EMINENT

EM7680
TV Streamer powered by LibreELEC Kodi

en

Manual

EM7680 - TV streamer powered by LibreELEC Kodi

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1.0 Introduction

Congratulations with the purchase of this high-quality Eminent product! This product has undergone extensive testing by Eminent's technical experts. Should you experience any problems with this product, you are covered by Eminent warranty. Please keep this manual and the receipt in a safe place.

Register your product now on www.eminent-online.com and receive product updates!

1.1 Introduction TV streamer

With the Eminent EM7680 TV streamer you can stream files from the internet or from your home network, watch all your movies in full HD, view your high quality photo albums and listen to your music collection. The Eminent EM7680 TV Streamer comes with a five year warranty.

1.2 LibreELEC and Kodi introduction

LibreELEC is an operating system build around "Kodi": An open source entertainment media hub. Because of its open source system, Kodi supports a large amount of Add-ons, which are provided by third parties. Within Kodi you are able to add these Add-ons from the default Kodi repository or by adding additional repositories from the internet. The functionalities and the availability of the Add-ons solely depends on these third parties. If a third party decides to make changes to a certain Add-on or decides to stop supporting Add-ons, Eminent cannot guarantee the continued functionalities and the availability of the Add-ons! Eminent does not support any of these Add-ons and will direct you to Kodi, LibreELEC or the forum/website of the third party manufacturer.

For Kodi support please visit:
http://kodi.wiki

For LibreELEC support please visit:
http://wiki.libreelec.tv

EM7680 Source code GitHub:
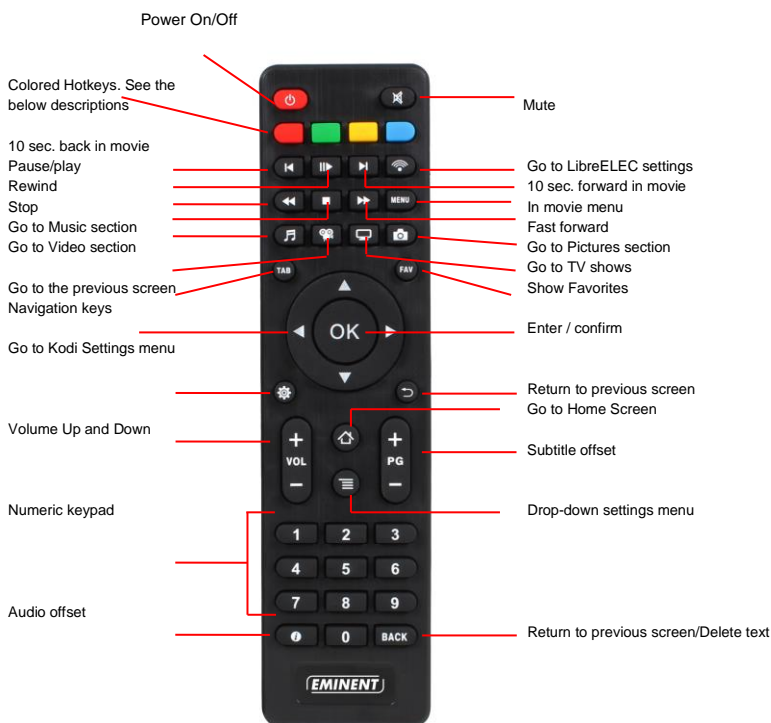
https://github.com/Eminent-Online/OpenELEC.tv

1.3 Packing contents

The following parts need to be present in the packing:

- EM7680 TV Streamer
- Power supply
- Remote Control + 2x AAA batteries
- HDMI High Speed cable
- Quick Installation Guide

2.0 Explanation of the remote control

Power On/Off

Colored Hotkeys. See the below descriptions

Mute

10 sec. back in movie
Pause/play
Rewind
Stop
Go to Music section
Go to Video section

Go to LibreELEC settings
10 sec. forward in movie
In movie menu
Fast forward
Go to Pictures section
Go to TV shows

Go to the previous screen
Navigation keys

Show Favorites

Go to Kodi Settings menu

Enter / confirm

Return to previous screen
Go to Home Screen

Volume Up and Down

Subtitle offset

Numeric keypad

Drop-down settings menu

Audio offset

Return to previous screen/Delete text

Coloured buttons description when video is playing:

Red: Subtitle search.
Green: In movie video settings.
Yellow: In movie audio & subtitle settings.
Blue: Bookmarks.

Coloured buttons description when Kodi has boot:

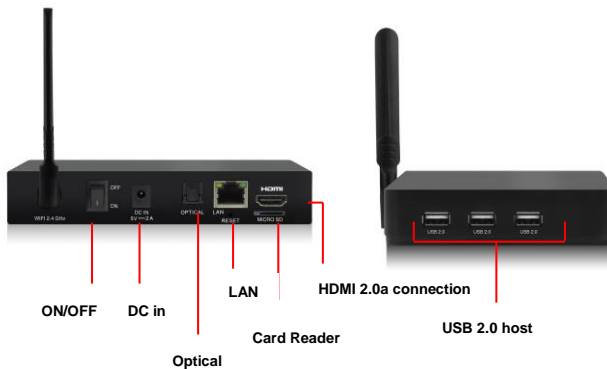**Red:** Change the view how the icons will be displayed.
Green: Go to Video section.
Yellow: Go to favourites.
Blue: Go to pictures section.

3.0 Explanation of the connections

3.1 Connections of the EM7680

- **On/Off Switch.**
- **DC In:** Connection for the power cable (5V).
- **Optical S/PDIF connection:** Audio connection to connect to your digital audio receiver.
- **LAN:** Connection used to connect to your LAN network.
- **Micro SD card reader:** Connection for external memory cards such as Micro-SD and Micro-SDHC cards.
- **HDMI connection:** HDMI High speed. Used to connect to your HD television or HDMI AV receiver.

- **USB 2.0 host:** Used to connect USB devices such as a USB hard disk, USB memory sticks, wireless keyboard* and Wifi network adapters.

  * Wireless Keyboard support: All wireless keyboards including 2,4GHz dongle should normally work, except for Bluetooth keyboard. Also note that FN and media keys might not function.

4.0 Connecting the TV streamer

1. Connect the HDMI cable to the HDMI connection of the EM7680 and connect the other side of the HDMI cable to a free HDMI connection on your television.
2. Connect a network cable to the LAN connection of the EM7680. Connect the other side of the network cable to your modem/router or switch.
3. Set the television to the corresponding HDMI channel.
4. Connect the cable of the power supply to the '**Power**' of the EM7680.
5. Connect the power supply to a wall outlet.

If you want to connect your TV streamer to your HDMI AV receiver, please follow the steps described in chapter 7 Audio Passthrough setup.

5.0 Setting up the TV streamer.

1. Make sure the **"On/Off"** switch is switched to **'On'** to start up the TV streamer.
2. Once the EM7680 has booted, a wizard appears. This wizard can be used to setup the TV streamer.

During the start of the wizard, you will notice some default add-ons, like subtitle and weather add-on being updated when you have connected the streamer to the Internet.
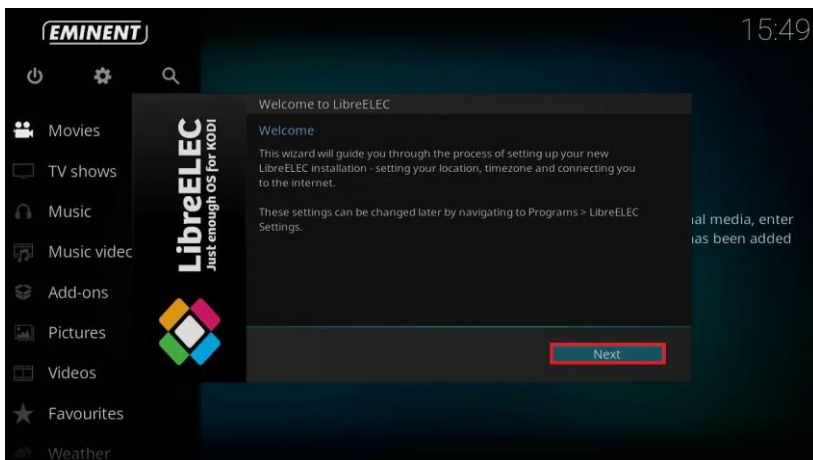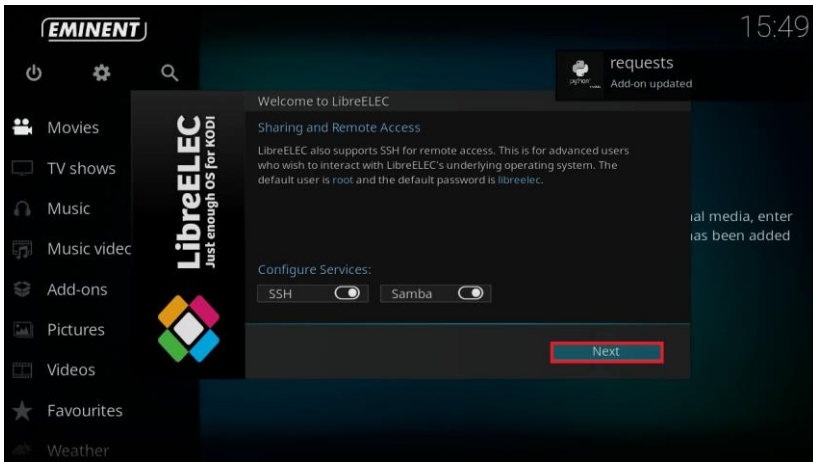
3. Click **"Next"**. The following screen appears.
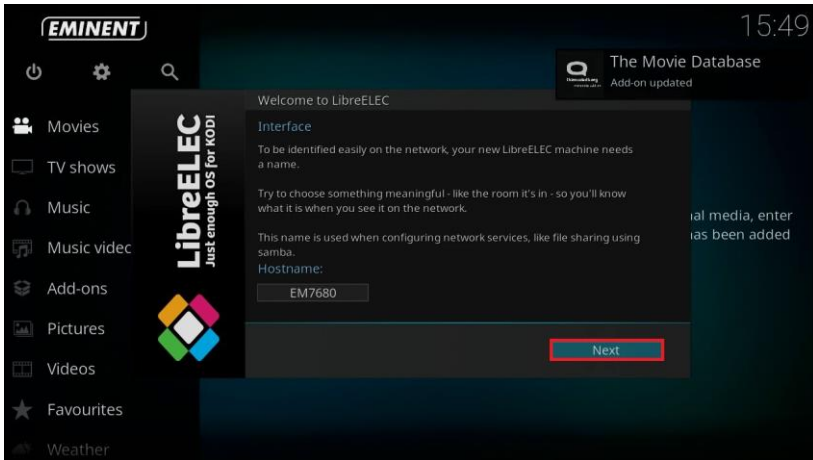
4. You have the option to change the name of your TV streamer. If you wish to change the TV streamers name, you can change the name so it will be recognizable when you see the TV streamer in your network. Click "**Next**". The following screen appears:
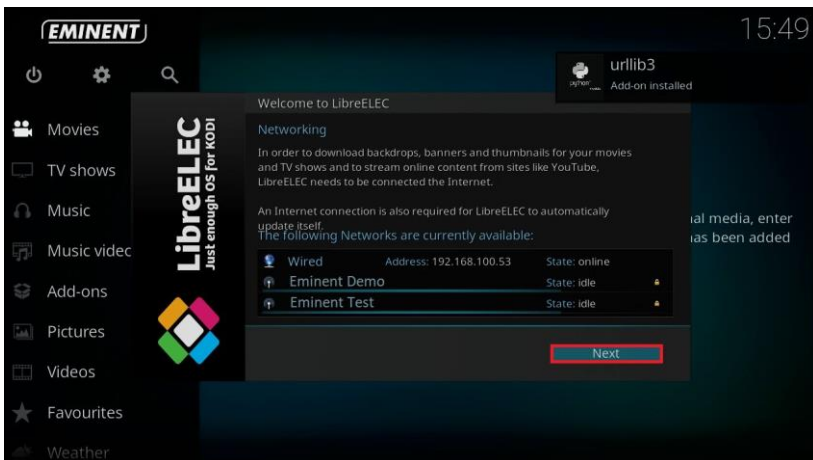
5. If you choose to setup your network connection wirelessly, then please select your wireless network name and fill out the corresponding security key. Click "**Next**". The following screen appears:

6. You will notice that Samba and SSH for sharing and remote access are at default enabled. We advise you to leave these options enabled. Click "**Next**". The following screen appear:
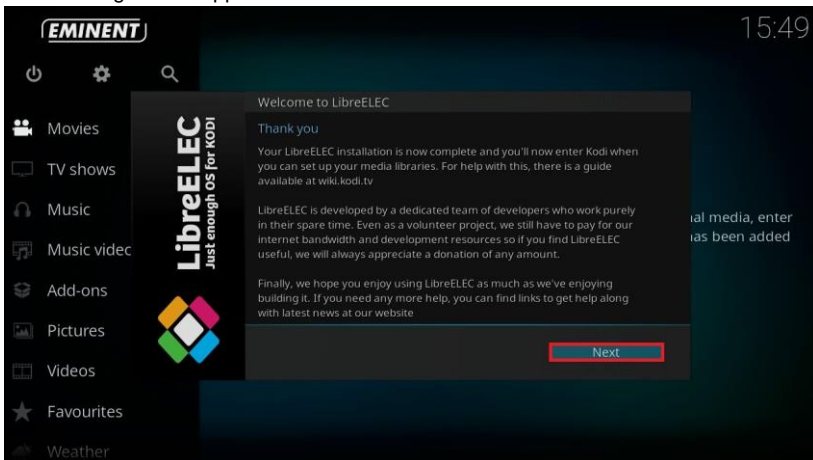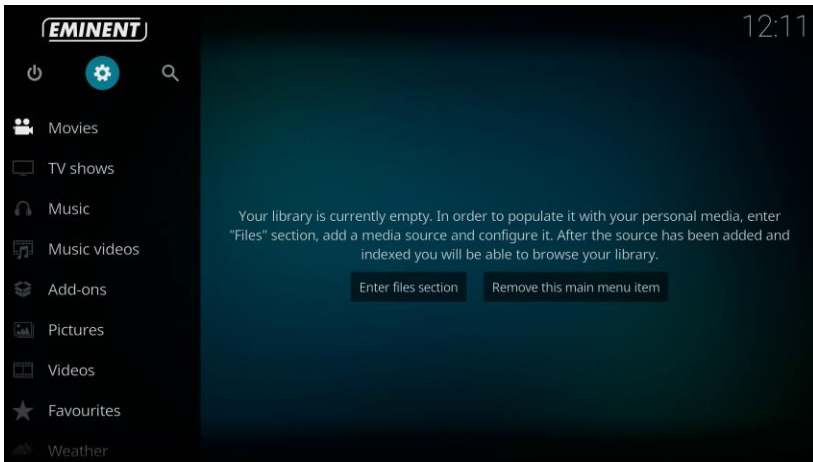

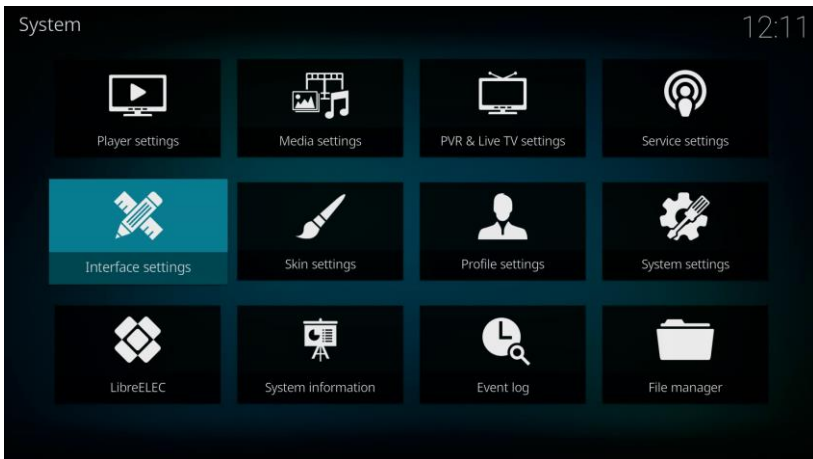7. Click "**Next**". Your TV Streamer is now ready to use.

*All these settings you have entered or changed can also be changed in the "**Settings**" menu.*
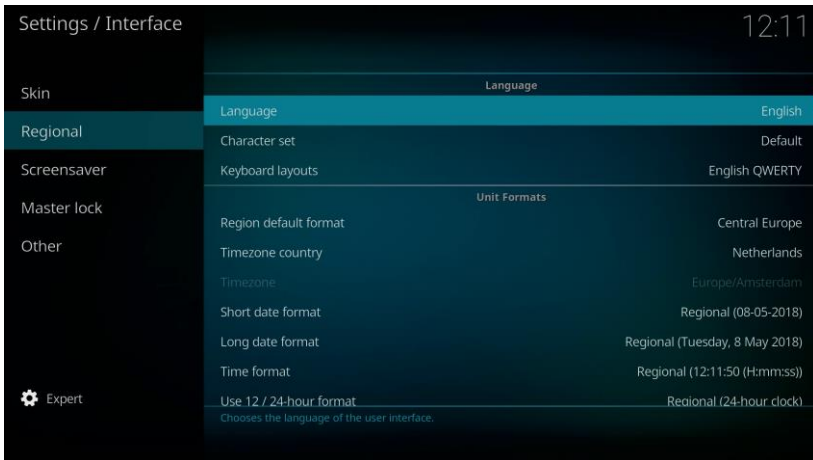
6.0 Change Kodi language interface

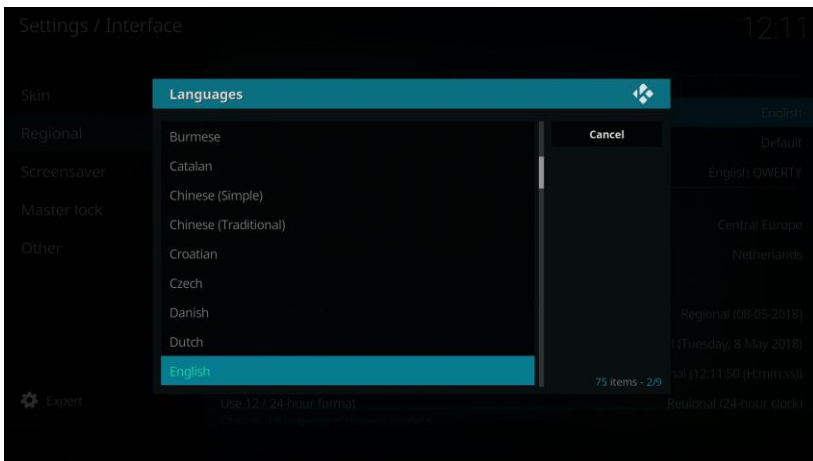1. Use the navigation buttons to go to the cog-wheel icon.

2. Click on the '**OK'** button on your remote control. The following screen appears:

3. Select '**Interface settings'** and press the **"OK''** button on your remote control. The following screen appears:

4. Select '**Regional'**. With the navigation buttons go to the right side and click on '**Language'** with the **'OK**' button. The following screen appears:


5. Choose your desired Language and enter with the **'OK'** button.
6. Use the navigation buttons again to go to "**Country and languages settings**"
7. You will notice that all settings for language will be automatically changed except for time zone.
8. Click on **'Time zone'** country to add the corresponding country for proper time zone.

7.0 Audio passthrough setup

If your EM7680 is connected to a AV receiver by HDMI or S/PDIF connection, you will need to "**enable passthrough**" so your AV receiver will be able to decode the audio streams such like DTS or Dolby Digital.

Before you power on the TV streamer, please make sure to setup properly the connection between TV and AV receiver as described in the following steps.

7.1 Connect the EM7680 with an HDMI and/or S/PDIF cable via your Home cinema set to your TV
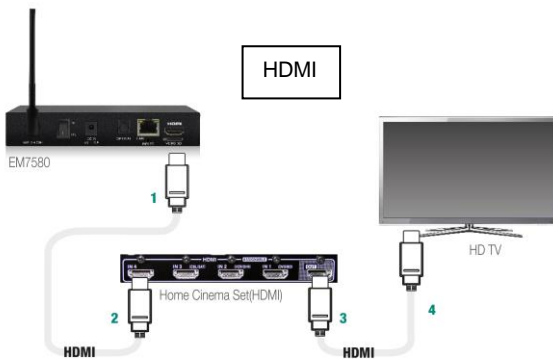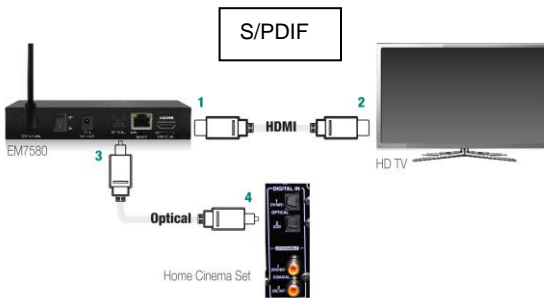
7.1.1 Connect the EM7680 to an AV receiver by "HDMI"

1. Connect one side of the HDMI cable to the HDMI output of the EM7680.
2. Connect the other side of the HDMI cable to the HDMI input of your Home Cinema Set.
3. Connect a second HDMI cable (not included) to the HDMI output of your Home Cinema set.
4. Connect the other side of the second HDMI cable (not included) to an available HDMI input of your TV.

7.1.2 Connect the EM7680 to an AV receiver by HDMI and optical cable

1. Connect one side of the HDMI cable to the HDMI output of the EM7680.
2. Connect the other side of the HDMI cable to the HDMI input of your TV.
3. Connect the optical cable (not included) to the optical output of your EM7680.
4. Connect the other side of the optical cable (not included) to an available optical input of your Home Cinema Set.
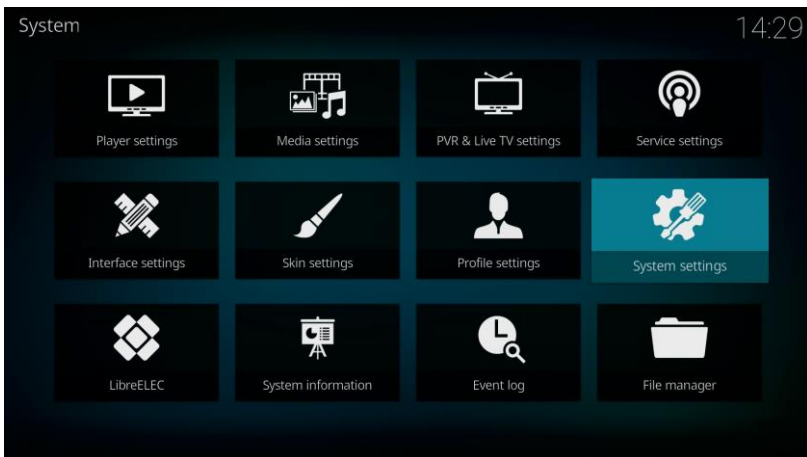
7.2 Audio passthrough setup for HDMI and S/PDIF

The following instructions are for both HDMI and S/PDIF the same.

1. Switch the power switch to "**ON**" to boot the TV streamer.
2. Once the TV streamer has booted, the home screen appears:
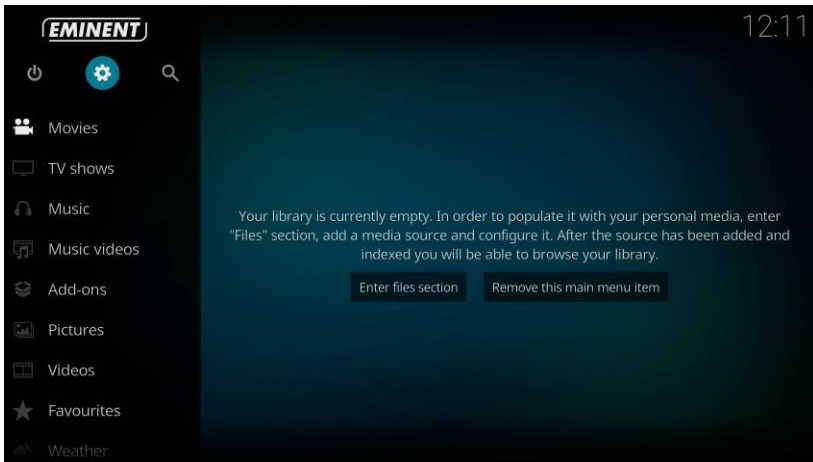
3. Use the navigation buttons to go to the cog-wheel icon and click the **"OK"** button on your remote control. The following screen appears:

4. Click on '**Settings'** with the '**OK'** button on your remote control. The following screen appears:

5. Select "Audio". Scroll down and press "allow passthrough" and click the "OK" button on you remote control to activate passthrough.
6. The settings you have just changed are applicable when connected to an AV Receiver or Home cinema set using a HDMI cable or an Optical cable.
7. Your EM7680 is now ready to play encoded files like Dolby and DTS through your AV receiver. For Dolby True-HD and DTS-HD audio passthrough enable "**True-HD capable receiver**" and "**DTS-HD capable receiver**", see screen:
8. Notice: only enable TrueHD and DTS-HD when you have connected the EM7680 via HDMI. When you want to passthrough audio via optical cable then do not enable **True-HD capable receiver**" and "**DTS-HD receiver".**

8. Connect the streamer to your wireless network

You can connect the EM7680 via LAN cable or wireless via Wi-Fi. When you want to connect via Wi-Fi and you receive a network error, this is due to LibreELEC/Kodi that has compatibility issues with special characters used in your wireless encryption key. However your streamer should still be able to connect to your Wi-Fi network.

To check if your EM7680 has an internet connection you can check the following:

1. Go with the navigation buttons on your remote control to System and click with the "OK" button on "LibreELEC".
2. Go to "Connections" and connect to your wireless network.

When the streamer has make connection it will show a valid IP address with the State: "Ready"

9.0 Configure your Windows system for sharing

Remark: When you have followed below instructions and all of a sudden you experience the same issue, it is because your PC has installed a new build version for Windows 10. If your PC has installed this windows update then you will have to follow once more the same below instructions to solve this problem.
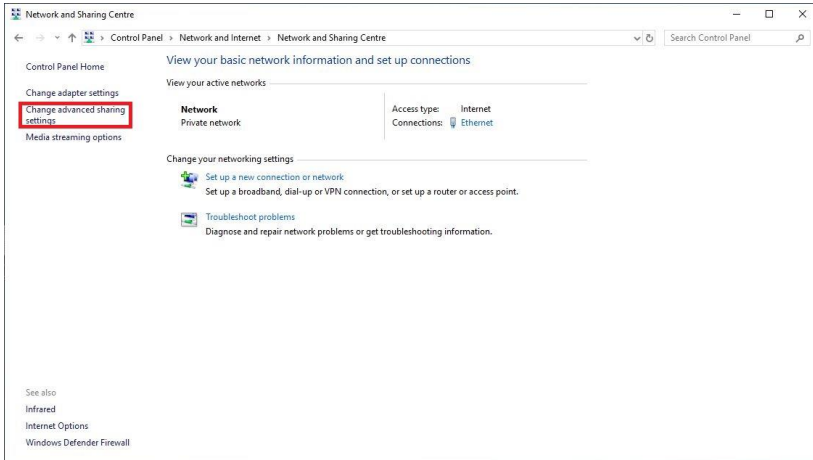
1. Make sure your computer is completely started and you can see the Windows desktop.
2. Click the "**Magnifying glass**" (next to the start button)
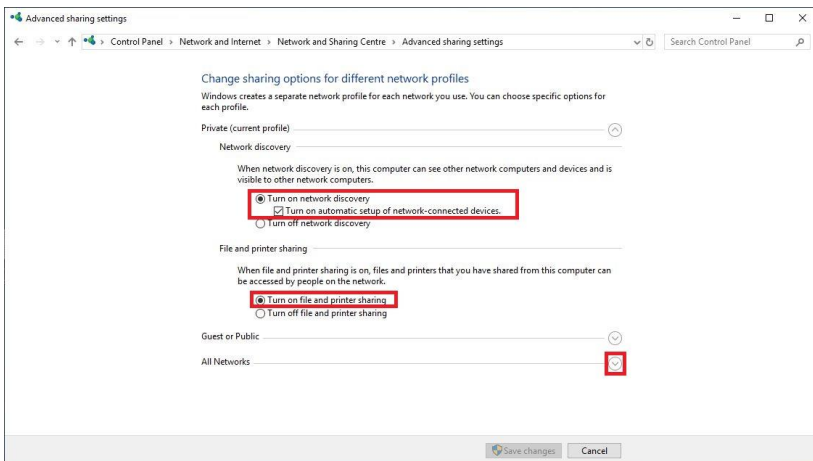3. Enter "**Control panel**"
4. Select "**Control panel**"
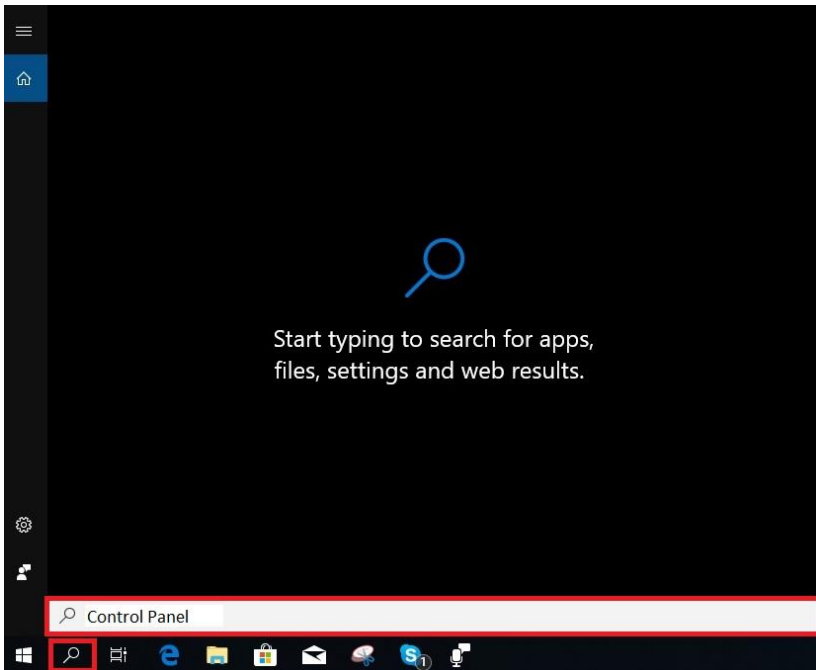
5. Click **'View network status and tasks'** at **'Network and Internet'**.
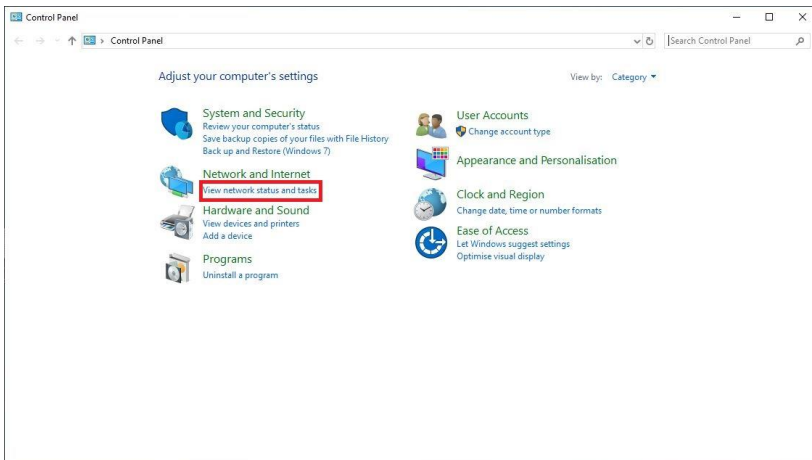
6. Click "**Change advanced sharing settings**".

7. Click the arrow at 'Home or Work' (current profile) to unfold this menu setting. Then use the following steps:
8. Click "**Turn on network discovery**".
9. Click "**Turn on file and printer sharing**".

10. Click the arrow at "**All networks**" to unfold this menu setting. Then use the following steps:
11. Click "**Turn off password protected sharing**".
12. Click "**Turn on Media Streaming**"
13. Click "**Save changes**".
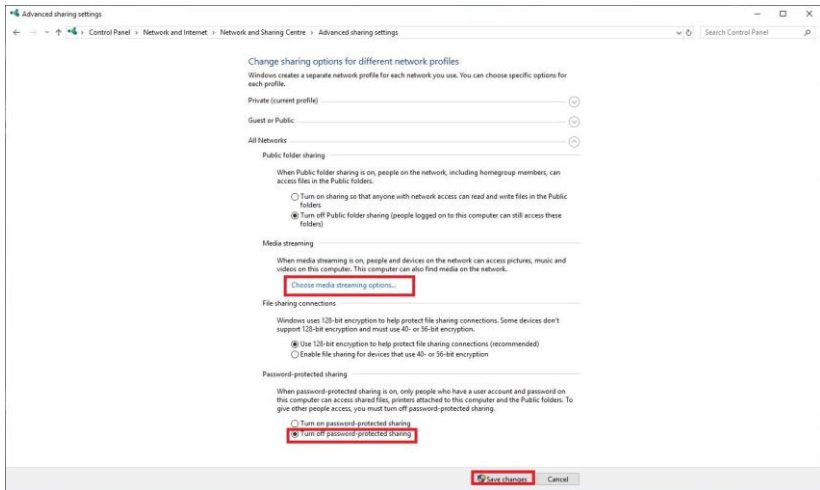
Making a shared folder:
Now you have setup Windows, you need to select a folder, or you need to create a folder. This folder will be used to store your media files. During the next chapter we will explain how to share a folder.

14. Use the start menu to select **'Computer'** and select the system disk (C:-disk).
15. Select the file you want to share, You can also create a new folder by right-clicking the mouse and choose 'New folder'. Give this newly created folder a name.
16. Right-click this folder and choose **'Properties'**.
17. Go to **'Sharing'** and choose **'Share'**.
18. Click the arrow and choose **'Everyone'**. Also, add **'Administrator'**.
19. Choose the user rights at **'Permission level'**. Select **'Read'** or '**Read/write'**. Both available levels can be used.
20. Click 'Share' to share the folder with the assigned users and corresponding user permissions. You will now be able to acces the shared folder(s) of Windows 10 following the next chapter.

Pay attention! It is important that you share the root directory and not only a sub directory . If you only share a sub directory, the root directory will not be shared correctly and you will receive an error message via your media player that you do not have the correct authorization.

9.1 Stream your media through Windows

*In the following steps we will describe how to stream your videos through Windows. Be aware that these descriptions will be the same if you want to stream "**Music**" or "**Pictures**"*

9.1.1 Wireless keyboards support for your EM7680

You can use the included remote control or if available a wired/wireless keyboard.
Using a wireless keyboard is very helpful if you need to fill out data which is required
for adding a Windows network share.
All wireless keyboards including 2,4GHz dongle should normally work, except for
Bluetooth keyboard. Also note that FN and media keys might not function.

9.1.2 Stream my media through Windows

1. Please make sure your TV streamer is powered on and connected to your home
   network if you want to stream media from your Windows PC or laptop.
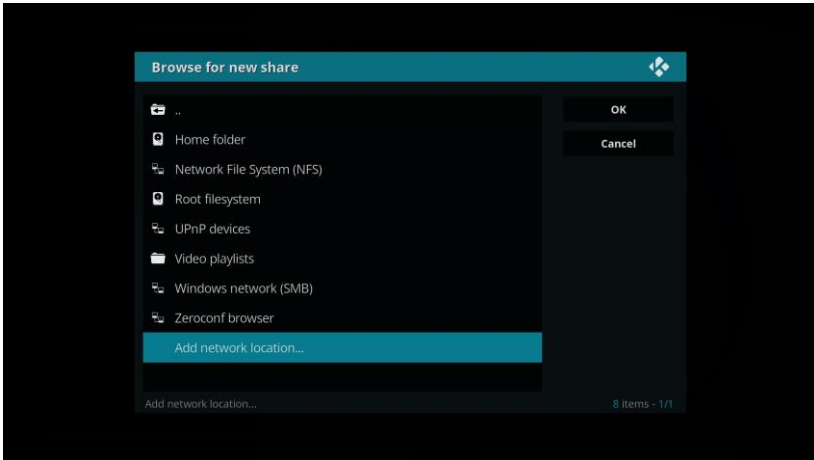2. Once the TV streamer has booted, the home screen appears:
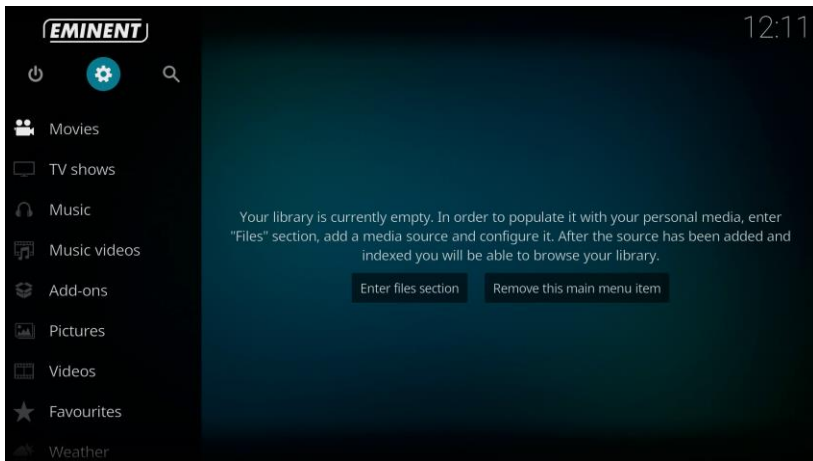
3. Use the navigation buttons to go to "**Movies**". Press the "**OK**" button on your
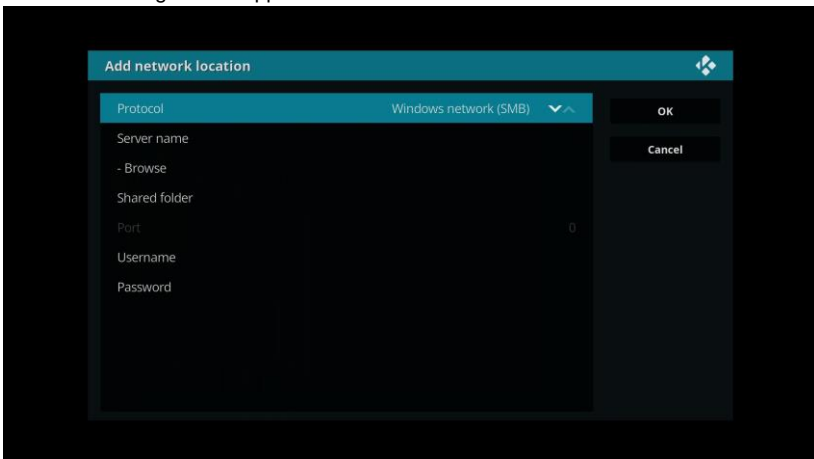   remote control. The following screen appears:
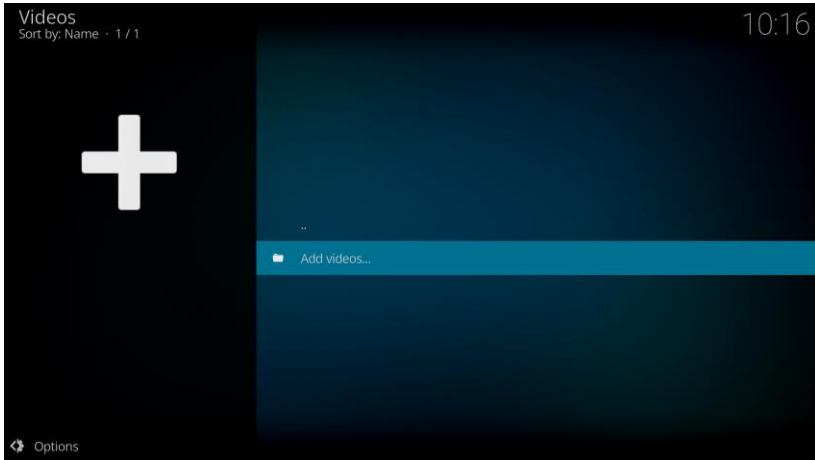
4. Press "**Add videos**" and click "**OK**" button on your remote control. The following screen appears:
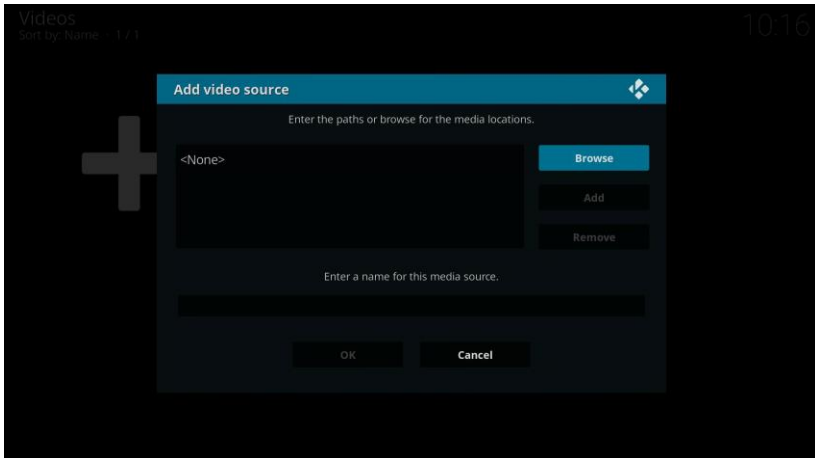
5. Select '**Browse"** and press **"OK"** button on your remote control. The following screen appears:
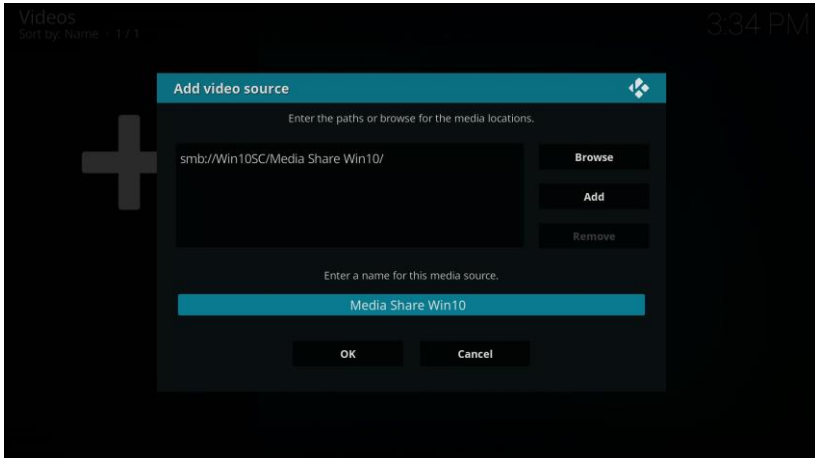
6. Select '**add network location'** and press the "**OK**" button on your remote control. The following screen appears:

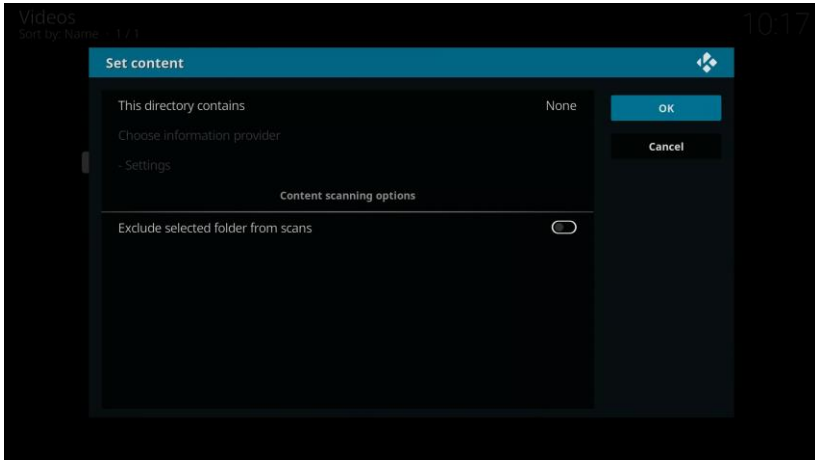In the new window make sure **Protocol Windows network** (**SMB**) is selected for your Network Share, then fill out Server Name. To retrieve your PC name simply just press the "**Windows**" key plus "**Pause/Break**" key on your keyboard. The system window will open and you will see your PC name. In the Share folder section, type "exactly" the name of the folder you wish to add. Then if your share requires a

Username and Password enter them in the appropriate sections. This is normally the same username and password you will use to login your windows account. If you have never entered a username and password for you windows account, then these fields can remain empty. Select "**OK**" and your share should appear in the Browse for new share list.

7. Select the video directory you wish to add and press the "**OK**" button on your remote control. The following screen appears:


8. You will notice the full network path of "your media directory" you have added in the previous steps. By default Kodi will leave the name of the media source the same as your original media directory. You will also notice that Kodi will give you the option to change the name of the media source. You are free to enter a name at your will. Select "**OK**" to add your video source. The following screen appears:

9. It is not necessary but you have the option to set a movie database to collect info about your video files. For more info about how to set content for your video files use the following link:
   http://kodi.wiki/
10. Select "**OK**" and press "**OK**" on you remote control. Kodi will show you shared media source in "**Movies**". The following screen appears:
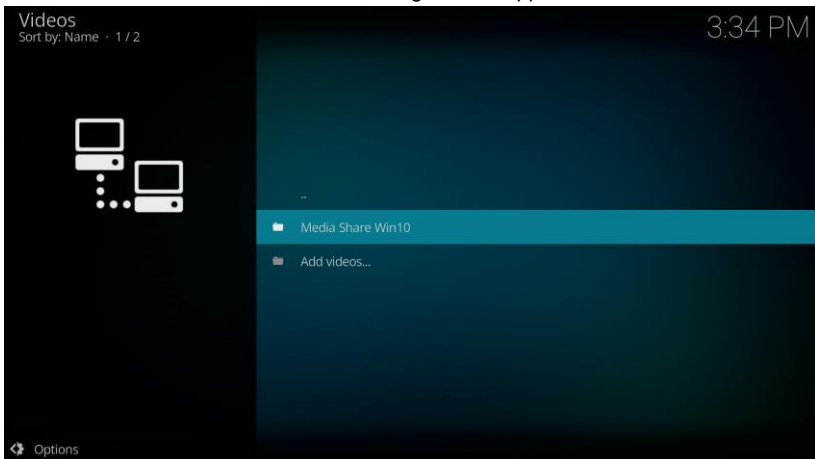

11. Press the "**OK**" button on your remote control to view and play your video files.

9.2 Stream your media through Mac OS

1. Download the tool SMBUP via the following link:
   https://www.macupdate.com/app/mac/41541/smbup

2. Copy the file to your applications folder SMBUP.

3. Start the program SMBUP. This program will download and install the SMB1 service on the MAC.

4. Follow the installation instructions. At the end of the installation choose "Configure Shared Disks"

5. Click on "Add new shared drives" and select the folder you want to share with the media player.

6. Click "Choose" to select the folder.

7. Make sure the option "Allow Guest" is enabled.

8. If you want to prevent that files can be deleted then also check if the option "Read Only (RO)" is enabled.

9. Click "Update" to share this folder.

10. Repeat this step for all the folders you want to share (music / images / movies).

11. Optionally, you can change the network name as it appears later on the streamer in the "Name" text field (for example: MAC)

12. Press "Save All" (If this option is not available then click on the lock icon and enter the security password to unlock this option).

13. Now you can share folders via Finder in the MAC.

14. In Finder, navigate to the folder you want to share.
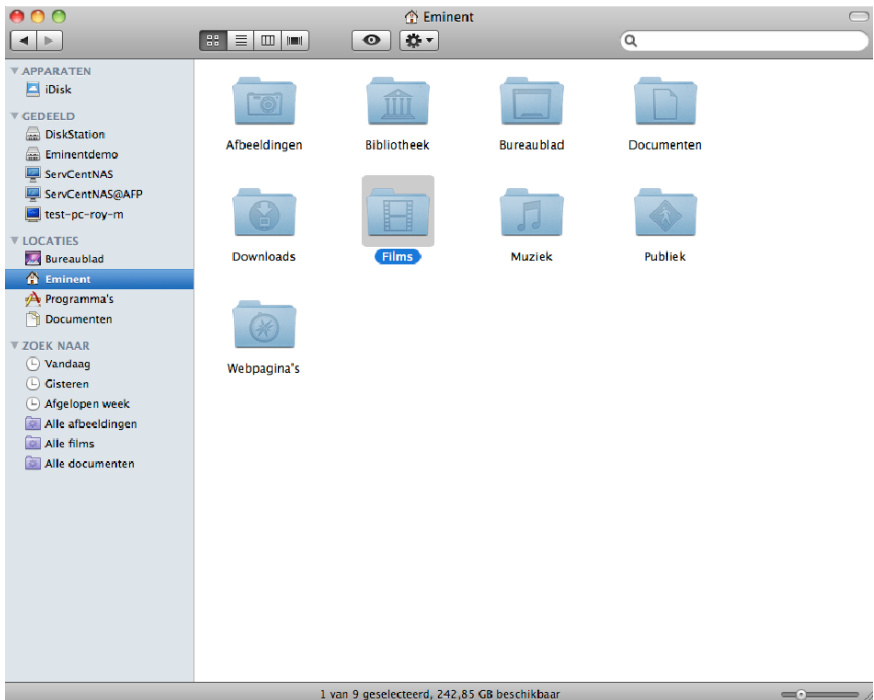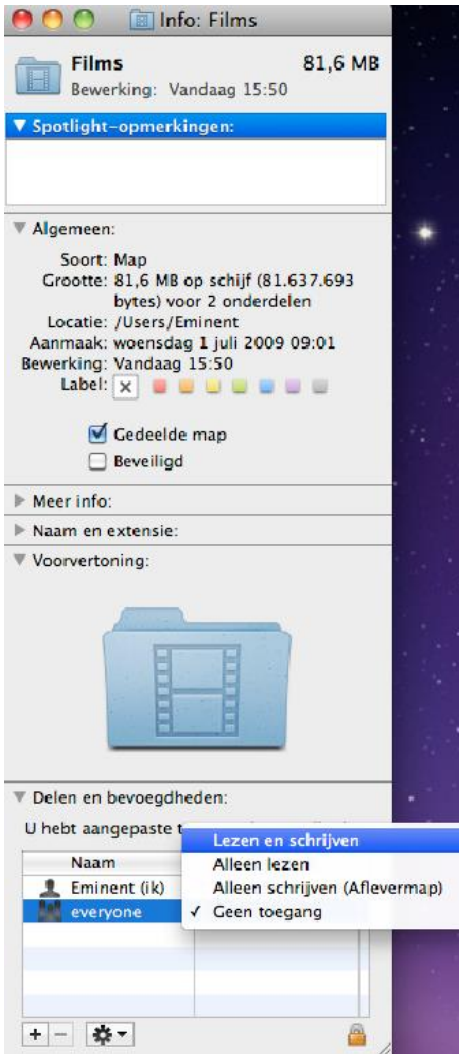
15. Click with the right mouse button on the folder and select "Show Info".
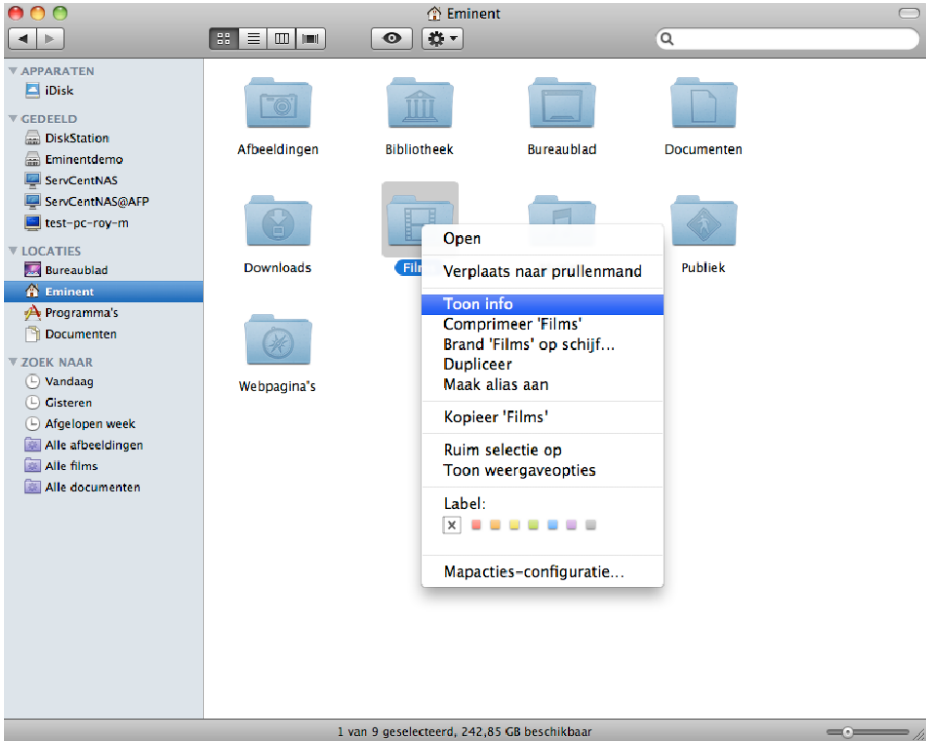
16. Turn on the option "Shared Folder".
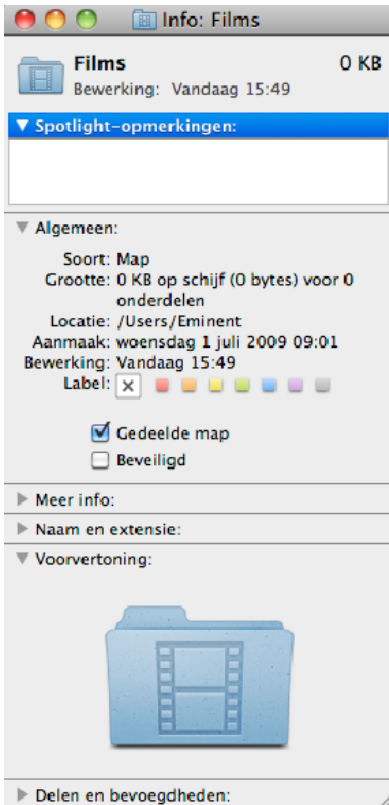
17. Click on "Sharing & Permissions".

18. Check if the user "Everyone" has at least "Read Only" rights checked.

19. Then press and select "Apply to enclosed items…" (if this option is not available then click on the lock and enter the security password to unlock this option and repeat this step.

20. Press OK.

21. Repeat this for all folders you've shared earlier in SMBUP. Open SMBUP and verify that the Samba server is running.
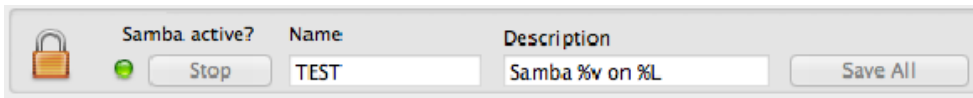

Samba active

Green = Active

Red = Not active

When it turns red you have to click on the button "Start". (is this option not available then you have to click on the lock en enter the security key to make this option available).

When the circle turns green you can access the directories and play the files through on the Media player.

Attention!: The program SMBUP needs to be rebooted every time after the MAC has been rebooted

9.3 Stream your media through NAS

1. Please make sure your TV streamer is powered on and connected to your home network if you want to stream media from your NAS.

2. Once the TV streamer has booted, the home screen appears:
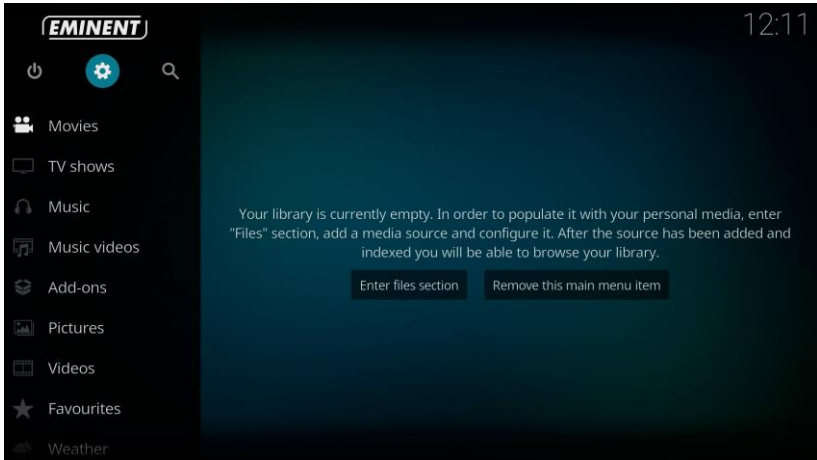
3. Use the navigation buttons to go to "**Movies**". Press the "**OK**" button on your remote control. The following screen appears:
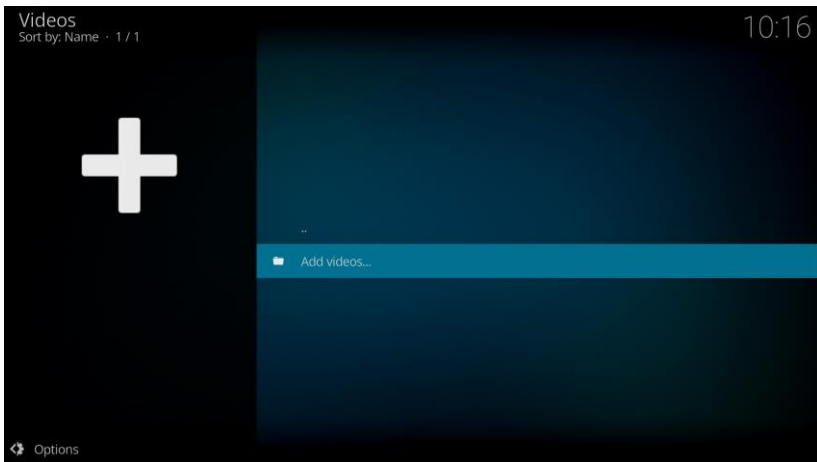
4. Press "**Add videos**" and click "**OK**" button on your remote control. The following screen appears:
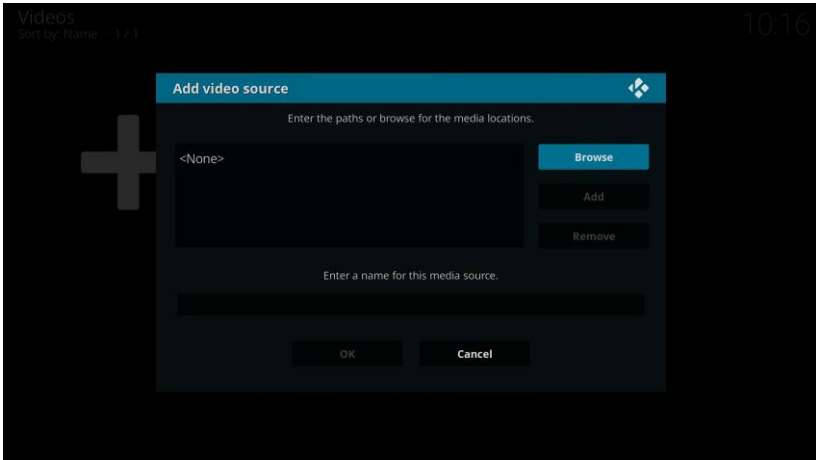
5. Select '**Browse"** and press **"OK"** button on your remote control. The following screen appears:
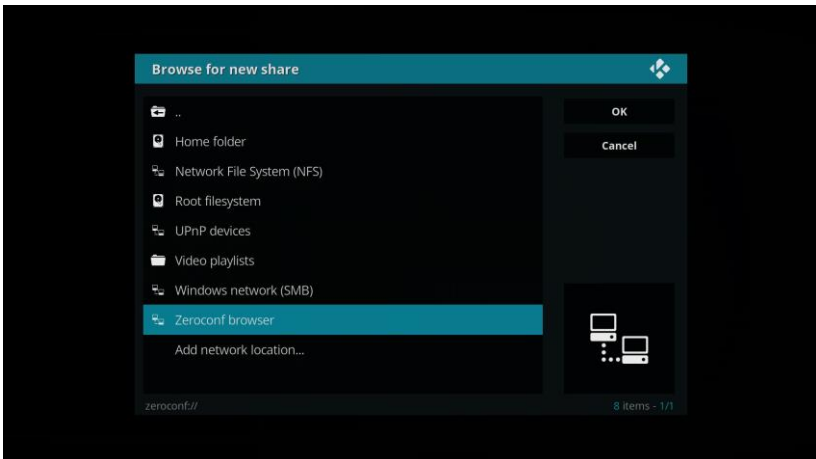
6. Select '**Zeroconf** browser' and press '**OK'** button on your remote control. The following screen appears:
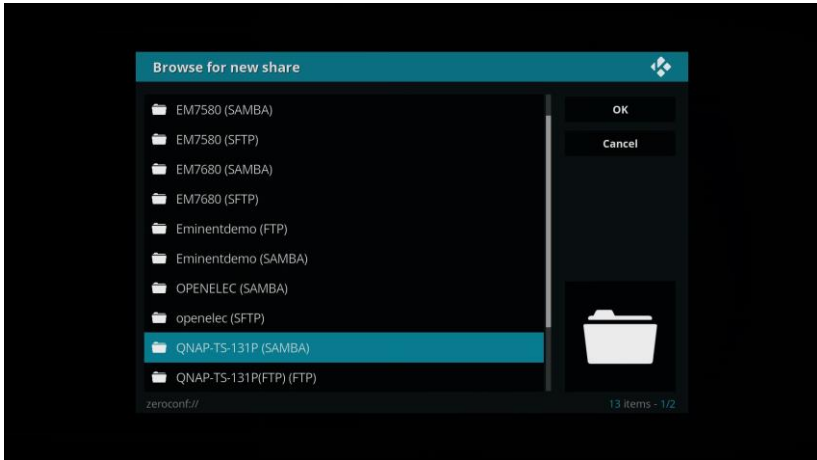
Select your NAS and press on "**OK**".

7. Select the video directory you wish to add and press the "**OK**" button on your remote control. The following screen appears:

8. You will notice the full network path of "your media directory" you have added in the previous steps. By default Kodi will leave the name of the media source the same as your original media directory. You will also notice that Kodi will give you the option to change the name of the media source. You are free to enter a name at your will. Select "**OK**" to add your video source. The following screen appears:

9. It is not necessary but you have the option to set a movie database to collect info about your video files. For more info about how to set content for your video files use the following link: **http://kodi.wiki/**
10. Press "**OK**". You will be redirected to the **"Movies"** section where your new share is saved. The following screen appears::
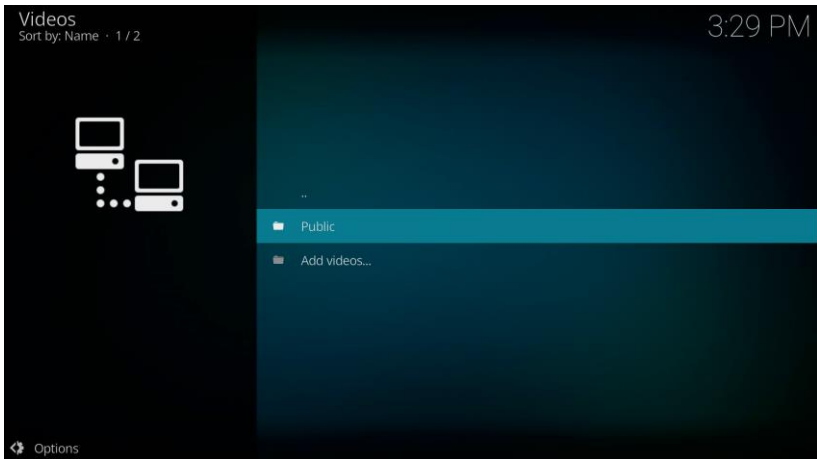
11. Press the "**OK**" button on your remote control to view and play your video files.

9.4 Stream your video's through USB drive

9.4.1 External hard drive

Please note that there is a possibility that your external hard drive will not be detected. If you experience this issue then the problem is most likely that your external hard drive needs more power than the USB port can supply. In this case try to connect the power supply of the external hard drive (if available). When you do not have the option to use an external power supply then we recommend you to use an 3,5" external hard drive that normally will include a suitable power adapter. Other option is to use different streaming method, like via NAS, Windows PC or USB stick.

9.4.2 How to stream your video's through USB drive

1. Please make sure your TV streamer is powered on to start.
2. Once the TV streamer has booted, the following screen appears:
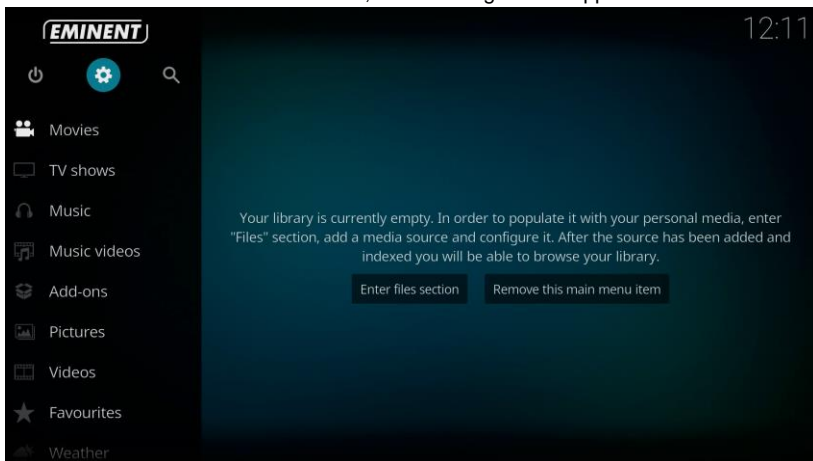
3. Connect your USB device to one of the three USB ports. You will see the following notification: "**mounted removable storage device**".
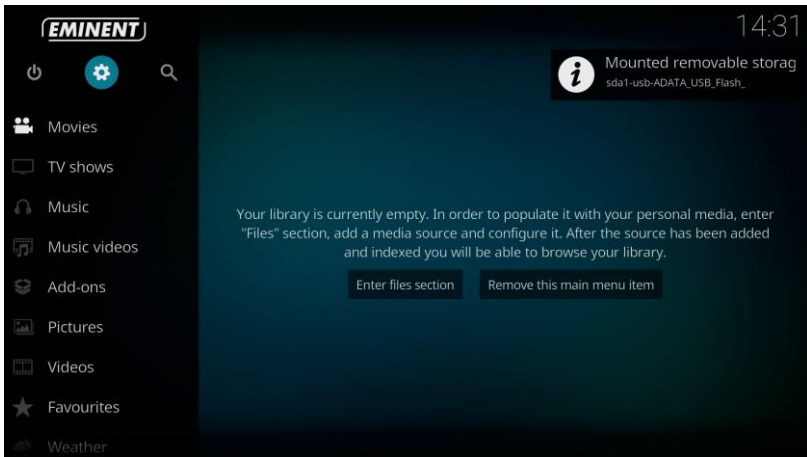
4. Use the navigation buttons to select per example "**Movies**" and press "**OK**" on you remote control.
5. Enter the name of your USB drive and press **"OK"** on your remote control to view your files and play the movie you want.
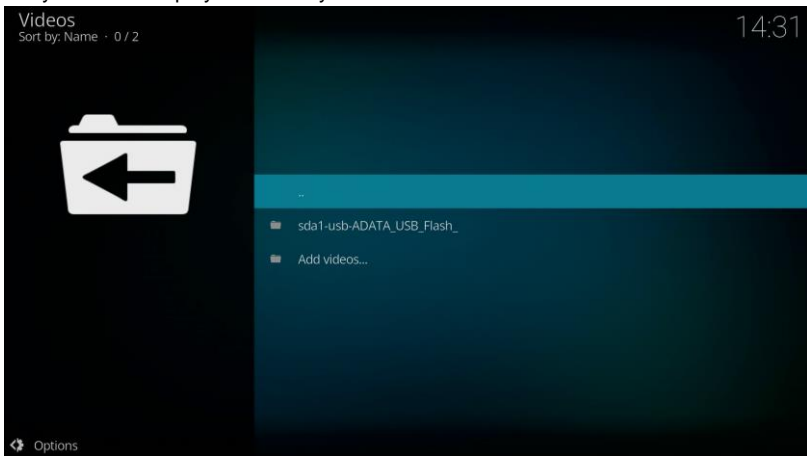
9.5 How to find and manage my media in the Windows 10 network sharing environment

Maybe you have connected an external hard drive and would like to view/manage these files via your Windows 10 network environment. To prepare this please follow the steps mentioned below.

1. Press and hold the Windows-key (Windows flag sign) and press one time on the "**R**" key on your keyboard.

2. Type in this field: **optionalfeatures**

3. Search in this list for "**SMB 1.0/CIFS File Sharing Support**" and mark the checkbox
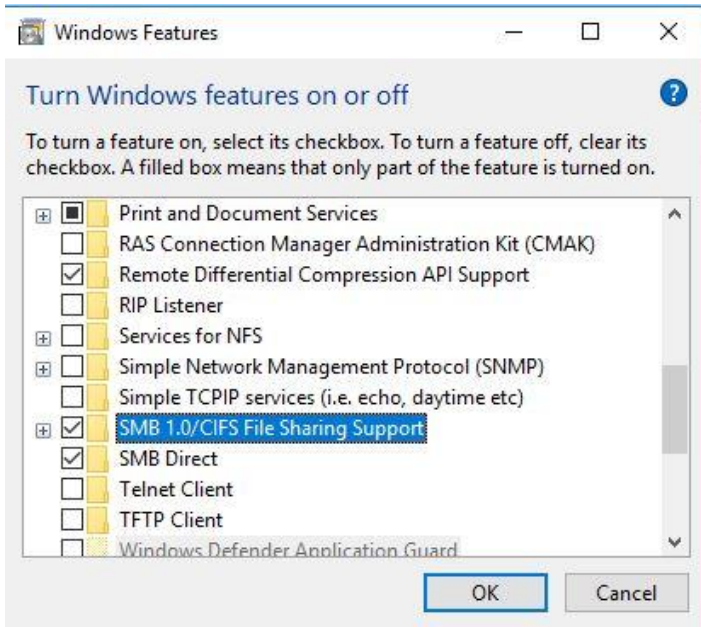
4. Click on "**OK**" and reboot your PC/Laptop.
5. Again; press and hold the Windows-key an press one time on the "**R**" key on your keyboard.
6. Type in this field: \\EM7580 or \\EM7680
7. At least 1 HDD needs to be connected onto the media player. The media player will now be visible in the Windows10 Network environment.

10.0 How to play DVD Video_TS?

The easiest way is to press the "Play" button if the Video_TS directory is selected. Simply navigate to the DVD folder you wish to watch and press the "Play" button on your remote control.
Be aware that you do not click the "OK" button when the DVD Video TS folder is selected because you will navigate only through the DVD folder and nothing will happen unless you play a VOB file.

11.0 How to repeat media files?

1. Open the file you want to play.
2. Now press on the "TAB" button of your remote control and go with navigation buttons to the left.
3. At almost the bottom of the menu you will see the option "Current Playlist". Press the "OK" button of your remote control.
4. Go with the navigation buttons to the left. You will see the option "Repeat". Press the "OK" button of your remote control. Choose from the options "Repeat One" or "Repeat All" to automatically repeat your media files.
5. Select "Save" and press the OK button on your remote control

12.0 Audio and Subtitle selection

When more than one subtitle or audio streams are available, you will have the option to switch between them.

1. Use the navigation buttons to go to "**Movies**"
2. Select your video source and choose a movie you want to play.
3. Press the "**OK**" button to start the movie.
4. Once the movie is playing press the ▭ button on your remote control. The following screen appears:
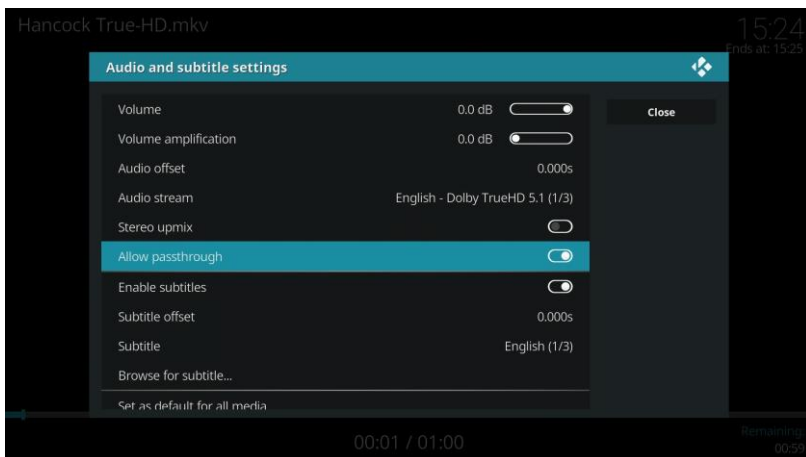
5. Make sure "**Enable subtitles**" is enabled.
6. Use the navigation keys to go to "**Subtitle**" and select your desired subtitle stream.

7. Use the navigation keys to go to "**Audio stream**" and select your desired audio stream.

12.1 Subtitle service

The EM7680 uses third party add-on Opensubtitles.org to download and add subtitles when it is not build in your movie file.

Opensubtitles.org have recently decided to make their service only available to registered users, registered on the official website from Opensubtitles.org. If you have not yet made an Opensubtitle.org account you will receive the following error when searching for subtitles:

"Error searching for subtitles your opensubtitles.org username or password is empty or not valid"

To fix this problem type in the following address to make a free account:

http://www.opensubtitles.org/en/newuser

You will see the following page:

1. Fill out your desired username, email address and password.

2. Once you have filled out your desired credentials, you must tick **"I'm not a robot"** and click on the button **"Register".**

3. You will now receive a confirmation mail with an activation link. Click on the link to active your Opensubtitle.org account.

Once you have made an Opensubtitle.org account you will have to add your credentials to the Opensubtitle.org add-on in Kodi. See below instructions:
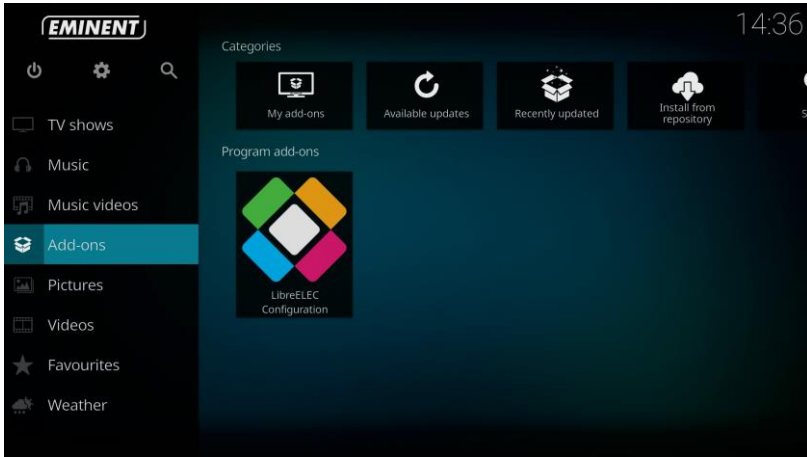
4. Select with the navigation buttons **"Add-ons"** and press **"My Add-ons".** The following screen will appear:
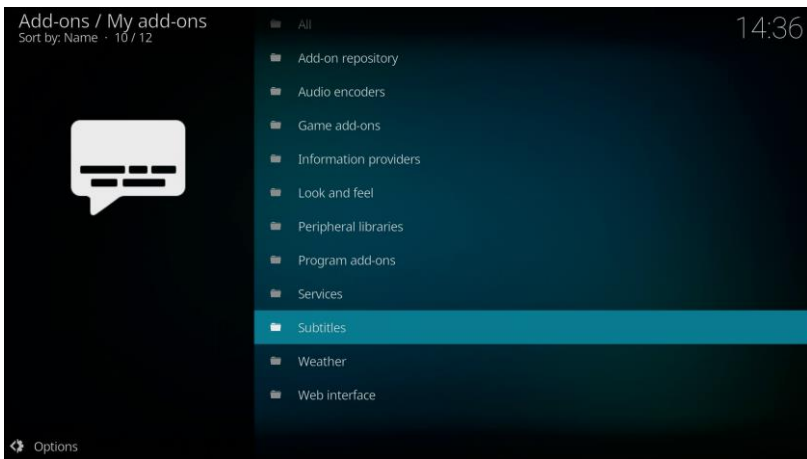
5. Select **"Subtitles"** and press the **"OK"** button on you remote control. The following screen will appear:
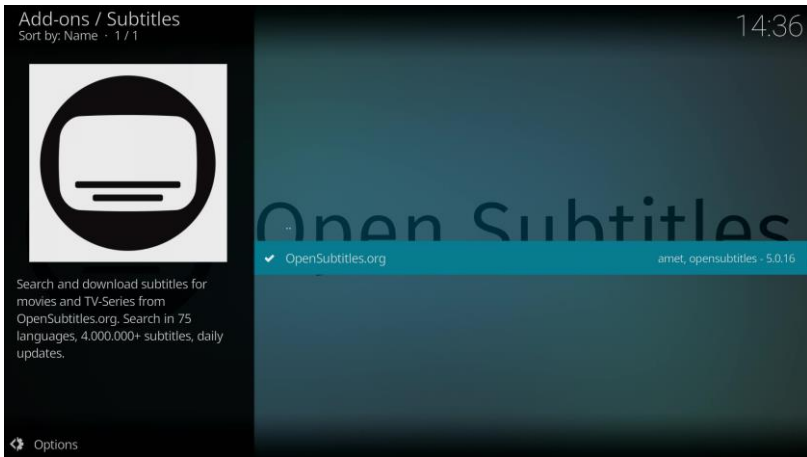
6.   Select **"Opensubtitles.org"** and press the **"OK"** button on your remote control.
     The following screen will appear:

7.   Choose **"Configure"**:
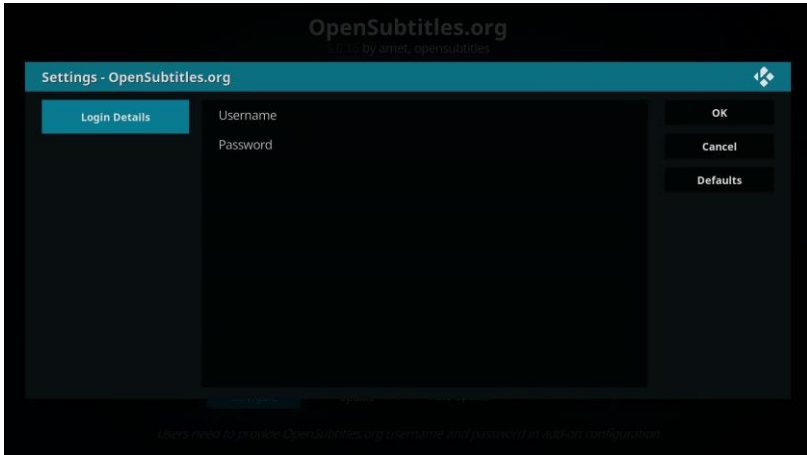
8. A screen opens where you can fill out the credentials for your Opensubtitles.org account. After filling gout your credentials, press the "**OK**" button.
9. You are now able to use the Opensubtitles.org services and download subtitles.

13.0 Extra features

LibreELEC Kodi has many more features to offer. For example adding or changing the skin appearance in Kodi, adding streaming video add-ons and even control your TV streamer by using your 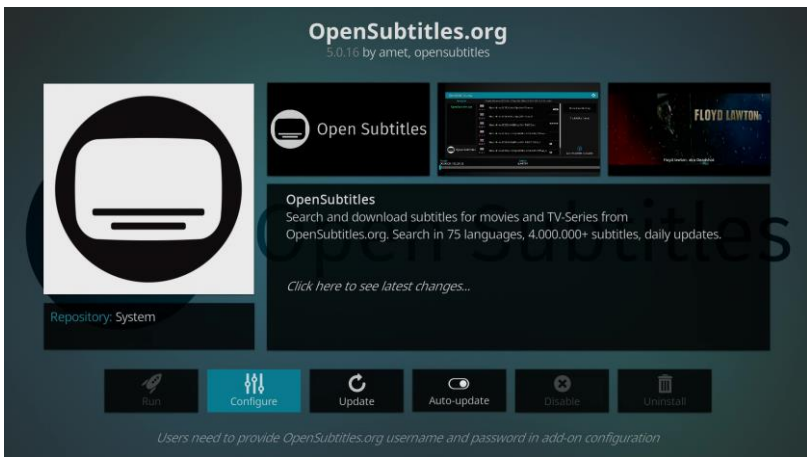smartphone or tablet and many more is possible. For more information how to use all the features Kodi has to offer, please enter the following link into your web browser:

Kodi support please visit:
http://kodi.wiki

For LibreELEC support please visit:
http://wiki.LibreELEC.tv

14.0 How can I order spare parts?

You can for example request the remote control or the power adapter as a spare part. Easily fill out the spare part form below and we will send you the requested spare part to your home address.

https://www.eminent-online.com/spareparts

15.0 Frequently Asked Questions and other related information

The latest Frequently asked questions for your product can be found on the support page of your product. Eminent will update these pages frequently to assure you have the most recent information. Visit www.eminent-online.com for more information about your product.

16.0 Service and support

This user manual has been carefully written by Eminent's technical experts. If you have problems installing or using the product, please fill out the support form at the website www.eminent-online.com/support.

You can also contact us by phone. Please check www.eminent-online.com/support for the helpdesk phone number and opening hours.

17.0 Warning and points of attention

Due to laws, directives and regulations set out by the European parliament, some (wireless) devices could be subject to limitations concerning its use in certain European member states. In certain European member states the use of such devices could be prohibited. Contact your (local) government for more information about this limitations.

Always follow up the instructions in the manual*, especially where it concerns devices which need to be assembled.

Warning: In most cases this concerns an electronic device. Wrong/improper use may lead to (severe) injuries!

When you connect the device to the mains, make sure it will not be damaged or subject to (high) pressure.

A power socket is needed which should be close and easy accessible from the device.

Repairing of the device should be done by qualified Eminent staff. Never try to repair the device yourself. The warranty immediately voids when products have undergone self-repair and/or by misuse. For extended warranty conditions, please visit our website at www.eminent-online.com/warranty.

Dispose of the device appropriately. Please follow your countries regulation for the disposal of electronic goods.

Please check below safety points carefully:
- Do not apply external force on the cables
- Do not unplug the device by pulling the power cable
- Do not place the device near heating elements
- Do not let the device come in contact with water of other liquids
- If there is any strange sound, smoke or odor, remove the device immediately from the power outlet.
- Do not put any sharp objects into the venting hole of a product
- Do not use any damaged cables (risk of electric shock)
- Keep the product out of reach of children
- Wipe off the product with soft fabric, not water mop.
- Keep the power plug and outlet clean
- Do not unplug the device form the power outlet with wet hands
- Unplug the device when you don't use it for a long time
- Use the device at a well ventilated place

*Tip: Eminent manuals are written with great care. However, due to new technological developments it can happen that a printed manual does not longer contain the most recent information. If you are experiencing any problems with the printed manual or you cannot find what you are looking for, please always check our website www.eminent-online.com first for the newest updated manual.

Also, you will find frequently asked questions in the FAQ section. It is highly recommended to consult the FAQ section. Very often the answer to your questions will be found here.

18.0 Warranty conditions

The Eminent warranty applies to all Eminent products. After buying a second-hand Eminent product the remaining period of warranty is measured from the moment of purchase by the product's initial owner. Eminent warranty applies to all Eminent products and parts, indissolubly connected or mounted to the product it concerns. Power supply adapters, batteries, antennas and all other products not directly integrated in or connected to the main product or products of which, without reasonable doubt, can be assumed that wear and tear during use will show a different pattern than the main product, are not covered by the Eminent warranty. Products are not covered by the Eminent warranty when exposed to incorrect/improper use, external influences or when opening the service parts of the product by parties other than Eminent. Eminent may use refurbished materials for repair or replacement of your defective product. Eminent cannot be held responsible for changes in network settings by internet providers. We cannot guarantee that the Eminent networking product will keep working when settings are changed by the internet providers. Eminent cannot guarantee the working of web services, apps and other third party content that is available through Eminent products.

When my product gets defective
Should you encounter a product rendered defective for reasons other than described above: Please contact your point of purchase for taking care of your defective product.