Advanced Settings][Features][Welcome Screen][Welcome Screen Configuration] you can configure the welcome screen.

The same can also be done through CMND where it's possible to also work with multilingual text for the text messages.

Through the professional settings menu you can create the configuration and change the background images. You will need to [Allow] the TV to access content on your USB key.



In the configuration screens, you can enable or disable all elements of the welcome screen to be shown or not. *Note that you cannot change the position of any parts as the layout is fixed.*

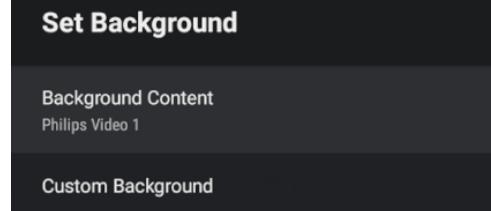




# PHILIPS

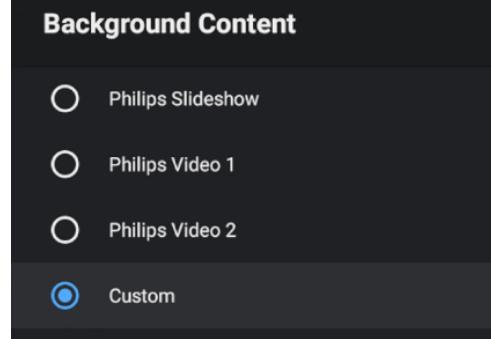
You can also change the background content of the welcome screen.

## Set Background



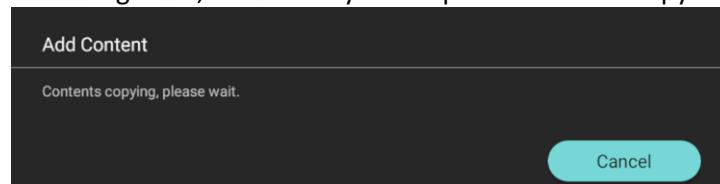
By default, there are two videos and one slideshow available. If you want to use your own content you will need to select **[Custom]**

## Background Content



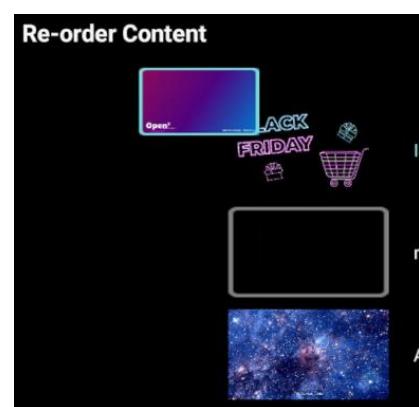
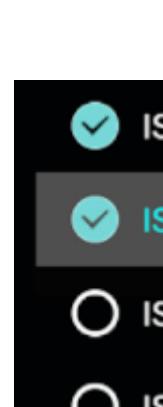
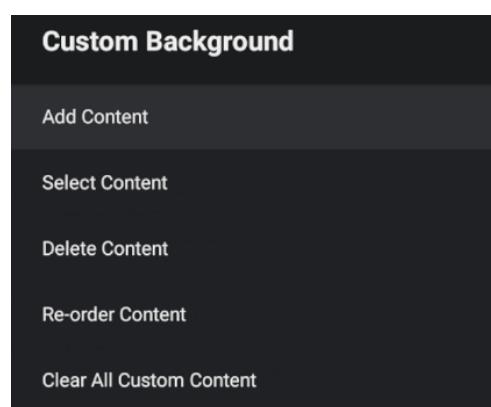
After you have selected **[Custom]** you can change the content according your own preferences via **[Custom Background]**. If the TV can play the content, you will be able to load it in the TV. This can be both pictures and videos. You need to insert a USB key to the TV and by using the **[Add Content]** button you can copy the content from USB into the TV memory.

The TV will show a list of all available files on the USB you can load on TV. You can select one or more files using **“OK”**, once done you can press **“Back”** to copy the files into the internal memory.



The optimal resolution for background pictures is 1920x1080, make sure you use this exact size as the picture will not be resized when uploaded in TV.

Once the files are loaded, you can **[Select Content]** you want to show, you can **[Delete Content]** you don't longer need, you can **[Re-order Content]** or you can **[Clear All Custom Content]** again. You need to use your **“arrow keys”**, **“OK”** and **“Back”** key to navigate in these menus.



In the welcome screen you can also add a text message. By default, this is empty, when it's filled in, the text will appear as shown in the screenshot.



The text can be added using CMND in multiple languages. Following the check-in language, the text will be shown in a different language.

You can also manually modify the text by editing following file that is part of the clone file:

TPM215H\*\*\_CloneData\MasterCloneData\ProfessionalAppsData\org.droidtv.welcome\WelcomeApp.json

You can also send a unique message to a room using 'Unique' as 'MessageType' and show or not show it using 'Show' or 'Don't Show' in the 'ShowUniqueMessage' tag.

```
{
  "Svc": "OfflineServices",
  "SvcVer": "4.0",
  "Cookie": 299,
  "CmdType": "Change",
  "Fun": "WelcomeApp",
  "CommandDetails": {
    "Content": [],
    "Messages": [
      {
        "MessageType": "Standard",
        "Messages": [
          {
            "Language": "eng",
            "MessageTitle": "Welcome ^GuestName^ to ^LocationName^",
            "MessageBody": "Warmly greeted and welcome in ^LocationName^. \nWe wish you a pleasant stay.\n\nDid you know you can cast on this TV using your own device?",
            "MessageSignature": "John Smith, Hotel Manager"
          },
          {
            "Language": "fre",
            "MessageTitle": "Bienvenue ^GuestName^ en ^LocationName^",
            "MessageBody": "Nous vous souhaitons la bienvenue à ^LocationName^. \nNous vous souhaitons un agréable séjour.\n\nSavez-vous que vous pouvez diffuser du contenu sur ce téléviseur à l'aide de votre propre appareil?",
            "MessageSignature": "John Smith, Directeur de l'hôtel"
          }
        ]
      },
      {
        "MessageType": "Unique",
        "Messages": [
          {
            "Language": "eng",
            "MessageTitle": "This is a unique message title",
            "MessageBody": "This is a unique message in the body",
            "MessageSignature": "This is a unique message signature"
          }
        ]
      }
    ],
    "ShowUniqueMessage": "Don't Show"
  },
  "RoomID": "00001"
}
```



## 7.3 Manage MyChoice

To manage MyChoice you have to go to the [Professional Settings][Advanced Settings][Features] [MyChoice] menu.

When you open this menu, you will see the possibility to configure MyChoice.

More information can be found on <http://www.my-choice.tv/>.

### 7.3.1 How does it work

In this manual we will cover only the configuration of MyChoice on the TV, all details about the account and credits are covered in a different manual. Please contact your Philips country sales manager to setup an account and buy the credits.

During the installation of the TV-sets, please collect the following information for each TV: Room number, TV model and serial number. These are required on MyChoice website when rooms are configured. Make sure that all values are correct because the MyChoice website is generating pin codes based on this information. You can gather all these details during the installation or by entering the CSM menu (you can get the needed info in a text file on USB, see chapter 'CSM (Customer Service Menu)') and afterwards enter them in the administration part of the MyChoice website.

The most important step for MyChoice is the clock. If the clock is not defined or the TV doesn't have a valid clock, MyChoice will display the following message: '*MyChoice is not available at the moment*'.

### 7.3.2 How to configure MyChoice

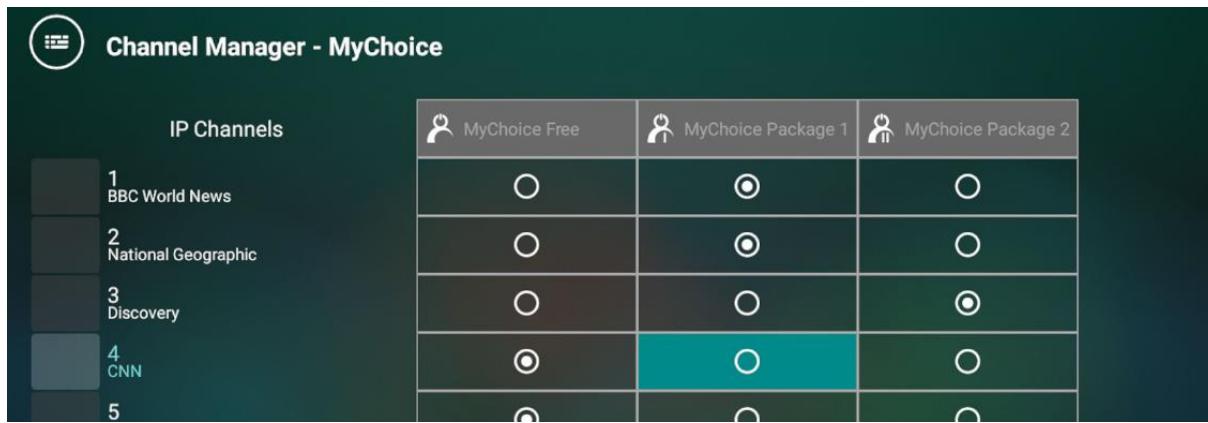
There are multiple different channel maps possible depending on your installation. For example, 'Cable' and 'IP Channels' as in the below example. In each of those lists available you will find the channels that are installed in this list. You can navigate between the available lists using "Left" and "Right" Per list you will need to make the selection according to your preferences.

<	Cable	>	MyChoice Free	MyChoice Package 1	MyChoice Package 2
<	IP Channels	>	MyChoice Free	MyChoice Package 1	MyChoice Package 2

There are 3 packages available: 'MyChoice Free', 'MyChoice Package 1', and 'MyChoice Package 2'. By default, all channels are in the 'MyChoice Free' package.

Channel Manager - MyChoice					
<	IP Channels	>	MyChoice Free	MyChoice Package 1	MyChoice Package 2
1	BBC World News		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	National Geographic		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Discovery		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	CNN		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5			<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

You can navigate in this grid and by selecting an icon in Package 1 or Package 2 and by pressing "OK" you will see that the selection of your choice is highlighted. Doing so for all channels in all channel lists you can put channels in the package you want.



The screenshot shows the Philips Channel Manager - MyChoice interface. On the left, a list of IP Channels is shown: 1 BBC World News, 2 National Geographic, 3 Discovery, 4 CNN, and 5. To the right is a grid for selecting packages. The columns are labeled: MyChoice Free, MyChoice Package 1, and MyChoice Package 2. The rows correspond to the IP channels. The selection status is indicated by radio buttons: for Channel 1, Package 1 is selected (radio button is filled); for Channel 2, Package 1 is selected; for Channel 3, Package 2 is selected; for Channel 4, Package 1 is selected; and for Channel 5, Package 1 is selected.

	Customers who have no PIN	Customers who have PIN for Package 1	Customers who have PIN for Package 2
<i>MyChoice Free</i>	Yes	Yes	Yes
<i>MyChoice Package 1</i>	No	Yes	No
<i>MyChoice Package 2</i>	No	No	Yes

### 7.3.3 MyChoice RC commands

There are a couple of key combinations that can be used in relation to MyChoice. First of all, if you are using MyChoice and you want to debug or get more information about current packages, how many keys are used per package and so on. You can open CSM menu and scroll down until you see MyChoice details.

47.1 Current MyChoice:  
 47.2 MyChoice H1: Pack1 = 0 ; Pack2 = 0  
 47.3 MyChoice H3: Pack1 = 0 ; Pack2 = 0  
 47.4 MyChoice D1: Pack1 = 0 ; Pack2 = 0  
 47.5 MyChoice D3: Pack1 = 0 ; Pack2 = 0  
 47.6 MyChoice D7: Pack1 = 0 ; Pack2 = 0  
 47.7 MyChoice D14: Pack1 = 0 ; Pack2 = 0  
 47.8 MyChoice D21: Pack1 = 0 ; Pack2 = 0  
 47.9 MyChoice D24: Pack1 = 0 ; Pack2 = 0  
 47.10 MyChoice D28: Pack1 = 0 ; Pack2 = 0

If you have a location which has frequent room changes for instance like a hospital. It's possible to disable all currently active MyChoice subscriptions with the following key code **"7 8 9 0 1 2 3"**.

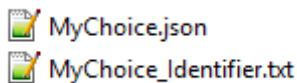
This key combo will close all active packages. Pressing the key combo will also result in the current used PIN code to become invalid. To reactivate the same package on MyChoice a new PIN code will be required.

### 7.3.4 MyChoice remote activation

In an effort to automate the MyChoice activation process, we integrated a couple of new ways to enable MyChoice packages remotely on a TV.

The MyChoice PIN code has become part of the clone file which makes it possible to remotely activate any TV's MyChoice packages by flashing a new clone item.

In the MyChoice folder, you can find back two files. The identifier to check if the .json is newer than the one in the TV and the MyChoice.json. This file contains the commands the TV will interpret to either activate or deactivate MyChoice packages.



The XML is built up like the following in case you want to activate a package.

```
{
  "MyChoice": [
    {
      "Svc": "OfflineServices",
      "SvcVer": "4.0",
      "Cookie": 293,
      "CmdType": "Change",
      "Fun": "MyChoice",
      "CommandDetails": {
        "OfflineServiceParameters": {
          "TVUniqueID": "FZ1A2023000001",           → This represents TV's serial number
          "RoomID": "01015"                         → This represents TV's RoomID
        },
        "MyChoiceParameters": [
          {
            "Action": "StartMyChoice",
            "MyChoicePIN": "345323",
            "StartDate": "25/08/2023",
            "StartTime": "15:00:00",
            "StopDate": "27/08/2023",
            "StopTime": "10:00:00"
          }
        ]
      }
    }
  ]
}
```

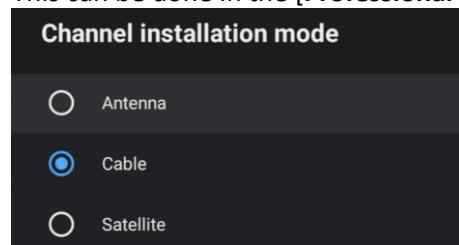
To stop the MyChoice being available the XML will be built up similar to the following.

```
{
  "MyChoice": [
    {
      "Svc": "OfflineServices",
      "SvcVer": "4.0",
      "Cookie": 293,
      "CmdType": "Change",
      "Fun": "MyChoice",
      "CommandDetails": {
        "OfflineServiceParameters": {
          "TVUniqueID": "FZ1A2023000001",
          "RoomID": "01015"
        },
        "MyChoiceParameters": [
          {
            "Action": "StopMyChoice"
          }
        ]
      }
    }
  ]
}
```

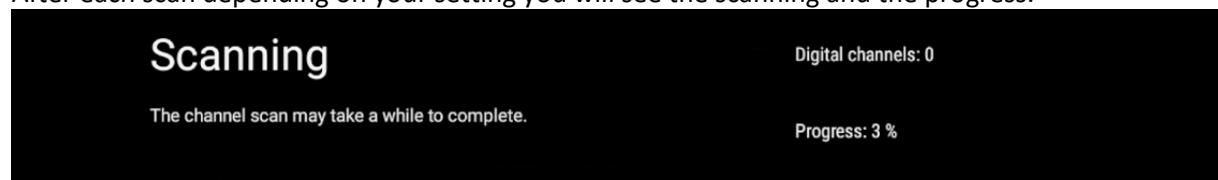
## 7.4 Channel installation wizard

Before starting a channel installation, you need to select your installation mode.

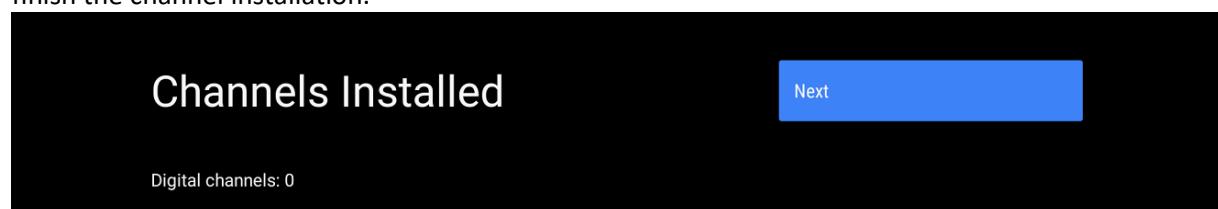
This can be done in the **[Professional Settings] [Channels] [Channel Installation mode]**



After each scan depending on your setting you will see the scanning and the progress.



Once done you will see how many channels of what type have been installed, you can press “OK” to finish the channel installation.

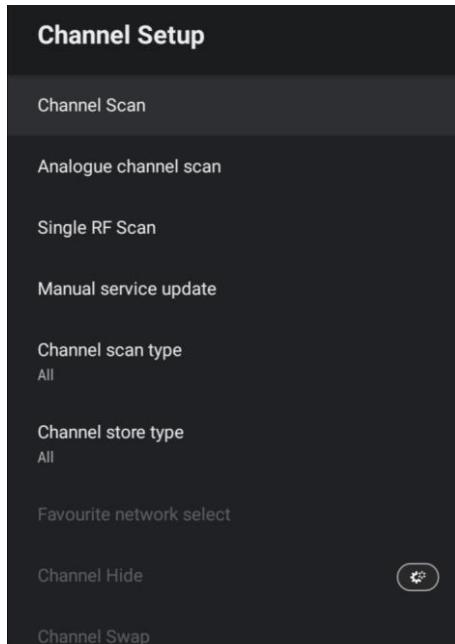




## 7.4.1 Install Antenna channels

After you have selected **[Antenna]**, you can start to install all channels via the **[Professional Settings]** **[Channels]** **[Channel Setup]** **[Channel Scan]**.

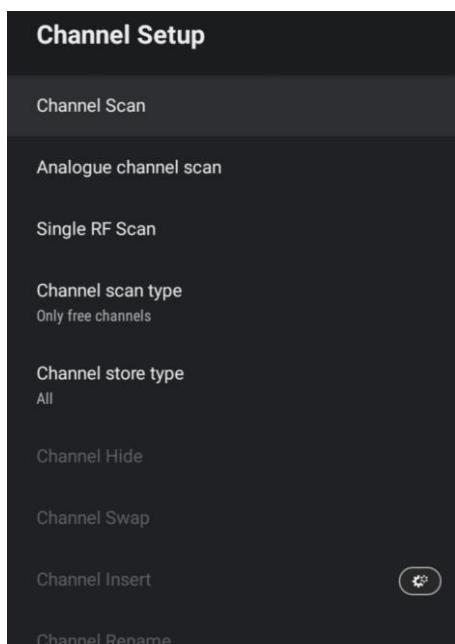
You can still change some settings related to this in the other menu items or do partial scans. You can configure these according to your needs.



## 7.4.2 Install Cable channels

After you have selected **[Cable]**, you can start to install all channels via the **[Professional Settings]** **[Channels]** **[Channel Setup]** **[Channel Scan]**.

You can still change some settings related to this in the other menu items or do partial scans. You can configure these according to your needs.

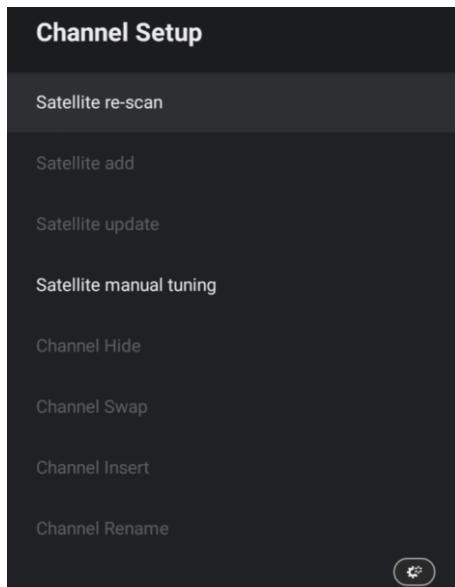




### 7.4.3 Install Satellite channels

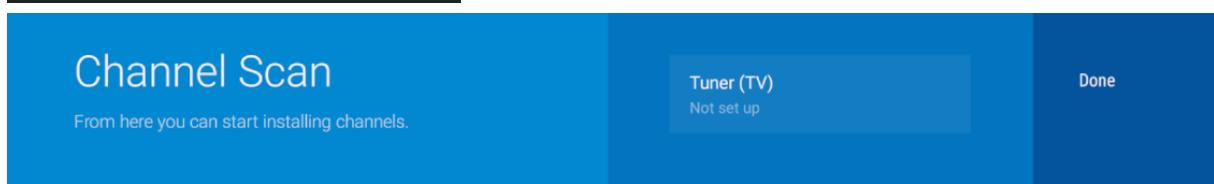
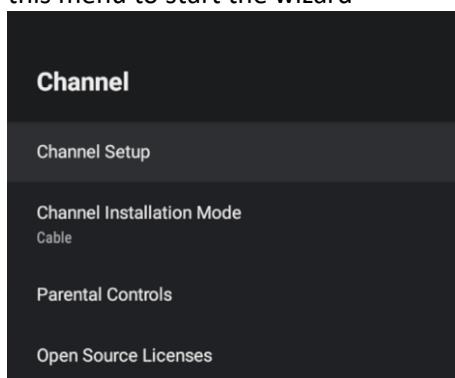
After you have selected [Satellite], you can start to install all channels via the [Professional Settings] [Channels] [Channel Setup] [Channel Scan].

You can still change some settings related to this in the other menu items or do partial scans. You can configure these according to your needs.



### 7.4.4 Install channels in US

To install channels, you have to go to the [Professional Settings] [Channels] [Channel Setup] and open this menu to start the wizard



From here you can start to install channels. First you have to select the input source by pressing “OK”. Choose [Antenna] or [Cable] as input and press “OK” to continue or [Skip] to go back to the previous screen.



# PHILIPS

## Tuner Mode

Select your tuner mode:

Antenna

Cable

Skip

Select [Scan] and press “OK” to start searching for channels.

## Channel Scan

Scan

Abort

First, please connect antenna.

Start channel scan now?

If you skip this step, the channel scan could be performed in menu.

### 7.4.5 Install IP channels

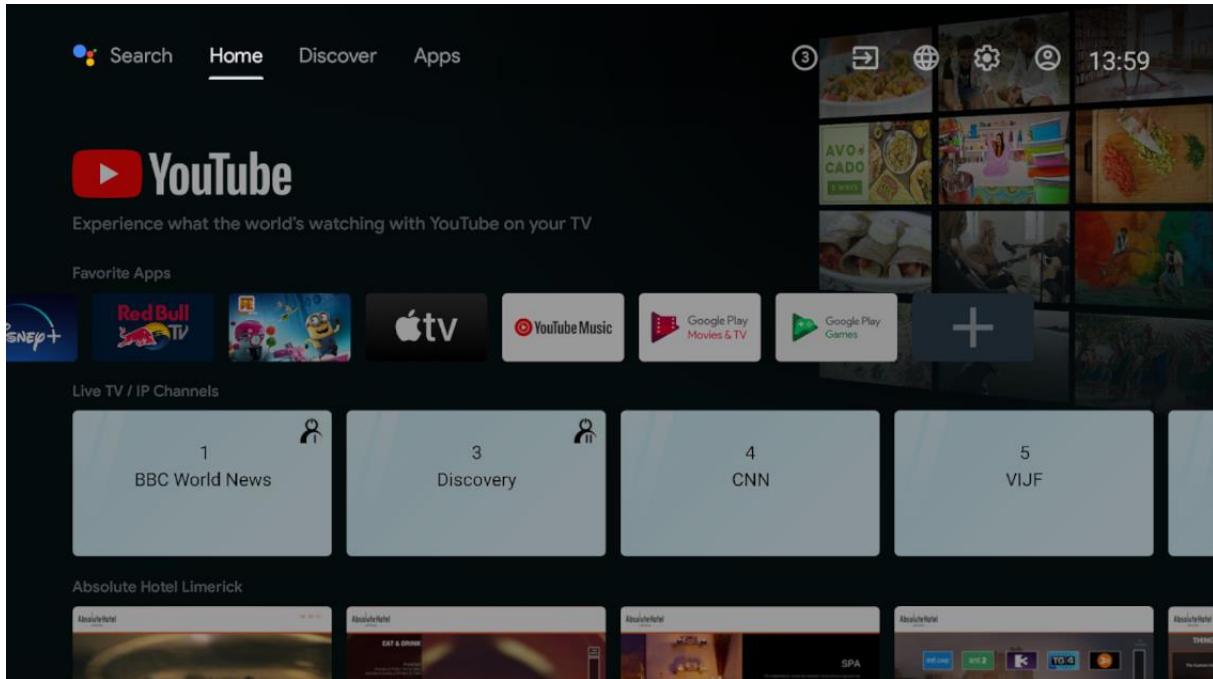
IP channels cannot be searched for. You need to have a list of IP streams you want to install. See chapter ‘IP TV installation’ to know how to install IP Channels.



## 8. Guest Menu

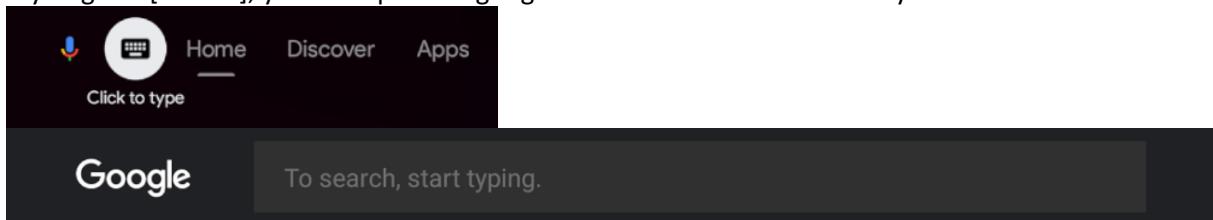
The guest menu is the menu the guest sees when his TV is on. Depending on the settings and installation, you will see the menu as explained in next chapters.

*Note that changes done in the guest menu are not stored and cannot be cloned. They will be reset to the default as set in the Switch On Settings depending on the clear user data setting*



### 8.1 Search

If you go to [Search], you can open the google search assistant functionality



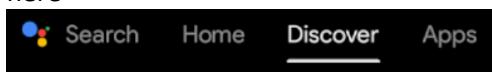
### 8.2 Home

If you go to [Home], the dashboard will be shown, this contains the installed apps, channels, Smartinfo and recommendations by google linked to your installed apps



### 8.3 Discover

If you go to [Discover], using your personal google account you can see personalised recommendations here

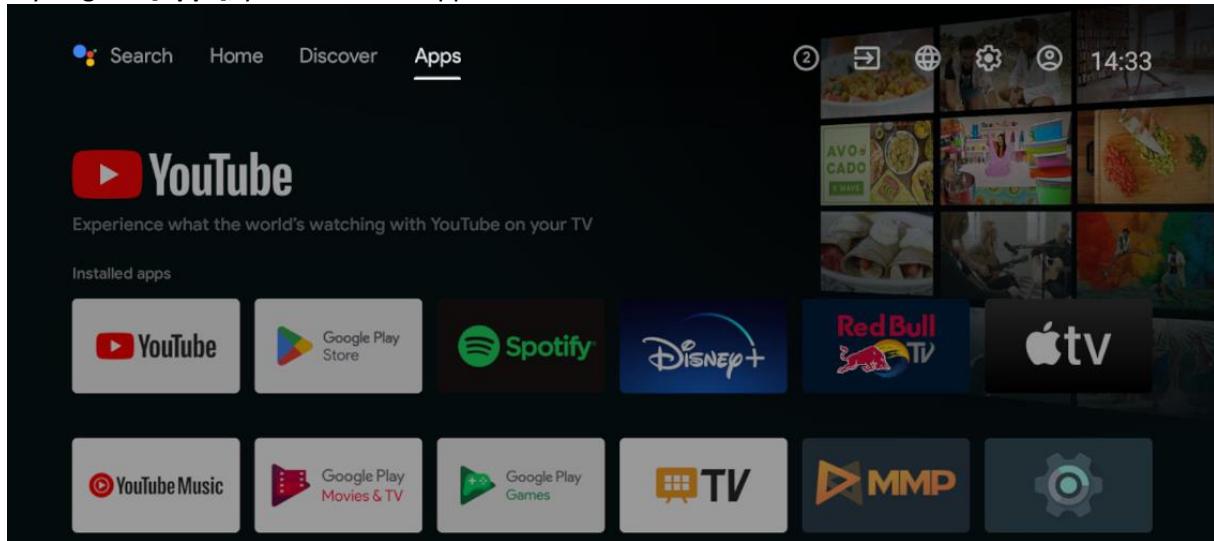




# PHILIPS

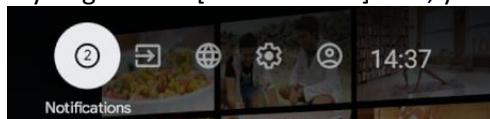
## 8.4 Apps

If you go to [Apps], you can see all apps installed on the TV



## 8.5 Notifications

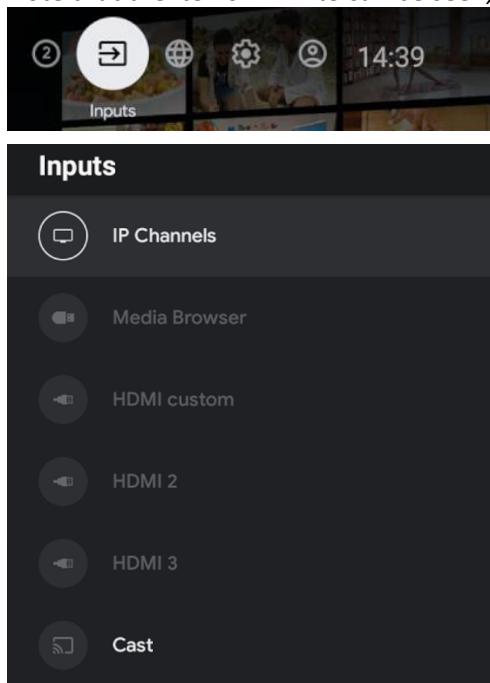
If you go to the [Notifications] icon, you can see the TV's notifications by pressing "OK"



## 8.6 Inputs

If you go to the [Inputs] icon, you can see the source list by pressing "OK"

*Note that the items in white can be seen, the others don't have content playing*





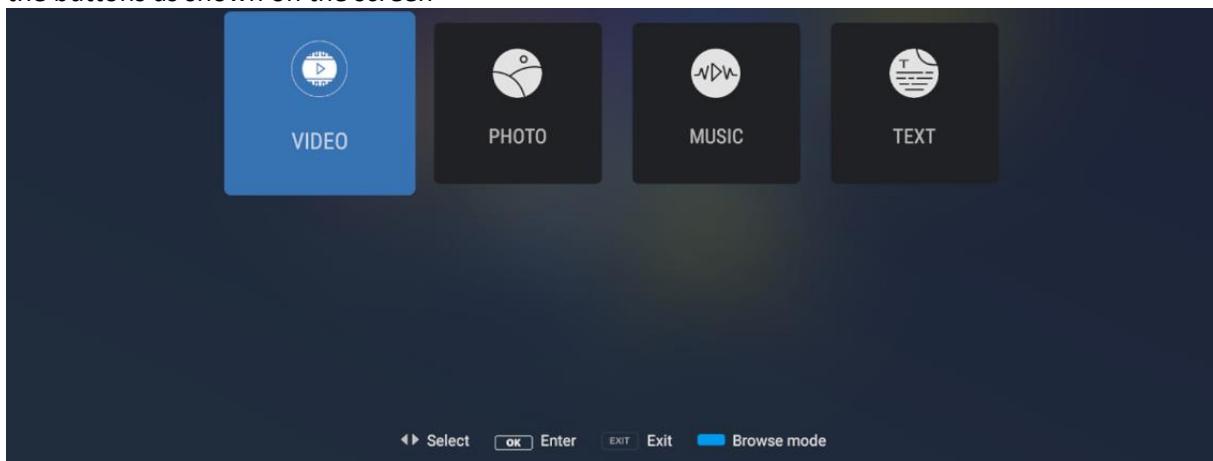
# PHILIPS

## 8.6.1 Media Browser

When a USB memory device is connected to the TV you can browse in the Media Browser  
This application is also available in the apps by default and is called 'MultiMediaPlayer'



Once opened you are able to browse into your content on the USB memory device in the app using the buttons as shown on the screen



## 8.6.2 Cast

In the Cast screen you will have the possibility to cast from external devices to the TV. You can also open this menu using the cast button on your remote control.





### 8.6.2.1 What is Chromecast built-in?

Chromecast built-in is a platform that lets you cast your favorite entertainment from your phone, tablet or laptop right to your TV. You can connect the devices you already know to your TV.

Casting is as simple as pressing a button from your favorite app. Watch your favorites on the TV while switching to another app, listen to your top tunes while taking a phone call or sending a text, all without interrupting what is playing on TV.

For more information on Chromecast please go to: <https://www.google.com/chromecast/built-in/>

### 8.6.2.2 TV implementation

There are several ways of setting up Chromecast built-in. Below you can find a short summary of the different ways Chromecast can be implemented in a professional environment.

- The easiest integration is letting the TV be in charge of the whole process from creating the P2P hotspot and enabling Chromecast playback between TV and connecting devices.
- Second is to use the setting Wi-Fi Login. This will allow you to display the SSID the guest will need to connect to. However, authentication and creation of the VLAN containing the TV and the connected device will be the SI's responsibility.
- Last option is to make use of a gateway. This will replace the TV's own UI with an HTML page that contains an explanation for the guest how to authenticate, connect and set up the Chromecast ecosystem, also this has to be implemented by the SI.

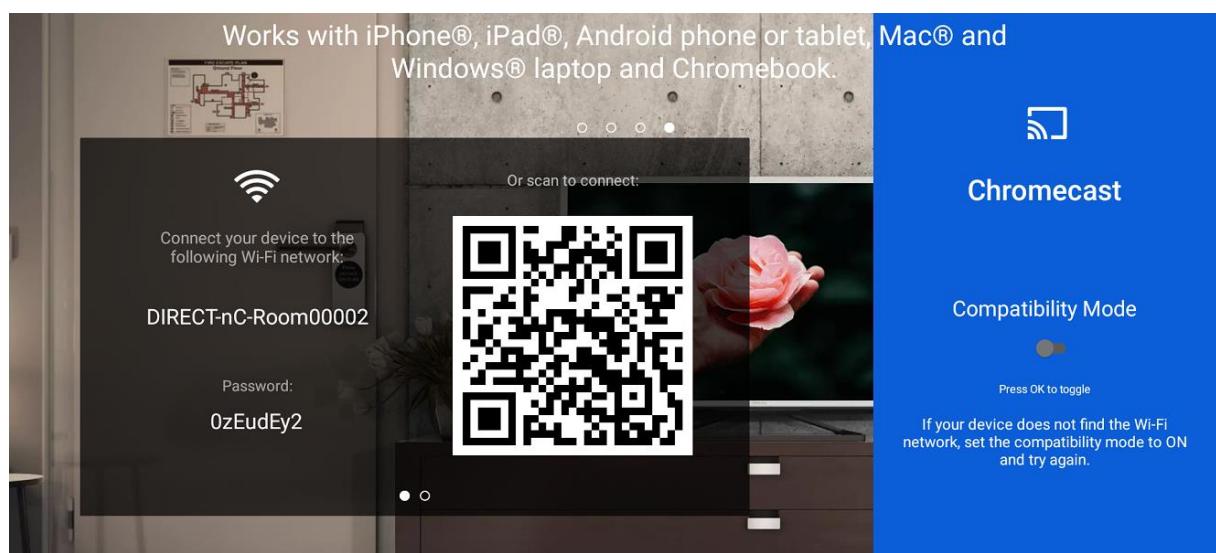
### 8.6.2.3 Chromecast: Full TV control

From Installer point of view this option is the simplest to achieve. In the **[Professional Settings][Advanced Settings][Features][Sharing], [Google Cast]** needs to be enabled.

This setting only enables the feature but the feature cannot function without setting up the way to authenticate or to set up the P2P environment. Therefore, the second setting that is needed is **[Secure Sharing]** that needs to be enabled.

Once this is set the guest will already be able to connect to the TV and use casting to share his apps or screen with the TV.

From a guest perspective, below screen will show on TV after pressing the cast button on the remote or by opening the cast application on the dashboard.





This screen shows the instructions to be followed by the guest to initiate the casting process. In case the connecting device doesn't support the 5 GHz band it will be necessary to enable compatibility mode with the slider seen on the right of the screen. This will switch the P2P AP from 5 GHz to 2,4Ghz.

*Note that compatibility mode can only be changed if [Professional Settings][Advanced][Switch on Settings][Hotspot Default Frequency] is set to [5 GHz] and TV is connected to a wired network*

As seen on the picture the TV will ask the guest to connect to the P2P access point that it created for the purpose of casting.

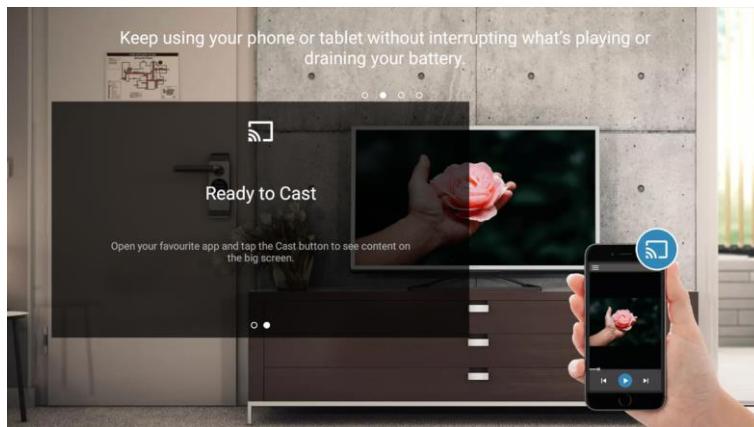
This can either be done manually by the guest by changing the Wi-Fi network on his device to the mentioned SSID and give in the mentioned password.

Or this can be done automatically (on most phones) by using a QR scanner and scanning the QR code onscreen. This will give an instruction to the device to connect to the mentioned network.

After connecting, the guest will see a successful message onscreen.

**Congratulations! You are connected to the TV.**

Followed by the instruction to open the application supporting the cast protocol and starting playback.



#### 8.6.2.4 Chromecast: Installer backend solution

The second option to configure Chromecast is to disable **[Secure Sharing]**. In this case the TV will be used to display instructions and the installer will be responsible for creating the network topology fit for Chromecast.

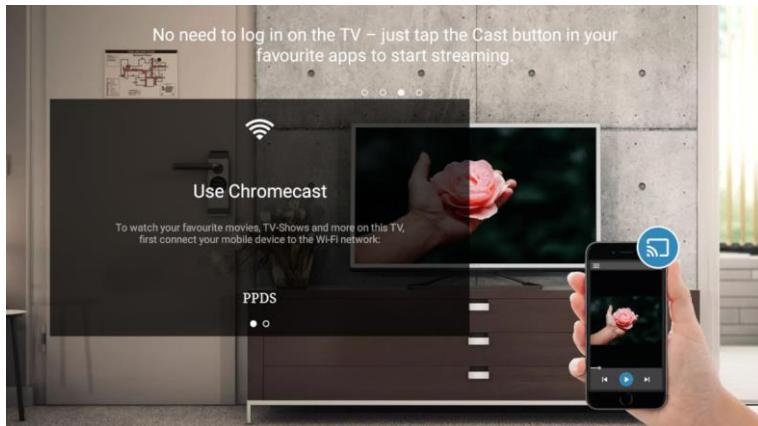
There are two options for configuration under **[Professional Settings][Advanced Settings][Features][Sharing][Secure Sharing OFF Settings][Google Cast]**.

**[Wi-Fi Login]** is partially reusing the TV's casting interface to display the information on the SSID that the guest will need to connect to.

Upon connecting to the network, the guest will receive a captive portal page containing the request to enter his last name and room number. Once the guest logs into this page the installer can use this information to create a VLAN or define another method to link the device from the guest in the same network as the TV in his/her room.



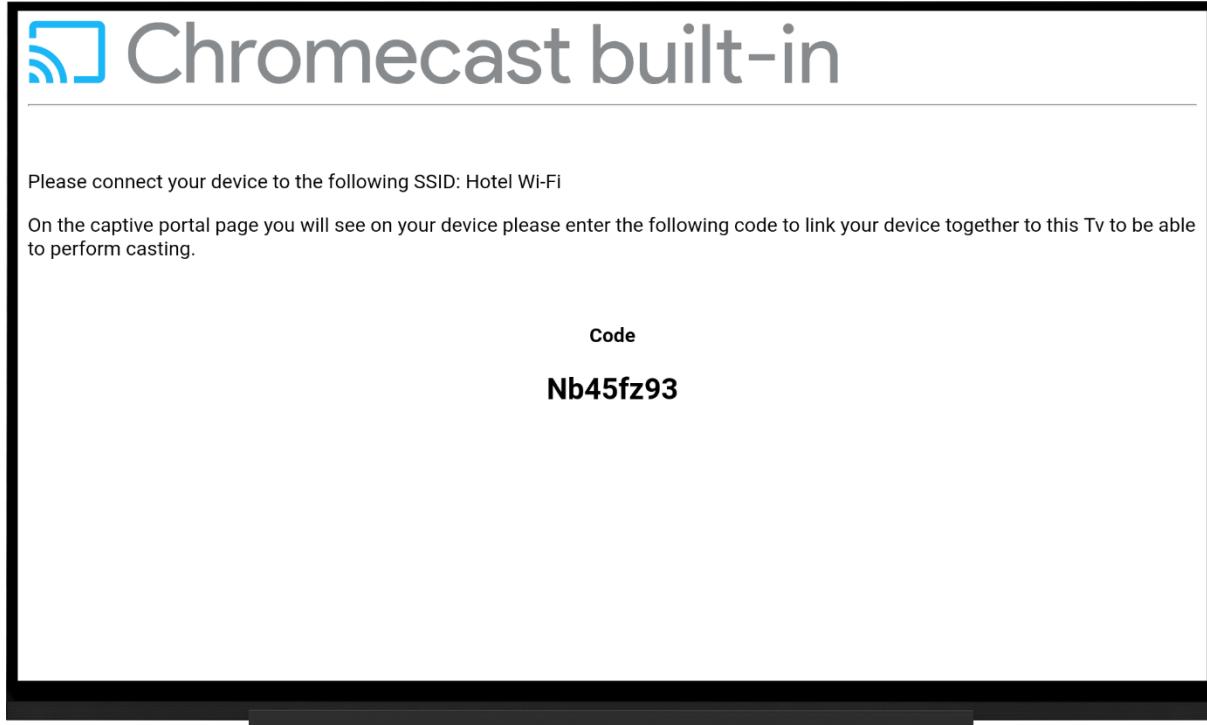
PHILIPS



In the above example, the SSID that the guest needs to connect to is called 'PPDS'. Once connected the client device will be able to see the TV and casting can be initiated.

The other option is to perform the casting completely yourself. When the **[Secure Sharing OFF Settings][Google Cast]** is set to **[Gateway]**, the TV will display an HTML page upon pressing the cast button.

*Below is an example of how this could look like:*



On this website the installer can implement his own solution on how to connect the TV and the client device together so they are able to communicate directly. The page can be used as an instruction or as the actual method of connecting client device to the TV.

These two implementations require installer interaction and will require the installer to consider privacy issues as misconfiguration of the backend can lead to devices ending up in the same network and being able to see if someone is casting or even take over the TV.

#### 8.6.2.5 Dependencies

For the full Chromecast experience there are a couple of dependencies. Please check that below is configured to enjoy the full Chromecast experience.

1. Chromecast is set up by Google to only be available when it has access to the Internet. So, it is required to connect your TV to the internet to be able to use Chromecast
2. It is necessary to install the latest Google Libraries for best experience. The libraries will be automatically updated when the TV goes to standby and there is an active internet connection.

#### 8.6.2.6 Impact

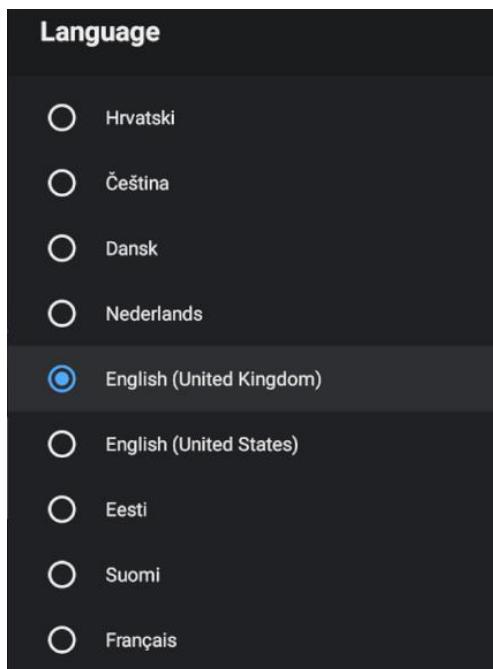
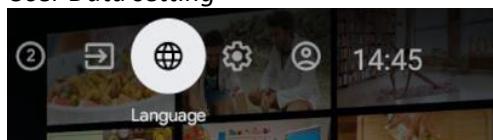
The way casting works will have an impact on the premise's infrastructure. When content is pushed to the TV from an app supporting the casting button, the network traffic generated by the request will go through the network to which the TVs are connected.

Depending on the apps installed on the TV this will generate a different amount of traffic. Short local news clips generated by an app will generate a lot less traffic than when YouTube is enabled. Keep this in mind when you are installing these sets on a location.

### 8.7 Language

If you go to the [Language] icon, you can see the languages list by pressing “OK”, you can select another language and press “OK” to see the menu in a different language.

*Note that the language will be reset to the default set in the Switch On Settings depending on the Clear User Data setting*

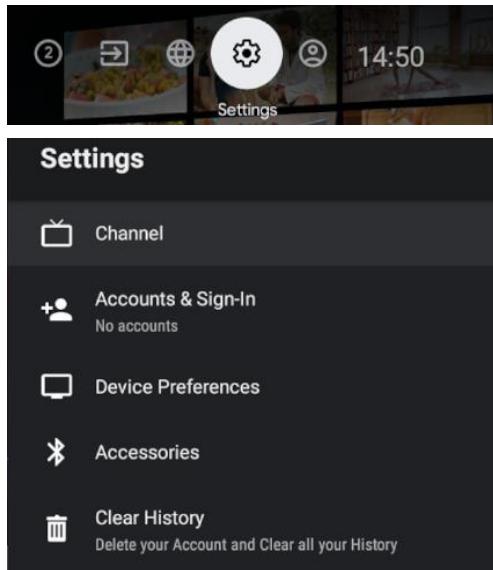


### 8.8 Settings

If you go to the [Settings] icon, you can see the guest setting by pressing “OK”

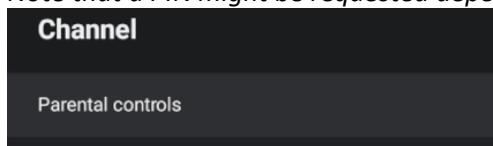


**PHILIPS**



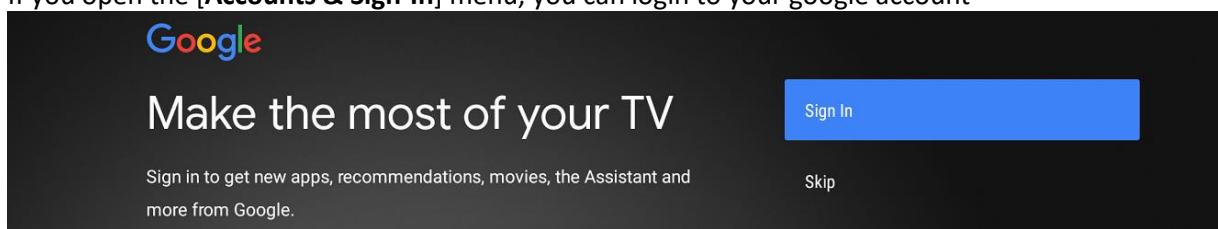
### 8.8.1 Channel

If you open the [Channel] menu, you can change the [Parental controls] according to your preferences  
*Note that a PIN might be requested depending on the professional settings*



### 8.8.2 Accounts & Sign-In

If you open the [Accounts & Sign-In] menu, you can login to your google account

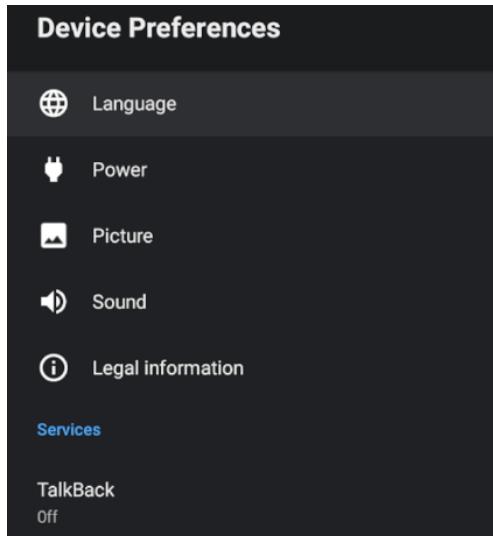


### 8.8.3 Device Preferences

If you open the [Device Preferences] menu, you change multiple settings

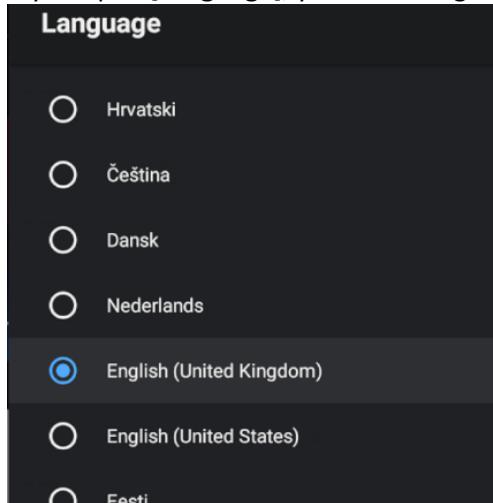


**PHILIPS**



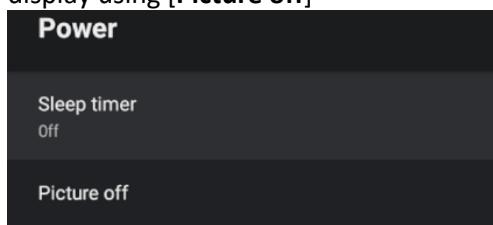
#### **8.8.3.1 Language**

If you open [Language], you can change the language of the menu



#### **8.8.3.2 Power**

If you open [Power], you can set the [Sleep timer] to [Off], [10 minutes], [20 minutes], [30 minutes], [40 minutes], [50 minutes], [60 minutes], [90 minutes] or [120 minutes] and you can turn off the display using [Picture off]

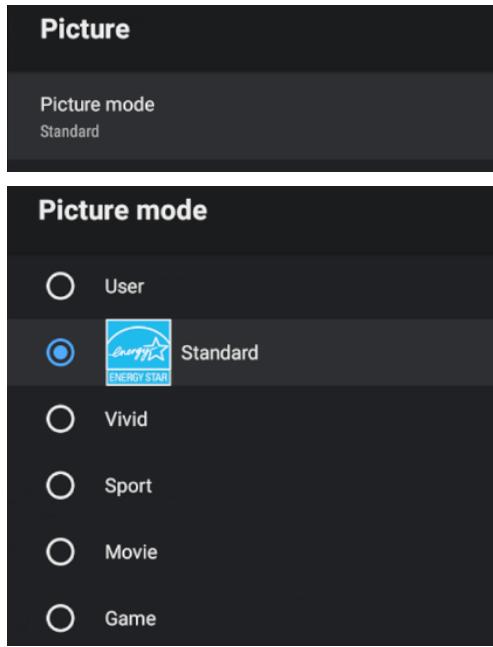


#### **8.8.3.3 Picture**

If you open [Picture], you can set Change the [Picture mode] to [User], [Standard], [Vivid], [Sport], [Movie] or [Game]

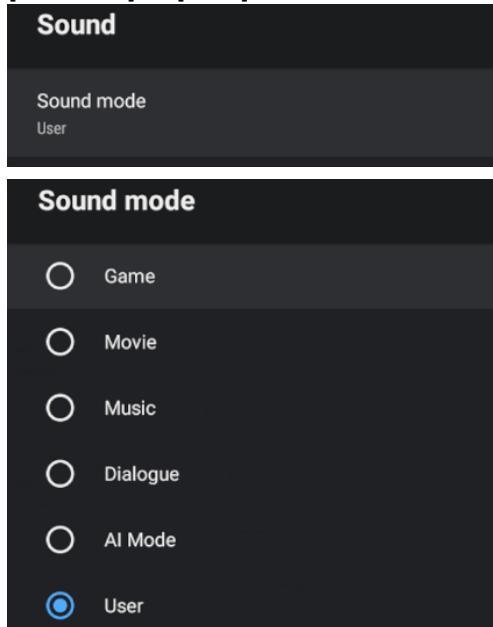


**PHILIPS**



#### **8.8.3.4 Sound**

If you open [Sound], you can set Change the [Sound mode] to [Game], [Movie], [Music], [Dialogue], [All Mode] or [User]



#### **8.8.3.5 Legal information**

If you open [Legal information], you can read the legal information that is required to be available to read



**PHILIPS**

## Legal information

Open-source licences

Google legal

System WebView licences

Ads

Term of use

Privacy setting

### 8.8.3.6 TalkBack

You can enable or disable TalkBack following your preference.

Talkback is an accessibility service that helps vision-impaired users to interact with the TV. It uses spoken word and other audible feedback to let you know what's on your screen.

#### TalkBack

Enable



### 8.8.4 Accessories

If you open the [Accessories] menu, the TV will start scanning for Bluetooth devices that can be connected to the TV. Use "Back" to stop searching and go back to the previous menu.

If a Bluetooth device is connected via the guest menu it will be removed again when data is cleared.



Searching for accessories...

Before pairing your Bluetooth devices, make sure that they're in pairing mode

### 8.8.5 Clear History

If you open the [Clear History] menu, you will be able to delete your account and clear all your history

#### Clear History

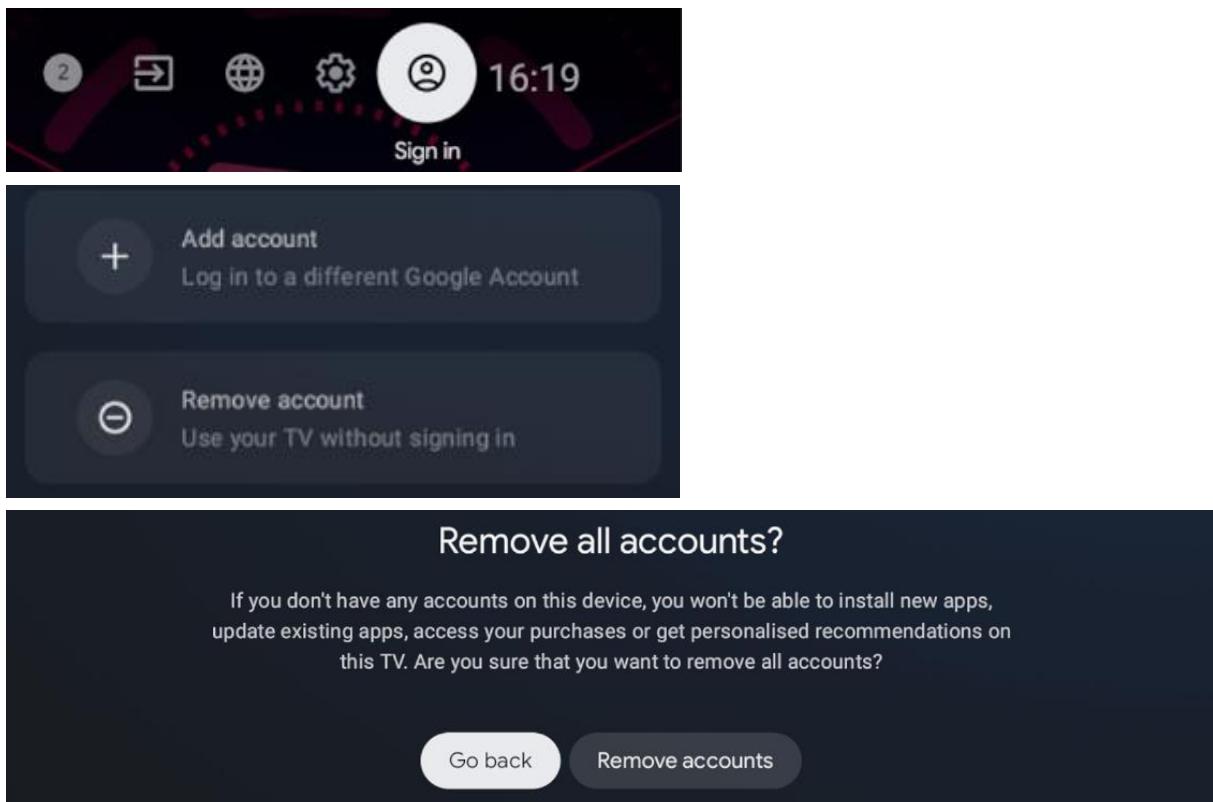
Delete your Account and Clear all your History

Cancel

Continue

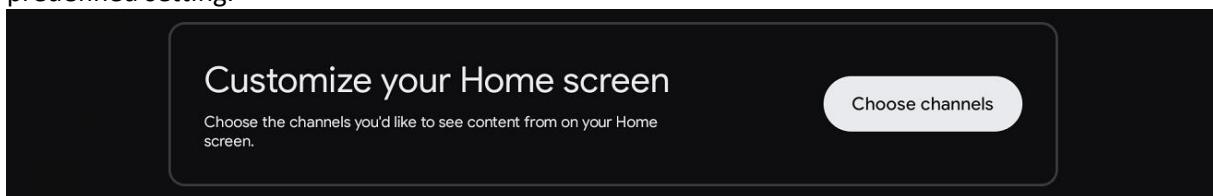
## 8.9 Sign in

If you go to the [Sign in] icon, you can Sign in into your google account. Once you are logged in and you again go to the icon you will be able to [Add account] or [Remove account]

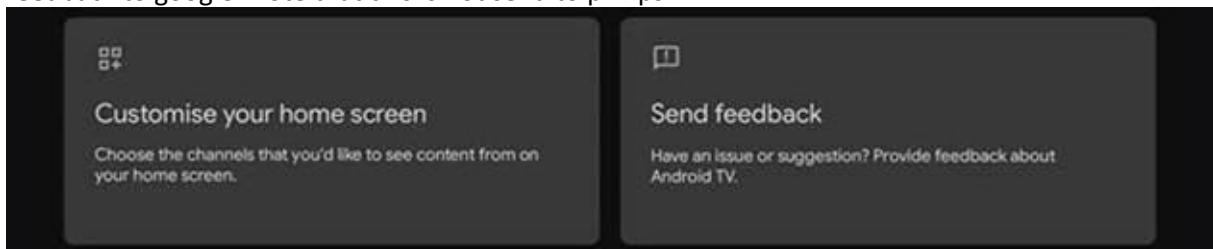


## 8.10 Customise your home screen in

A guest can customize the Home screen, all those changed are not stored and cannot be set using a predefined setting.



Depending on google you might see this in a different style and you could see an item to send your feedback to google. Note that this is not send to philips.



## 9. PMS (Property Management System)

PMS stands for Property Management System and is a name used for any software suite that a hotel can use to control their premise. Mostly this has to do with their day to day business like checking In/Out people, having the bill information available, managing room service, managing maid service and so on. A small part of this information can actually be reused and provided to our TV's with the purpose of creating a richer customer experience.

The full extent of what PMS can do and how it's need to be setup from end to end can be found in the CMND manual "CMND & Check-In" which can be found at <http://www.cmnd.io>.

To search for a PMS integration partner and to look for compatible systems you can go to <http://pms.cmnd.pro>.

### 9.1 TV configuration

For CMND&Check-In to work the TV's need to contain a Room ID as all communication between the PMS system of the hotel, the interface between PMS and CMND, CMND and the TV's is based on the Room ID. If you have identical Room ID's the TV's will share the PMS information. So, if a guest is checked in they will see their name on both TV's. When reading messages, the status will be synced between the two TV's as well.

To enable PMS integration on the TV side you need to enable **[Professional menu][Advanced Settings][Guest Management][PMS][Default Dashboard PMS]** and **[Professional menu][ Wireless and Networks][Control TV over IP][PMSService]**

### 9.2 Clearing personal data

When CMND&Check-In is enabled on a TV the user data behavior can also be changed to accommodate for this. Meaning that instead of the personal information being cleared every time the TV goes to standby or switches on you can now clear the user data based on check-in/checkout.

This can be changed in **[Professional menu][Advanced Settings][Guest Management][Clear User Data]**. When setting this to **[CheckIn and CheckOut]** the guest will keep the settings in TV until the duration of her/his stay (until checkout is done).

### 9.3 Greeting guest

The first one might be small but it can address the guest entering the room personally. You can add the name of the person checking in into the Welcome Screen.



### 9.4 Additional options

There are some other features which are server based and don't need any configuration from TV side to work:

- Guest language change
- Auto Wake-Up TV on check-in
- Auto Power down on checkout



## 10.SmartInfo

SmartInfo can be set as Switch On Feature. This means that the TV will start up on the SmartInfo you have created and loaded in TV. SmartInfo can also be opened using the “info” button on the RC.

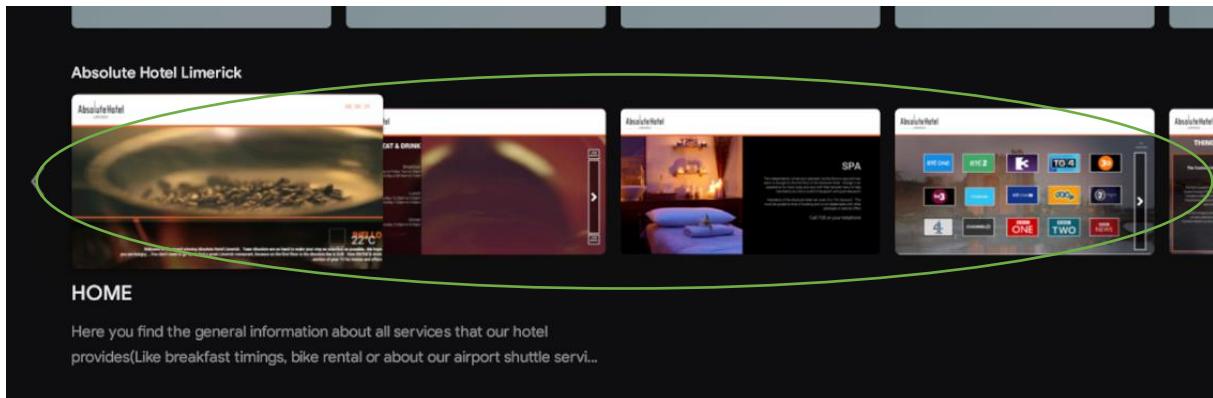
*Note that this type of TV does not support JAPIT commands to extract data from the TV nor control the TV. This means that the SmartInfo page must only contain basic web elements like images, text, videos. No channel bar, picture in picture, buttons to launch apps or go to and extensions or channels.*

When [Professional Settings][Advanced Settings][Features][SmartInfo][Mode] is set to [Browser] the TV will run an HTML5 capable browser to render your created SmartInfo Pages.

These pages can be used to display information about the installed location. For example, you can display the restaurant's menu, give the guest an overview of the installed channels on the TV, explain the hotels' services and so on.

The easiest way to create SmartInfo pages is through CMND. It can also be done with any HTML5 compliant design tool.

You can adapt the tiles using CMND or manually by editing the SmartInfoBrowserMetaData.xml file from the SmartInfo files and the related files.



To use the SmartInfo Pages, the content needs to be stored in the clone file in the following location:  
...\\MasterCloneData\\SmartInfoBrowser\\

The SmartInfo Pages can be hosted on 3 different locations:

- **USB:** The first option is to store your SmartInfo Pages on a USB drive connected to the TV. This scenario is more likely to be used in a central location like the reception where they need to change content on a regular basis.

Due to possible theft of the USB drives when connected in guest rooms we wouldn't recommend this option for a complete installation.

- **Local:** Second option is to store the content locally on the TV's flash memory. This is the preferred option and this can easily be changed using CMND.

*Note that you should always check the maximum file size to keep some free space in the TV's memory after configuring the complete TV*

- **Server:** The third option would be to use a server setup. This will allow you to host one page for all the TV'S on the premise.

This option is can be of interest for ease of maintenance, it just requires to change the server page to deploy a new version of the page towards all the devices.

One thing to keep in mind in this scenario is the network. Make sure it can cope with the traffic. In case there is a loss of network for any reason whatsoever then the TV will not be able to display the SmartInfo page anymore.

## 11. IP TV installation

### 11.1 Setup

There are some limitations for the multicast stream that can be tuned:

- TS stream needs to be compatible with DVB standard
- Maximum bit rate 18Mbps
- Encapsulation of 7TS packets per IP frame. Preferably, each UDP packet must contain exactly 7 data chunks otherwise the packet is not parsed and it will get lost
- Multicast addresses need to be within following range: from 224.0.0.0 to 239.255.255.255
- Duplex mode on the switches can be set to full duplex but automatic is recommended, as older products do not support full-duplex mode. When the duplex mode is set to automatic, the mode is determined after negotiation between the TV and switch

### 11.2 Settings for installing IPTV

To set up an IPTV installation you need to go through the virgin installation as described in the chapter 'Virgin installation – IIC'.

After this it's recommended to apply following settings as described in the chapter 'Professional settings':

- **[Advanced Settings][Date and Time][Source] → [Use Network-Provided Time]**
- **[Advanced Settings][Advanced][Professional Mode] → should be enabled**
- **[Advanced Settings][Advanced][Power][Standby Mode] → [Fast]**  
Setting up this option on Green will reduce the energy consumption in standby, but will increase the startup time
- **[Advanced Settings][Channel][Channel Settings][IGMP Version for Multicast Channels]**  
By default, IGMP version 2 will be used. When the switches are configured to a different IGMP version, it is recommended to set the correct version in this menu, as this will improve the zap time
- **[Advanced Settings][Wireless and Networks][Control TV Over IP][WebServices]**  
*Note that below settings are to be able to control the TV's using CMND*
  - **[Server URL]:** Set the URL correct to get the TV's detected in CMND
  - **[TVDiscoveryService] → should be enabled**  
This is the web service through which a web server will detect the presence of TVs in the IP network using the TV serial number or production code (and other data). This is achieved by the TV polling the web service server periodically. For the server to identify the TV uniquely, the TV details or parameters are being passed to the server
  - **[ProfessionalSettingsService] → should be enabled**  
This allows changing or requesting the current professional settings parameters. It is similar to WlxP's professional settings control, except that mechanism used here is web services, instead of WlxP
  - **[PMSService] → should be enabled**

### 11.3 Installing IP Channels

Open the ChannelList.xml file as described in the chapter ‘ChannelList.xml in the clone file’.

For each IP channel in your network, an xml element needs to be inserted within the <ChannelMap></ChannelMap> brackets with the following format: (The **green** elements are the ones that need editing)

```
<Channel>
  <Multicast url="[cast mode]://[ipaddress]:[port]/0/0/0/VBR"></Multicast>
  <Setup presetnumber="[number]" name="[channel name]" blank="0" skip="0" FreePKG="0" PayPKG1="0" PayPKG2="0" logo="" TTV1="0" TTV2="0" TTV3="0" TTV4="0" TTV5="0" TTV6="0" TTV7="0" TTV8="0" TTV9="0" TTV10="0"></Setup>
</Channel>
```

The fields to be filled in are:

- **[cast mode]**: used mode to receive the stream, the possible modes are: “multicast”, “unicast”.
- **[ipaddress]**: A standard IPv4 address
- **[port]**: The port number in decimal form  
*For example: url="multicast://239.232.209.122:50000/0/0/0/VBR"*
- **[number]**: The channel number in decimal form, make sure you don't have duplicate channel numbers  
*For example: presetnumber="1"*
- **[channel name]**: The channel name as a string in text form  
*For example: name="BBC"*

As an end result you have for example:

```
<Channel>
  <Multicast url="multicast://239.232.209.112:50000/0/0/0/VBR"></Multicast>
  <Setup presetnumber="1" name="BBC" blank="0" skip="0" FreePKG="0" PayPKG1="0" PayPKG2="0" logo="file://default/3727.png" TTV1="0" TTV2="0" TTV3="0" TTV4="0" TTV5="0" TTV6="0" TTV7="0" TTV8="0" TTV9="0" TTV10="0"></Setup>></Setup>
</Channel>
```

After you have made your channel list, you have to clone USB to TV again.

*Note that this also be done using CMND channel editor.*

### 11.4 IP over RF cable using DOCSIS

The DOCSIS Cable Modem is the perfect choice for delivering high-speed Internet access to the TV without any major renovation. By reusing the existing RF Cable infrastructure to distribute IP network signals to the TV, the installation is quick, straight-forward and does not force you to shut down a part of your operations for a longer period. In combination with our Professional TV series, you instantly upgrade the room to the highest level of digital interaction.

For more details you can contact your Philips country sales manager and ask for more details about this DOCSIS 22AV1970A/12 model.

## 12. Make TV visible in CMND

This chapter describes the TV settings to connect to a CMND server over IP. For the CMND settings please refer to the CMND manual on <http://www.cmnd.io>.

### 12.1 Change the TV settings

The TV can connect to the CMND server via IP by setting the correct Server URL. This URL can be set on the TV by going to the Professional Settings and navigating to **[Advanced Settings][Wireless and Networks][Control TV over IP][Server URL]**.

To connect the TV to CMND this URL must be set to the IP address of the CMND server. For example, when the IP address of the CMND server is “192.168.1.50”, the resulting Server URL will be “<http://192.168.1.50:8080/SmartInstall/webservices.jsp>”.

Once this Server URL is correct and below recommended settings are used, the TV will appear in CMND.

Recommended Professional Settings:

- **[Upgrade and Clone][Auto Upgrade Settings][Auto Upgrade and Clone]** → should be enabled
- **[Advanced Settings][Advanced][Professional Mode]** → should be enabled
- **[Advanced Settings][Advanced][Power][Standby Mode]** → **[Fast]**
- **[Advanced Settings][Wireless and Networks][Control TV Over IP]** → All items in **[WebServices]** and **[WebListeningServices]** should be enabled

### 12.2 Use a DNS server

It is not mandatory to change the default Server URL as mentioned above. As the default Server URL is “<http://SmartInstall.org:8080/webservices.jsp>” it is possible to redirect the TV to “<http://192.168.1.50:8080/webservices.jsp>” by resolving the “SmartInstall.org” domain to the CMND IP address via a local DNS server, when one is available.

### 12.3 URL fall-back mechanism

The URL fallback mechanism is a mechanism to find the CMND server, which is triggered when the TV is unable to receive a valid CMND response when it is using the URL of **[Server URL]**. When triggered, the TV will try to find the CMND server by using the first 10 and last 10 IP addresses of the TV range.

For example, when the TV has the following IP configuration:

- IPv4 address: 192.168.103.115
- Subnet mask: 255.255.255.0
- Default gateway: 192.168.103.1
- The resulting fallback URLs will be:

First 10	Last 10
<a href="http://192.168.103.1:8080/webservices.jsp">http://192.168.103.1:8080/webservices.jsp</a>	<a href="http://192.168.103.245:8080/webservices.jsp">http://192.168.103.245:8080/webservices.jsp</a>
<a href="http://192.168.103.2:8080/webservices.jsp">http://192.168.103.2:8080/webservices.jsp</a>	<a href="http://192.168.103.246:8080/webservices.jsp">http://192.168.103.246:8080/webservices.jsp</a>
<a href="http://192.168.103.3:8080/webservices.jsp">http://192.168.103.3:8080/webservices.jsp</a>	<a href="http://192.168.103.247:8080/webservices.jsp">http://192.168.103.247:8080/webservices.jsp</a>
<a href="http://192.168.103.4:8080/webservices.jsp">http://192.168.103.4:8080/webservices.jsp</a>	<a href="http://192.168.103.248:8080/webservices.jsp">http://192.168.103.248:8080/webservices.jsp</a>
<a href="http://192.168.103.5:8080/webservices.jsp">http://192.168.103.5:8080/webservices.jsp</a>	<a href="http://192.168.103.249:8080/webservices.jsp">http://192.168.103.249:8080/webservices.jsp</a>
<a href="http://192.168.103.6:8080/webservices.jsp">http://192.168.103.6:8080/webservices.jsp</a>	<a href="http://192.168.103.250:8080/webservices.jsp">http://192.168.103.250:8080/webservices.jsp</a>
<a href="http://192.168.103.7:8080/webservices.jsp">http://192.168.103.7:8080/webservices.jsp</a>	<a href="http://192.168.103.251:8080/webservices.jsp">http://192.168.103.251:8080/webservices.jsp</a>
<a href="http://192.168.103.8:8080/webservices.jsp">http://192.168.103.8:8080/webservices.jsp</a>	<a href="http://192.168.103.252:8080/webservices.jsp">http://192.168.103.252:8080/webservices.jsp</a>
<a href="http://192.168.103.9:8080/webservices.jsp">http://192.168.103.9:8080/webservices.jsp</a>	<a href="http://192.168.103.253:8080/webservices.jsp">http://192.168.103.253:8080/webservices.jsp</a>



**PHILIPS**

<http://192.168.103.10:8080/webservices.jsp>

<http://192.168.103.254:8080/webservices.jsp>

*Note that when the CMND server is found via the URL fallback mechanism, the [Server URL] is not modified, this can only be done via the Professional Settings menu or via clone update.*

## 13.Examples

### 13.1 ChannelList.xml in the clone file

After you have set your settings correctly you can clone TV to USB to change the channel list. The channellist can be edited via CMND or you can do this using an xml editor tool.

The folder name used in the root of the USB memory device containing the clone data:

TPM215H\*\*\_CloneData/MasterCloneData/

Go to the ChannelList.xml file: .../MasterCloneData/ChannelList/ChannelList.xml to edit the channel list manually.

In below example, the file after a virgin installation:

```
<?xml version='1.0' encoding='UTF-8' standalone='yes' ?>
<TvContents>
  <SchemaVersion MajorVerNo="2" MinorVerNo="0" />
  <ChannelMap>
  </ChannelMap>
</TvContents>
```

#### 13.1.1 Add broadcast channels in the ChannelList.xml

For each RF channel you want to add you need to add an xml element within the <Channel></Channel> bracket in the <ChannelMap>.

*Note that satellite channels cannot be edited, this needs to be done using channel installation only.*

Some examples:

```
<Channel>
  <Broadcast medium="ATSCAntenna" frequency="581000" PhysicalChannel="32" ProgramNumber="1" TSID="739" modulation="QAM" bandwidth="Auto" servicetype="TV" />
  <Setup presetnumber="1" name="channelname" blank="0" skip="0" block="0" FreePKG="1" PayPKG1="0" PayPKG2="0" logo="" TTV1="0" TTV2="0" TTV3="0" TTV4="0" TTV5="0" TTV6="0" TTV7="0" TTV8="0" TTV9="0" TTV10="0" />
</Channel>

<Channel>
  <Broadcast medium="analog" frequency="224240" system="WestEurope" serviceID="0" ONID="0" TSID="0" PLP="0" modulation="auto" symbolrate="0" bandwidth="Auto" servicetype="TV" />
  <Setup presetnumber="1" name="ARD" blank="0" skip="0" block="0" FreePKG="1" PayPKG1="0" PayPKG2="0" logo="" TTV1="0" TTV2="0" TTV3="0" TTV4="0" TTV5="0" TTV6="0" TTV7="0" TTV8="0" TTV9="0" TTV10="0" />
</Channel>

<Channel>
  <Broadcast medium="dvbc" frequency="825937" system="west" serviceID="1" ONID="1" TSID="6" modulation="auto" symbolrate="6876000" bandwidth="Auto" servicetype="TV" />
  <Setup presetnumber="11" name="één HD" blank="0" skip="0" FreePKG="1" PayPKG1="0" PayPKG2="0" logo="" TTV1="0" TTV2="0" TTV3="0" TTV4="0" TTV5="0" TTV6="0" TTV7="0" TTV8="0" TTV9="0" TTV10="0" />
</Channel>

<Channel>
  <Broadcast medium="dvbt" frequency="610000" system="WestEurope" serviceID="6720" ONID="9018" TSID="4165" PLP="0" modulation="64-QAM" symbolrate="0" bandwidth="8MHz" servicetype="Radio" />
  <Setup presetnumber="700" name="BBC Radio 1" blank="0" skip="0" block="0" FreePKG="1" PayPKG1="0" PayPKG2="0" logo="" TTV1="0" TTV2="0" TTV3="0" TTV4="0" TTV5="0" TTV6="0" TTV7="0" TTV8="0" TTV9="0" TTV10="0" />
</Channel>

<Channel>
  <Broadcast medium="dvbt" frequency="490000" system="WestEurope" serviceID="1537" ONID="8442" TSID="6" PLP="0" modulation="auto" symbolrate="0" bandwidth="8MHz" servicetype="TV" />
  <Setup presetnumber="13" name="TF1" blank="0" skip="0" block="0" FreePKG="1" PayPKG1="0" PayPKG2="0" logo="" TTV1="0" TTV2="0" TTV3="0" TTV4="0" TTV5="0" TTV6="0" TTV7="0" TTV8="0" TTV9="0" TTV10="0" />
</Channel>
```



### 13.1.2 Add an IP channel in the ChannelList.xml

See chapter 'Installing IP Channels'

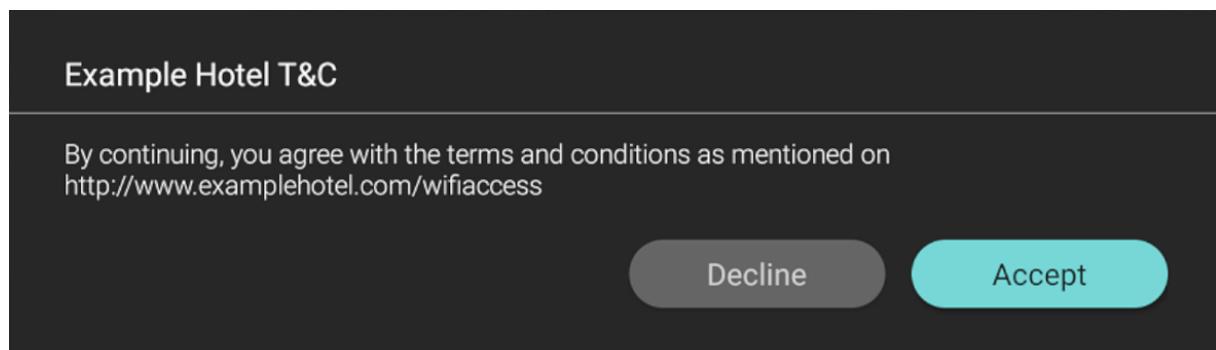
## 13.2 Edit the T&C for hotspot

For the hotspot functionality, you can enable a T&C to be shown or not. You can edit the text as you want using CMND or by editing following file in your clone:

TPM215H\*\*\_CloneData/MasterCloneData/TVSettings/CustomTermsAndCondition.json

You only need to Change the 'TermsAndConditionsTitle' content and the 'TermsAndConditionsBody' content according your needs. You can also add an extra language by duplicating the message part in the json file as in below example.

By default, only the English text is there. You can add a language by changing and/or adding the message. The language tag ('eng' for English in below example) is following the ISO639-2/T and ISO-639-2/B standards.



```
{  
  "Svc": "OfflineServices",  
  "SvcVer": "4.0",  
  "Cookie": 299,  
  "CmdType": "Change",  
  "Fun": "ApplicationControl",  
  "CommandDetails": {  
    "ApplicationDetails": {  
      "ApplicationName": "Googlecast",  
      "ApplicationAttributes": {  
        "TermsAndConditions": [  
          {  
            "Language": "eng",  
            "TermsAndConditionsTitle": "Example Hotel T&C",  
            "TermsAndConditionsBody": "By continuing, you agree with the terms and conditions as mentioned on  
            http://www.examplehotel.com/wifiaccess"  
          },  
          {  
            "Language": "fre",  
            "TermsAndConditionsTitle": "Exemple d'hôtel T&C",  
            "TermsAndConditionsBody": "En continuant, vous acceptez les termes et conditions mentionnés  
            sur http://www.examplehotel.com/wifiaccess"  
          }  
        ]  
      }  
    }  
  }  
}
```



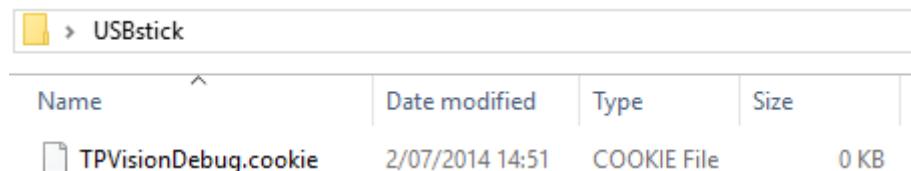
```
}
```

### 13.3 Capture logs from TV on USB

Sometimes if you would have a problem, it can be requested by the technical team to share a clone file and logs of the issue you have reported.

To make logs you need to do following steps:

- Create a new text file on a FAT32 formatted USB stick
- Rename the "New Text Document.txt" file to "TPVisionDebug.cookie" (including renaming the .txt into .cookie)
- Connect the USB to TV
- Reproduce the problem you have
- Put the TV to STBY and power off the TV before disconnecting the USB
- After reproduction is done, disconnect the USB stick again from TV and zip the "TPVisionDebug" folder and share it with the technical team



USBstick			
Name	Date modified	Type	Size
TPVisionDebug.cookie	2/07/2014 14:51	COOKIE File	0 KB



© 2023 TP Vision Europe B.V.

All Rights reserved.

Specifications are subject to change without notice.

Trademarks are the property of Koninklijke Philips NV or their respective owners.

