



# A-500<sub>PRO</sub>

A Networked Media Jukebox for Music & Movie Lovers



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## 1. Introduction



Thank you for purchasing Popcorn Hour A-500 PRO, the Networked Media Jukebox specifically designed for music and movie lovers. Powered by Sigma Designs SoC and best in class ESS SABRE<sup>32</sup> Audio DAC, ES9018K2M, Popcorn Hour A-500 PRO is a versatile Networked Media Jukebox that could deliver astounding sound for music-listening and superior video quality for movie.

## 2. Package Content



Popcorn Hour A-500 PRO



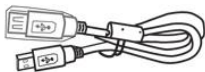
HDMI Cable



2 AAA Batteries



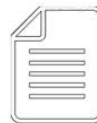
Remote Control



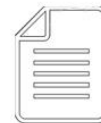
USB 3.0 Slave Cable



AC Power Adapter



Quick Start Guide



Warranty Card

### **3. Safety Notes**

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the applicable safety instructions listed below. Keep these operating instructions handy for future reference.

1. Keep these instructions.
2. Heed all warnings.
3. Do not use this device near water.
4. Clean only with a dry cloth.
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
7. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
8. Protect the power cord from being stepped on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
9. Only use attachments/accessories specified by the manufacturer.
10. Unplug this device during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

**WARNING:**

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE:

1. DO NOT EXPOSE THIS APPARATUS TO MOISTURE OF ANY TYPE AND ENSURE THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS CUPS OR VASES ARE PLACED ON THE APPARATUS.
2. ONLY USE RECOMMENDED ACCESSORIES.
3. DO NOT REMOVE THE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**CAUTION!**

DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.

#### 4. Technical Specifications

<b>Chipset</b>	Sigma Designs SMP8758
<b>CPU</b>	1.2GHz ARM Cortex A9 Dual Core
<b>Memory</b>	2048MB DDR3
<b>GPU</b>	Mali400 MP4 1600MPix/s
<b>Video Support</b>	M1V, M2V, M4V, M2P, MPG, VOB TS, TP, TRP, M2T, M2TS, MTS, AVI, ASF, WMV, MKV, 3DMKV, MKV MVC, 3D BD ISO, DVD ISO, MOV, MP4, RMP4, AVC, HEVC
<b>HEVC Decode</b>	Main Profile @L4.1, Main 10 Profile @L4.1
<b>Audio Support</b>	M4A, MP1, MP2, MP3, MPA, WAV, AIFF, WMA, FLAC, OGG, TTA, APE, AAC, DTS, *DSD (DSF & DFF), SACD ISO, ALAC, HD Audio Passthrough * up to DSD512
<b>Digital Audio</b>	Optical & Coaxial S/PDIF, HDMI (up to 192kHz Sampling Rate)
<b>Analog Audio</b>	Stereo, XLR, Headphones
<b>Analog Audio DAC</b>	ESS SABRE <sup>32</sup> Audio DAC, ES9018K2M
<b>Headphone Amplifier</b>	Texas Instruments LME496000
<b>Picture Support</b>	JPEG, BMP, PNG, GIF, TIFF
<b>HDMI Output (Max)</b>	3840 x 2160 30Hz
<b>Network</b>	10/100/1000Mbps
<b>Internal Hard Disk Dock</b>	Yes
<b>Android</b>	Yes
<b>Ports and Connections</b>	2 x USB 2.0 Host 1 x USB 3.0 Slave 1 x SD Card Reader IR Extender Port
<b>Dimensions</b>	Height : 57mm Length : 189mm Width : 220mm

## 5. Getting Started

### 5.1 Popcorn Hour A-500 PRO Overview

Front Rear



Back Rear



## 5.2 Connecting to TV via HDMI

What do you need:-



TV with HDMI Terminal



Popcorn Hour A-500 PRO



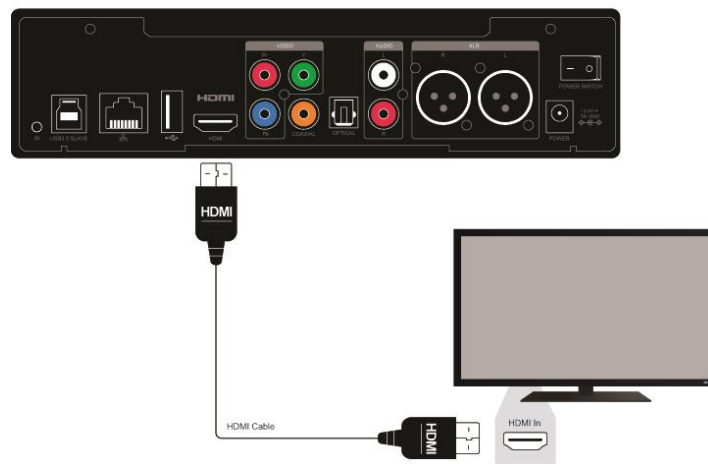
Power Supply



HDMI Cable

### Step 1

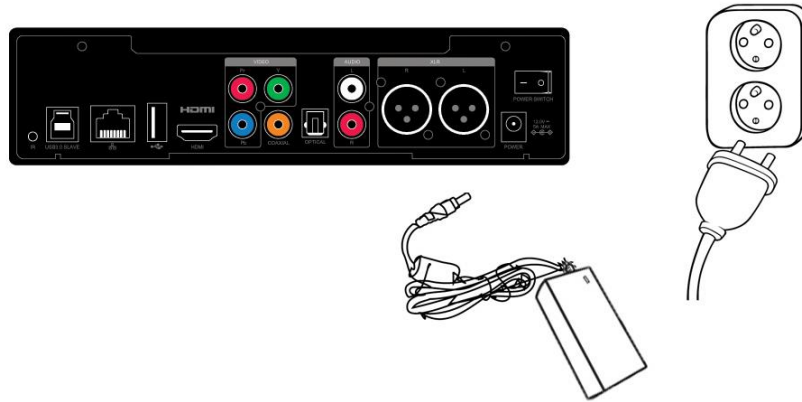
Connect the HDMI cable to your TV HDMI terminal and the other end to your Popcorn Hour A-500 PRO.



**Note:** Some HDMI TVs have input and output HDMI terminals. Please make sure the HDMI terminal is connected to input rather than output.

## Step 2

Connect the AC power cord to AC power adapter. Then plug the power cord into your wall socket and connect the power lead to Popcorn Hour A-500 PRO. Your Popcorn Hour A-500 PRO is booting up now, check your TV for further instructions.



## 5.3 Connecting TV via Component

What do you need:-



TV with Component Terminal



Popcorn Hour A-500 PRO



Power Supply

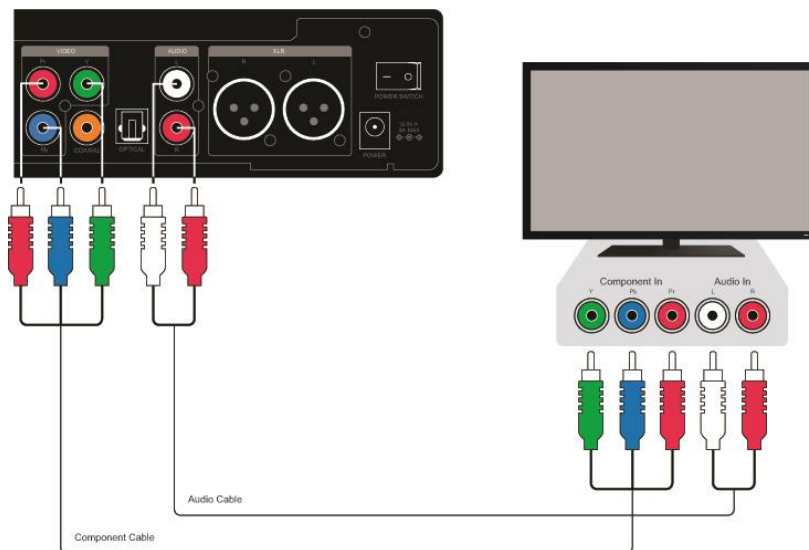


Component Cables  
(Not Included)

### Step 1

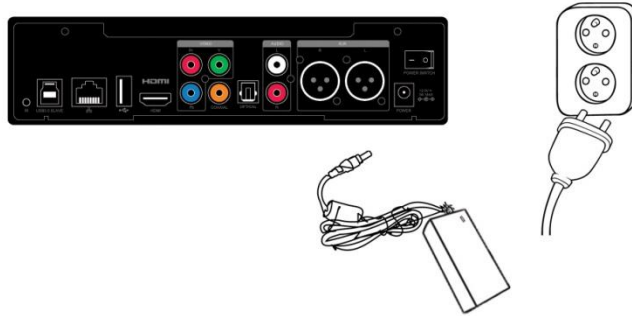
Connect the component cables to both the component terminals on the A-500 PRO and your TV by matching the green, blue and red video plugs and the red and white audio plugs to their coordinating terminals.

**Note:** If your component cables only include the green, blue and red plugs, you will need to use a set of composite cables to connect to the TV for audio. If doing so, you do not need to connect the yellow plug.




















## Step 2



Connect the AC power cord to AC power adapter. Then, plug the power cord into your wall socket and connect the power lead to Popcorn Hour A-500 PRO. Your Popcorn Hour A-500 PRO is booting up now, check you TV for further instructions.

## 6. Remote Control









POWER		<p><b>In STANDBY mode:</b> Press once to turn player ON.</p> <p><b>In ON mode:</b></p> <ol style="list-style-type: none"> <li>1. Press POWER once turn player in VIDEO OFF mode (video and audio are OFF, other player tasks still run).</li> <li>2. Press POWER – EJECT to soft reboot player.</li> <li>3. Press POWER – DELETE to turn player into STANDBY mode.</li> <li>4. Press POWER for about 5 seconds, until red LED begin flashes, to turn player into STANDBY mode.</li> </ol> <p><b>In VIDEO OFF mode:</b> Press once to turn player into VIDEO ON mode</p>
EJECT		Ejects the optical disc of a CD/DVD/BD-ROM drive, attached to player. Ends a media playback in Apps Market. Press POWER – EJECT to soft reboot player
TV MODE		Quick-access button to select TV output resolution
SETUP		Quick access to setup page. During video playback allow customization of the display output and settings of audio sync. Press SETUP – PLAY to unlock Settings after locking
SUSPEND		This button is reserved for future use
0-9 ALPHANUMERIC KEYPAD		Allows users to input alphanumeric values. During media playback, pressing a number on the keypad will skip to a certain percentage of the total playback time of the media file. For example, pressing 3 will skip to 30% of the media file and start the playback from there.
DELETE		To erase alphanumeric values during input. Press POWER – DELETE to turn player into STANDBY mode
CAPS/NUM		To switch between capitalized, numeric and non-capitalized letters during alphanumeric value input
A-B/HOME		Press HOME to return to main menu. In App/Apps Market, press to quit app or apps market. During playback, this button enables or disables Repeat A/B function.
FILE MODE		This button is reserved for future use
TIME SEEK		Allows you to time-seek the current selected media for a jump to a particular playback time. Data format hours: minutes: seconds = 00:00:00. Use numeric buttons to input the desired playback time
		Context sensitive. Refer to the legend on the bottom of the user interface
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		Context sensitive. Refer to the legend on the bottom of the user interface



RETURN		Return to previous menu
SOURCE		Returns to the Media Source screen. While viewing the images (listening audio files) allows to switch to the selections of images (audio files) and toggle between audio playback, photo slideshows and the menu screen mode
ENTER		Confirm selection. Start media playback of both single file and DVD/BD formats
D PAD		Navigate within the user interface Partial time seek during movie playback (LEFT and RIGHT directional keys only). Display File mode menu if available (LEFT and RIGHT directional keys only). While viewing the images shifts the screen into the direction buttons pressed, stopping the sequential play, if a slideshow
INFO		Bring up meta-data of selected media file. During playback displays the timeline bar and media file information.
STOP		Stop media playback and returns to the menu screen
PAGE UP / VOL+		Moves up a page on a list of media files. Increases the volume during media playback
PAGE DOWN / VOL -		Moves down a page on a list of media files. Decreases the volume during media playback
PLAY		Creates a temporary playlist of all files in the directory and start its playback. Resumes playlist playback after pause
PAUSE		Pause media playback
MUTE		Mutes the audio output
REV		Rewind the current media playback. Press again to toggle 1x, 2x, 4x and 8x rewinding
FWD		Fast-forward the current media playback. Press again to toggle 2x, 4x and 8x fast-forwarding
MENU		Bring up DVD menu during playback to allow playback customization. Opens menu in NMJ. During the slideshow bring up the settings menu, allowing to select the type of effects and the time interval of slide changes.
PREV		Skip backward within playlist. During video playback, skip to previous chapter if available.
NEXT		Skip forward within playlist. During video playback, skip to next chapter if available.
TITLE		Bring up Title menu where supported to change scene, audio language or subtitle.



REPEAT		<p>Repeat the current media playback.</p> <p>During music playback, this button offers three playback modes:</p> <p>Press once: Chosen song is played repeatedly.</p> <p>Press twice: Playback will restart at the top of the list once the final song on the list is done playing.</p> <p>Press thrice: Chosen songs are played in a shuffled order</p>
SLOW		<p>Slows down the current media playback.</p> <p>Toggle between 1/2, 1/4 and 1/8 speed playback</p>
ANGLE		<p>Switches the camera or viewing angle during DVD playback (only applicable for supported multi-angle DVD playback formats).</p> <p>Switches the PMT for TS with multiple-PMT support</p>
AUDIO		<p>Cycle through audio tracks during video playback.</p> <p>In background music mode (for example, during slideshow) bring up the audio player control menu</p>
SUBTITLE		<p>Turns ON the subtitles and toggles through its options (if available with your video playback). Use AUTO for color and subtitle tags will be observed for ASS/SSA anime type subtitles.</p> <p>More functions of the Subtitle button:</p> <p>Press once for timing offset. Use the LEFT / RIGHT D-Pad buttons to set the timing offset.</p> <p>Press twice to display the language used. Use the LEFT / RIGHT D-Pad buttons to toggle between languages or turn subtitles OFF.</p> <p>Press three times to change the color of the subtitles. Use the LEFT / RIGHT D-Pad buttons to change the colors.</p> <p>Press four times to display the subtitle size. Use the LEFT / RIGHT D-Pad buttons to change the size.</p> <p>Press five times to change subtitle position. Use the LEFT / RIGHT D-Pad buttons to lower/raise the subtitle position on the screen.</p> <p>Press the Subtitle button on the Media Source screen to display the time</p> <p>Available options vary according to subtitle type.</p>
ZOOM		<p>Toggles between the available viewing options.</p> <p>During single file playback, the Zoom button functions:</p> <p>Press once and use the LEFT / RIGHT D-Pad button to toggle between Actual Size, Fit To Screen, Crop or Full Screen.</p> <p>Press twice to Magnify the screen size. Use the LEFT / RIGHT D-Pad buttons to reduce or enlarge by 1% increments.</p> <p>Press three times to Pan / Scan. Use the D-Pad buttons to move the display screen on the X-axis/Y-axis.</p> <p>During DVD Playback:</p> <p>During playback of a DVD / BR / ISO file, press Zoom once, then use LEFT / RIGHT D-Pad buttons to zoom in/out.</p> <p>Pressing ZOOM button the NMT browser allows to increase the screen area by 50% or 100%, which improves the readability of text on the screen at a large distance to the TV</p>

## 7. Introduction to Home Menu

The HOME screen is the main hub for accessing content from a local source (USB or internal hard drive), a network share or from the apps market. You can also view the current time and weather.



### Weather Forecast

Know the weather without leaving the comfort of your couch

### Time and Date

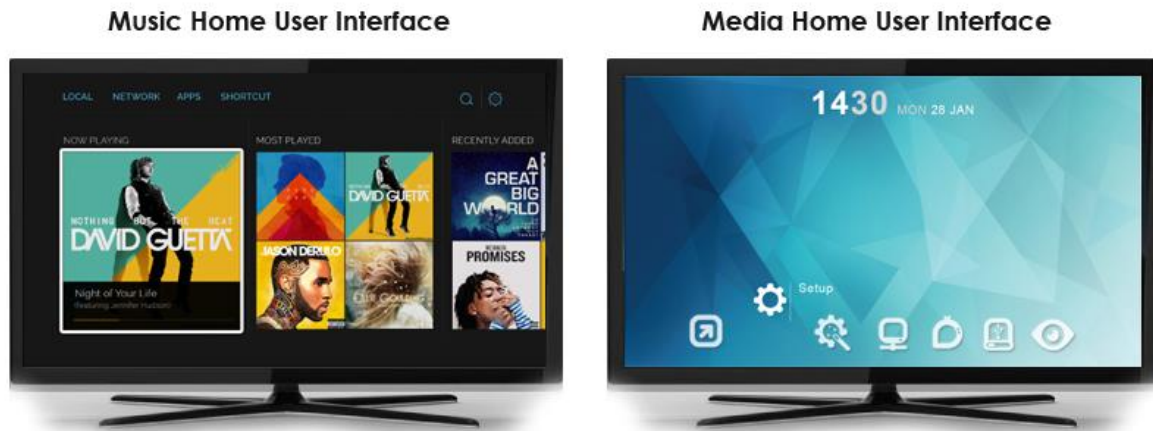
Current Time and Date

### Menu Bar

<b>Apps Market</b>	Free and premium on-demand video, social networking and game apps
<b>Local Media</b>	Access your internal hard drive and connected USB storage devices
<b>Setup Wizard</b>	Launch the setup wizard to go through initial setup
<b>Setup</b>	Access advanced settings such as audio/video outputs, subtitle languages, parental control and more
<b>Network</b>	Browse your local area network for your shared folders that contain your digital media files
<b>Recently Played</b>	Quick access to your recently played media
<b>Customized Front Page</b>	Please refer to page 42

## 7.1 Switching Home User Interface

Adding a whole new dimension to home interface, you can now choose your preferred home menu to either Music Home or Media Home:



By using your remote control, navigate to:

**Setup > Preferences > Home Launcher > Media Home / Music Home**

For navigation in Music Home, please refer to page 103

## 7.2 Switching to Android OS

You can also choose your preferred Operating System to either Networked Media Jukebox (NMJ) or Android by clicking on the switch behind the A-500 PRO device. Please see page 127

**Note:** Kindly switch your device off before switching your OS (to either NMJ or Android).





## 8. Quick Setup Wizard

### 8.1 Setup via Wired Connection

Setting up your Popcorn Hour A-500 PRO using the setup wizard is vital for proper operation of the media player. For advance users, you may skip to Chapter 9.

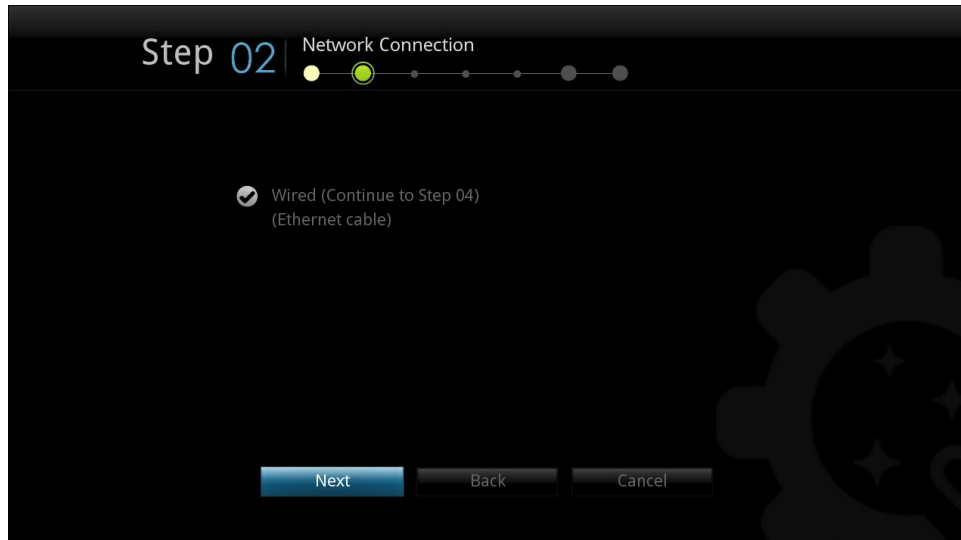


Using your remote control, navigate the Setup Wizard icon and press ENTER.



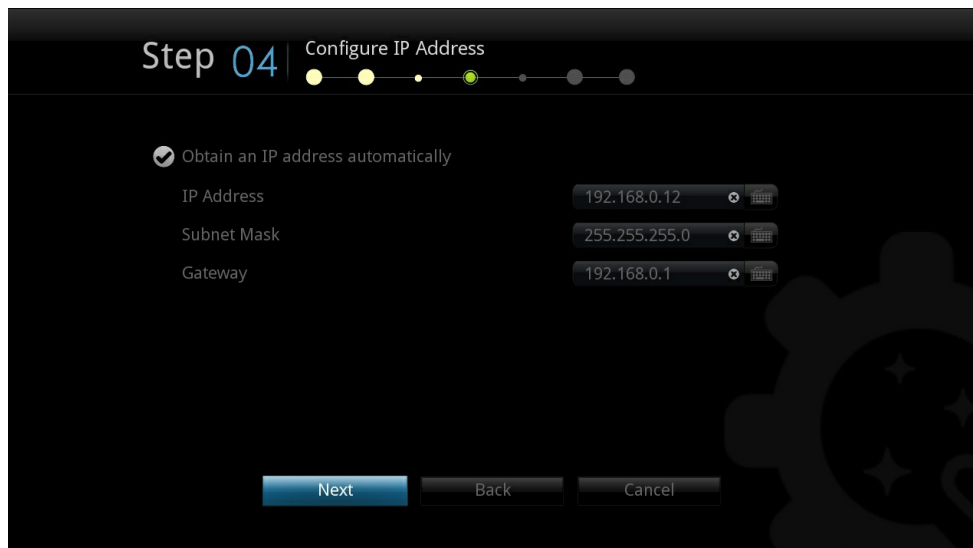
Choose your desired language for the user interface. Proceed to the next step by pressing NEXT button.

**Note:** This does not affect subtitle language.



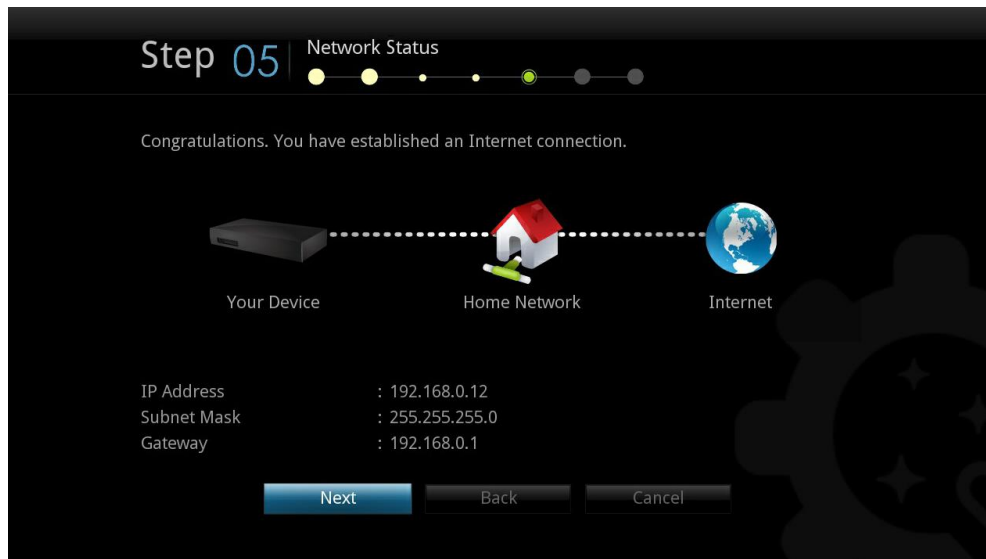
Choose your network connection type according to your setup and press the NEXT button to continue.

1. Wired (Ethernet Cable)
2. Wireless (Optional wireless dongle needed)

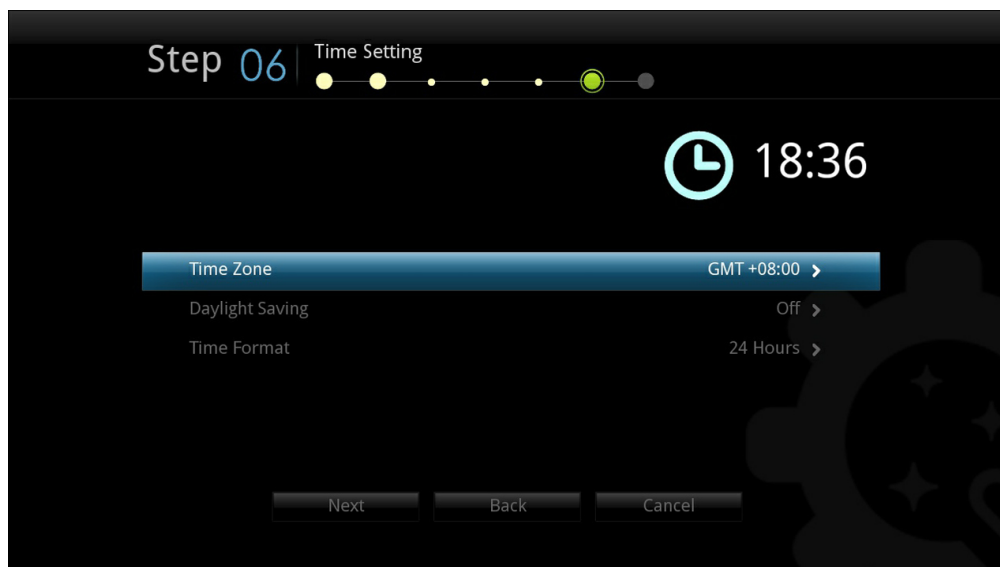


**DHCP connection only:** Confirm the IP information and click NEXT to proceed.

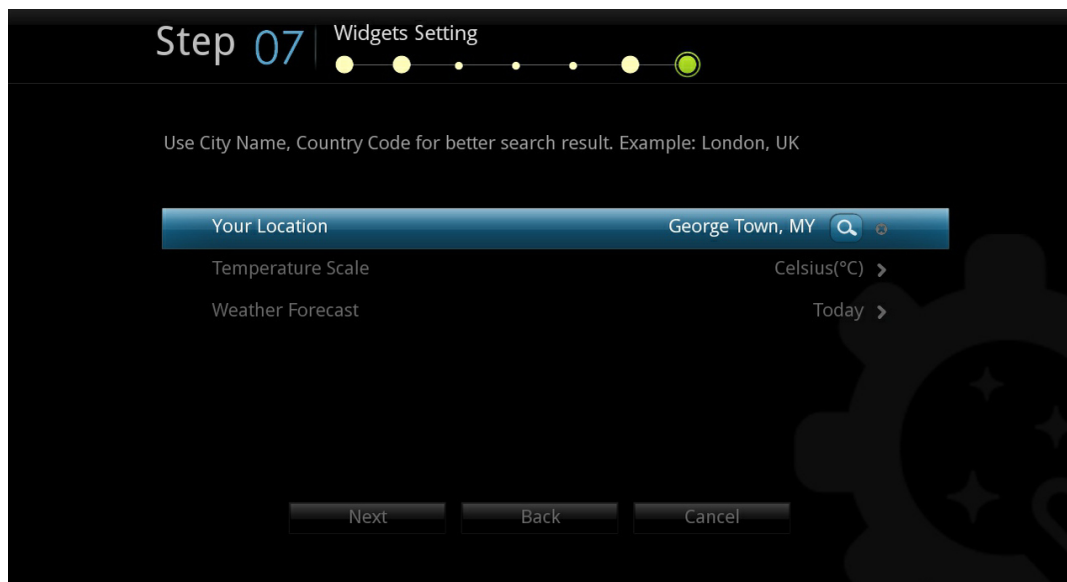




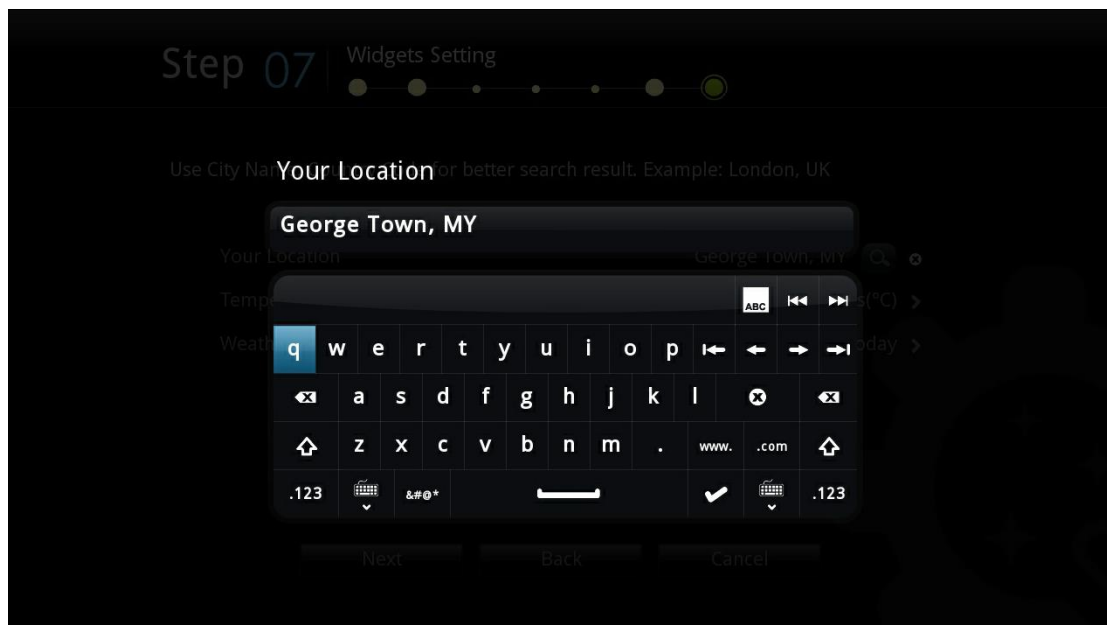
**Internet connection established:** Click on NEXT to proceed.



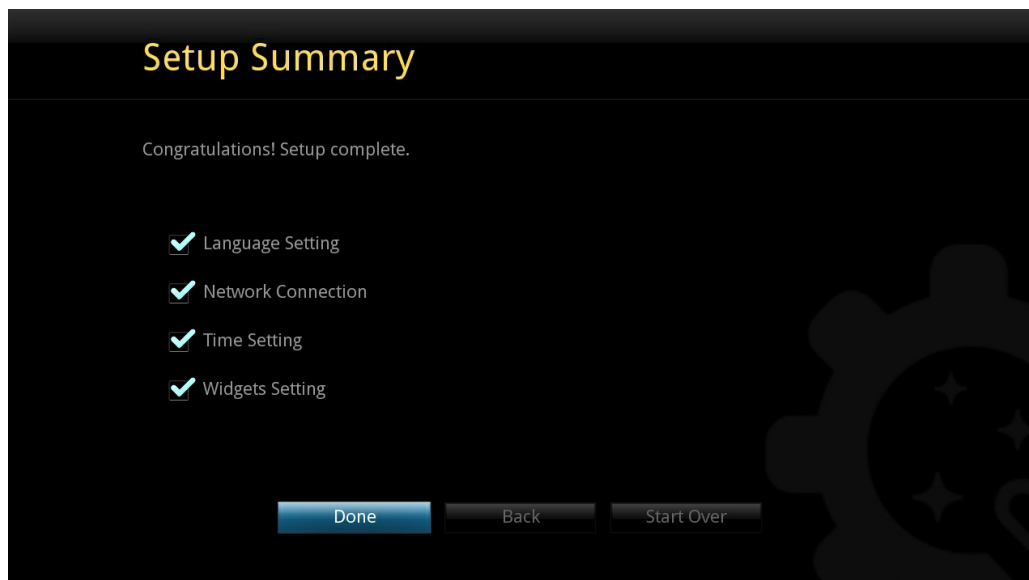
**IMPORTANT:** Please choose your time zone correctly according to where you live. This affects online application. Click on NEXT to proceed.



Weather Forecast Widget: Display weather forecast information on the main user interface.



Type your location correctly for an accurate weather information forecast.



Your setup is complete. Press the DONE button to finish and return to the HOME menu.

## 8.2 Setup via Wireless Connection

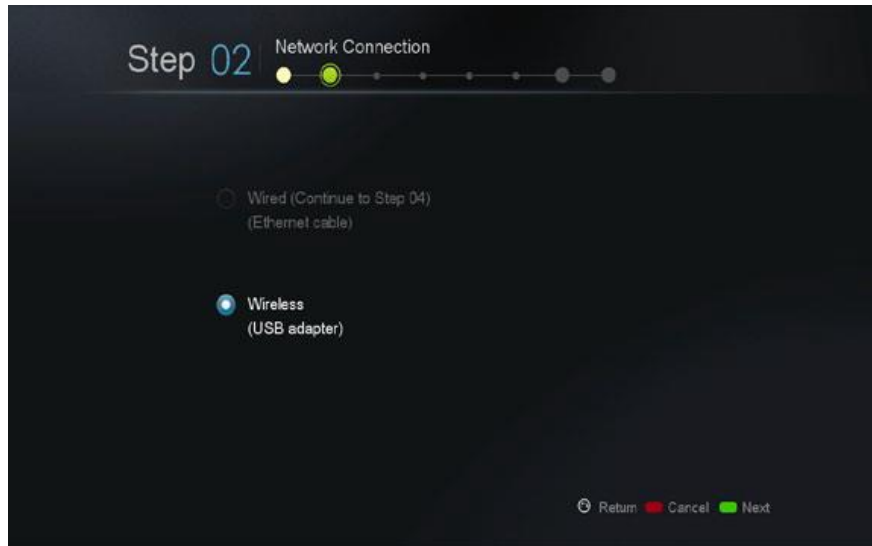


Using your remote control, navigate to the Setup Wizard icon and press ENTER.



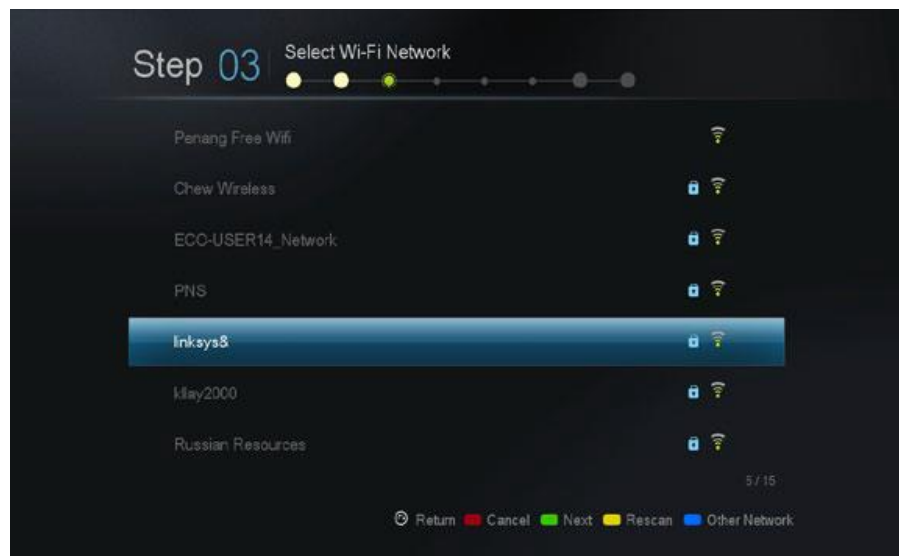
Choose your desired language for the user interface. Proceed to next step by pressing the GREEN button.

**Note:** This does not affect subtitle language.

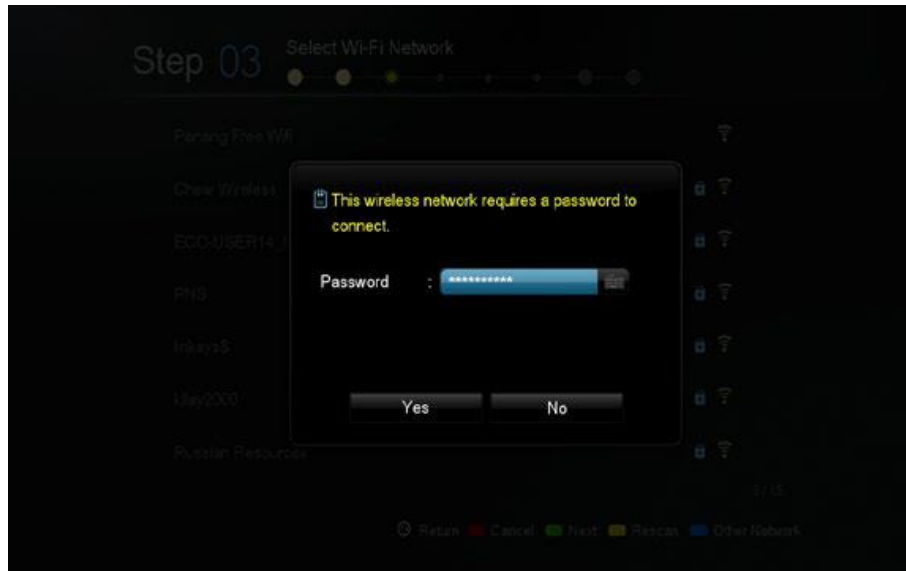


Choose your network connection type according to your setup and press the GREEN button to continue.

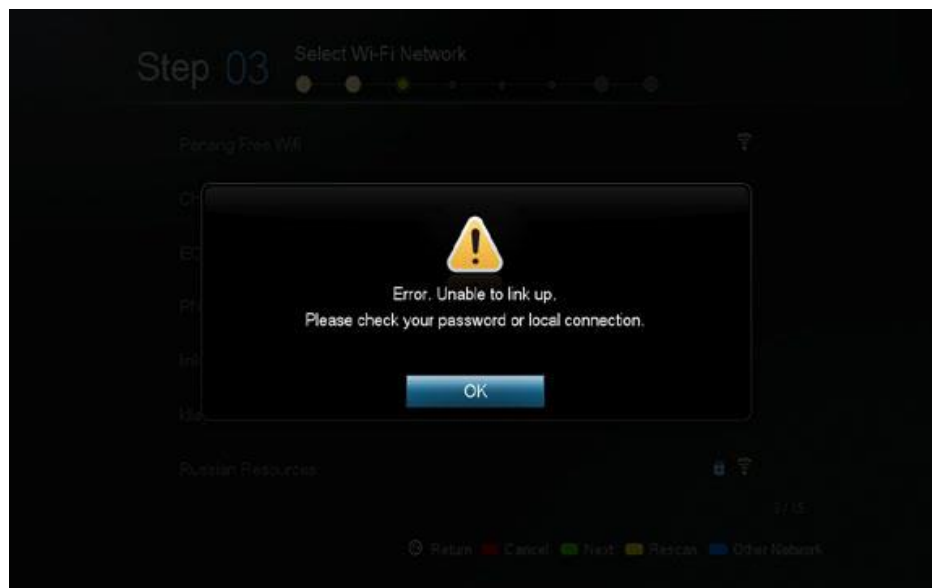
1. Wired (Ethernet cable).
2. Wireless (optional wireless dongle needed).



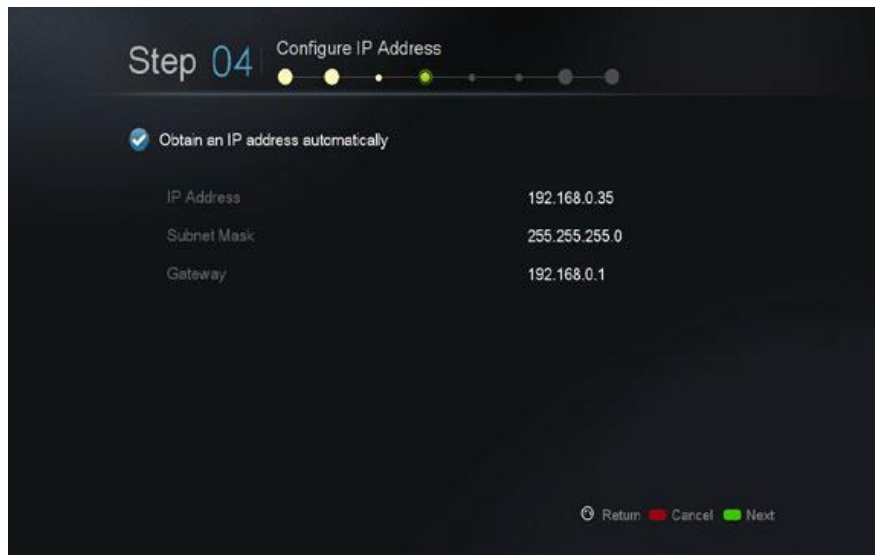
**For wireless connection only:** Select your SSID listed and proceed.



**For wireless connection only:** Enter your Wi-Fi password for your router.



**For wireless connection only:** If your password is wrong, an error message will be displayed. Please check your password and re-enter it.



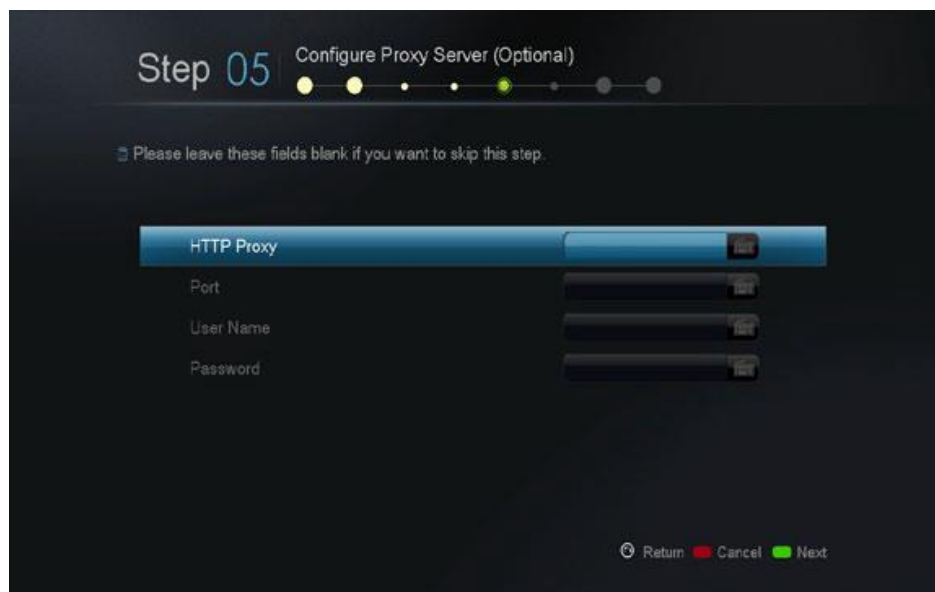
Step 04 | Configure IP Address

☒ Obtain an IP address automatically

IP Address	192.168.0.35
Subnet Mask	255.255.255.0
Gateway	192.168.0.1

Return Cancel Next

Review your IP settings and press the GREEN button to continue.



Step 05 | Configure Proxy Server (Optional)

☐ Please leave these fields blank if you want to skip this step.

HTTP Proxy	<input type="text"/>
Port	<input type="text"/>
User Name	<input type="text"/>
Password	<input type="text"/>

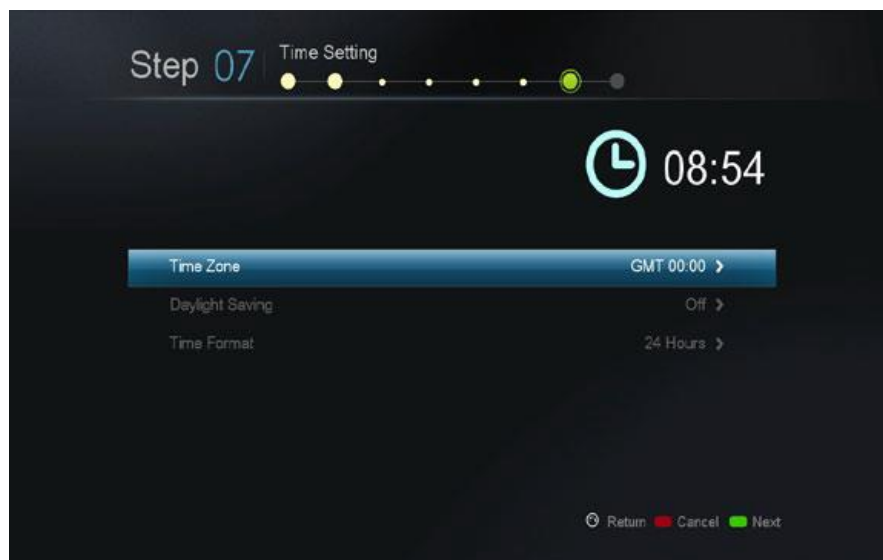
Return Cancel Next

**Optional:** If you do not have a proxy server on your network, you may proceed to next step.



Verify your Internet and network connection. If you received the congratulations prompt, your network setup is complete.

Otherwise, please press the RETURN button to go back and check your settings again.



Choose your time-zone and daylight savings setting. This will affect system timing and the time is reflected on your home screen.

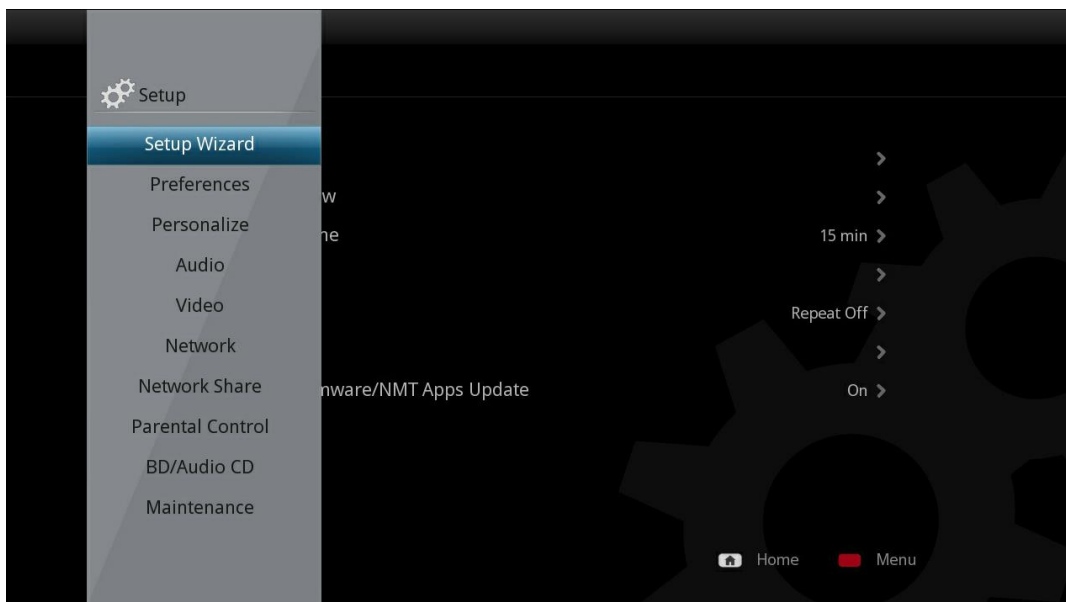




Your setup is complete. Press the GREEN button to finish and return to the HOME menu.

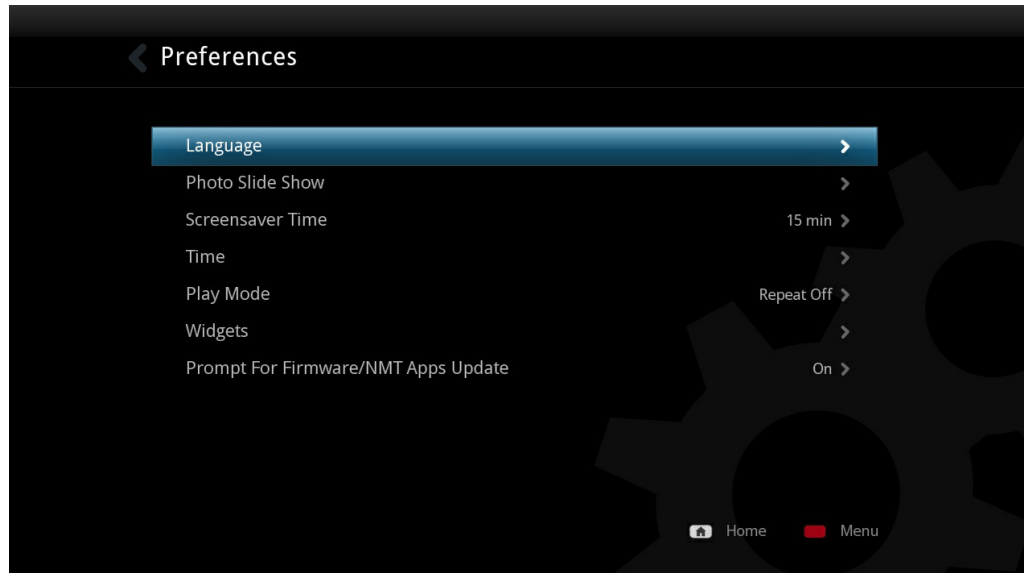
## 9. Setup

Advanced settings such as video/audio output, color-space, subtitle languages, and parental controls can be setup here.



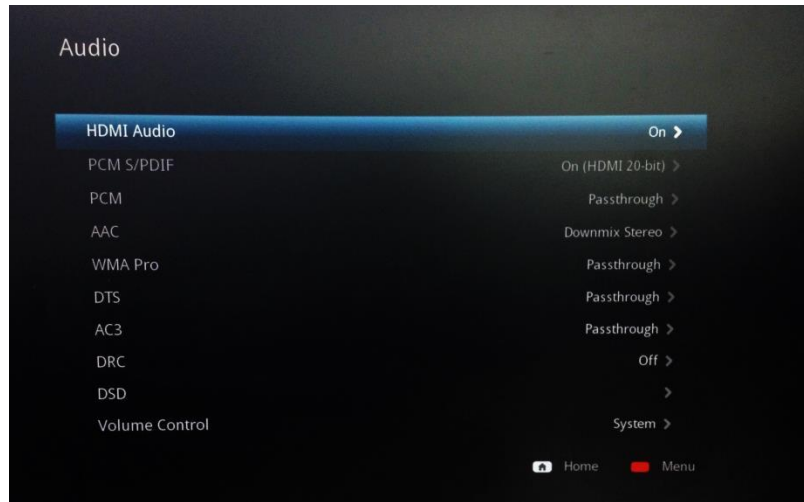
**Note:** If you have completed the setup wizard steps, the corresponding settings can be found and update here.

## 9.1 Preferences



<b>Language</b>	Choose display language for the user interface and subtitle language
<b>Photo Slide Show</b>	Transition setting for photo slideshows and determines how long each photo will remain on screen during a slideshow
<b>Screensaver Time</b>	Set the amount of idle time required before the screensaver turns on
<b>Time</b>	Adjust system time and date
<b>Play Mode</b>	Configure repeat option to none, repeat, or repeat all for media playback
<b>Widgets</b>	Configure your location and other settings for the weather widget
<b>Prompt for firmware update</b>	System automatically checks for firmware updates online

## 9.2 Audio Codec



### HDMI Audio

<b>ON</b>	Enable audio signal output from HDMI cable connection
<b>OFF</b>	Disable audio signal output from HDMI cable connection

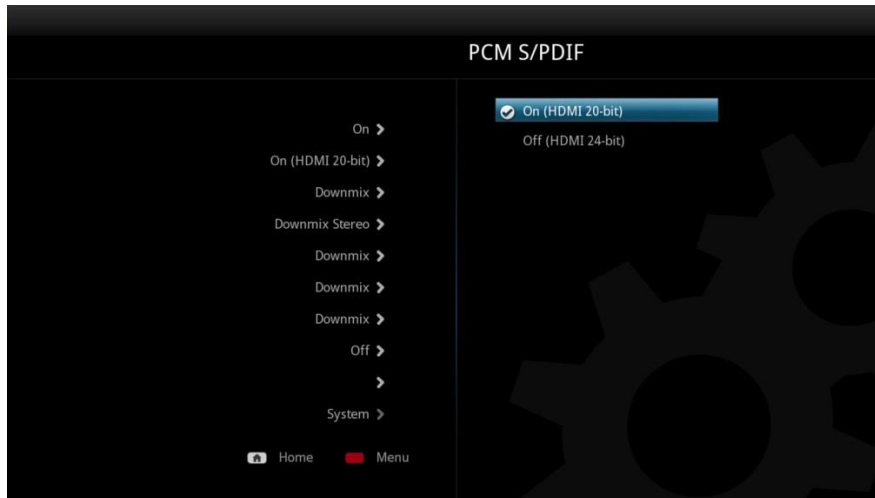
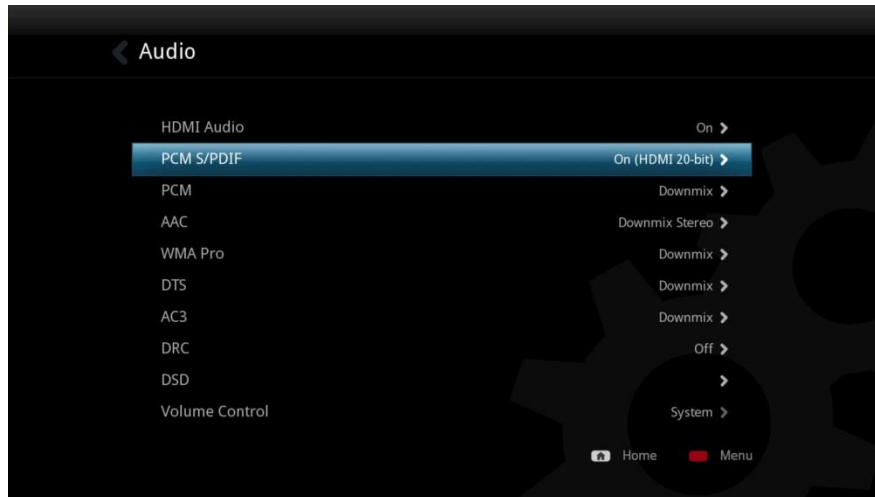
### Audio Codec

Adjust how the media player handles each audio codec to match your entertainment system's capabilities. Only select Passthrough if your external decoder is capable of decoding the audio signal.

Audio Codec	Options
<b>PCM</b>	Downmix or Passthrough
<b>AAC</b>	Downmix, Passthrough or decoded multi-channel
<b>WMA Pro</b>	Downmix or Passthrough
<b>DTS</b>	Downmix or Passthrough
<b>AC3</b>	Downmix (only applicable for non-US version) or Passthrough

**Note:** If you are connecting directly to your TV without going through an external decoder such as AVR, please choose Downmix for the media player to handle all audio decoding

## PCM S/PDIF



### **ON (HDMI 20-bit)**

Output PCM to S/PDIF and HDMI simultaneously. Due to S/PDIF has limitation and only can process up to 20-bit PCM, turn on this will also cause HDMI to output PCM as 20-bit

### **OFF (HDMI 24-bit)**

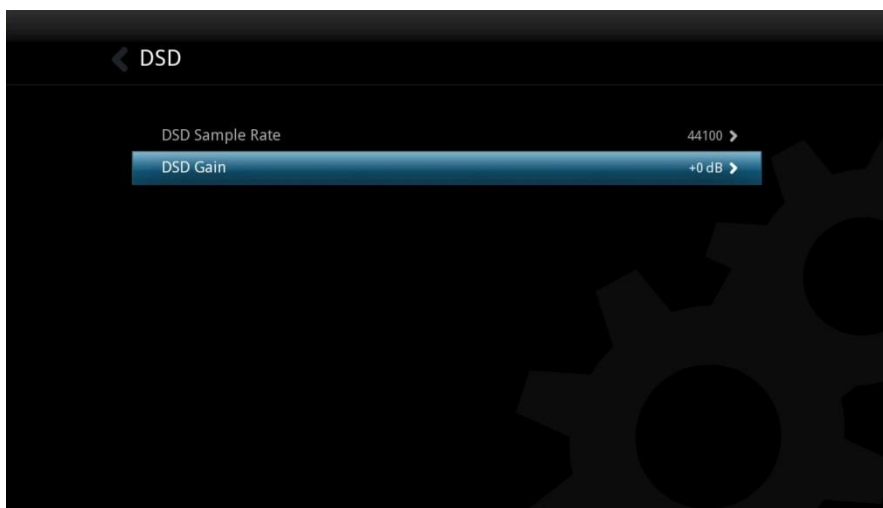
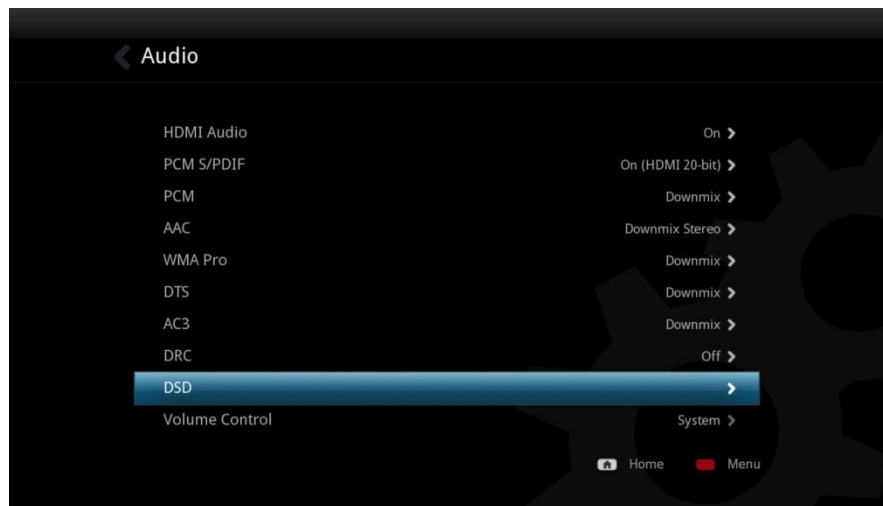
Turn off S/PDIF PCM output. This will allow HDMI to output 24-bit PCM

## DSD

<b>DSD Sample Rate</b>	44100 or 176400
------------------------	-----------------

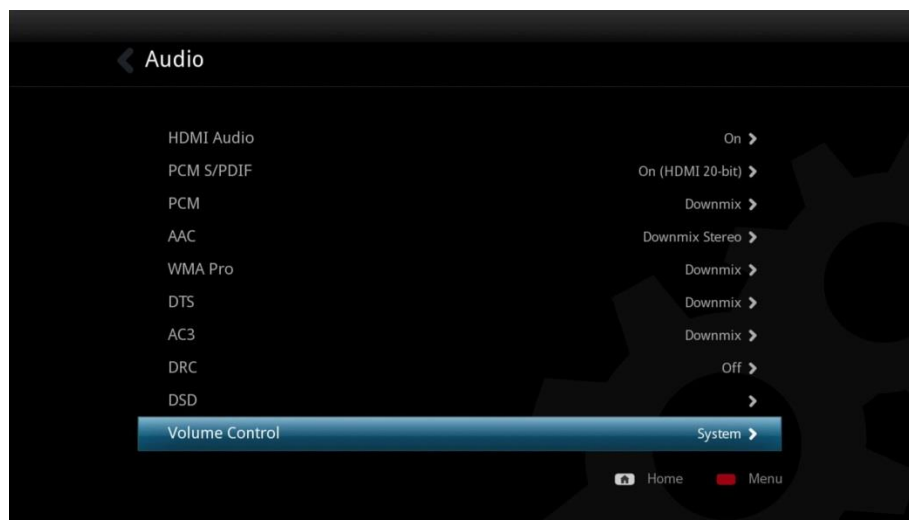
<b>DSD Gain</b>	<p>This option is for advance users and normal user should keep the value to 0 dB.</p> <p>Setting this values to &gt; 0 dB might cause clipping when playback some of the DSD files.</p> <p>When doing DSD to PCM conversion, the PCM output will be 6dB lower than original source and this setting will try to compensate that</p>
-----------------	--

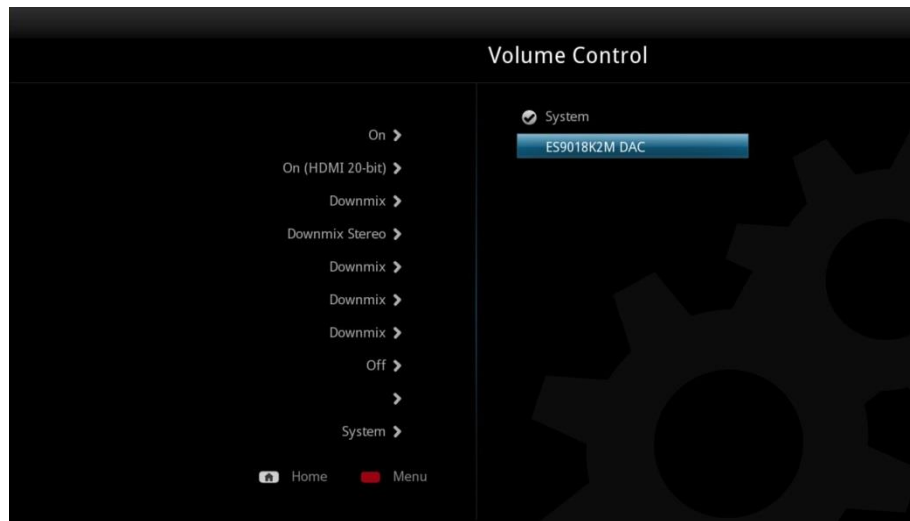
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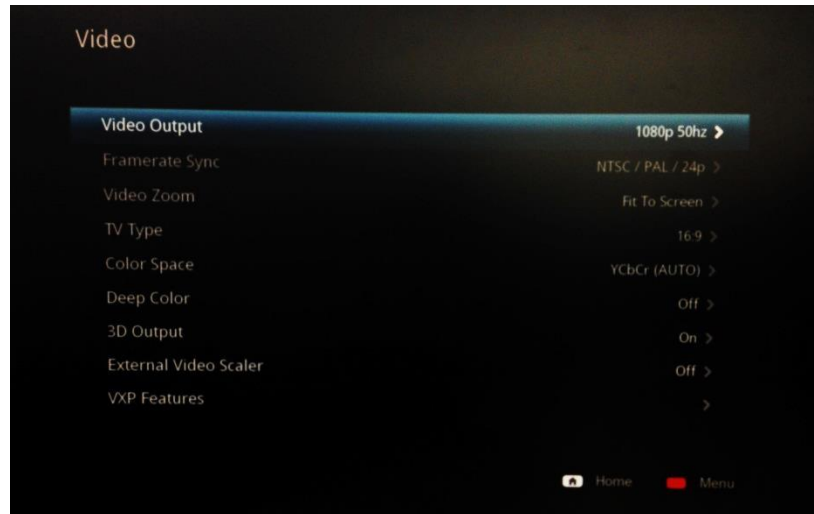
## Volume Control





<b>System</b>	This option will map the volume control to system volume which when adjusted during playback will affect HDMI, Coaxial, Optical S/PDIF, Audio/XLR/RCA/Headphone output
<b>ES9018K2M</b>	This option will map the volume control to ES9018K2M DAC which when adjusted during playback only will affect XLR/RCA/Headphone output

## 9.3 Video



### Video Output

It's highly recommended that you set the video output according to the specification of your TV. Please check your TV specifications before setting the video resolution.

<b>AUTO</b>	System automatically selects the most suitable video resolution for your display (Should only be used for initial setup)
<b>High Definition Mode</b>	720p/50Hz, 720p/60Hz, 1080i/50Hz, 1080i/60Hz, 1080p/50Hz, 1080p/60Hz
<b>1080p/24Hz Mode</b>	1080p displayed at 24 frames per second; only applicable on 78Hz, 120Hz, and 240Hz TVs
<b>Ultra-High Definition Mode</b>	4K/24Hz, 4K/25Hz, 4K/30Hz (Only applicable for UHD capable TV)

***Tip:** A list of some common output resolutions and their quick-access with remote control buttons see below:*

Quick-Access Button	Video Resolution
<b>TV Mode + RED</b>	Auto (default)
<b>TV Mode + GREEN</b>	720p 60Hz
<b>TV Mode + YELLOW</b>	1080p 50Hz
<b>TV Mode + BLUE</b>	4K 30Hz



## Framerate Sync

Reduce video jitter by selecting the correct framerate sync according to your TV specification.

If your TV is a NTSC TV then do not set PAL in framerate sync. Only set 24p if you have checked your TV specification and it can display at 24p.

## Video Zoom

Setup how you like the media player to handle your video zoom level.

<b>Actual Size</b>	Disable Video Zooming
<b>Fit to screen</b>	Video fills as much of the screen as possible without being cropped or changing the aspect ratio



<b>Crop</b>	Video fills as much of the screen as possible by cropping portions of the video
-------------	---



<b>Full Screen</b>	Video fills as much of the screen as possible by stretching the image. Nothing is cropped but the aspect ratio is not maintained
--------------------	--



## TV Type

Setup your TV or display aspect ratio

<b>4:3</b>	Typically for older TV sets using CRT technology and 4:3 computer displays
<b>16:9</b>	Most High Definition TVs such as LCD and plasma as well as HD projectors use 16:9

## Color Space

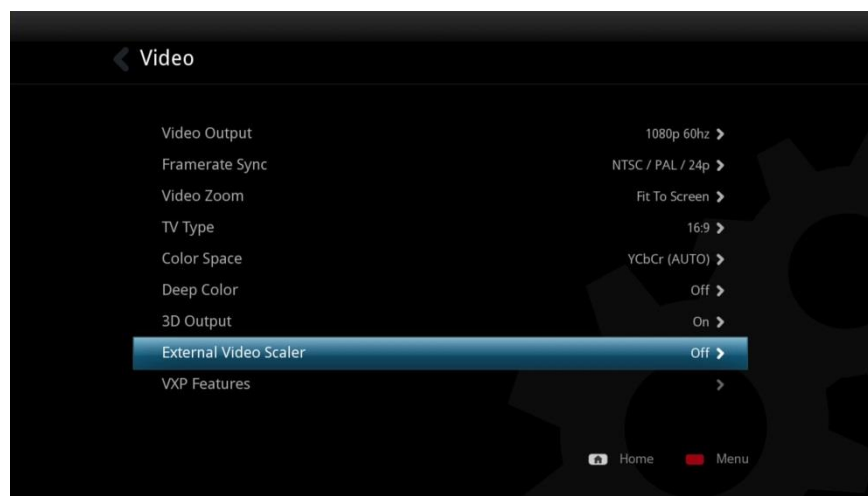
Define color space adjustment according to your TV specification.

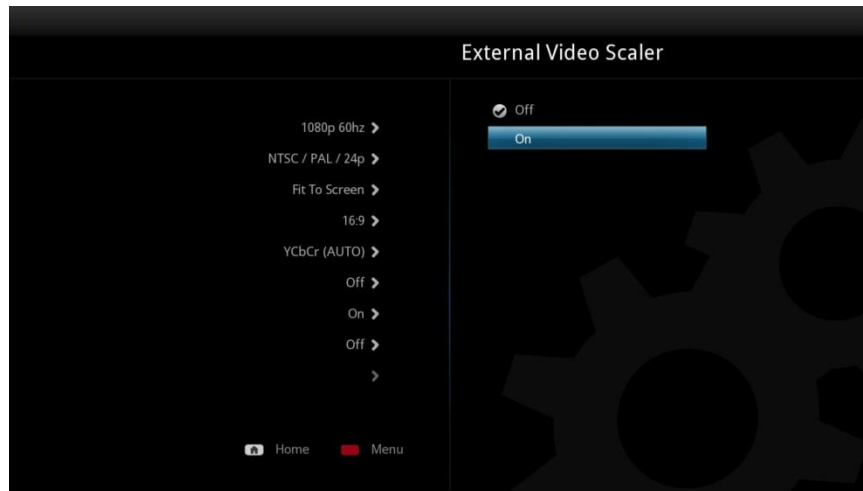
Select Auto if your TV can display both SD and HD.

## 3D Output

If you do not have a 3D enabled TV, you may turn this option off.

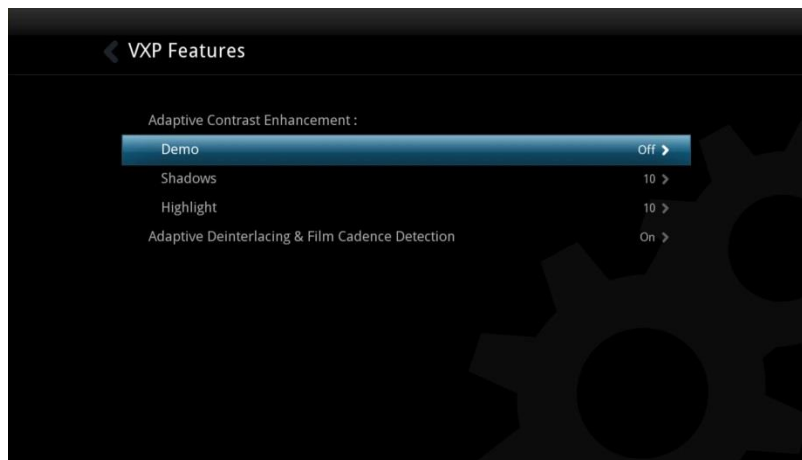
## External Video Scaler





<b>On</b>	Turn on this will let the external video scaler or TV to do the video scaling. For example, playback 720P video will output to HDMI 720P
<b>Off</b>	Turn off this will let the A-500 PRO scale up the video to users' HDMI output setting. For example, playback 720P video will output to HDMI 1080P if user set their HDMI output to 1080P

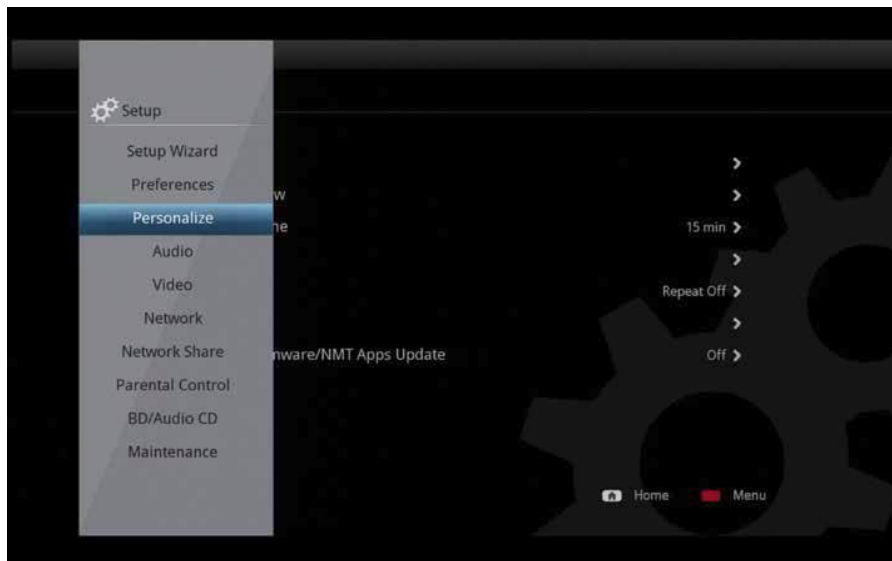
## VXP Features



<b>Demo</b>	<p>This option allows you to test drive the enhancement by splitting the screen into half.</p> <p>Off</p> <p>Left : Enhance Right : Original</p> <p>Right : Enhance Left : Original</p>
-------------	---

<b>Shadows</b>	Tune the levels of shadows in your video
<b>Highlight</b>	Tune the levels of highlight in your video
<b>Adaptive Deinterlacing &amp; Film Cadence Detection</b>	ON or OFF

## 9.4 Customizing Home Page

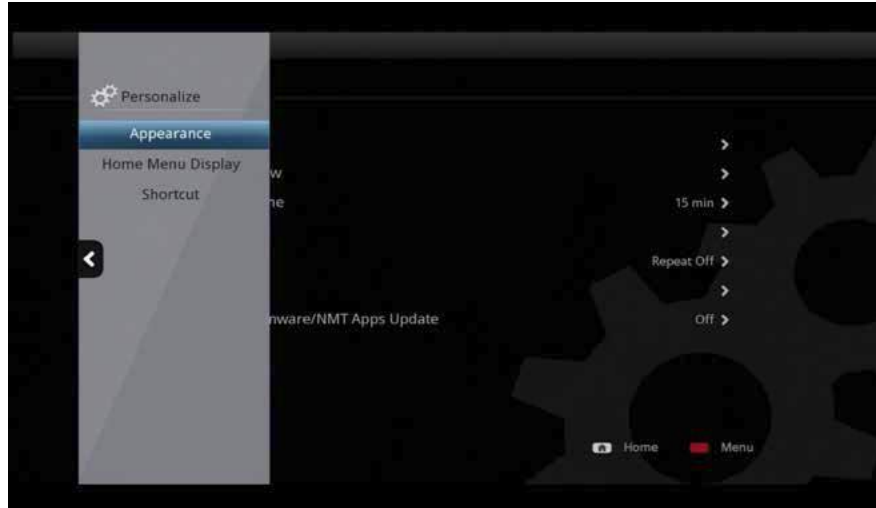


The A-500 PRO now comes pre-loaded with the advance active user interface.

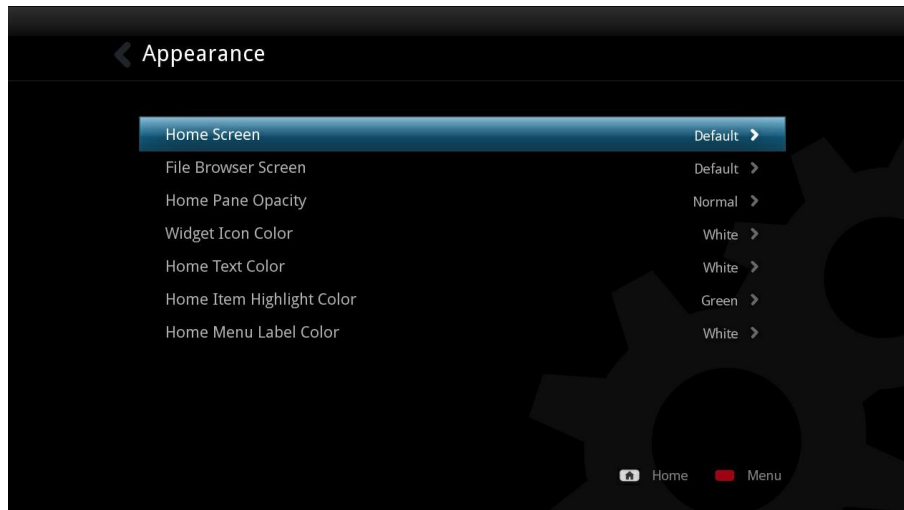
You can now do the following:

- Create your own shortcuts on the home screen for fast access to your favorite folder, apps or jukebox.
- Disabling unwanted icons at home screen
- Shortcut to recently played videos
- Customize wall-paper on file browser or home page

### 9.4.1 Appearance



<b>Appearance</b>	Update the default wallpaper on home page or file browser
<b>Home Menu Display</b>	Enable or disable default icons on home page
<b>Shortcut</b>	Edit list of shortcut created



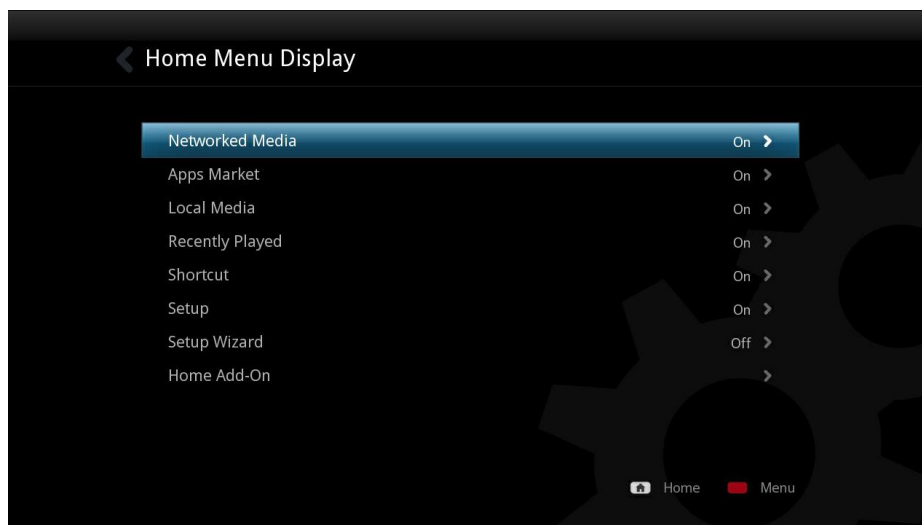
#### Home Screen

<b>Default</b>	Default Popcorn Hour Active Interface (rotates according to time or weather of the day)
<b>Customized</b>	Select a wallpaper of your choice and replace the default wallpaper <i>* Image dimension must be 1280x720. Max file size 1MB.</i>

## File Browser Screen

<b>Default</b>	Default PopcornHour black file-list background
<b>Customized</b>	Select a wallpaper of your choice and replace the default wallpaper <i>*Image dimension must be 1280x720. Max file size 1MB.</i>

### 9.4.2 Home Menu Display

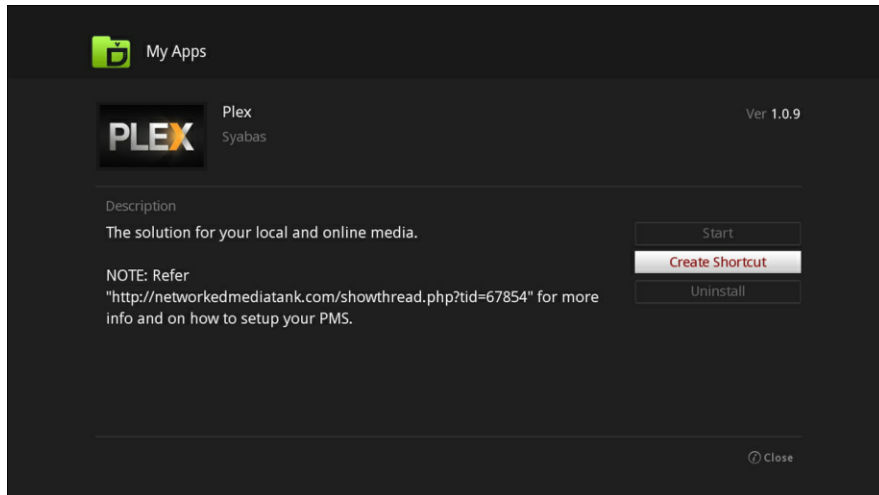


Enable or disable default icons on the home page.

### 9.4.3 Creating Shortcuts

The A-500 PRO now supports quick shortcuts to your favorite folders, jukebox and apps. Shortcut is available for:

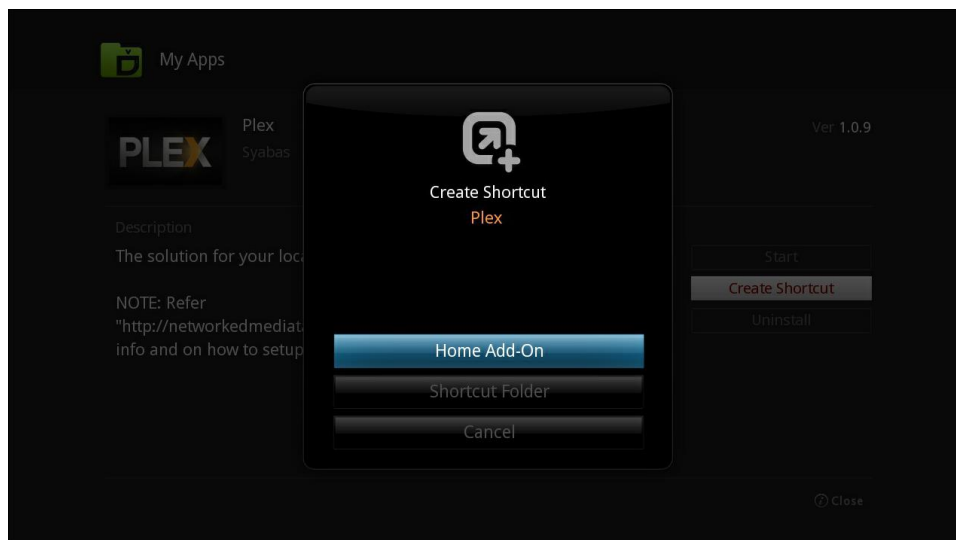
1. Apps from apps market
2. Share folder in NETWORK
3. Local drives in local media
4. Jukebox



## APPS Shortcut

In apps market, navigate to your favorite app. Press the “I” button to bring up this menu.

1. Click OK on Create Shortcut
2. Choose where you want the shortcut to appear

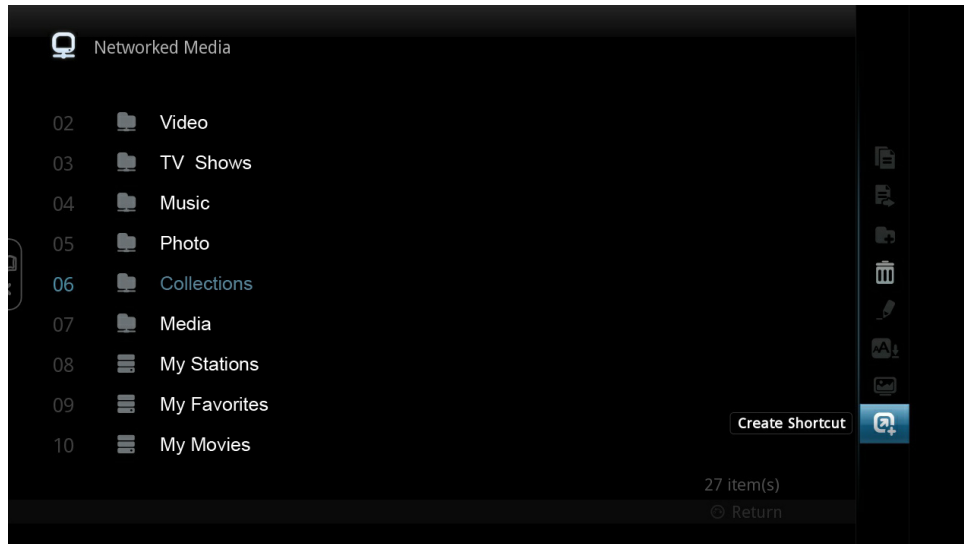


## Home Add-On

Appear as an individual icon on your home page.

## Shortcut Folder

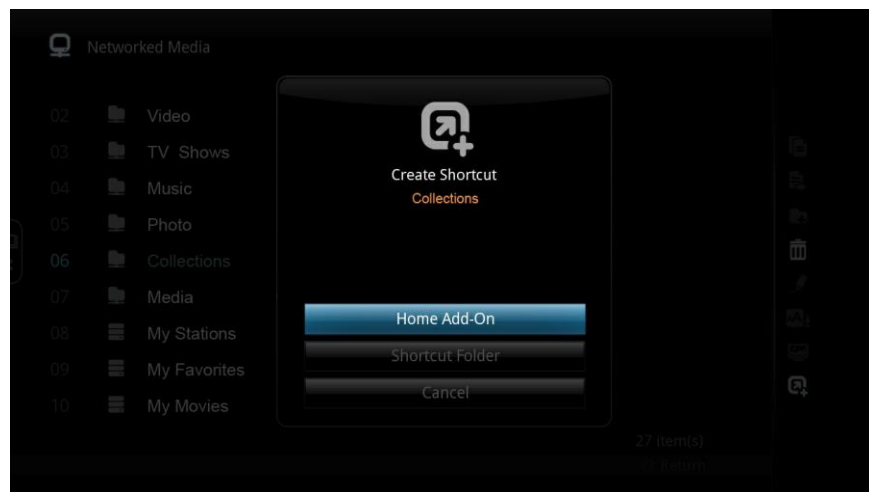
Add to the shortcut folder on home page.



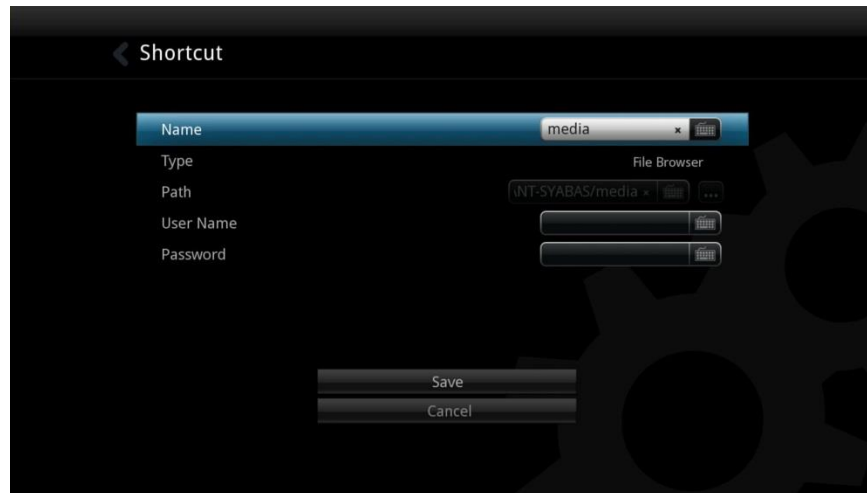
### Share Folder Shortcut

In file-browser mode, press RIGHT arrow on the remote to bring up the shortcut menu.

1. Navigate to the shortcut icon and Click OK.
2. Choose where you want the shortcut to be and you can now set username and password to access your file.





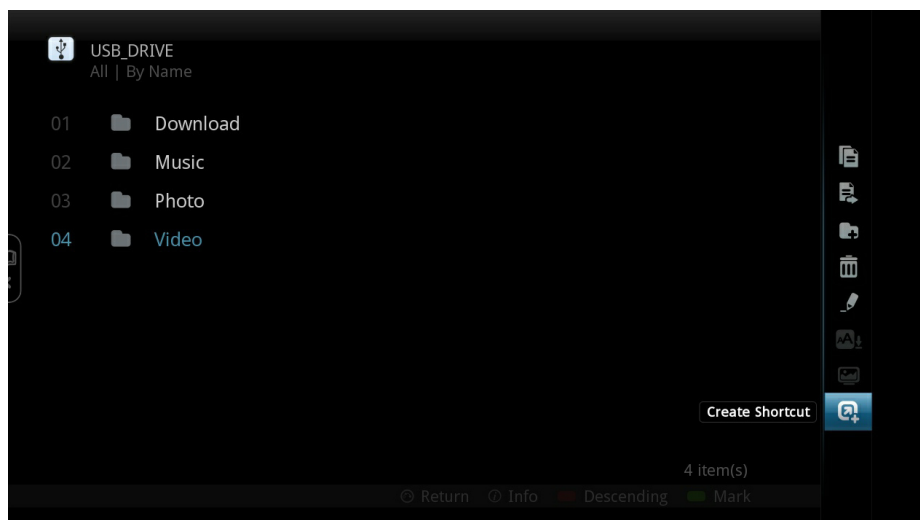


## Home Add-On

Appear as an individual icon on your home page.

## Shortcut Folder

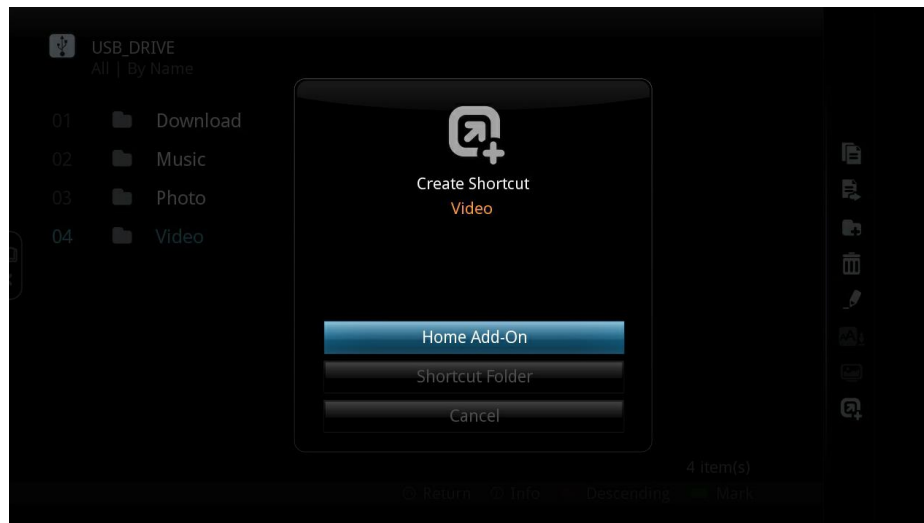
Add to the shortcut folder on home page.



## Local Drive Shortcut

In file-browser mode, press RIGHT arrow on the remote to bring up the shortcut menu.

1. Navigate to the shortcut icon and Click OK.
2. Choose where you want the shortcut to appear.

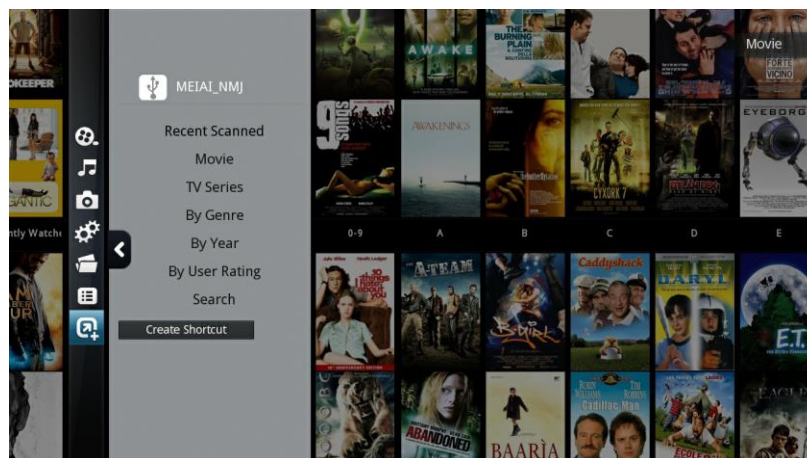


## Home Add-on

Appear as an individual icon on your home page.

## Shortcut Folder

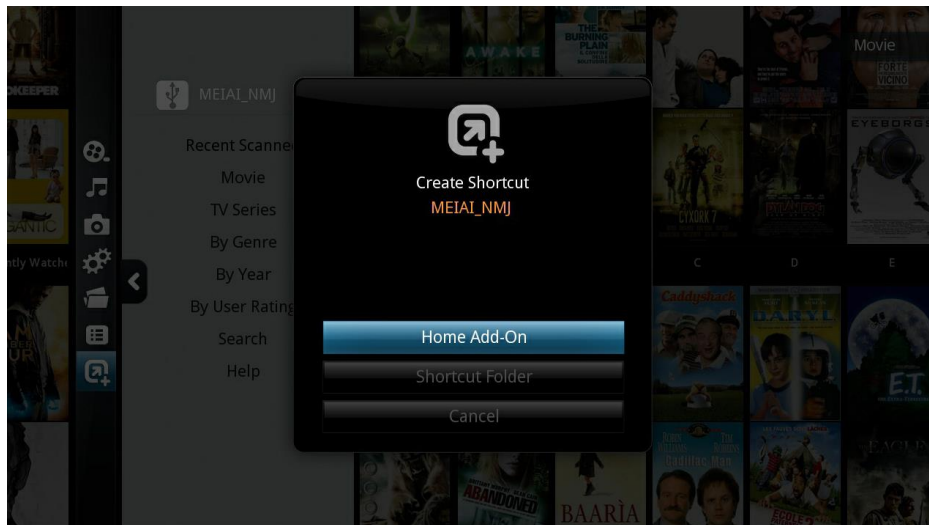
Add to the shortcut folder on home page.



## Jukebox Shortcut

In jukebox mode, press LEFT arrow on the main menu to bring up the shortcut menu.

1. Navigate to the shortcut icon and Click OK.
2. Choose where you want the shortcut to appear.



## Home Add-on

Appear as an individual icon on your home page.

## Shortcut Folder

Add to the shortcut folder on home page.

## 9.5 Network (Configure IP)



## MAC Address

Your unique NIC MAC address. This is needed when engaging support services or trouble shooting.

## Mode

<b>Wired</b>	Select this if your media player is connected to the router via an Ethernet cable
<b>Wireless</b>	Select this if a wireless dongle is inserted and you have a wireless network you want to connect to

***Note:** Wireless is not available when the media player does not detect a compatible wireless dongle.*

## DHCP

<b>Auto</b>	Automatically resolve an IP address from your router. DHCP must be enabled on your router for this to work
<b>Manual</b>	Manually specify a static internal IP address

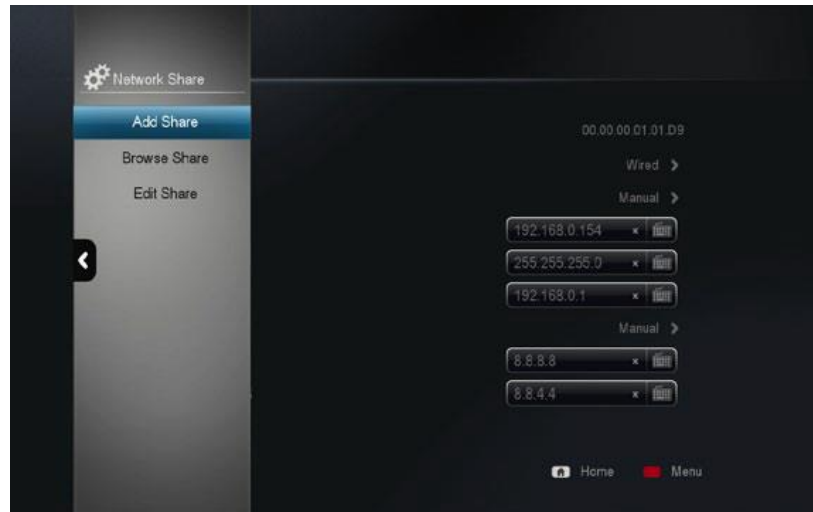
## IP Address and DNS

No input or modification is required if you have set your DHCP to Auto, your router will provide all the information.

If your DHCP setting is set to manual, you will need to provide the static internal IP address of your router, the subnet mask, the static internal IP address you want your device to have, and the DNS servers.

See the NMT WIKI for Guides.

## 9.6 Network Share



### Add Share

Manually add a network share on your PC, MAC or network attached storage (NAS). If you frequently access a network share, it's recommended that you add it so it will always appear at the top of your network devices list.

### Browse Share

Browse through a list of available network shares using the file browser and quickly add a network share without manually entering the IP address and share name.

### Edit Share

Remove or edit an existing network share.

### 9.6.1 Add Share

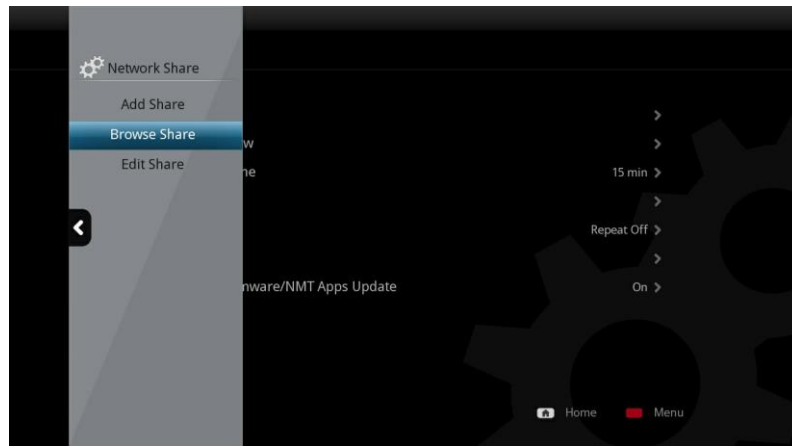
#### Protocol

<b>Samba</b>	Windows computers and most NAS devices use Samba by default. It can also be used on MAC and Linux based devices
<b>NFS</b>	The NFS protocol offers faster network transfer speeds but not every device supports it. Please refer to your devices' network share settings
<b>NFS TCP</b>	NFS over TCP/IP transport

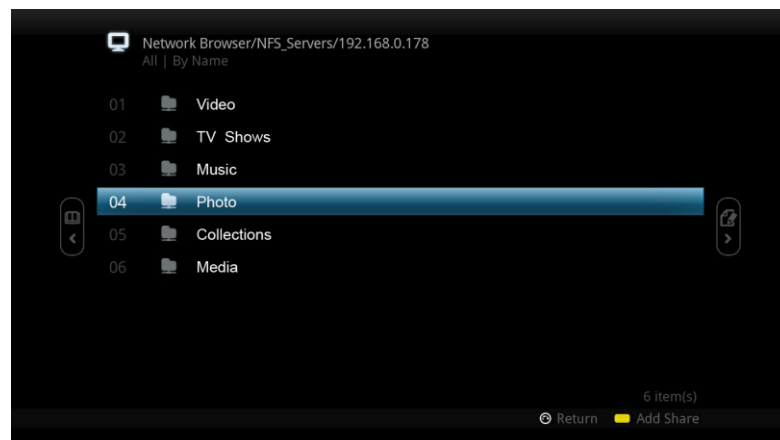
#### Network Share Information

<b>IP/Host Name</b>	Enter the IP address or host name of the device that you are connecting
<b>Share Folder</b>	The name of the network share that you are trying to access
<b>Share Name</b>	The display name for this network share in the Popcorn Hour's Network devices list
<b>Username</b>	If your network share requires a username and password please supply it here
<b>Password</b>	If your network share requires a username and password please supply it here

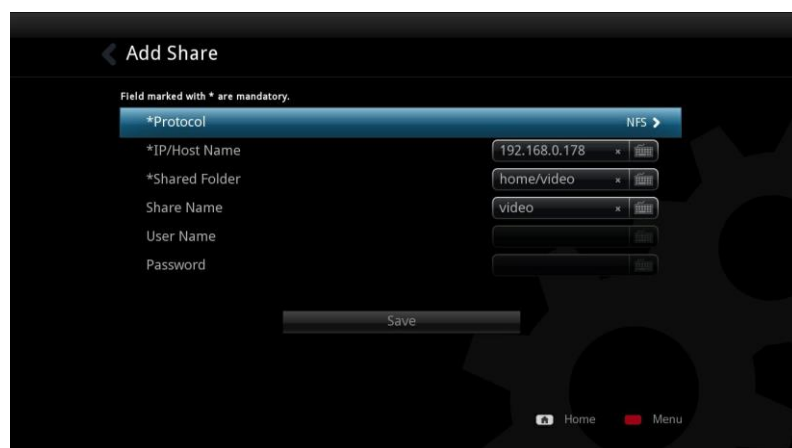
### 9.6.2 Browse Share



Under Network Browser, select the workgroup and the device you want to access.

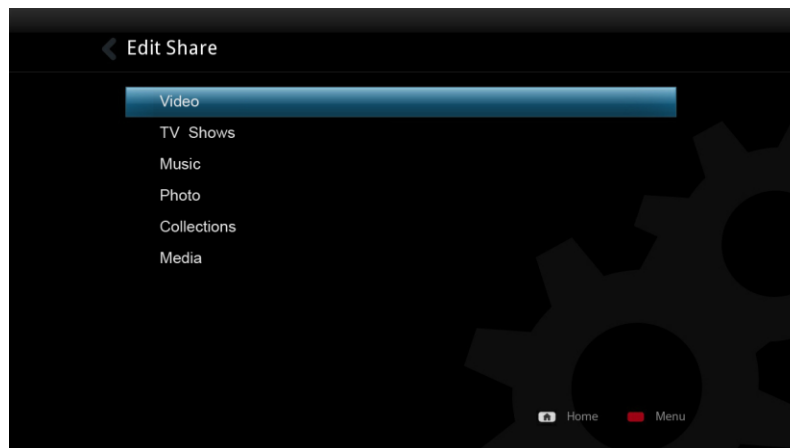


Select the folder you would like to add.



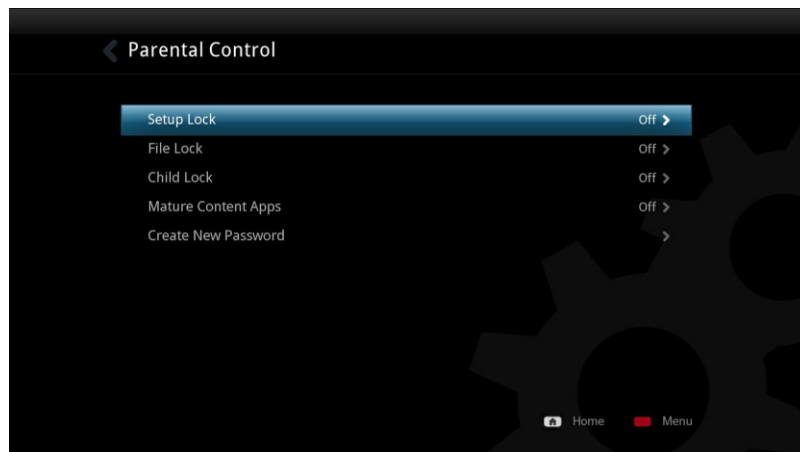
The protocol, IP/host name and shared folder information is automatically added for you. If required, you can add a username and password at this stage and then save this share.

### 9.6.3 Edit Share



Choose the shared folder that you want to edit or remove.

## 9.7 Parental Control



### Setup Lock

Setup Lock	OFF
ON	Lock the setup page to prevent unauthorized changes to your settings. <i>The Default password is 4896</i>

**Tip:** Press **SETUP – PLAY** to disable the Setup Page Lock option.



## File Lock

<b>OFF</b>	Default
<b>ON</b>	Prevents users from editing or deleting files. Useful in NMJ as deleting removes the file as well as any images or other files.

## Child Lock

This only applies to DVD and Blu-ray movies. For more information, please refer to your local ratings system.

<b>OFF</b>	Default, allow all access
<b>Kid Safe</b>	General Audiences. All Ages Admitted
<b>G/TV-Y/TV-Y7/TV-G</b>	General Audiences. All Ages Admitted
<b>PG/TV-PG</b>	Parental Guidance Suggested. Some Material May Not Be Suitable For Children
<b>PG-13/TV-14</b>	Parents Strongly Caution. Some Material May Be Inappropriate For Children Under 13
<b>PG-15</b>	Parents Strongly Caution. Some Material May Be Inappropriate For Children Under 15
<b>R</b>	Restricted. Children Under 17 Require Accompanying Parent or Adult
<b>NC-17</b>	No One 17 and Under Admitted
<b>Adult</b>	Adult video

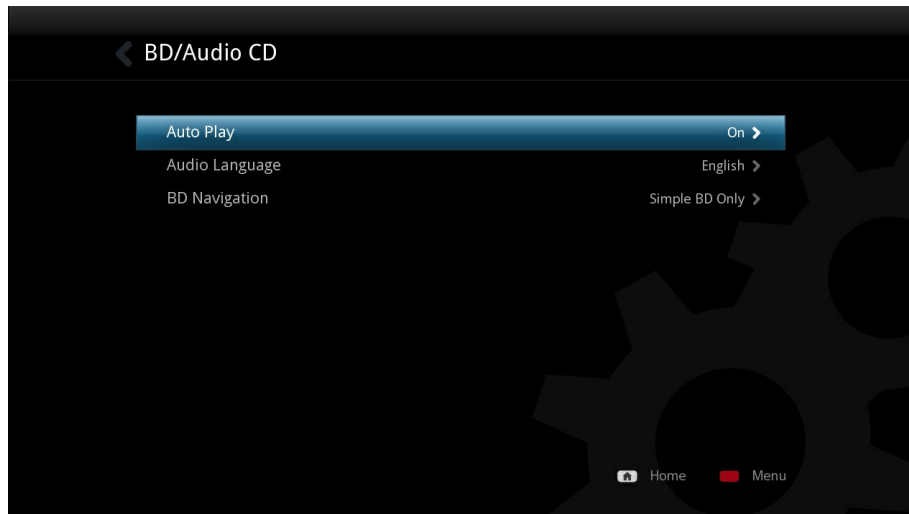
## Mature Content Apps

<b>OFF</b>	Hide mature contents apps in apps market
<b>ON</b>	Enable mature contents in apps market

## Change Password

Allow you to set a password of your choosing. This password is used for disabling the setup lock, file lock and child lock.

## 9.8 BD / Audio CD



### Auto Play

OFF	Default
ON	Automatically playback when external optical disc

**Note:** Popcorn Hour A-500 PRO does not support commercial Blu-ray disc.

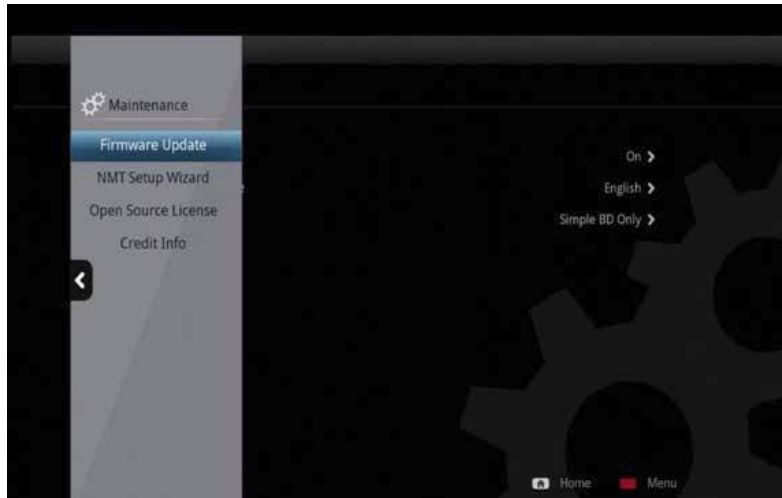
### Audio Language

Pre-select the default subtitle track for Blu-ray videos.

### BD Navigation

File view	When you select a BD IFO you can browse the folder contents. BD ISO files will prompt you for the navigation method
Simple BD only	Launches video playback. The Blu-ray menu is replaced by the BD Lite menu
Prompt	When you select a Blu-ray, you are prompted to choose menu style

## 9.9 Maintenance



### **Firmware Update**

This section allows you to check the current installed firmware version. You can also manually check for a firmware update and reset the device to factory settings from this menu.

### **NMT Setup Wizard**

Please refer to page 89.

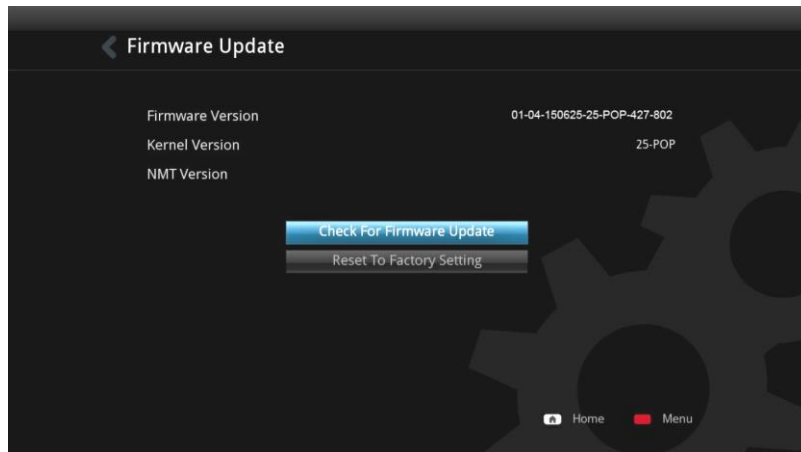
### **Open Source License**

In accordance with GPL, a list of open source licenses that the device uses are listed here.

### **Credit Info**

Credits to source code providers.

### 9.9.1 Firmware Update



**IMPORTANT:** Please restart your device by removing the power cord from the wall outlet or power connector port on the rear of the device. This will ensure that your device is ready for the firmware update process.

#### Firmware Version

Your current firmware version, changes according to the current public release firmware.

#### Kernel Version

System kernel version

#### Check for Firmware Update

Ensure that you are connected to the Internet before proceeding. Use this option to check if a new firmware is available for your device. If it is, you will be presented with a disclaimer. Please read it carefully before proceeding with the firmware update.

**WARNING:** DO NOT DISCONNECT THE POWER TO THE DEVICE DURING THE FIRMWARE UPDATE PROCESS. Doing so may cause the device to become inoperable.

*Tip: The Popcorn Hour A-500 PRO supports offline firmware updating. Please visit our support website for more information.*

#### Reset to Factory Setting

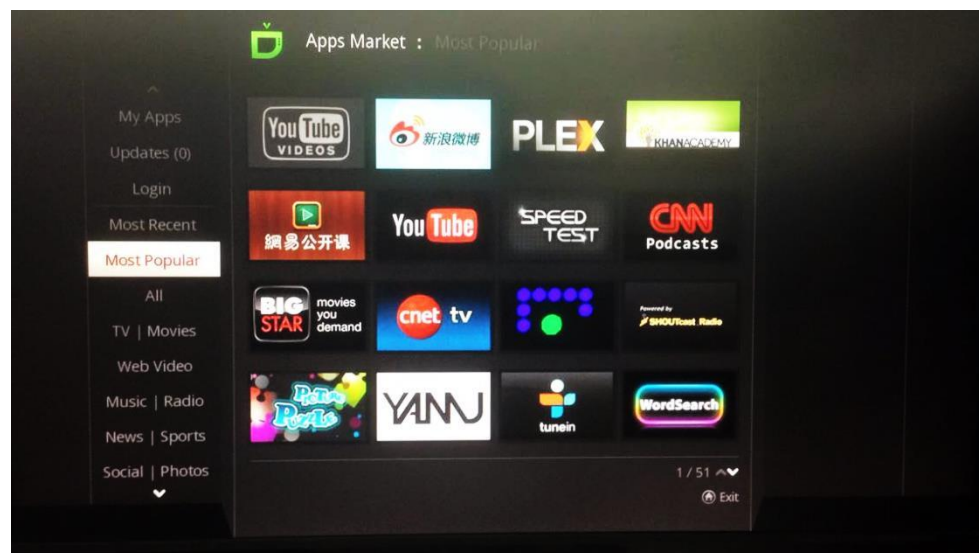
If you ever need to reset all your device settings, you may do so here. You should do this after each firmware update.

## 10. Apps Market

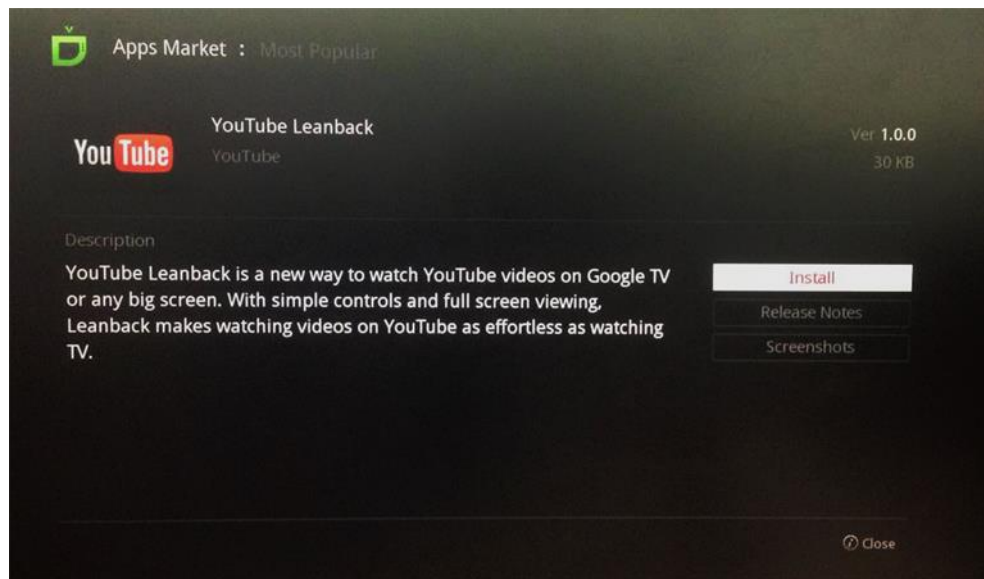
Get access to the Apps Market where you can get free and premium apps for your TV. Access instant video on demand services, online radio, social networking, games and more. The apps market is updated frequently and geospecific so check back to expand your multimedia lineup.



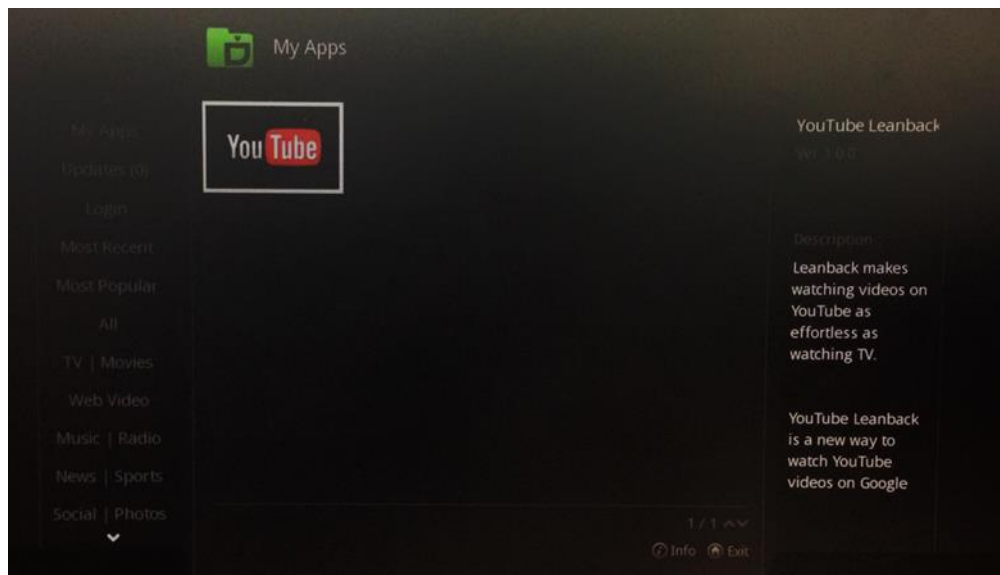
Navigate to the Apps Market Icon and press ENTER on your remote.



Choose your desired app and press ENTER on your remote.



Install by pressing ENTER on your remote or exit by press the INFO button.

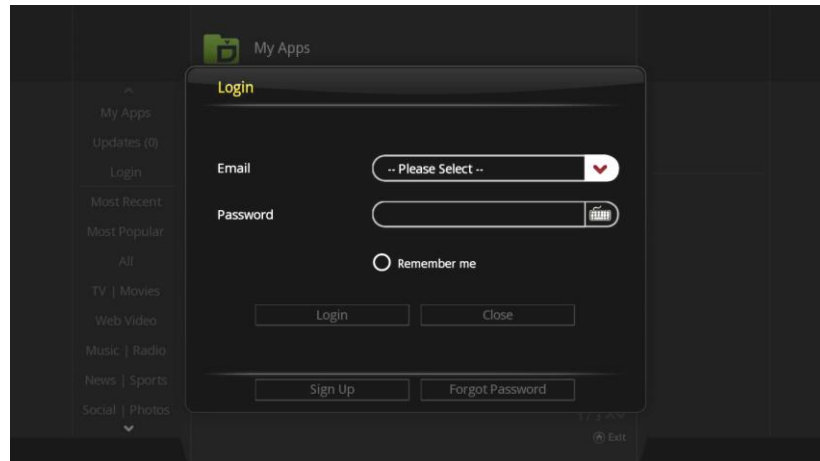


The installed apps will appear in the My Apps category.

**Tip:** To uninstall any app, press the INFO button on your remote.

## 10.1 Login to Apps Market

Login to the Apps Market to purchase premium apps or access a private store provided by your content provider.



1. On the left navigation pane, choose LOGIN.
2. If you already have an account, please enter your email address and password.
3. Otherwise, move down to SIGN UP and create your Apps Market account

***Tip:** If you cannot locate your premium content, please ensure that you are logged in to the Apps Market*

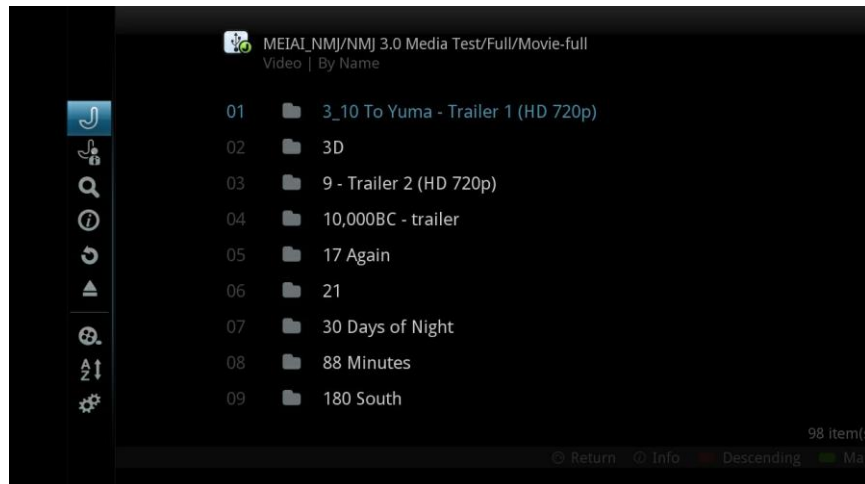
## 11. File Browser

The file browser allows quick access and navigation to your files. Using the file browser you can copy, move, delete and rename files. You can also view information and download poster art and subtitles for individual files here. The file browser displays all your folders and files in list format and allows for different sort and filter options. You can play your media directly from this view.

<b>Network</b>	Access and browse your network shares from the network option. Network shares that you have added are listed at the top and any other auto-discovered network devices are listed below. If a username and password is required to access the share, you will be prompted
<b>Local Media</b>	Browse your media files stored on your external connected USB device, such as portable HDD, USB Thumbdrive, and optical device.

## 11.1 Settings

Login to the Apps Market to purchase premium apps or access a private store provided by your content provider.



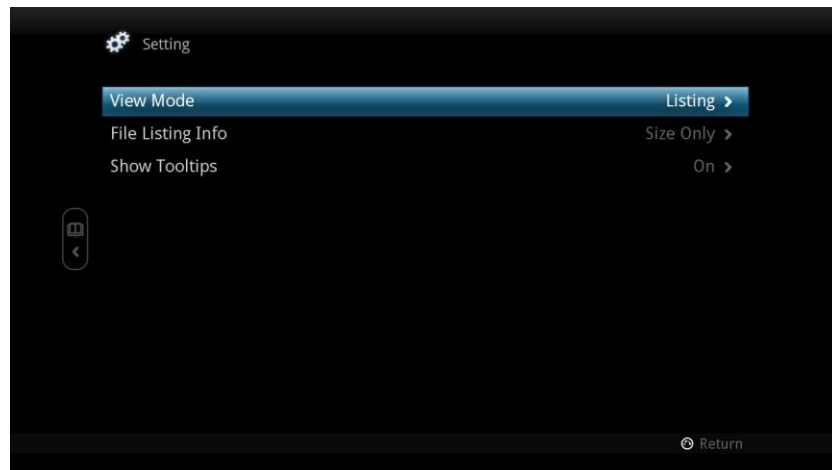
In the file browser, press the LEFT arrow on your D-pad to bring up the menu options.

<b>Networked Media Jukebox</b>	Launch the NMJ interface
<b>NMJ Manager</b>	Launch the Jukebox Manager to configure all your NMJ sources
<b>Search</b>	Let you search a file by entering the name here
<b>Storage Info</b>	Show current storage usage
<b>Return</b>	Closes the menu options
<b>Eject</b>	Safely remove USB connected devices such as USB thumbdrives
<b>Filter</b>	Filter media type: movie, music, photo or all
<b>Sort</b>	Sort by Name, Date or Size
<b>Settings</b>	Access settings specific to the file browser

**Note:** The file browser behaves exactly the same in local media or network folder mode.


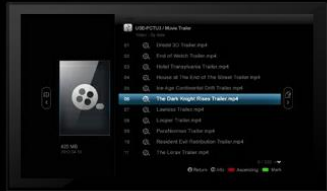


## 11.2 View Mode



### View Mode

This will allow you to switch between list view and thumbnail view.

Listing	View Mode	A traditional file list with filename, date and size
Thumbnail	 Listing Thumbnail	This view displays the thumbnail (if available) and information for the currently selected file
	 Listing Thumbnail	

## File Listing Info

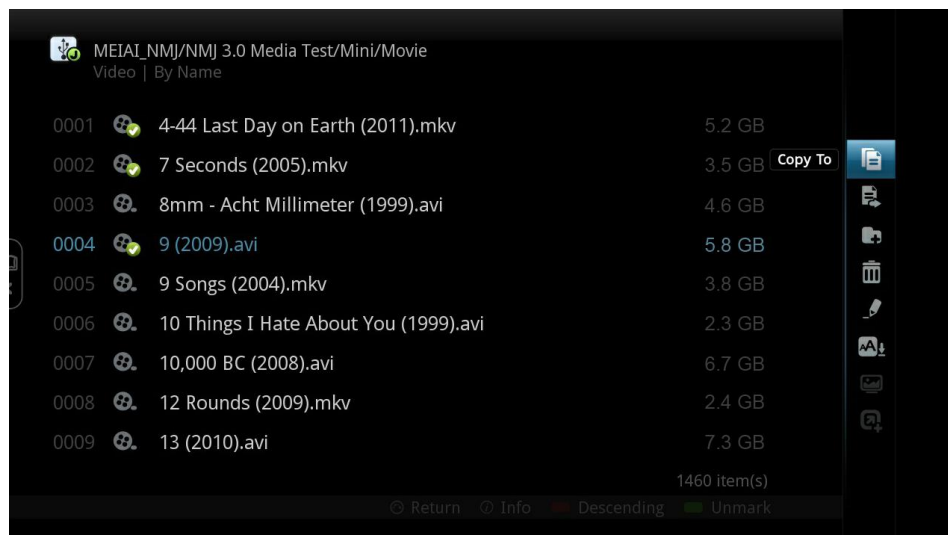
<b>None</b>	Disable date and size information display in the file browser
<b>Auto</b>	Automatically display date or size when using the sort options
<b>Size Only</b>	Display the file size only
<b>Date Only</b>	Display the file's modified date only
<b>Date and Size</b>	Display both date and size information

## Show Tooltips

<b>On</b>	Displays tips for tools when you highlight them
<b>Off</b>	Disables tip information

## 11.3 File Manager

You can use the file manager to copy, move delete and rename files as well as create new folders on your storage device.



Mark the files that you want to copy/move/delete by pressing the GREEN button. A checkmark is visible on the filename to indicate that it has been marked.

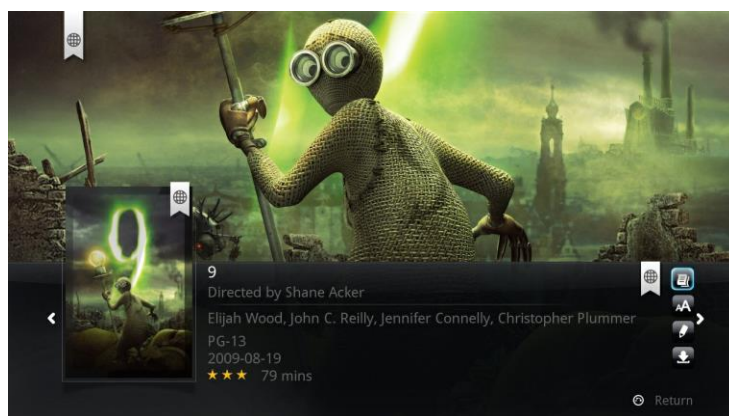
Press the RIGHT button on the D-pad to access the file manager menu.

<b>Copy To</b>	Copy the marked file(s) to a different folder
<b>Move To</b>	Move the marked file(s) to a different folder
<b>Create a new folder</b>	Create a new folder
<b>Delete</b>	Delete marked file(s) or folder(s)
<b>Rename</b>	Rename the marked file
<b>Fetch Online Subtitle</b>	Download subtitles for the marked file(s). Only applicable to video

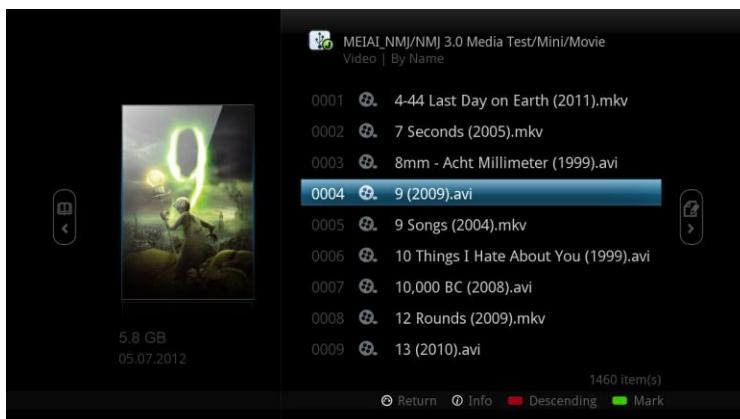
*Tip: Make sure that the destination folder or drive is not copy-protected.*

## 12. Movie Meta Data

One of the main features of the Popcorn Hour A-500 PRO is the ability to download and manage movie meta data without the use of a PC. This feature differs from NMJ as this is only visible in the file browser mode.



Movie Synopsis



Movie Thumbnail

**Tip:** Enable thumbnail view by going to file browser settings. See page 63.

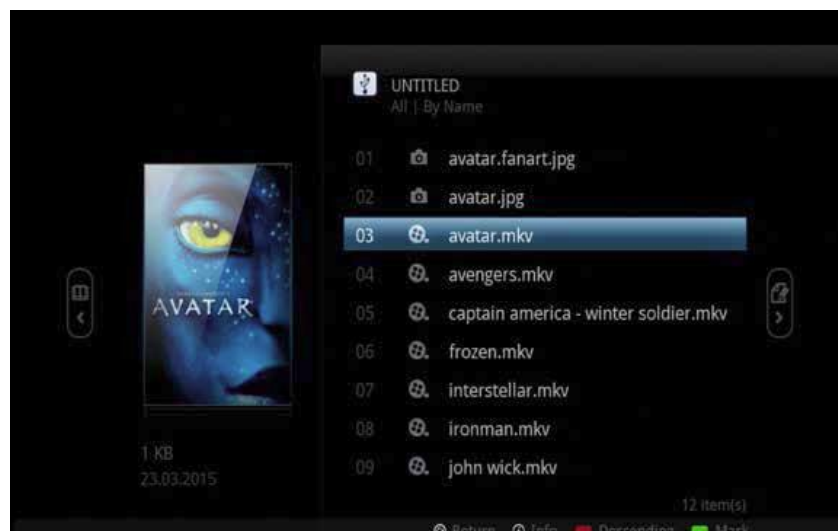
## 12.1 Movie Info Page Walk-Through

Press the INFO button on your remote to bring up the movie info page.

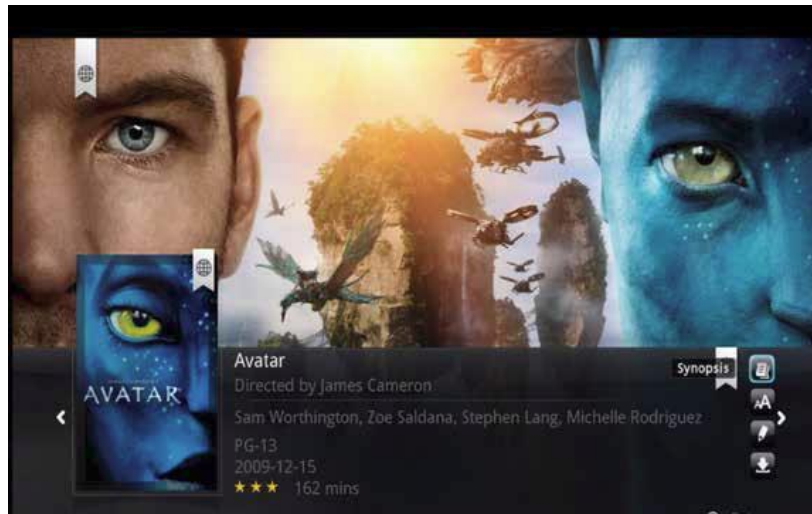
1. Movie Fanart
2. Movie Poster or Thumbnail
3. 4 Options are available here

<b>Synopsis</b>	Movie synopsis gives you an overview of the movie. Including parental ratings, casts, director, plot, etc.
<b>Fetch Online Subtitle</b>	Download subtitles for your movie from the Internet straight on your player without using a PC. Supports multiple languages.
<b>Edit</b>	If the automatically selected meta data is incorrect, or you wish to change the fanart or thumbnail, you may edit the selection.
<b>Download</b>	After you have confirmed the meta data and fanart, use the download option to save it on your storage device

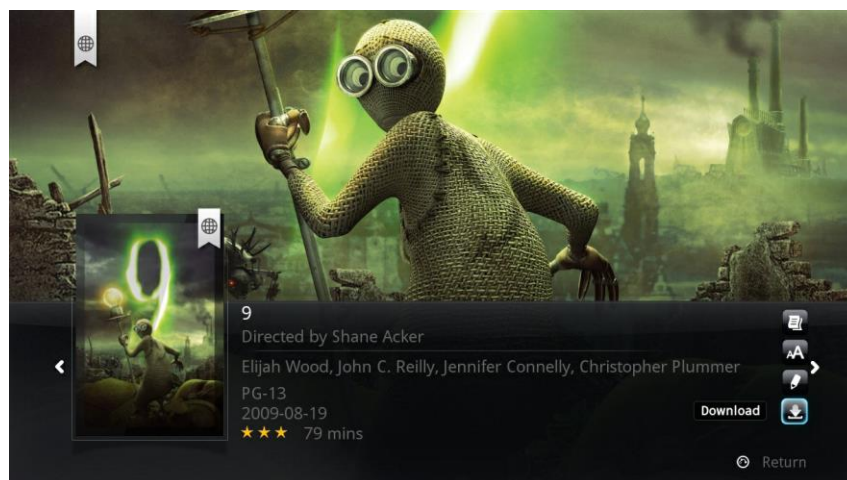
## 12.2 Download Movie Thumbnail and Meta Data



On file browser, highlight the movie that you want to download data for and press the INFO button on your remote.



The fanart, movie poster and meta data are automatically pulled from the Internet and displayed on your screen.



Navigate to the **Download** option on the bottom right and press ENTER on your remote.

The poster, fanart and NFO files are downloaded and saved on the same storage device that your video file is located on.

***Tip:** If you encounter an error, make sure you are able to write files to your storage device. For local storage it must be formatted either in the NTFS, FAT32, EXT2 or EXT3 file system. For network storage devices, make sure you are logged in with a user account that has write/read/edit permissions enabled.*

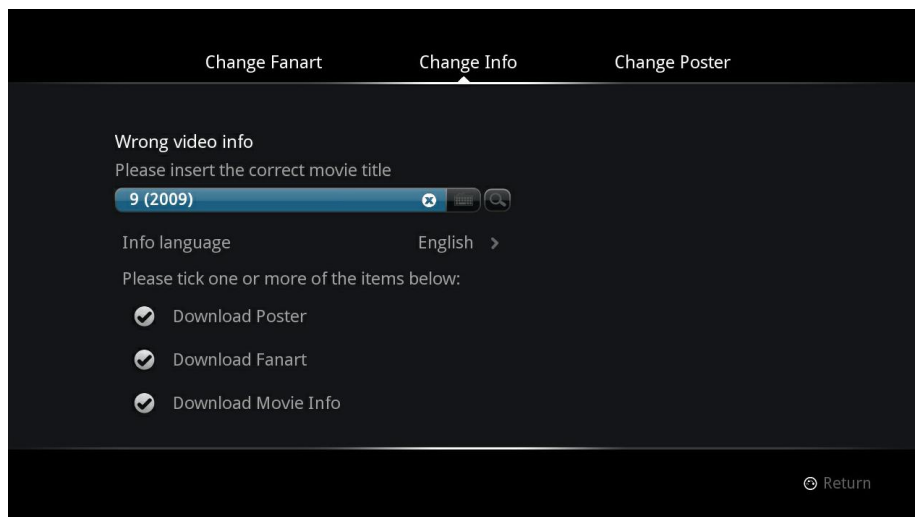
Repeat the process for any of your movies and TV shows.

## 12.3 Edit or Update Movie Information

If the scanner pulls the incorrect information for the file, or if you wish to change the poster or fanart for your video, you can do so by editing the movie meta data.



Navigate to the **Edit** option on the bottom right and press ENTER on your remote.

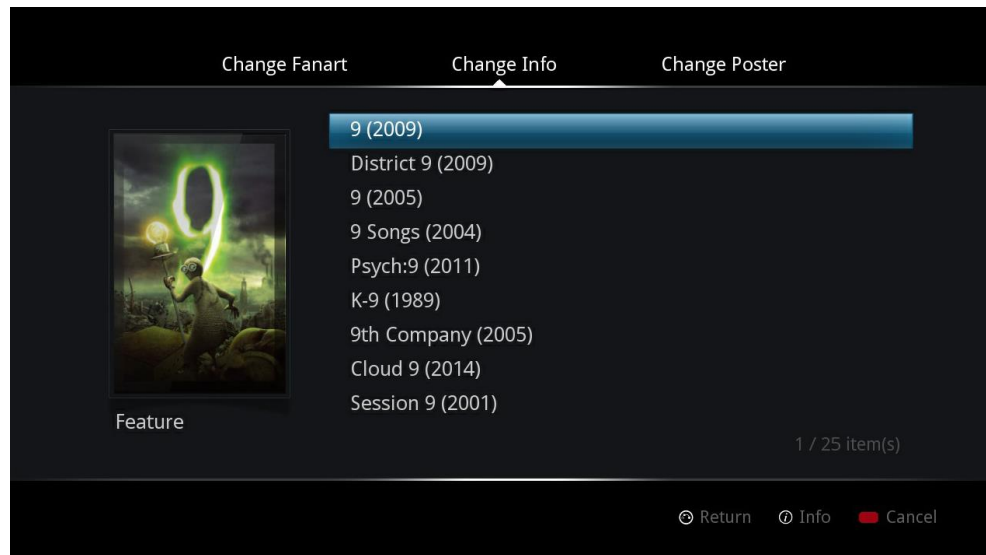


You can either use the numerical pad or the onscreen keyboard to enter in the movie or TV show title. Then select the items you would like to download. When you're ready to search highlight the **search icon** and press ENTER on your remote.

**Tip:** By default, the filename will be in the search field and all items will be checked.

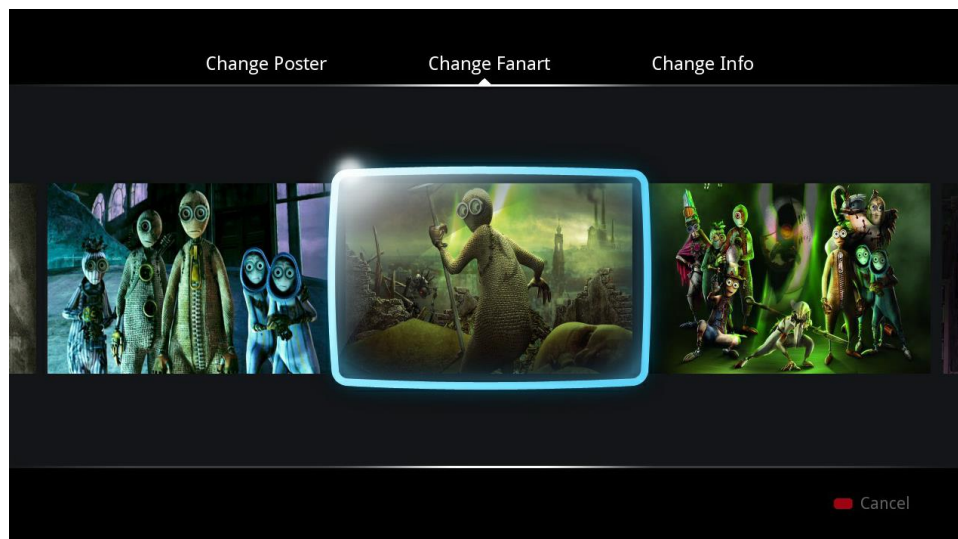


## Change Info



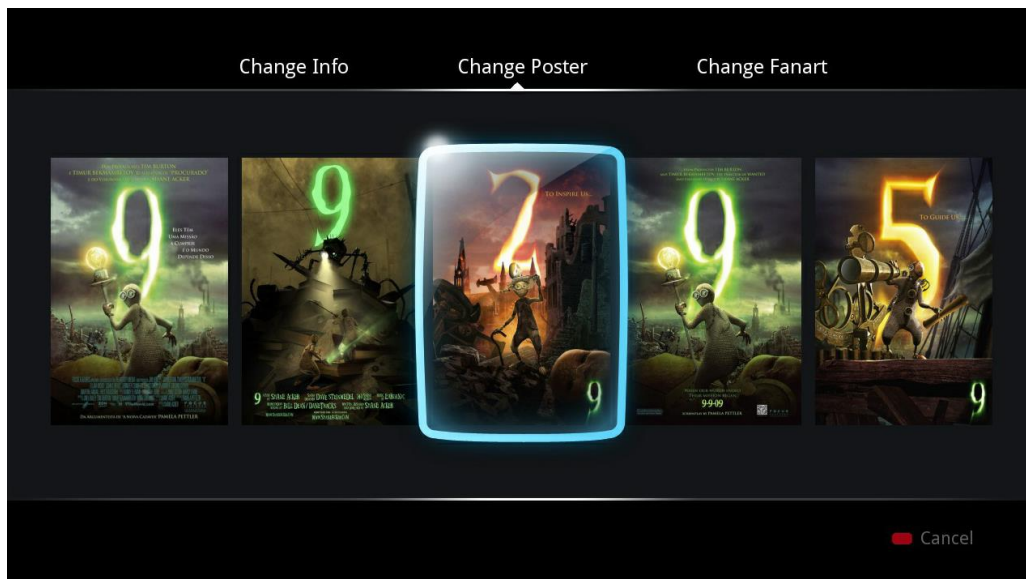
Under the **Change Info** section, select the correct title for your video. You can press INFO on your remote to see the synopsis before selecting that particular entry.

## Change Fanart



Under the **Change fanart** section you can select from a number of photos that can be used as the background display when viewing the video information.

## Change Poster

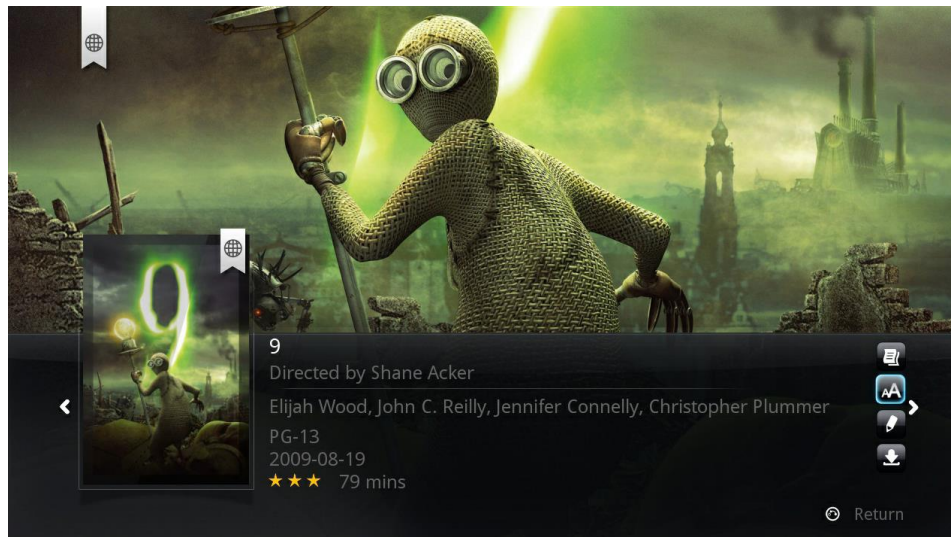


In the **Change poster** section you can choose the movie poster you would like to use. Afterwards, remember to download the data that way the changes you selected will always be used when you press the INFO button on your video.

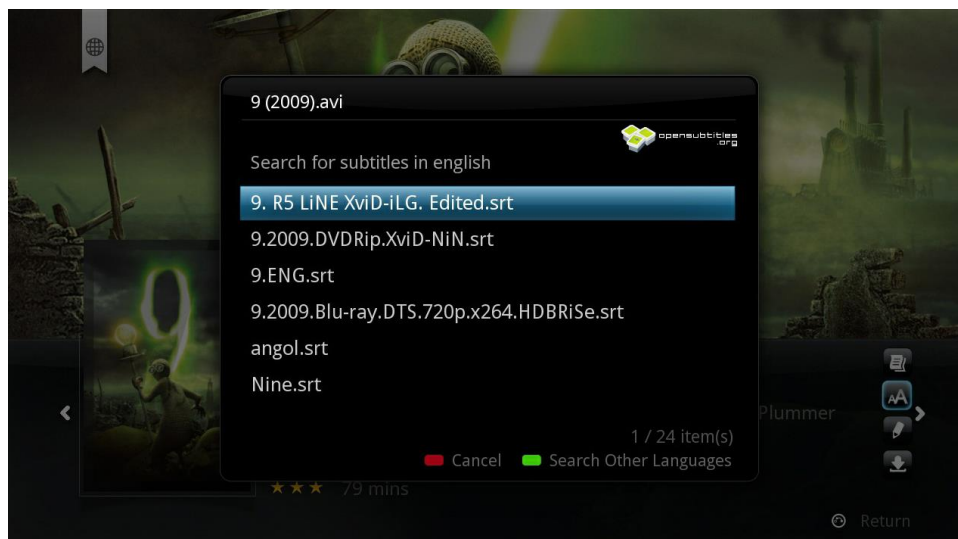
**Tip:** In order to download meta data, you must ensure that your Popcorn Hour A-500 PRO is connected to the Internet.



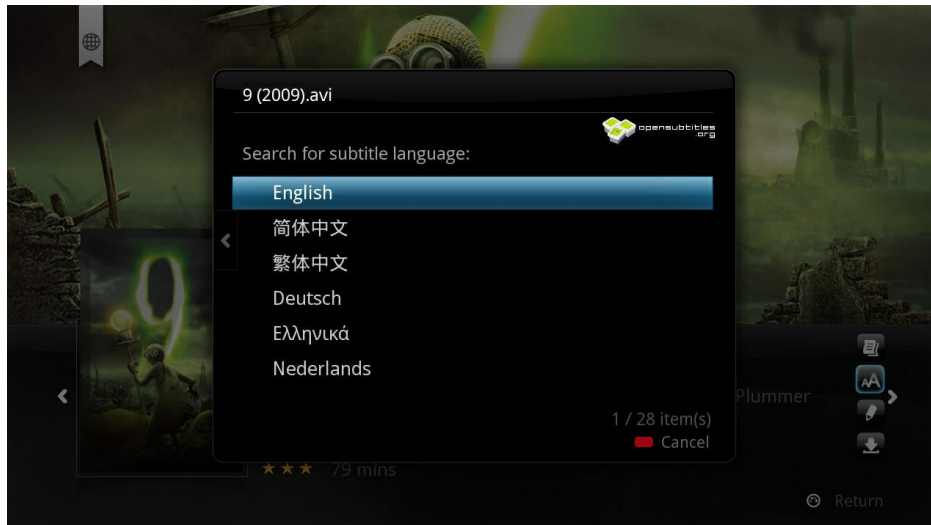
## 12.4 Download Subtitles



On the movie info page, navigate to the **Fetch online subtitle** option and press ENTER on your remote.



A list of results will come up. Choose the subtitle that best matches your movie.



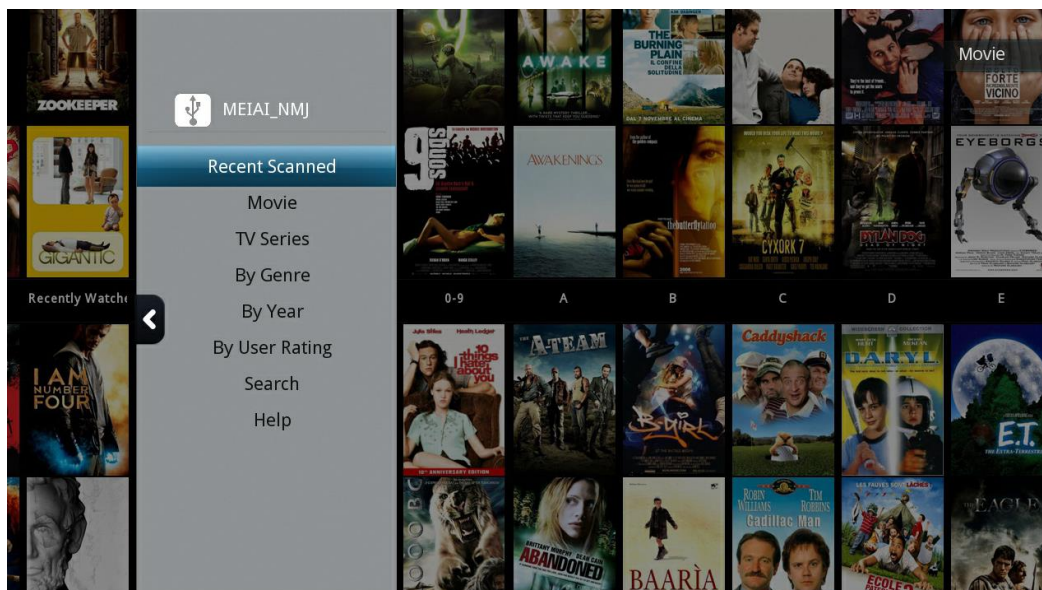
If you need to get subtitles in a different language than your default, press the GREEN button on your remote to change your language filter.

The downloaded SRT subtitle file will be saved on the same storage device as your video file. In order to enable it, start playback of your movie and press the SUBTITLE button on the remote.

## 13. Networked Media Jukebox

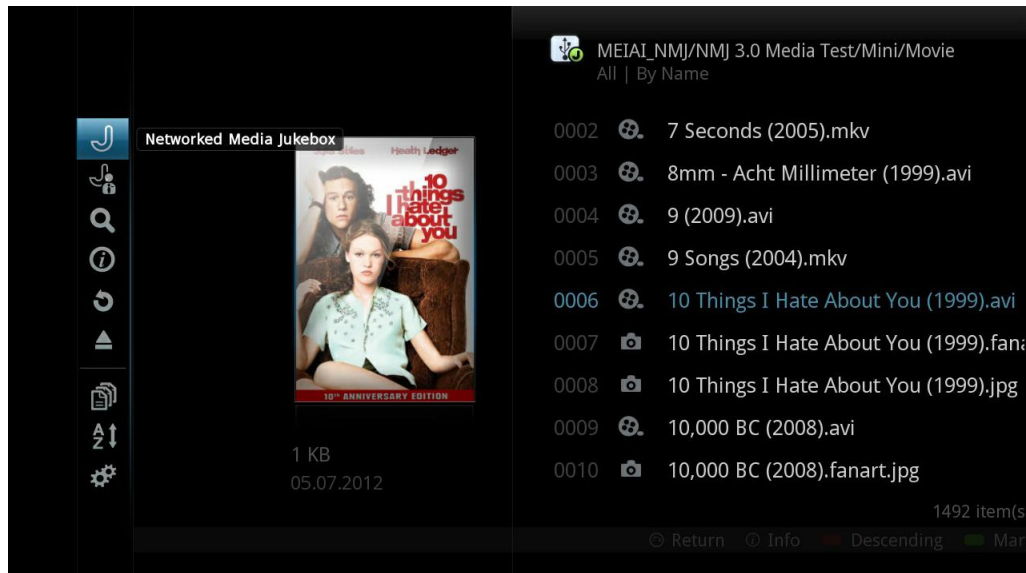
Interested in downloading information for all your movies and TV shows in one go? Do you want to browse your video collection based on the movie poster? With the Network Media Jukebox you can! Without the need of additional PC software, the Popcorn Hour A-500 PRO will scan your movie and TV show library and download the poster, fanart and meta-data for you. When you want to watch a movie, you can sort through and view your collection using the posters, just like if you were at a movie store.

The Networked Media Jukebox software will also organize your photo and music library so you can view those files in a beautiful and easy to use interface.

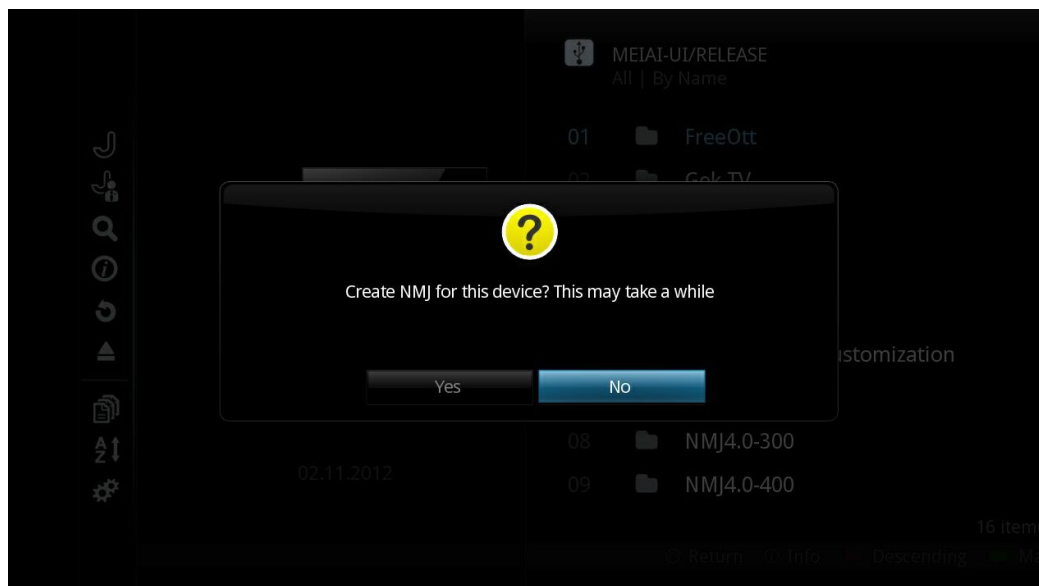


### 13.1 Configuring NMJ

The Networked Media Jukebox, or NMJ, software works by creating a database for your storage device. This database contains all the info, posters and fanart for your entire movie and TV show library as well as any other media you scan in.

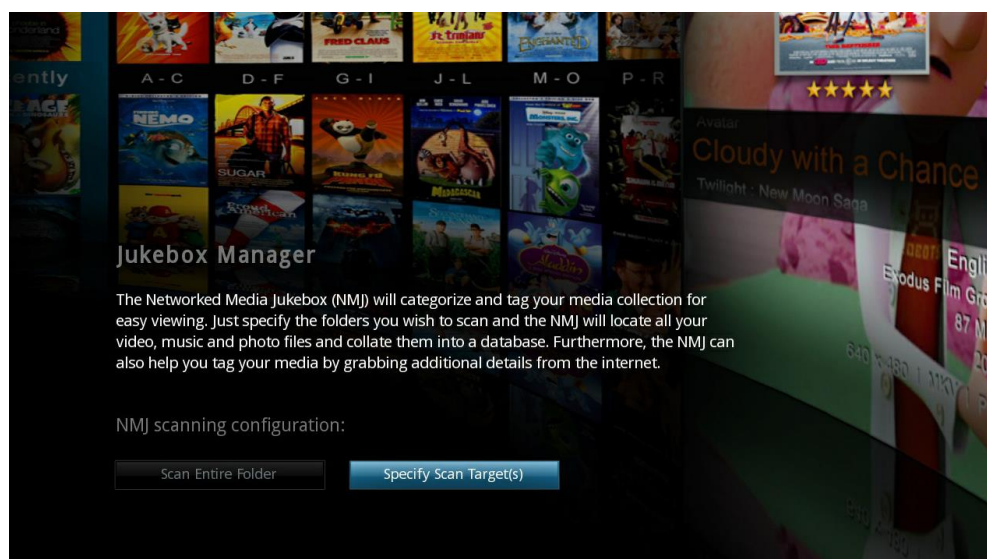


To create the NMJ database, use the file browser to navigate to your media storage device. Then press LEFT on D-PAD and choose **Networked Media Jukebox**.



You'll be prompted to create an NMJ database for your device. Select **YES** to begin.

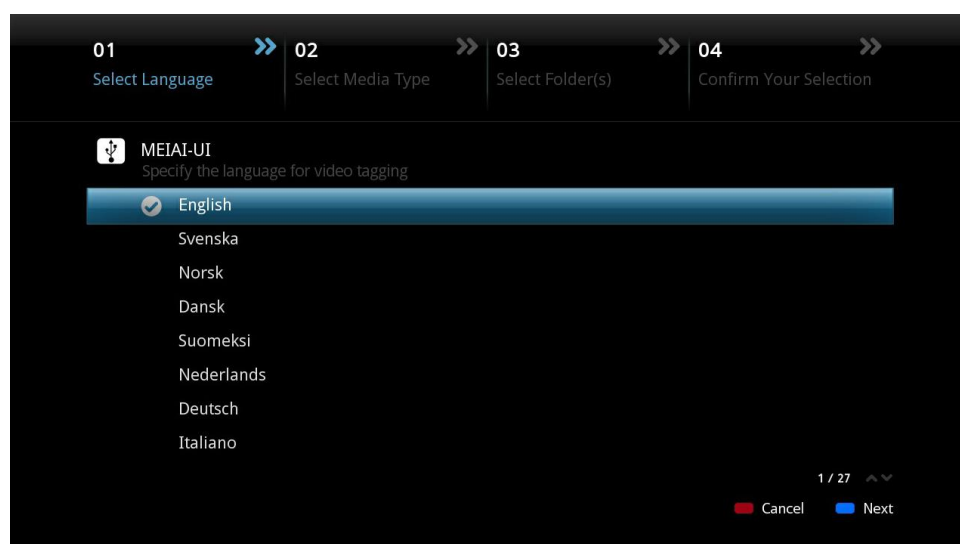
***Tip:** Building the NMJ database can take several hours depending on the size of your library. It's recommended to start this procedure before you go to bed or during a time where you don't expect to use the device.*



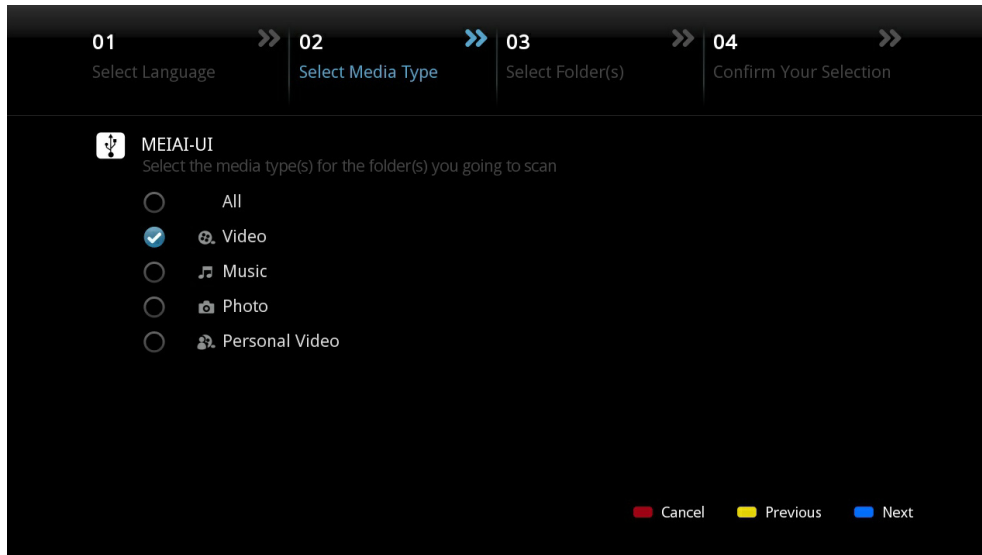
## NMJ Scanning Configuration

<b>Scan Entire Folder</b>	NMJ will automatically scan the entire folder for supported media and add it to the NMJ database
<b>Specify Scan Target(s)</b>	Allows you to specify which folders the NMJ software will scan and add media from. (Recommended)

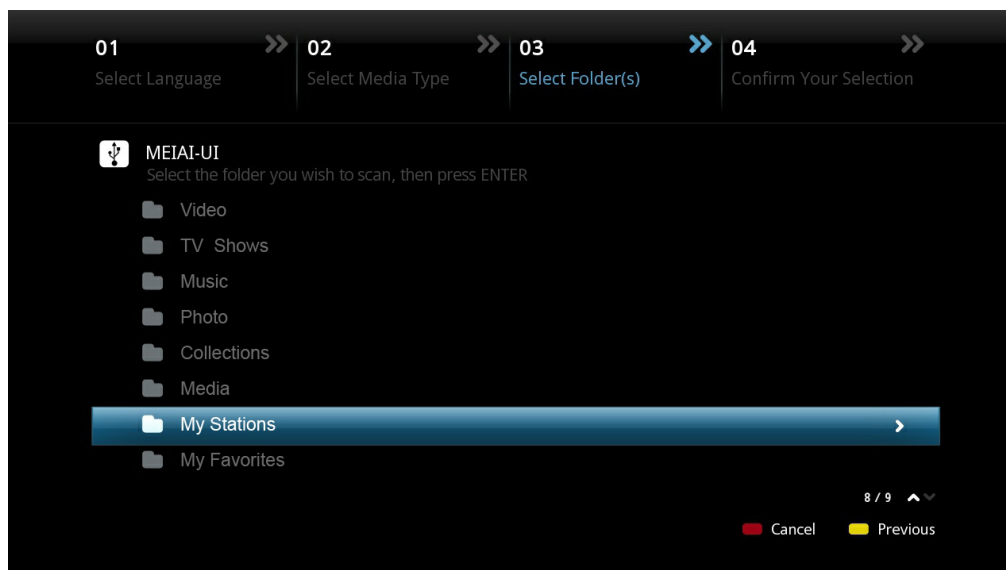
In this example, we will select the **Specify Scan Target(s)**.



Select the desired language you would like the NMJ software to use when downloading video information. NMJ will try and use that version of the meta data if available; otherwise it will default to English.

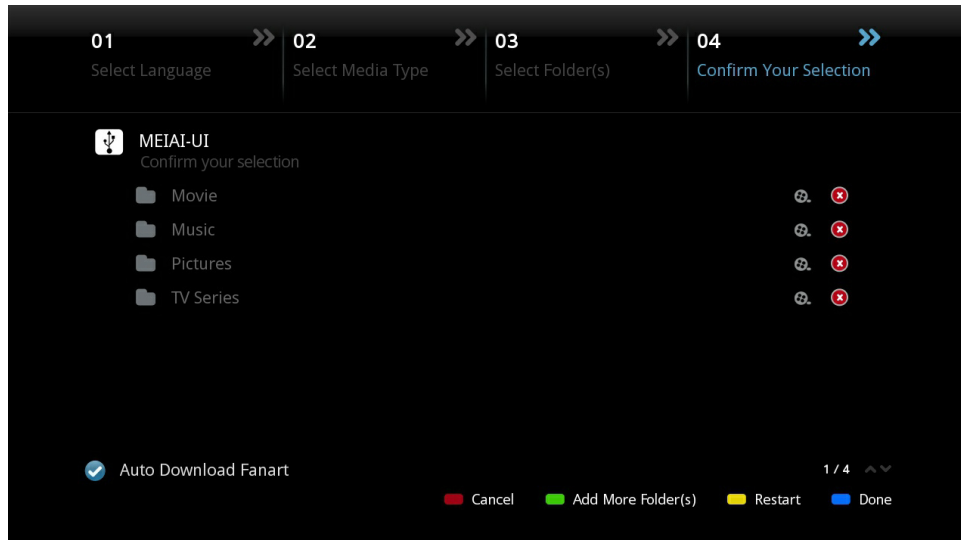


Select the type of media you would like added to the database. Any file types that aren't selected here will be ignored.

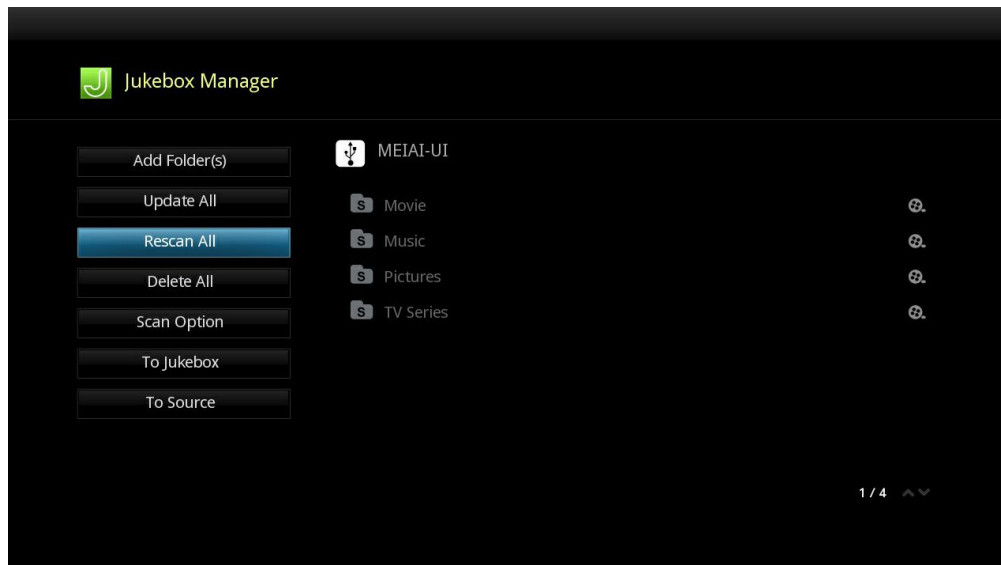


Select the folders that you would like the NMJ software to scan.

**Tip:** You may add additional folder at any time via the NMJ Manager. You may add "no\_xxx.nmj" files to stop certain folders or images being included in the NMJ output. See the NMT forum NMJ section for more information.

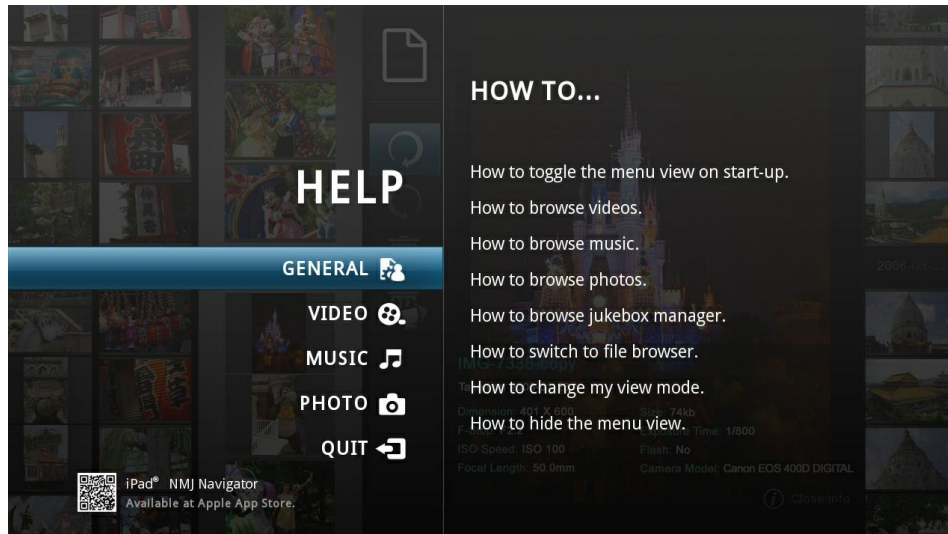


On the confirmation page you may review the folders you have selects, remove them from the list or add additional ones if necessary. Once you are finished, press the BLUE button on your remote to complete the setup.

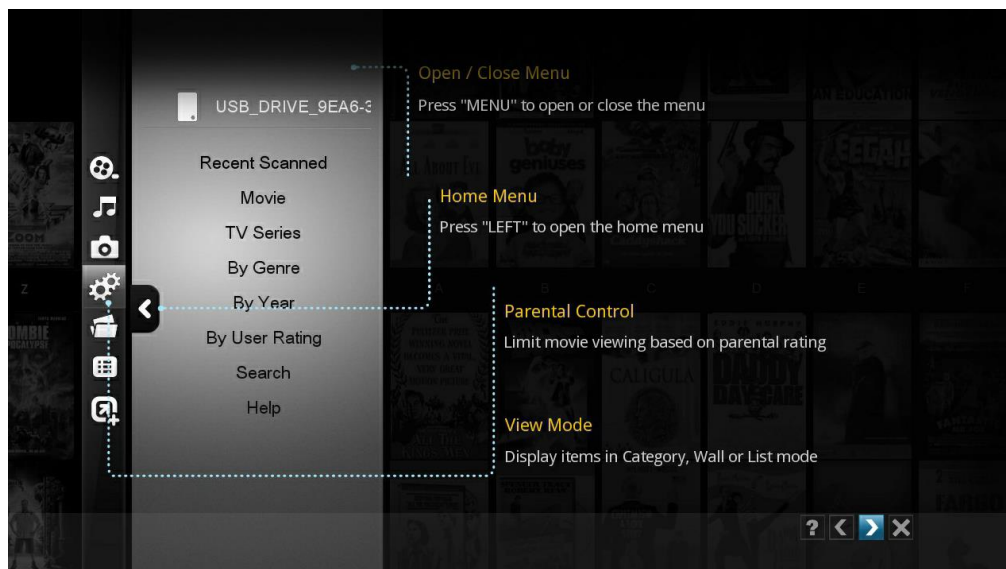


Congratulations! Your first NMJ database setup is completed. The system is now scanning your files, downloading relevant data and creating a database. Depending on how large your library is, it can take several minutes or even hours to complete.





While your database is being created, you can view the onscreen NMJ help guide and learn valuable information for organizing your media library, navigating inside the NMJ software and playing back your media.

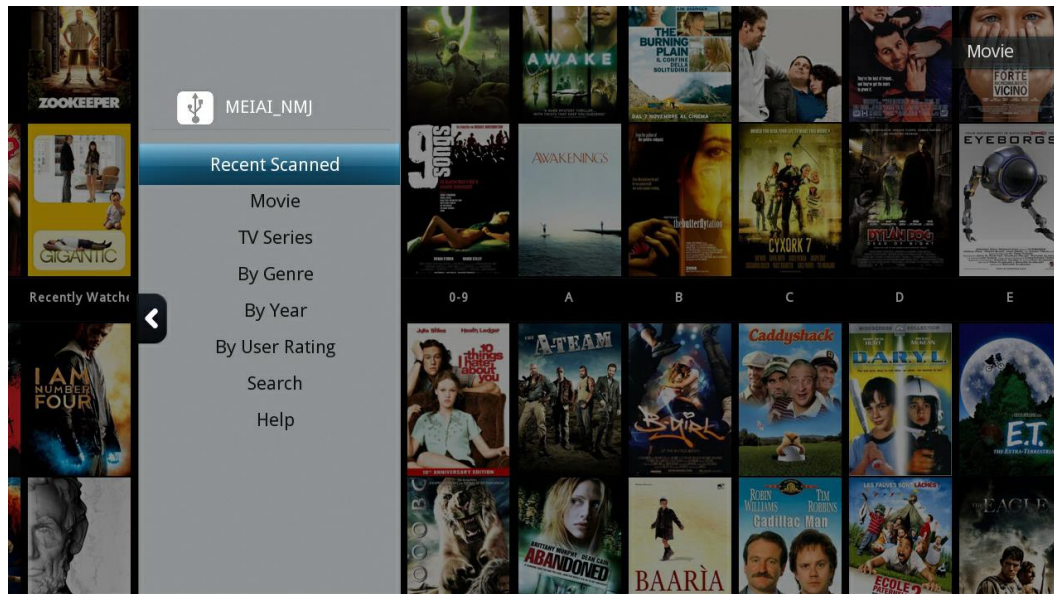




## 13.2 Navigating in NMJ

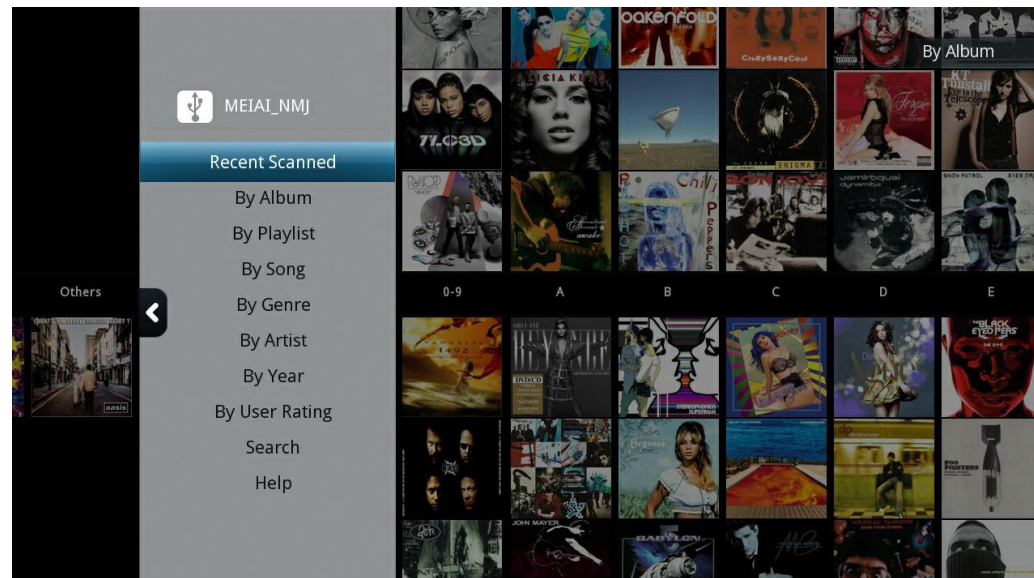
Press the MENU button on your remote to bring up the NMJ menu. This will help you navigate and sort your content in the NMJ software.

### MOVIES



<b>Recent Scanned</b>	This will display all your recent movies and TV shows recently scanned
<b>Movie</b>	This will display all of your movies
<b>TV Series</b>	This will display all of your movies
<b>By Genre</b>	This will display all your videos grouped into different genres
<b>By Year</b>	Displays a list of years, select one to view all videos released in that year
<b>By User Rating</b>	Displays a list of ratings, select one to view all videos with that rating(ratings are pulled from the web at first and can be set by users later)
<b>Search</b>	You can search videos by title, cast or director
<b>Help</b>	Bring up the on screen help to view more information about the NMJ software

## MUSIC



<b>Recent Scanned</b>	Recent Scanned - This will display all of your songs recently scanned
<b>By Album</b>	This will display all your music by album
<b>By Playlist</b>	Displays a list of playlists in your NMJ database
<b>By Song</b>	Displays music tracks alphabetically in a list
<b>By Genre</b>	Displays albums based on Genre
<b>By Artist</b>	Displays a list of artists, once selected their albums are displayed
<b>By Year</b>	Displays a list of years, once selected the albums released that year are displayed
<b>By User Rating</b>	Groups all audio tracks based on rating (rating must be added to audio track by user in the NMJ)
<b>Search</b>	Search audio track by name or artist
<b>Help</b>	Bring up the on screen help to view more information about the NMJ software

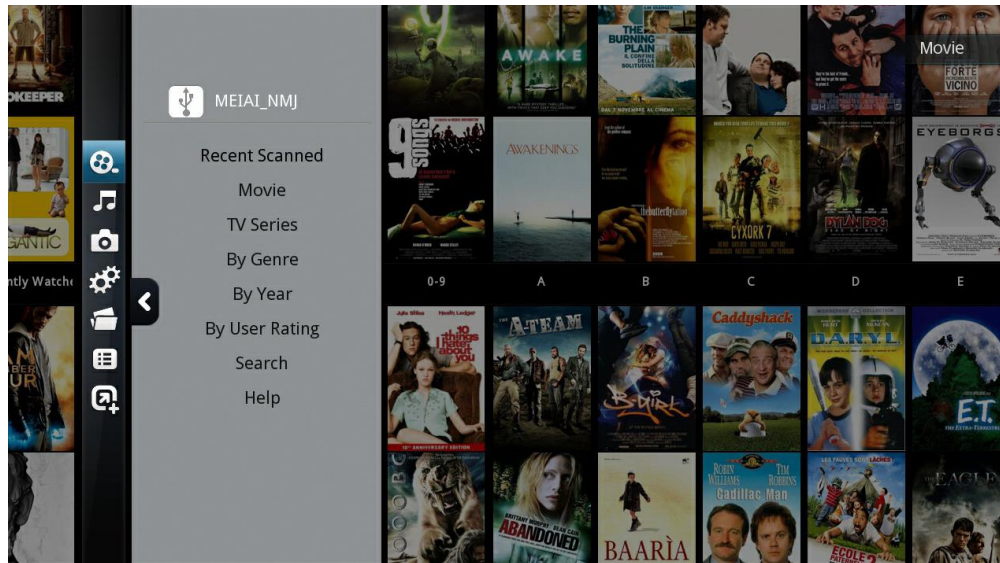
## PHOTO



<b>Recent Scanned</b>	This will display all of your photos recently scanned
<b>By Date</b>	Displays a list of years, once selected all photos taken in that year are displayed
<b>By Album</b>	Displays a list of albums, once selected all photos in that album are displayed (photo albums are folders)
<b>Help</b>	Bring up the on screen help to view more information about the NMJ software

## NMJ Media Menu

To bring up the Media Menu, simply press LEFT on the D-pad.



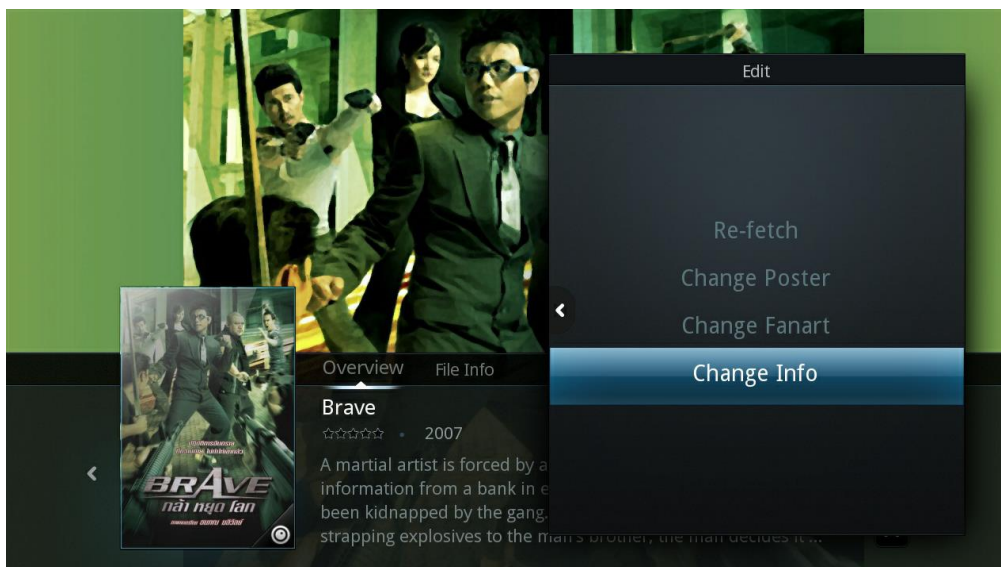
<b>Video</b>	Switch to the video section of NMJ
<b>Music</b>	Switch to the music section of NMJ
<b>Photo</b>	Switch to the photo section of NMJ
<b>Preference</b>	Configure your NMJ preferences
<b>Jukebox Manager</b>	Launch the Networked Media Jukebox Manager
<b>File Browser</b>	Exit the NMJ and return to the file browser
<b>Add Shortcut</b>	Create shortcut on home menu

***Tip:** The Popcorn Hour A-500 PRO remembers your preferences for different storage devices. If you were using the NMJ view the last time, it will automatically launch NMJ the next time you select that device. If you want to exit back to the file browser, use the Jukebox Manager or the Switch to File Browser option.*



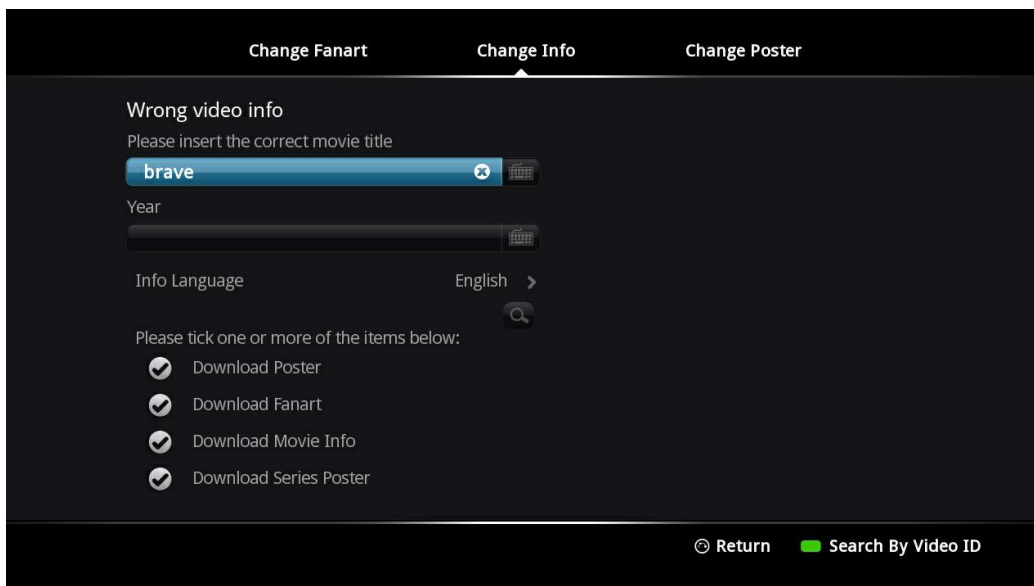
### 13.3 Updating NMJ Information

Sometimes the scanner might download the wrong information for your video file. To fix this, you can manually edit the file in the NMJ library right from the device.

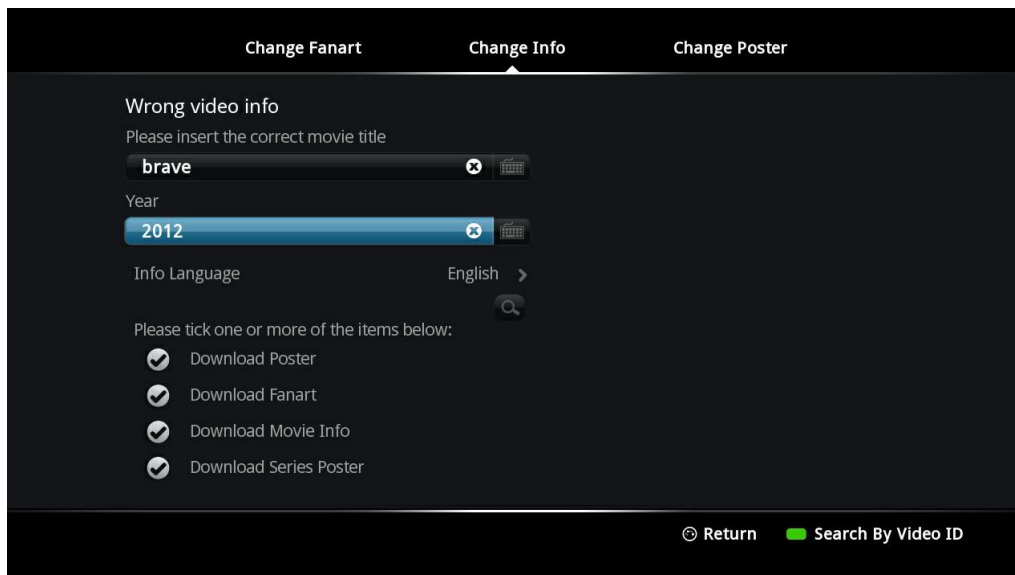


In the NMJ library, select the item that's incorrect and open up the media control panel.

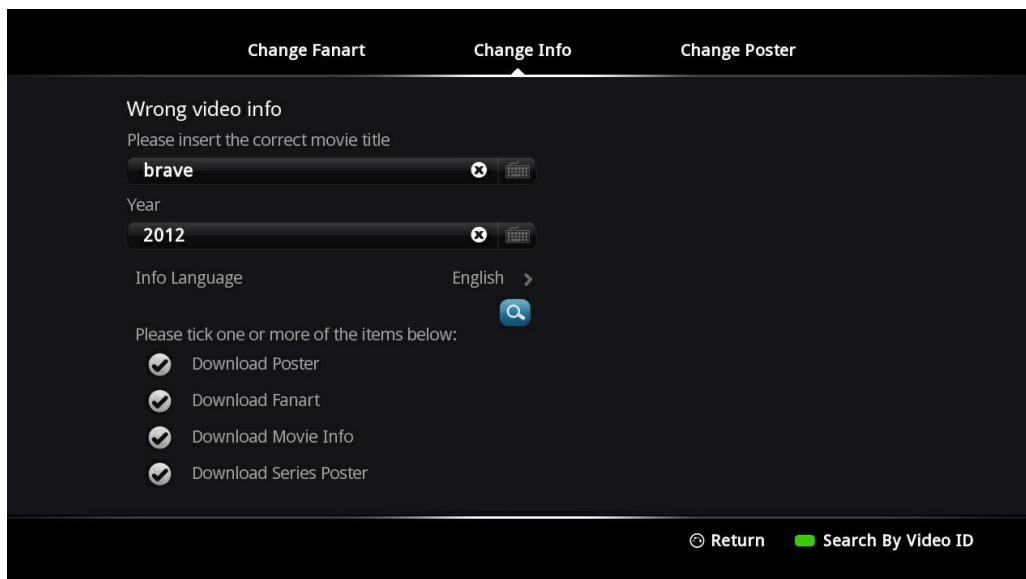
Navigate to the Edit option and press ENTER on the remote.



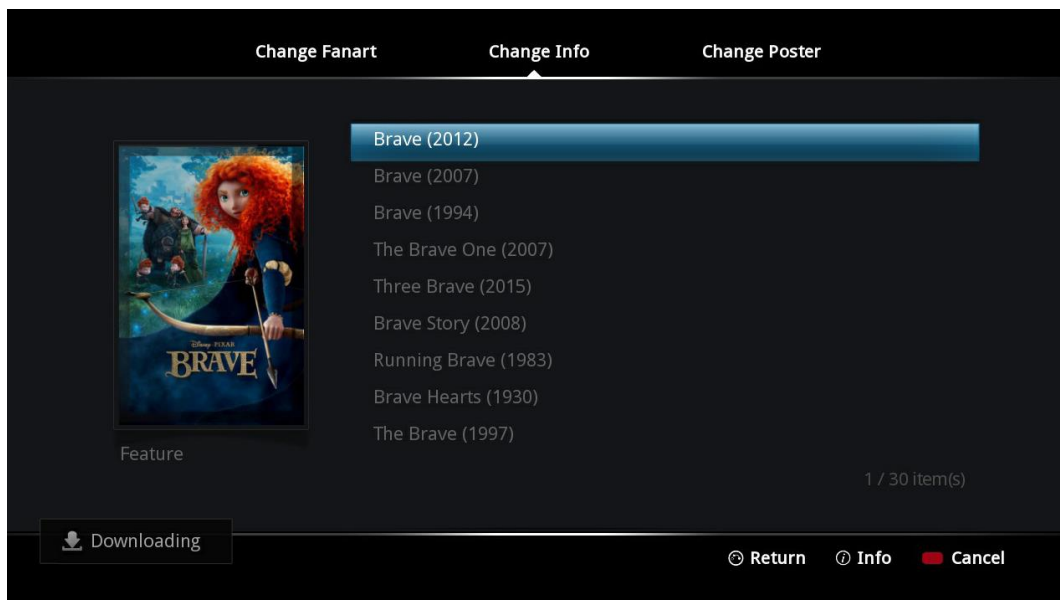
You can use the on screen keyboard on the numerical pad to enter in the title of the movie or TV show.



In this example we removed the subtitle and tried to simplify the search more.



Once you are done typing in the title of the video, navigate down to the search icon and press ENTER on your remote.



Depending on the movie title, multiple results may be shown. Choose the correct result and press ENTER on remote.



The new poster, fanart and meta data will be downloaded and your database will be updated.

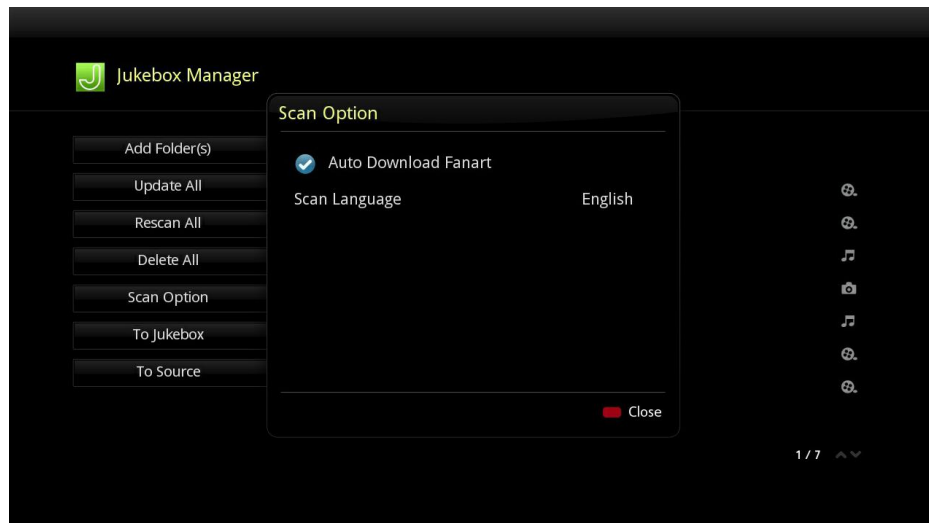
***Tip:** The NMT forum has tools/guides to help you manipulate your NMJ data in many ways.*

## 13.4 Networked Media Jukebox Manager



<b>Add folder(s)</b>	Add additional directories for the NMJ to monitor and add to the NMJ database
<b>Scan All</b>	Will scan and add any new files added to the monitored folders
<b>Rescan All</b>	This option will rescan all media and download everything again
<b>Delete All</b>	This option will delete the NMJ database
<b>Scan Option</b>	Configure additional scan settings, more information below
<b>To Jukebox</b>	Launches the NMJ software
<b>To Source</b>	Launches the file browser





## Scan Option

<b>Auto Download Fanart</b>	Enable or disable automatic download of fanart for video
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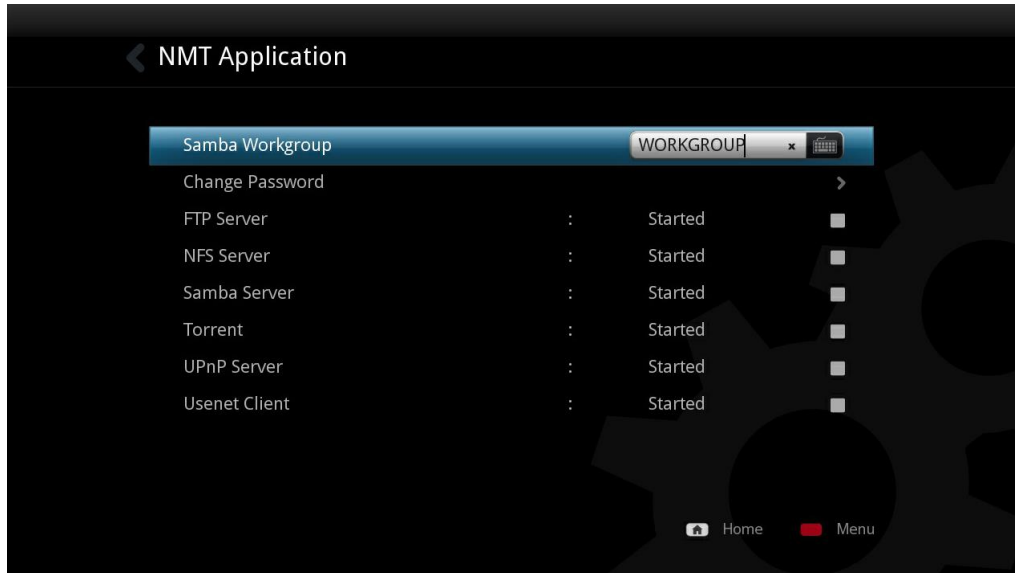
<b>Scan Language</b>	Specify which language to download meta data in (if not available, will default to English)
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## Additional Information

A new folder named "NMJ\_Database" will be created on your storage device. Please do not remove or edit this folder as it contains the NMJ database for your media.

## 14. NMT Apps

NMT Apps turn your Popcorn Hour A-500 PRO into a network attached storage device, Torrent Client, and UseNet Client. An external storage device is required to install the NMT apps.

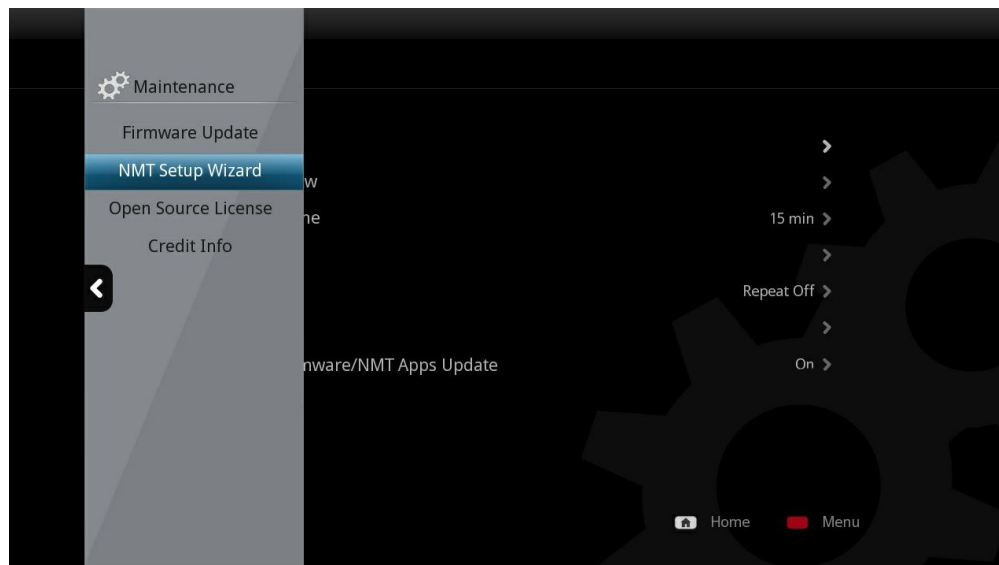


In order to enable file transfer from your PC to the A-500 PRO, you will need to enable SAMBA Server.

<b>Samba Workgroup</b>	Specify the samba workgroup you'd like the Popcorn Hour A-500 PRO device to be on
<b>Change Password</b>	Change the password used to access the local storage via samba or FTP
<b>FTP Server</b>	Start or stop the FTP server
<b>NFS Server</b>	Start or stop the NFS server
<b>Samba Server</b>	Start or stop the Samba server
<b>Torrent</b>	Start or stop the torrent client
<b>UpnP Server</b>	Start or stop the UPnP server
<b>Usenet Client</b>	Start or stop the Usenet client

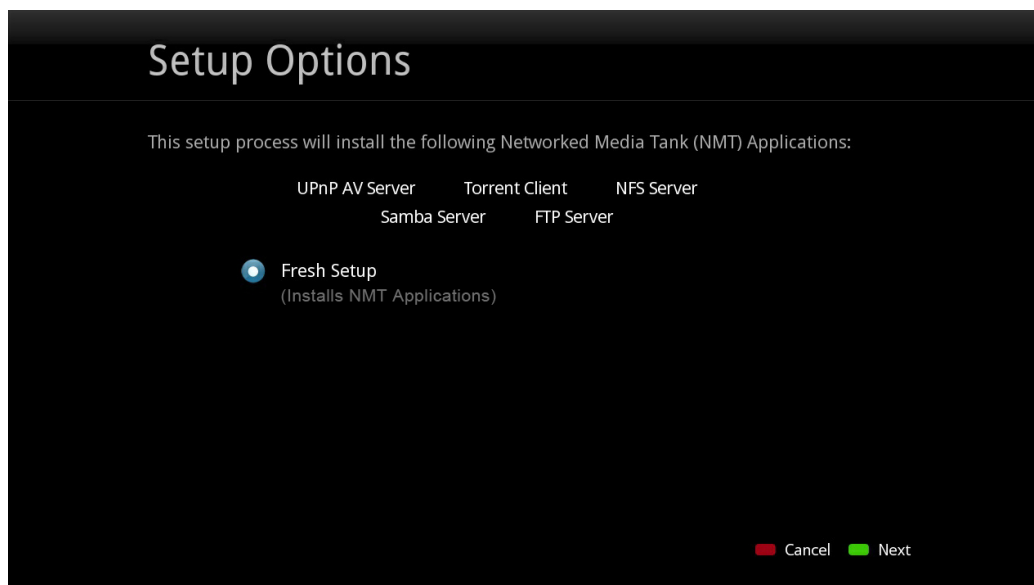
**Note:** The username to access your local storage over samba or FTP is "nmt" without quotes.

## 14.1 Installing the NMT Applications

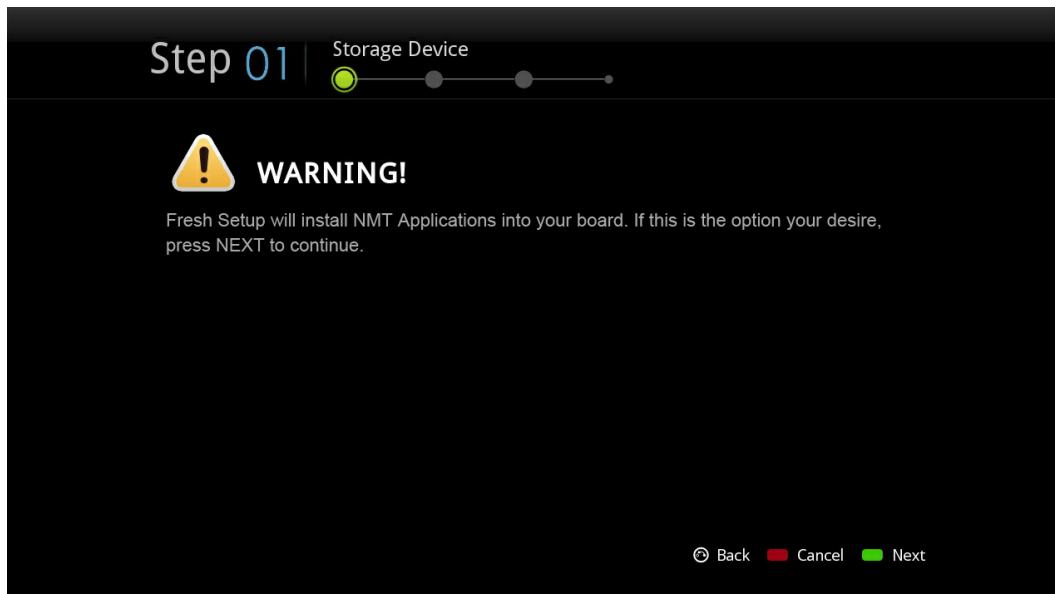


In the Setup menu, select the **Maintenance** and then **NMT Setup Wizard**

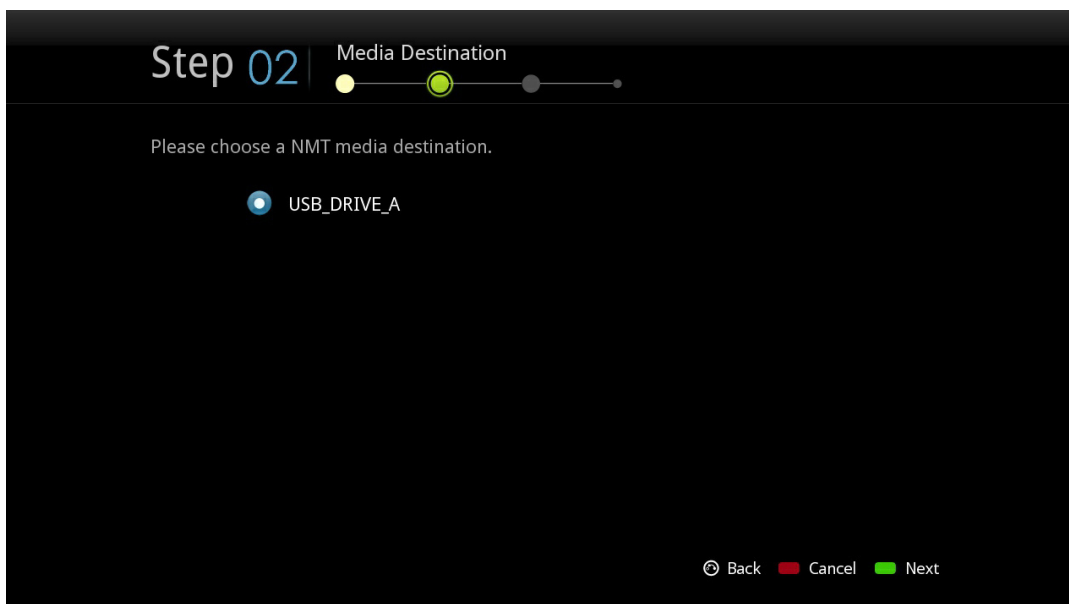
**Note:** The option is only visible if you have a storage device installed



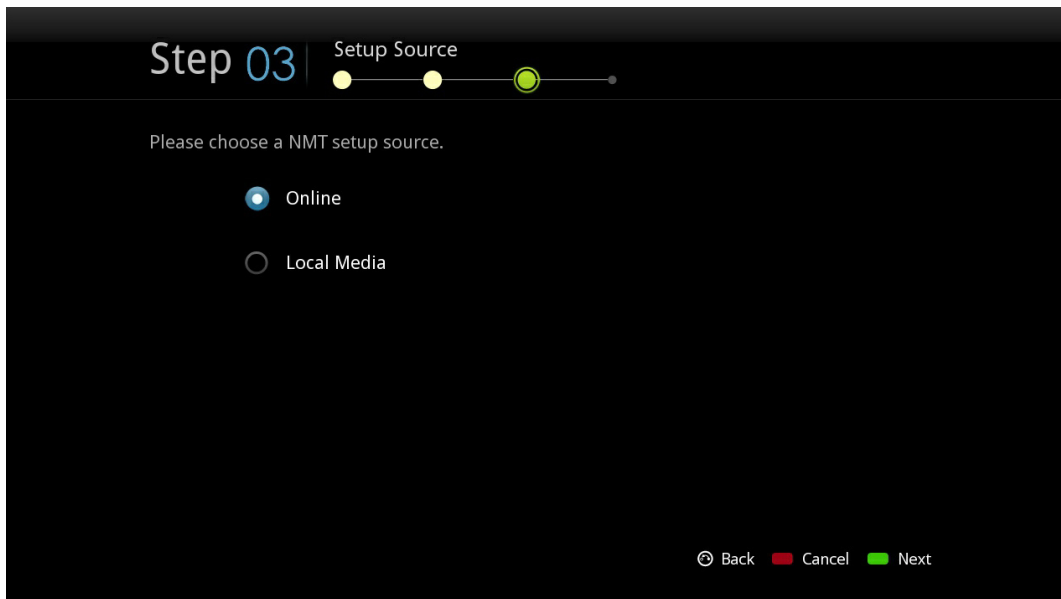
Select the **Fresh Setup** option and press the GREEN button the remote to proceed.



**WARNING:** Please note that this will format the storage device you are setting up; all files on the storage device will be erased and will become unrecoverable.



Choose which USB disk you want to store your media files

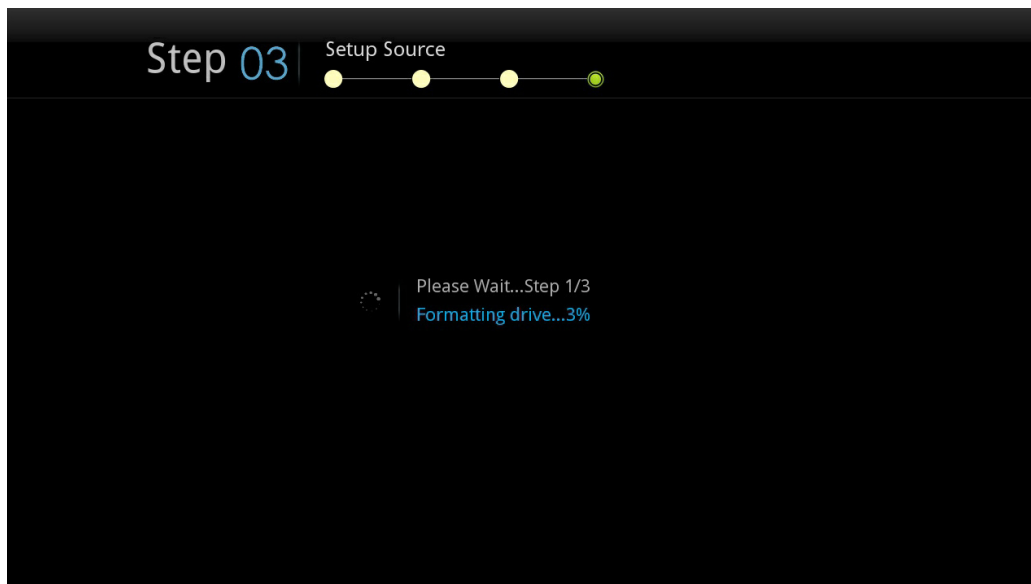


In this example we chose **Online**. If you choose this option, you will be presented with the release notes and terms and conditions.

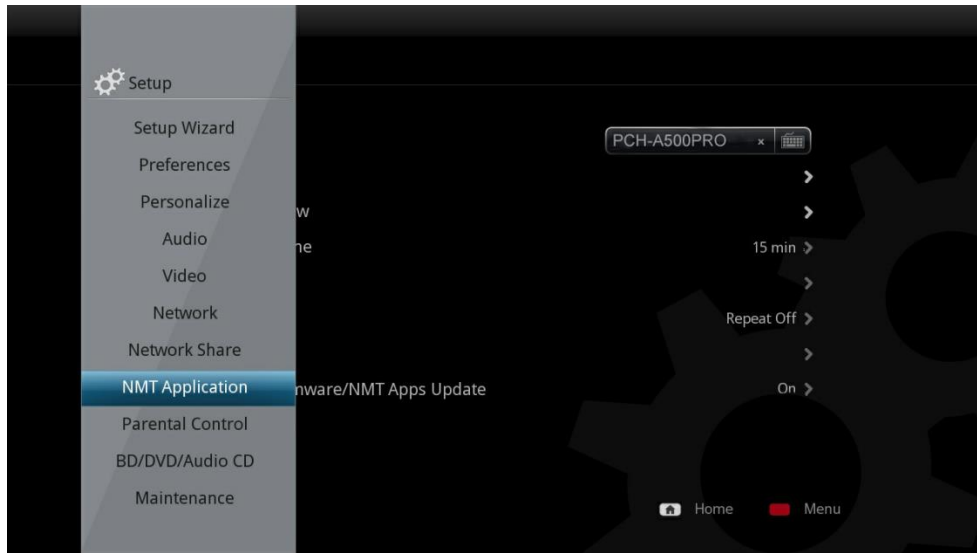
**IMPORTANT:** We strongly advise that you read this information before proceeding.

Proceeding any further indicates that you agree to the terms and conditions.

Once you're ready to proceed, go ahead and press the GREEN button on your remote.



The formatting and installation process then begins. Depending on the size of your storage devices, it may take several minutes to complete. Once the NMT applications are installed, the Popcorn Hour A-500 PRO will restart.



Once the NMT applications are installed, you see a new option in the Setup menu titled **NMT Applications**. In this area you can start and stop the NMT applications.

## 14.2 Using the FTP Server

The FTP service allows for simple and convenient file transfer to and from your Popcorn Hour A-500 PRO. To use the FTP service goes into the NMT Applications section of the Setup menu and starts the service. Please note that the service will remain on, even after a power cycle, until you go back and stop it. To connect to the Popcorn Hour A-500 PRO via FTP, you will need to use an FTP client. Some free clients are FileZilla and Winscp.

If you are using a Windows computer you can use Windows Explorer as an FTP client by typing the following into the address bar:

<http://NMT-IP/>

Where NMT-IP is the IP address or host name of the Popcorn Hour A-500 PRO.

For example: 192.168.1.101 or PCH-A500PRO.

When prompted for credentials use the information provided below (unless you change the ftp password).

Host : IP Address of your device  
Port : 21  
Username: nmt  
Password : 1234

### 14.3 Using the Samba Server

A Samba Server is one of the most common ways to share files over a network. Samba can also be used to stream your content on your local storage to other devices on your network. To use the Samba service goes into the NMT Applications section of the Setup menu and starts the service.

Please note that the service will remain on, even after a power cycle, until you go back and stop it.

To access your Popcorn Hour A-500 PRO over samba, type the IP address or hostname of the device into the address bar on your computer's file browser:

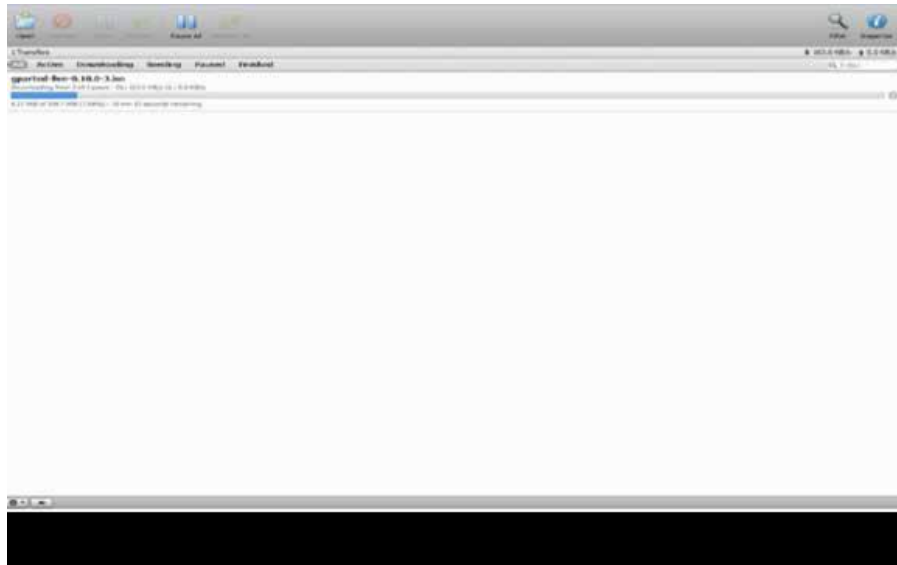
Example : \\PCH-A500PRO\  
\\192.168.1.101\  
\\10.0.0.57\

**Note:** The device name by default is A-500 PRO but can be changed in the Preference section of the Setup menu.

When prompted, use the following credentials (unless you changed the samba password):

Username : nmt  
Password : 1234

## 14.4 Using Torrent Client



The Popcorn Hour A-500 PRO has a built in torrent client, called Transmission. You can use this torrent client to download files rather than leave your computer on. To use the torrent client go into the NMT Applications section of the Setup menu and start the service. Please note that the service will remain on, even after a power cycle, until you go back and stop it.

**IMPORTANT:** The torrent client uses the formatted local storage to save your downloaded files.

Please make sure you have enough space for the download to complete.

Once the torrent service has been enabled on the Popcorn Hour A-500 PRO, you can use your computer web browser to access the Torrent client interface. Type the following address in the address bar of your web browser:

<http://NMT-IP:8077/transmission/web>

Where NMT-IP is the IP address or host name of your Popcorn Hour A-500 PRO. For example:

192.168.1.101 or A-500PRO.

**IMPORTANT:** The computer or device you are using the web browser on must be on the same network as the Popcorn Hour A-500PRO.

At the BitTorrent client GUI, click on Browse and select the torrent file.



Once the torrent file is selected, click on Upload to add the torrent file to the torrent list on your Popcorn Hour A-500 PRO. The torrent client will start to download the file(s).

Other settings are available through the web GUI such as the Scheduler which can be used to schedule torrent downloads and set their upload/download limits.

**IMPORTANT:** The Popcorn Hour A-500 PRO has to be switched ON and properly connected to the internet during the scheduled download time in order for the BitTorrent client to download the required files.

## 14.5 Using Usenet Client

NZBGet is a command-line based binary newsgrabber that downloads files from Usenet servers based on information given in **NZB files**. NZBGet can be installed on the Popcorn Hour A-500 PRO, as part of NMT Apps, and the files can be downloaded directly to the local storage formatted in the NMT Setup Wizard. To use the NZBGet client go into the **NMT Applications** section of the Setup menu and start the Usenet service. Please note that the service will remain on, even after a power cycle, until you go back and stop it.

To run the NZBGet application you need access to a Usenet provider. Your internet service provider may have a news server that you can access, or you can have a separate Usenet account on a **pay-server**.

Once you have a Usenet account, you can configure NZBGet on your NMT to access the account.

Your Usenet provider will provide you with the information required, such as:

1. User ID and Password.
2. News-server name and port to connect (usually at port **119**).
3. Number of concurrent connections allowed.

### 14.5.1 Setting up NZBGET

In the root of your hard disk you will find a folder called **.nzbget**. Inside this folder you will find two files: **nzbget.conf** and **unpak.sh**.

**IMPORTANT:** Some FTP clients may hide this folder because it begins with a dot. On UNIX systems, files or folders that begin with a dot are hidden from normal directory listings. If you cannot see the folder, find an option on your client that will show hidden files or try to type in the folder name.

You can open and edit **nzbget.conf** with a UNIX format capable text editor.

In the text editor, fill in the information you got from your Usenet provider:

# Host-name of news server:

**server1.host=news.yourserver.com** (Put the server name behind the = )

# Port to connect to (default should be set to **119** if not specified):

**server1.port=119**

# Username to use for authentication (change **USERNAME** to the name supplied by your Usenet provider):

**server1.username=USERNAME**

# Password to use for authentication (change **PASSWORD** to the password supplied by your Usenet provider):

**server1.password=PASSWORD**

# Maximum number of simultaneous connections to this server:

**server1.connections=4**

Once completed, save the file to the same place and restart the Usenet service in the NMT Applications menu (**Setup > NMT Applications**).

### 14.5.2 Accessing NZBGET client

To access the NZBget client, type the following into the address bar of your computer's web browser:

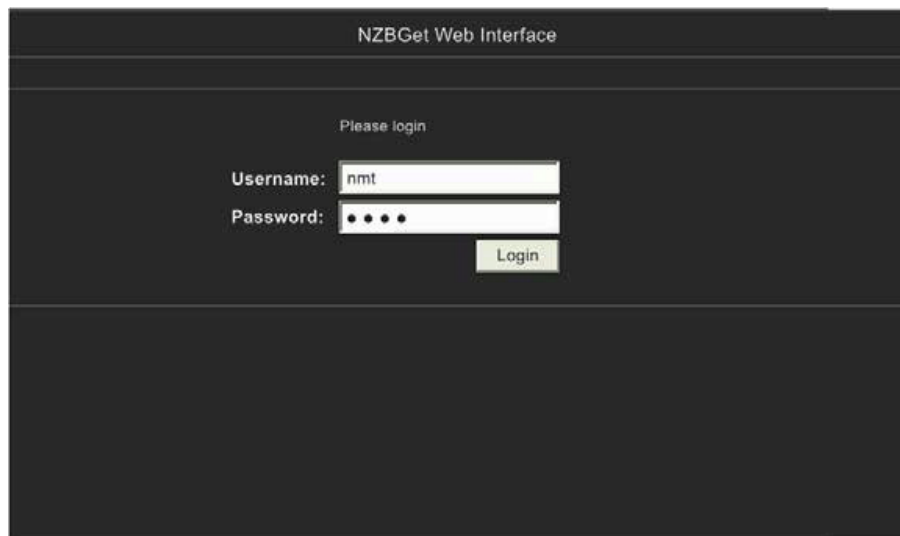
<http://NMT-IP:8066/>

Where NMT-IP is the IP address or host name of your Popcorn Hour A-500 PRO. For example: 192.168.1.101 or PCH-A500PRO.

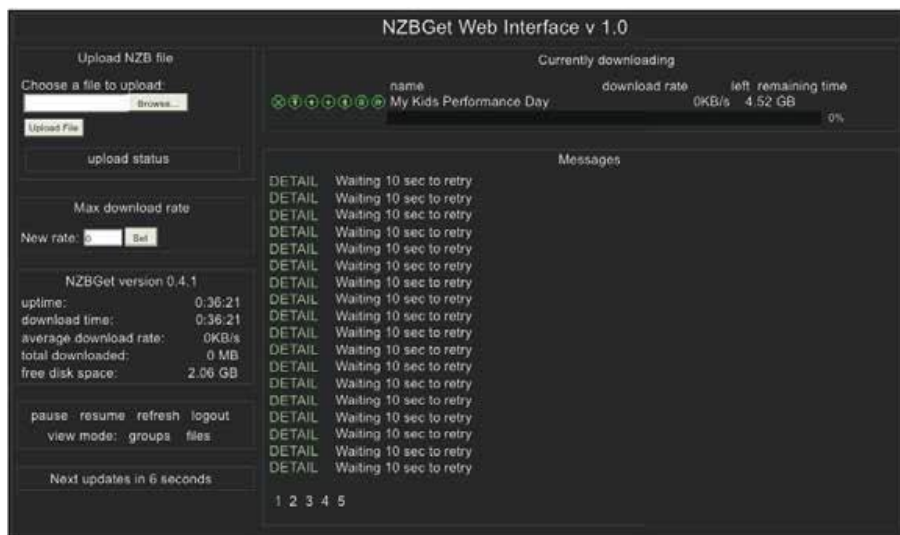
To log in, use the following access username and password (unless you changed the password):

User ID : nmt

Password : 1234

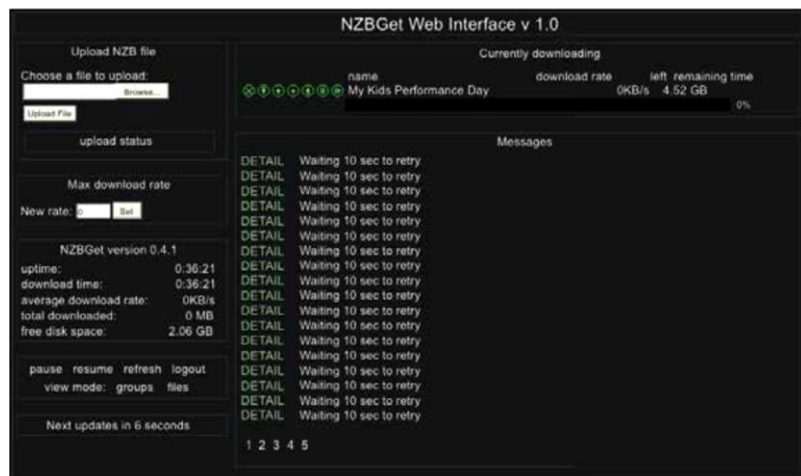


The image shows the login page of the NZBGet Web Interface. It has a dark background with white text. At the top, it says "NZBGet Web Interface". Below that, it says "Please login". There are two input fields: "Username:" with the value "nmt" and "Password:" with four dots. A "Login" button is to the right of the password field.



The image shows the main dashboard of the NZBGet Web Interface v 1.0. It has a dark background with white text. On the left, there's a sidebar with "Upload NZB file" (including a "Choose a file to upload:" button and an "Upload File" button), "upload status", "Max download rate" (with a "New rate:" input and a "Set" button), and system information (NZBGet version 0.4.1, uptime, download time, average download rate, total downloaded, and free disk space). On the right, there's a "Currently downloading" section showing a table with columns "name", "download rate", and "left remaining time". Below that is a "Messages" section showing a list of messages, each starting with "DETAIL" and "Waiting 10 sec to retry". At the bottom, there are "pause", "resume", "refresh", and "logout" buttons, and a "view mode: groups files" selector. A "Next updates in 6 seconds" message is also present.

## NZBGet Web Interface



To perform a download, upload your NZB file by clicking on the **Browse...** button and navigate to the NZB file.

Next, click the **Upload File** button and begin the download.

The file will be uploaded to your NMT and added to download queue. (This process does not upload any files to the Internet).

After uploading the NZB file, it will take a minute before the program commences the download. There is a safety interval of 1 minute while NZBGet ensures that the NZB file is completely on the HDD before commencing the download.

You may adjust the safety interval in **nzbget.conf**, option **NzbDirFileAge**. The progress of the download is displayed on the web GUI for your convenience.

After the download is finished and the NZB file set contains **par2** files, your download will be checked and repaired if necessary. The unpack script in **.nzbget** will be called and your download will be unpacked. The unpack script of the Popcorn Hour A-500 PRO is able to unpack **.RAR** packed files.

With the GUI you will be able to pause, delete, and move your downloads. You may set the file download priority of important files by moving them to the top of the queue with the buttons in front of the file set.

If you want to pause all downloads, you can do that via the **pause** button on the bottom left of the web GUI, and restart it again with the **resume** button.

All downloads will be downloaded and unpacked to the folder **Download** on your Popcorn Hour A-500 PRO's storage device formatted during the NMT Setup Wizard. A subdirectory with the same name as the NZB file will be created.

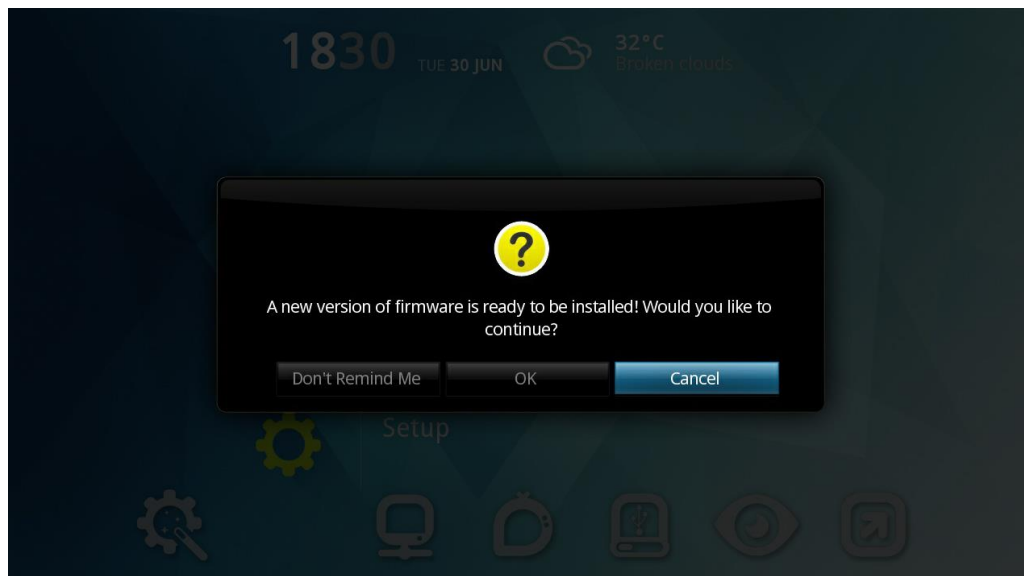
## 15. Updating Firmware

During the lifespan of the Popcorn Hour A-500 PRO, we will continue to develop and improve on the firmware. To receive the latest update, you just have to update the firmware online or via a downloaded firmware package.

### Automatic Update

“If you have enabled the “Check for firmware update” option in the **Preferences** section of the Setup menu, the system will automatic prompt you whenever there is a new firmware update available.

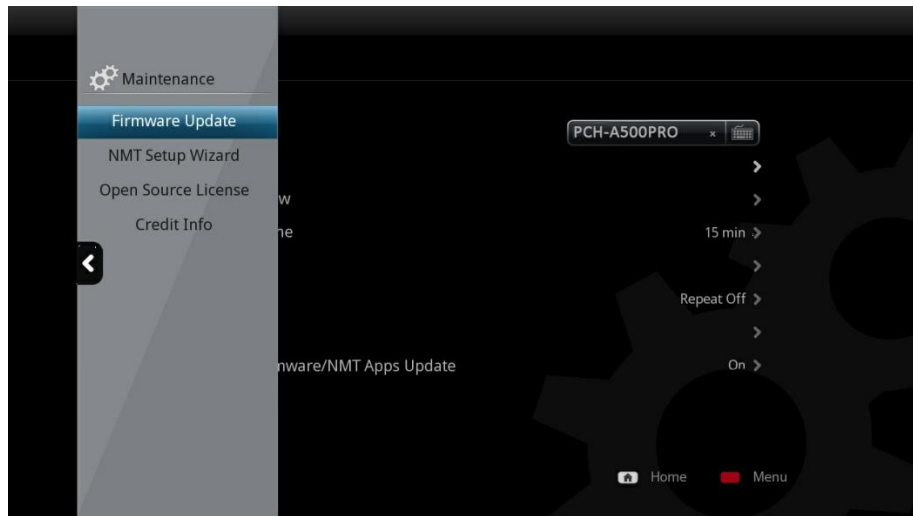
The system will automatically download the latest firmware from our server and update your device accordingly.



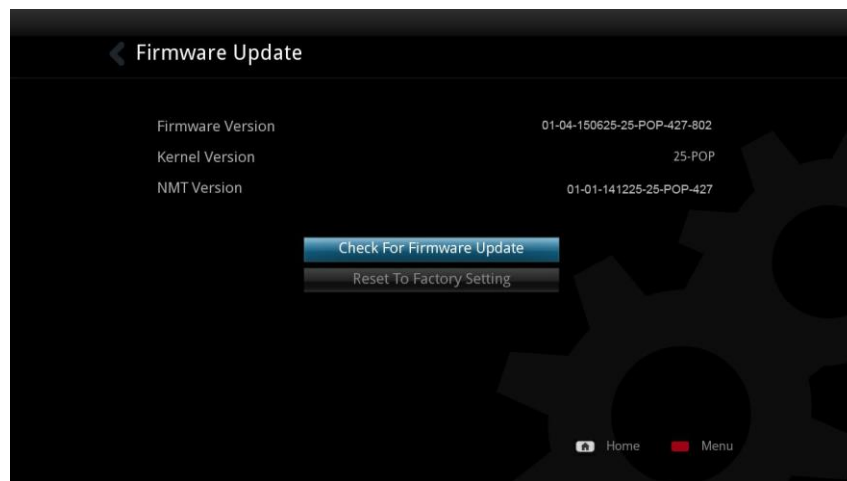
**IMPORTANT:** It is recommended that before the firmware update you do a complete power cycle of the device. This will ensure that the system is prepared for firmware update process.

## Manual Update

You may also manually check for firmware updates via the Maintenance section in Setup.

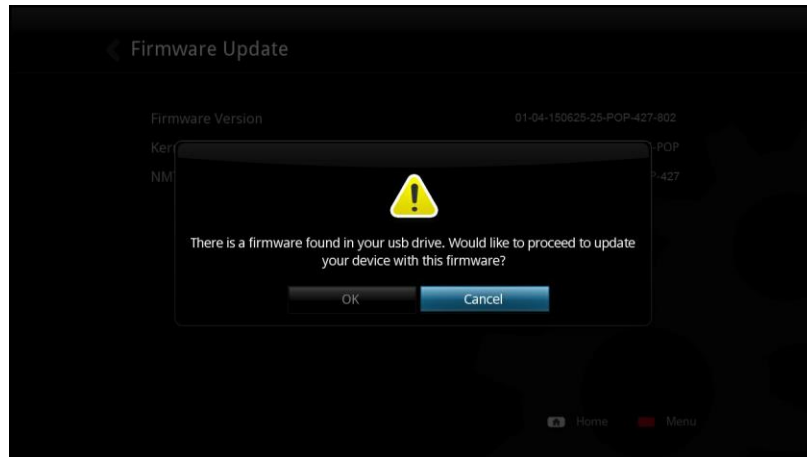


Navigate to Setup -> Maintenance -> Firmware Update and press ENTER on the remote.



Choose the **Check For Firmware Update** option and press ENTER on remote.

You can update the firmware in two ways; either directly off the web or you can manually download the update from <http://support.popcornhour.com/> and update it over USB.

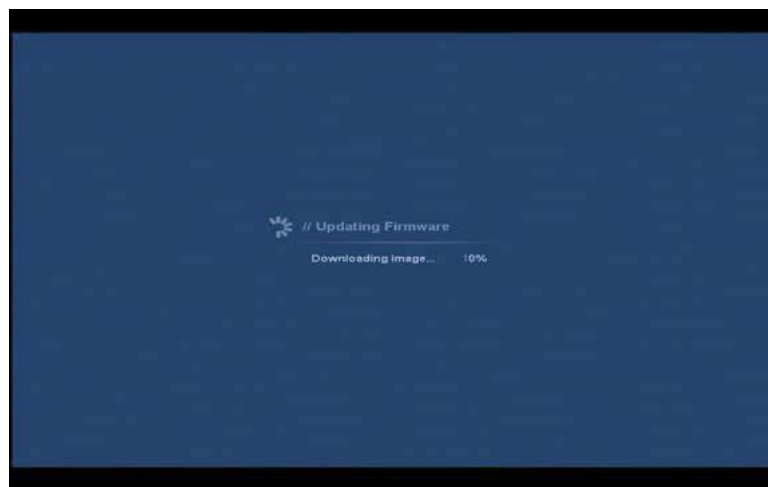


If you have manually downloaded the firmware from our support site and have the USB drive with it inserted, the system will prompt you to continue with the update.

If you are updating via the web, you will see the release notes as well as the terms and conditions for the firmware.

Press the GREEN button on your remote to agree and begin the update.

**IMPORTANT:** We strongly advise you to read this information before proceeding. Proceeding any further indicates that you agree to the terms and conditions.



When the firmware is updating, you will see a blue screen with the status.

**WARNING :** DO NOT DISCONNECT THE POWER TO THE DEVICE DURING THE FIRMWARE UPDATE PROCESS. Doing so may cause the device to become inoperable.

*Tip: It is best practice to do a Factory reset after doing each firmware update*



## 16. Introduction to Music Home

The MUSIC HOME can also be the main hub for accessing content from a LOCAL MEDIA (USB or internal hard drive) or from a NETWORKED MEDIA or from the APPS MARKET.

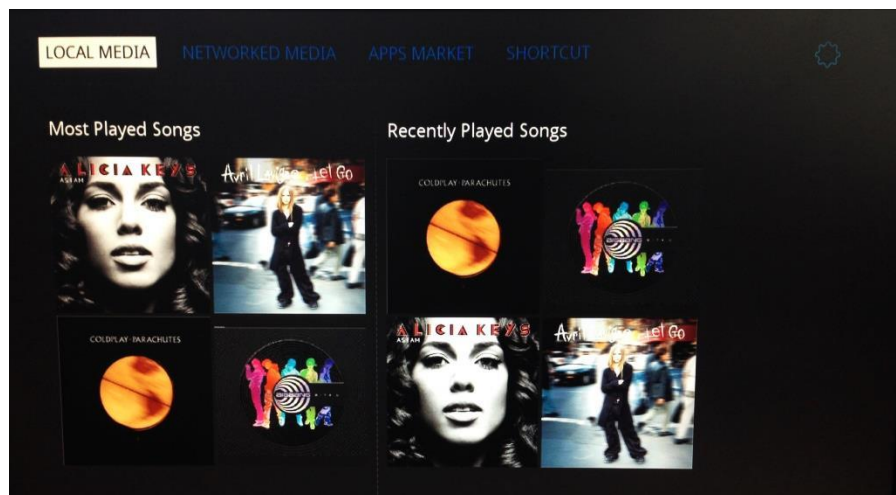
### File Browser

Using the file browser, you can copy, move, delete and rename files. You can view information and download poster art. The file browser displays all your folders and files in list format and allows for different sort and filter options.

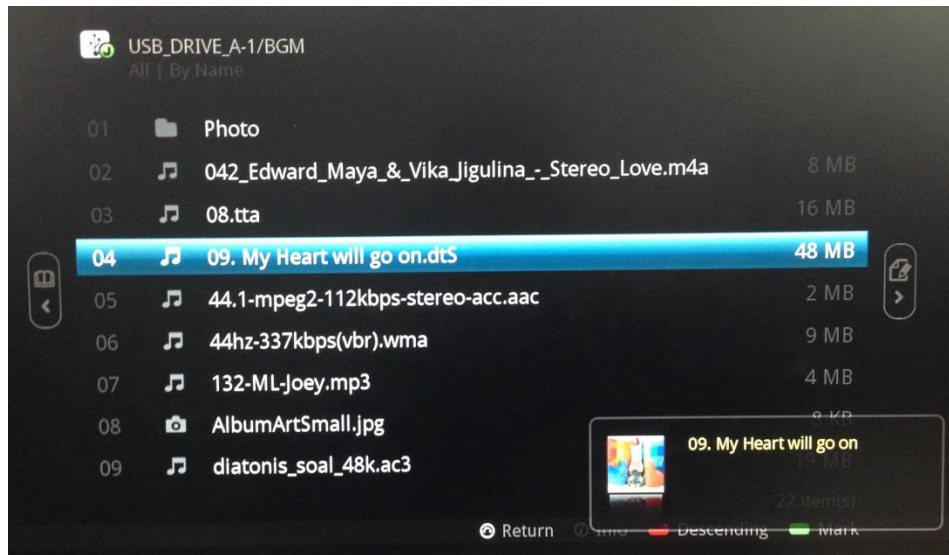
<b>Networked Media</b>	Access and browse your network shares from the network option. Network shares that you have added are listed at the top and any other auto-discovered network devices are listed below. If a username and password is required to access the share, you will be prompted.
<b>Local Media</b>	Browse your media files stored on your external connected USB device, such as portable HDD, USB Thumb drive, and optical device.


### 16.1 Local Media

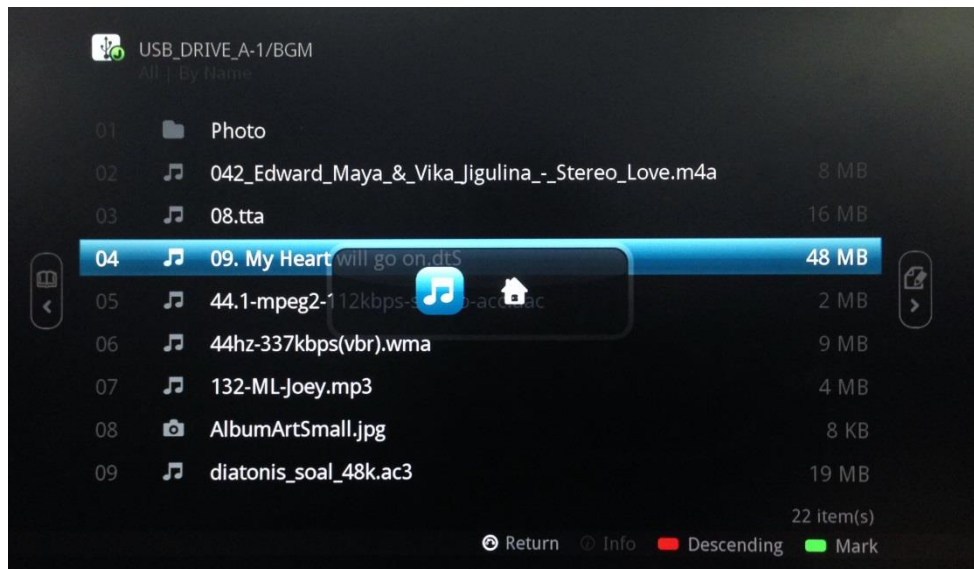
To navigate to the content in your local media, plug in your local media to the respective ports. After that, click on the local media on your music home.

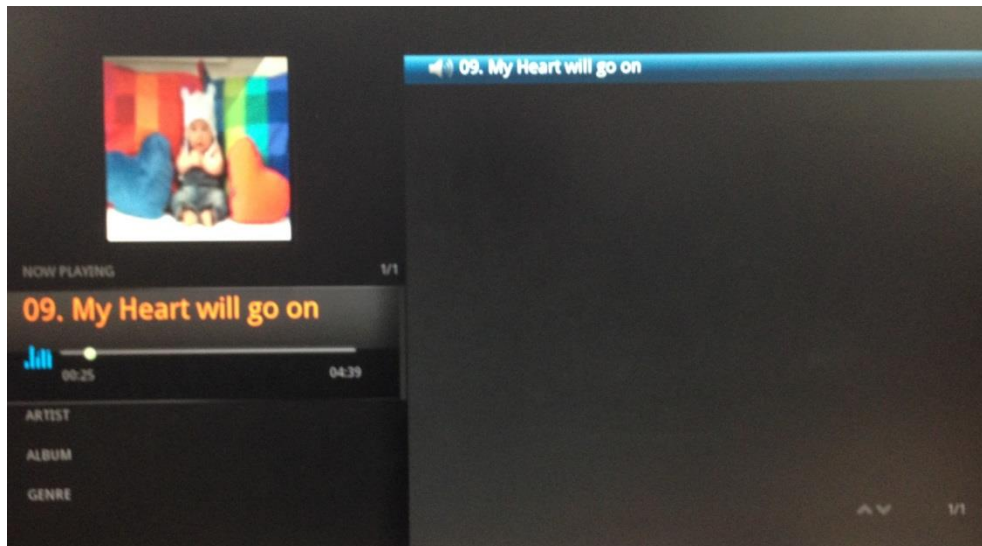


Select the content you would like to play in your local media.



To access to the Now Playing playlist, press the source button  on your remote control and click on the Music icon.



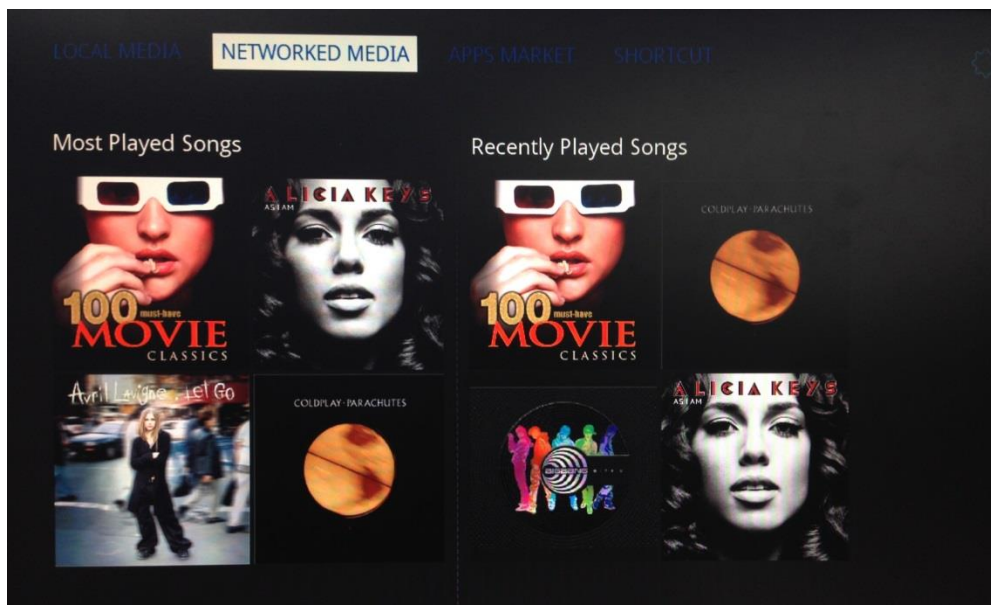


## 16.2 Networked Media

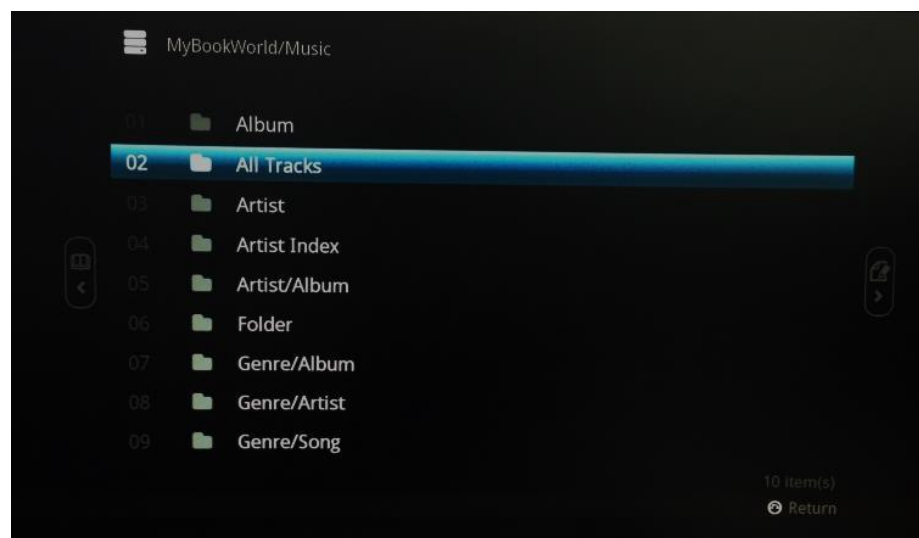
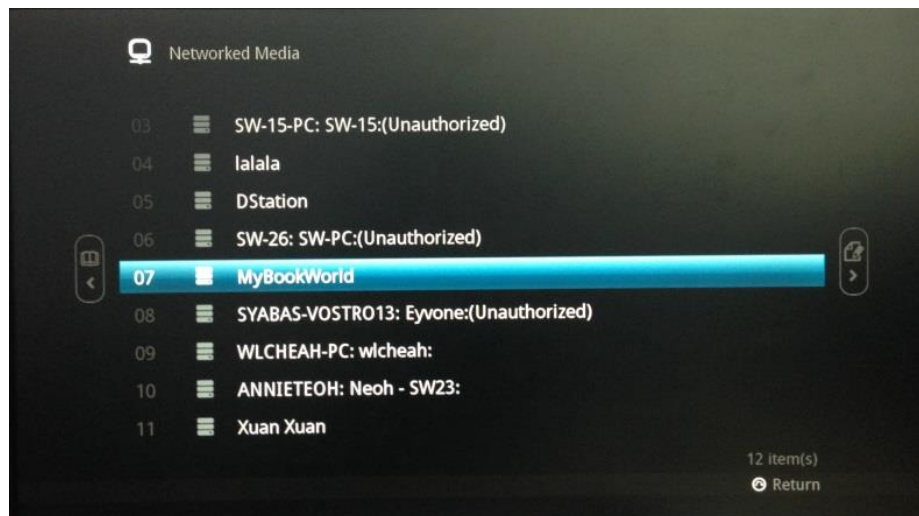
Access to your content through a list of available network shares using UPnP, SAMBA or NFS.

### 16.2.1 Navigation to content via UPnP

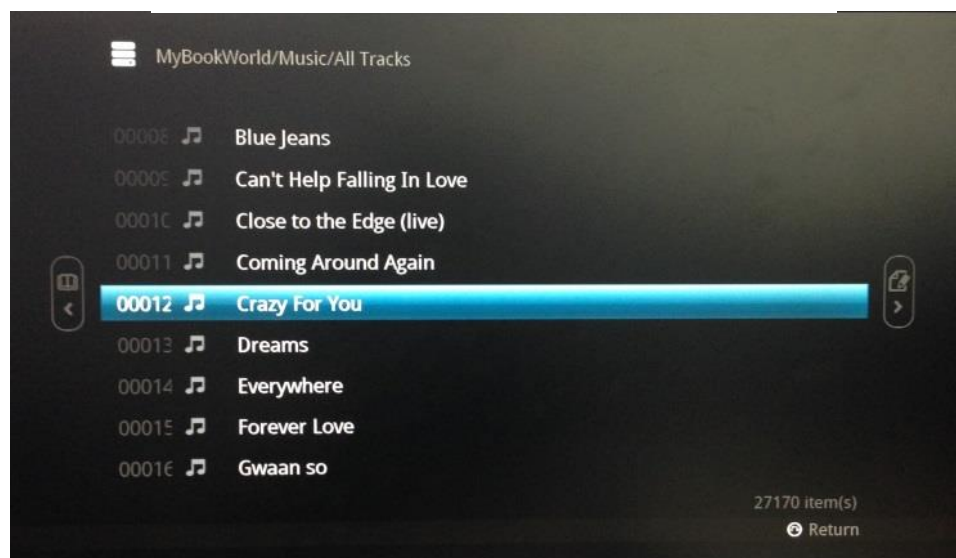
By using your remote control, choose **Networked Media** on the Music home.



Under Networked Media, select the UPnP servers you would like to access.



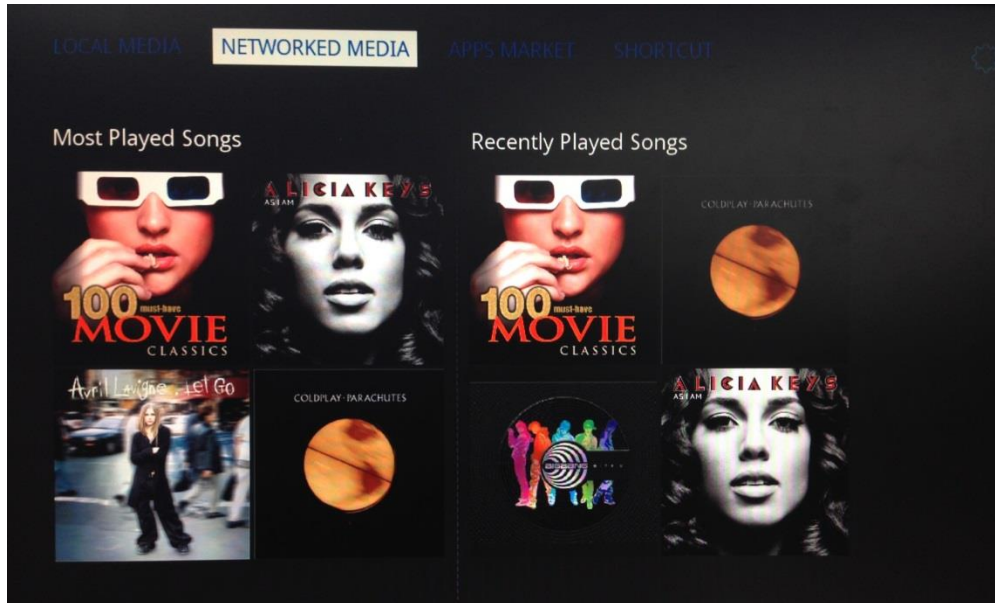
Click on the song you would like to play.



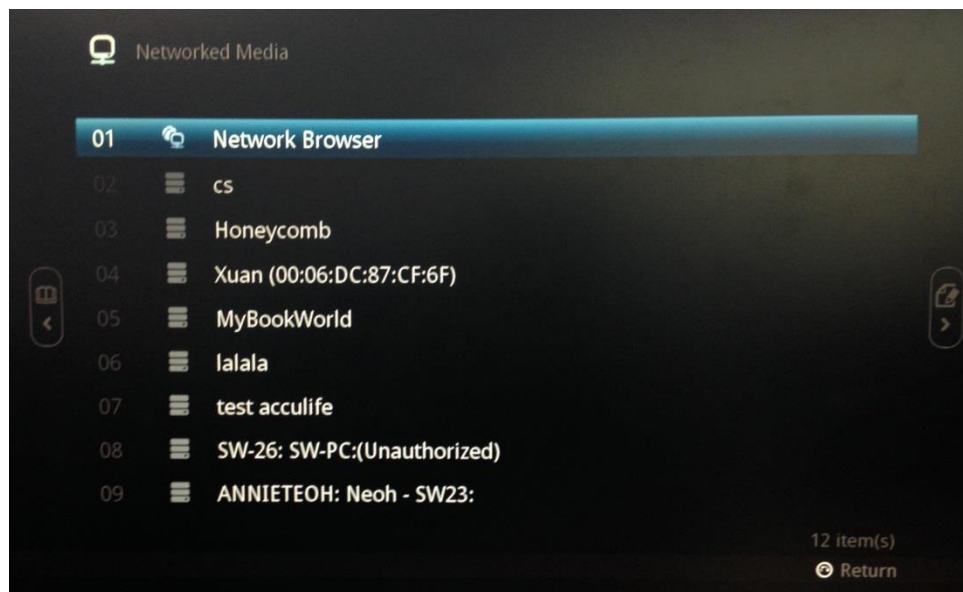


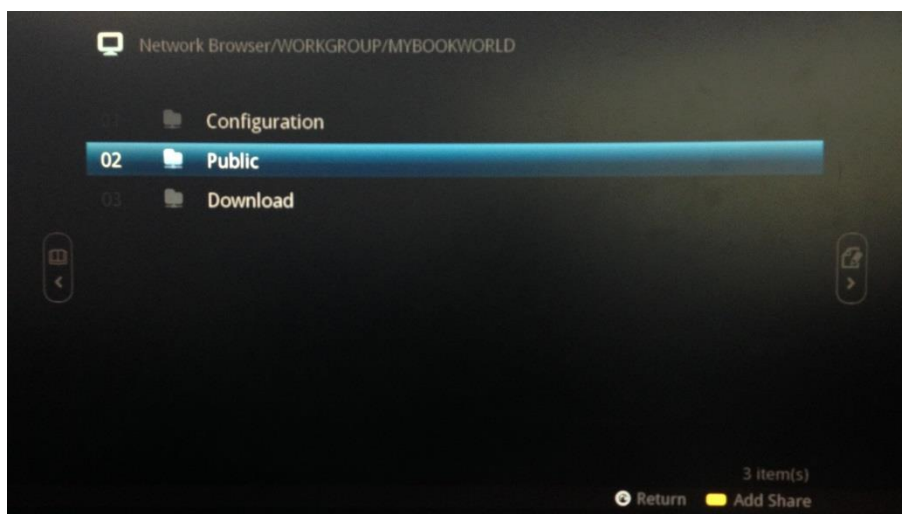
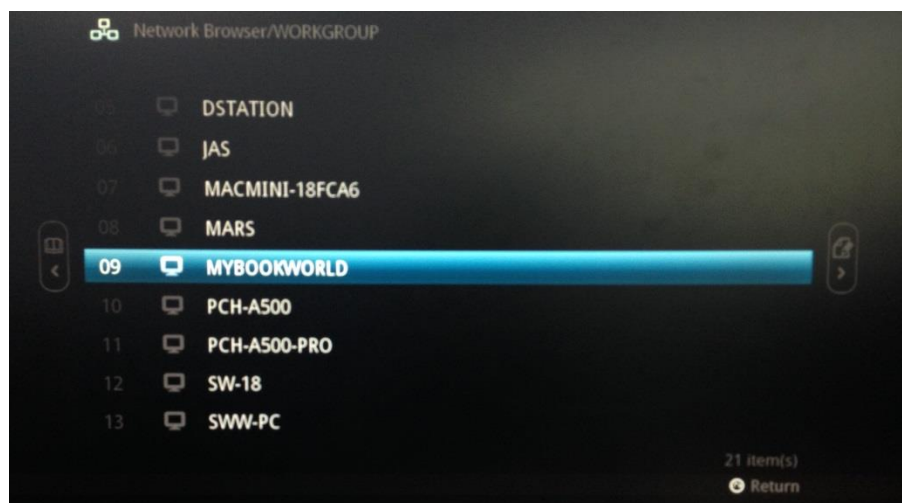
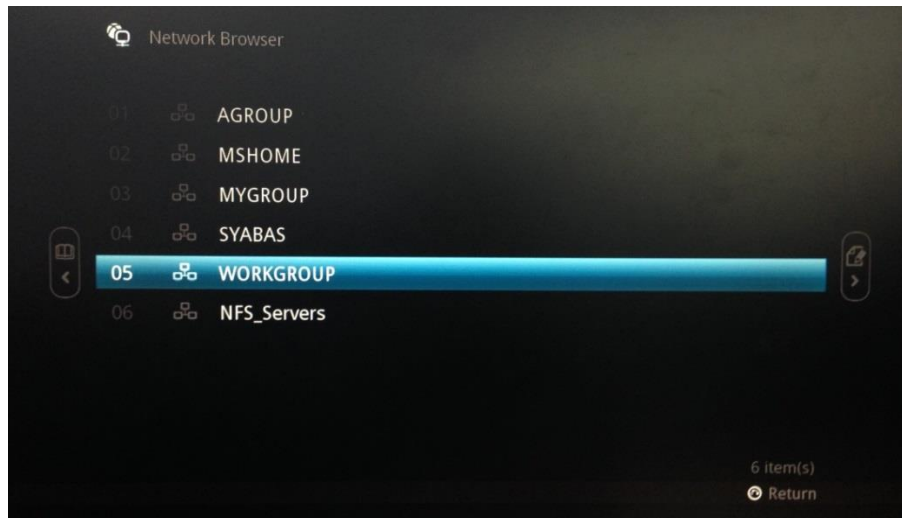
### 16.2.2 Navigation to content via SAMBA

By using your remote control, choose **Networked Media** on the Music home.

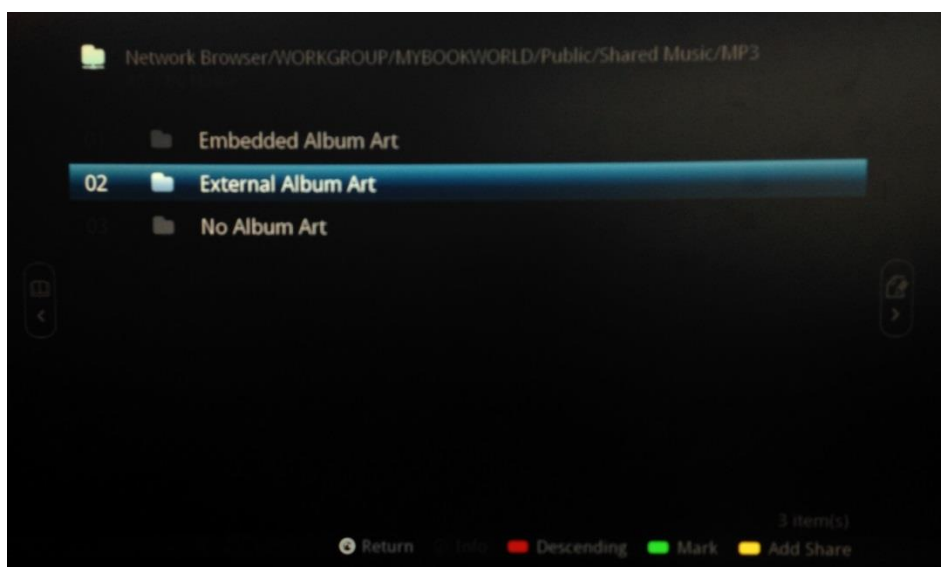
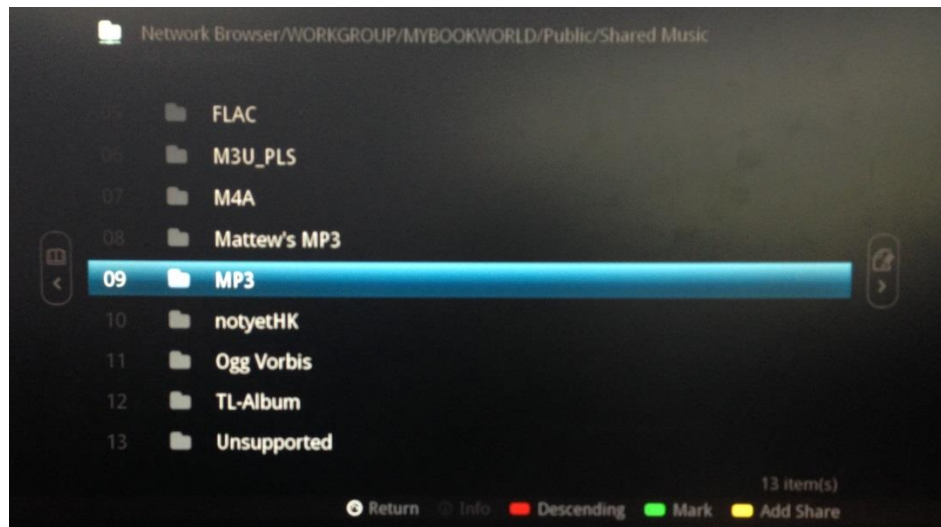
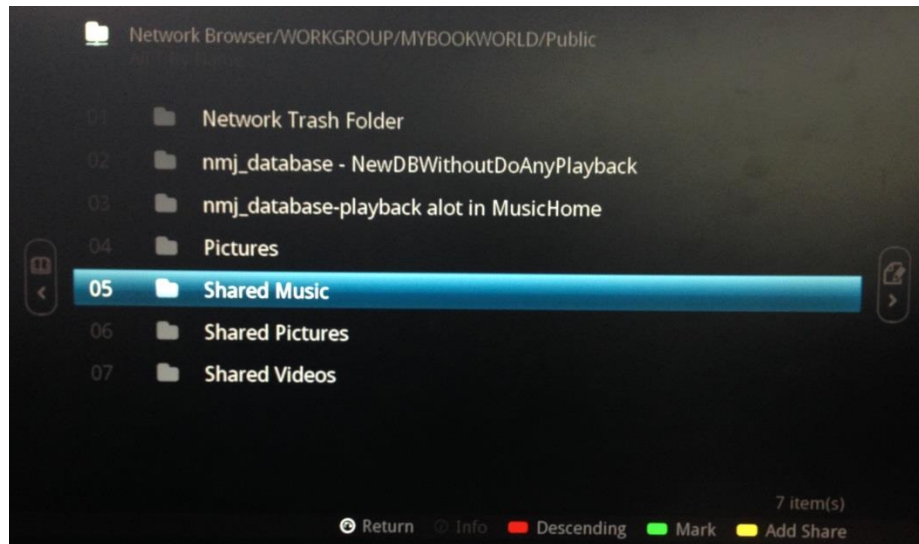


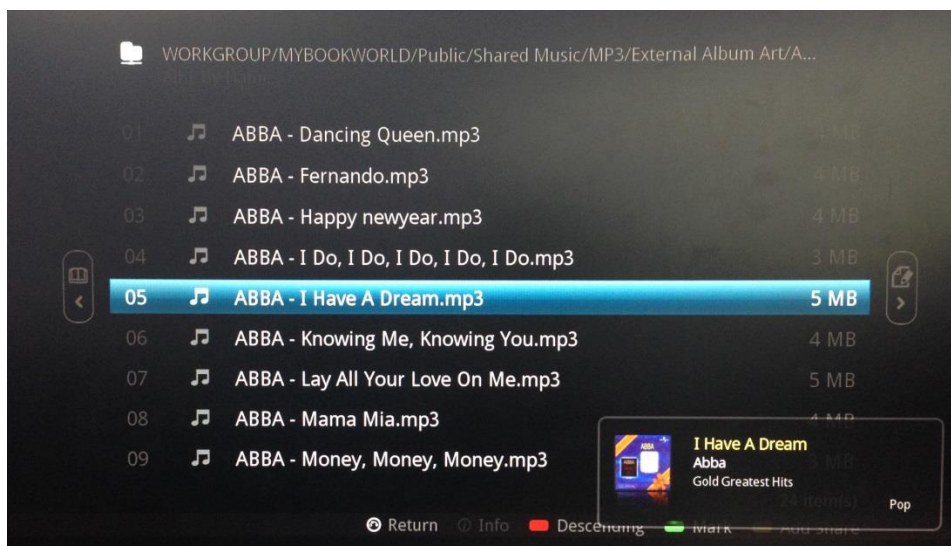
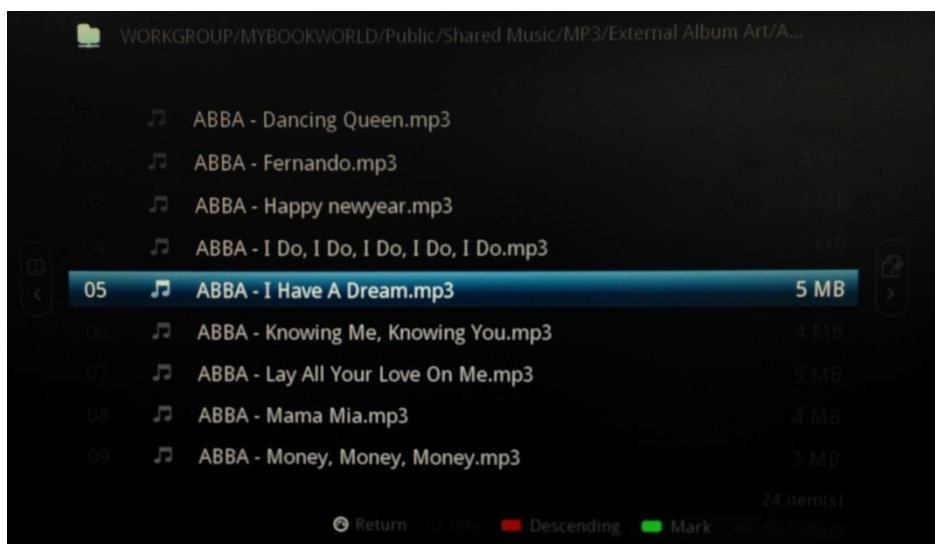
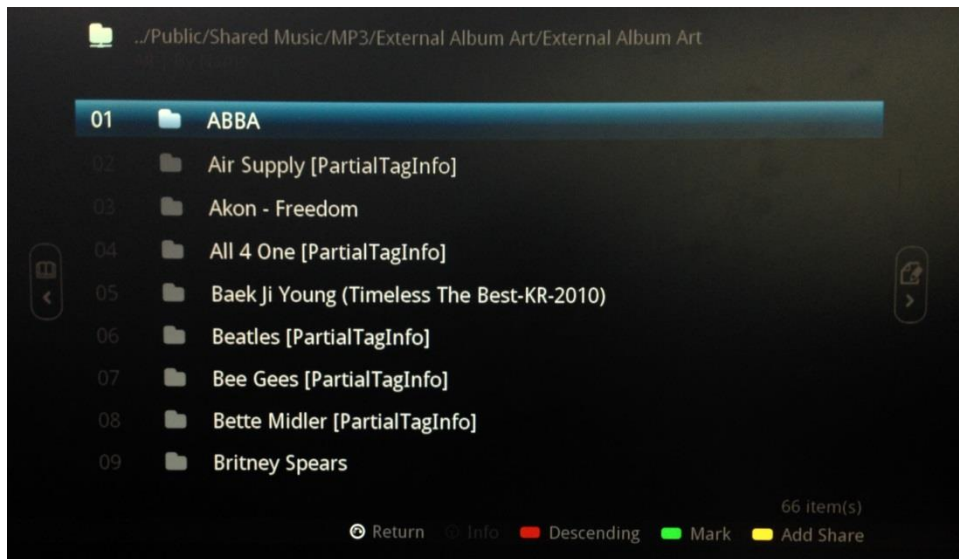
Under Networked Media, choose **Network Browser**. Then, select the workgroup and the file you want to access.






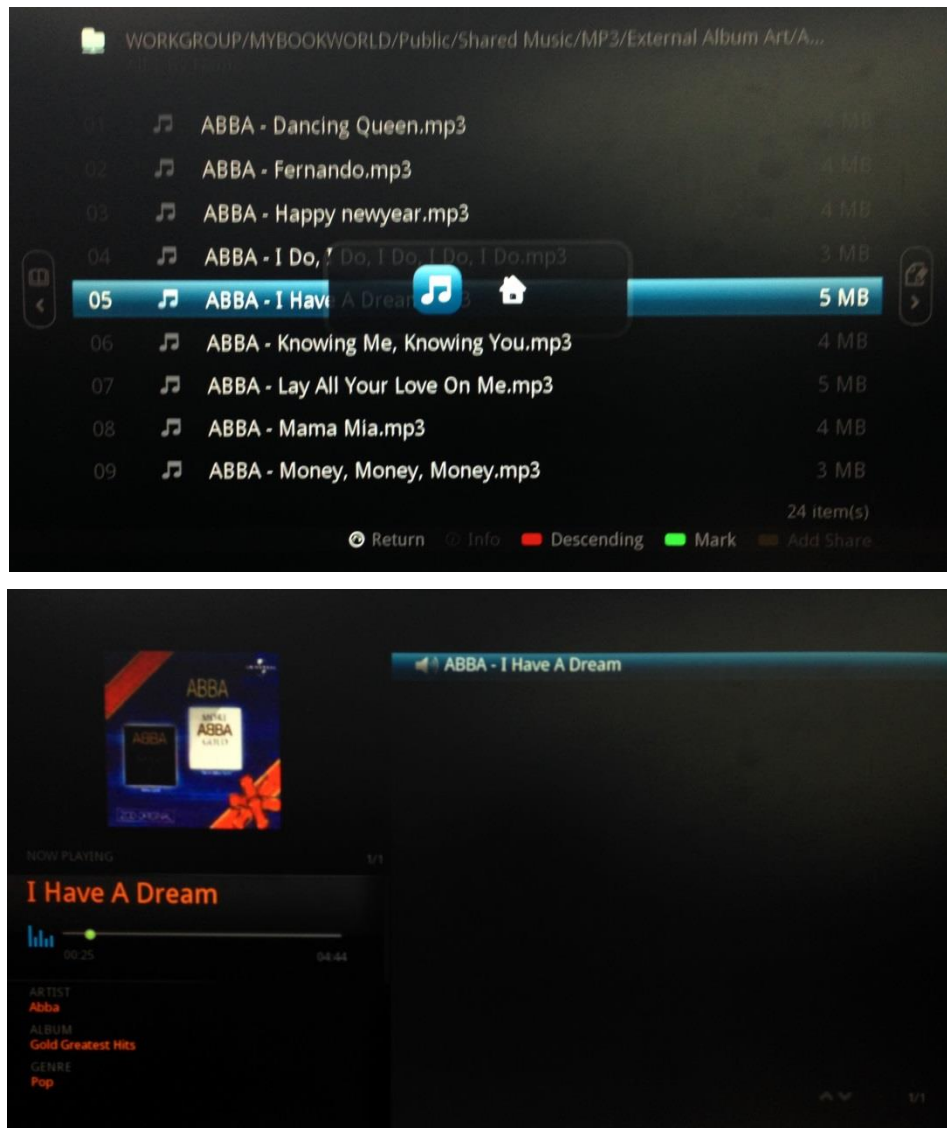
Select the shared folder and file you would like to play your content



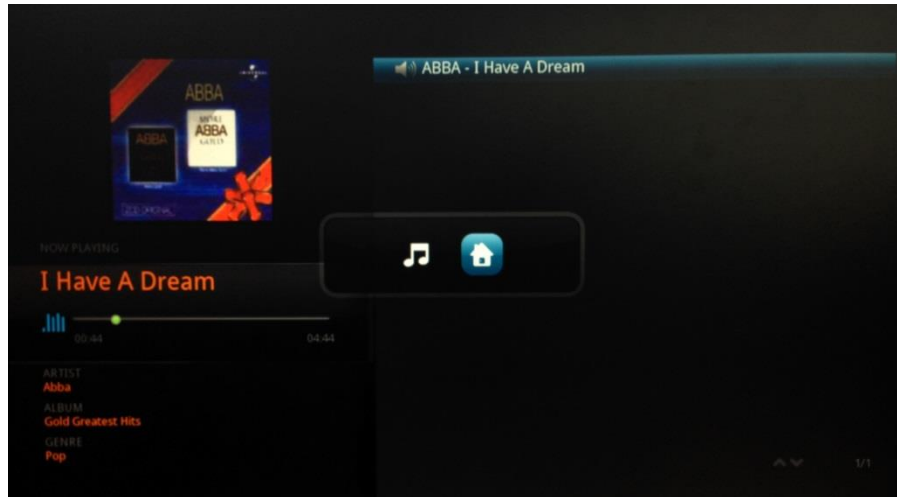




To access to the Now Playing playlist, press the source button  on your remote control and click on the **Music** icon.

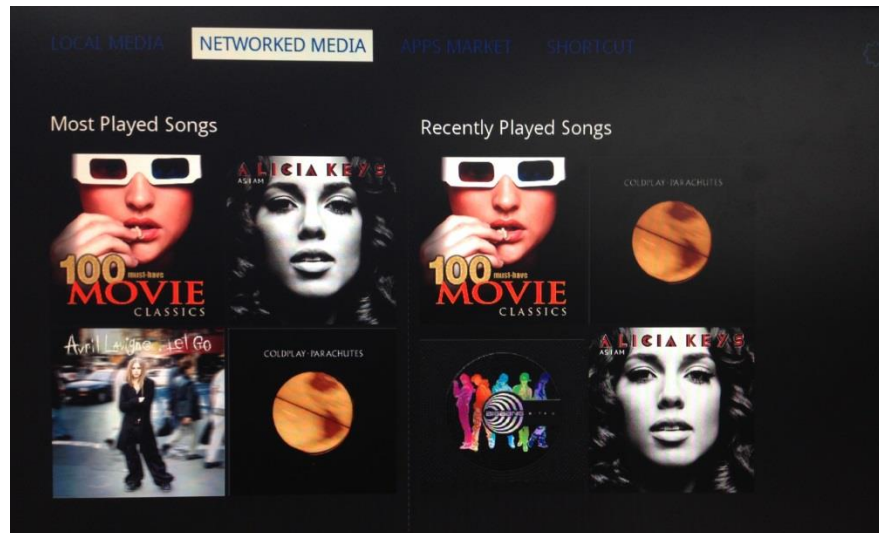


To go back to the Playlist, just press the source button  on your remote control and followed by the **HOME** icon.

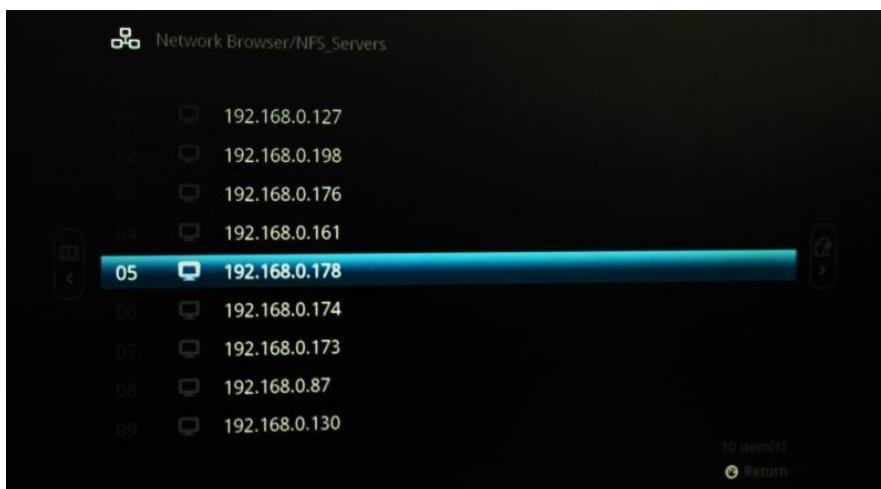
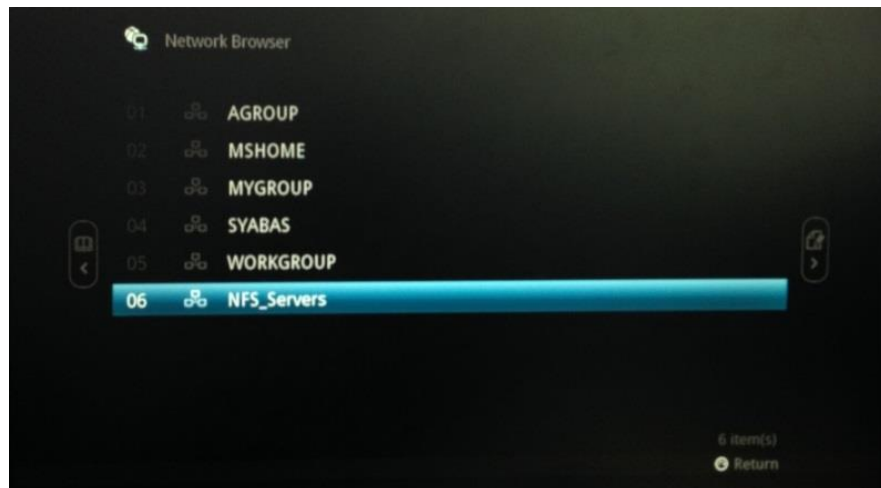


### 16.2.3 Navigation to content via NFS

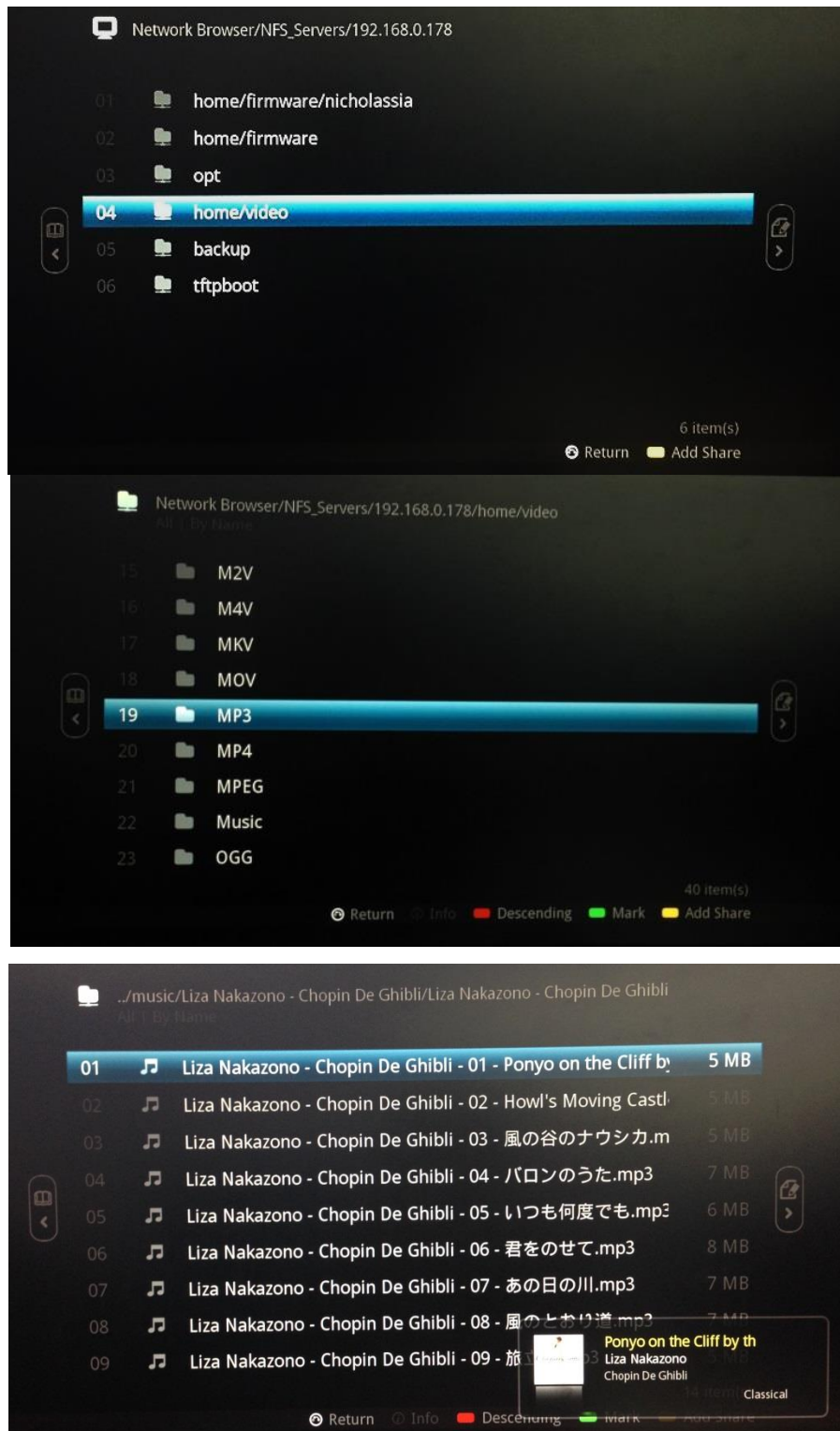
By using your remote control, choose **Networked Media** on the Music home.




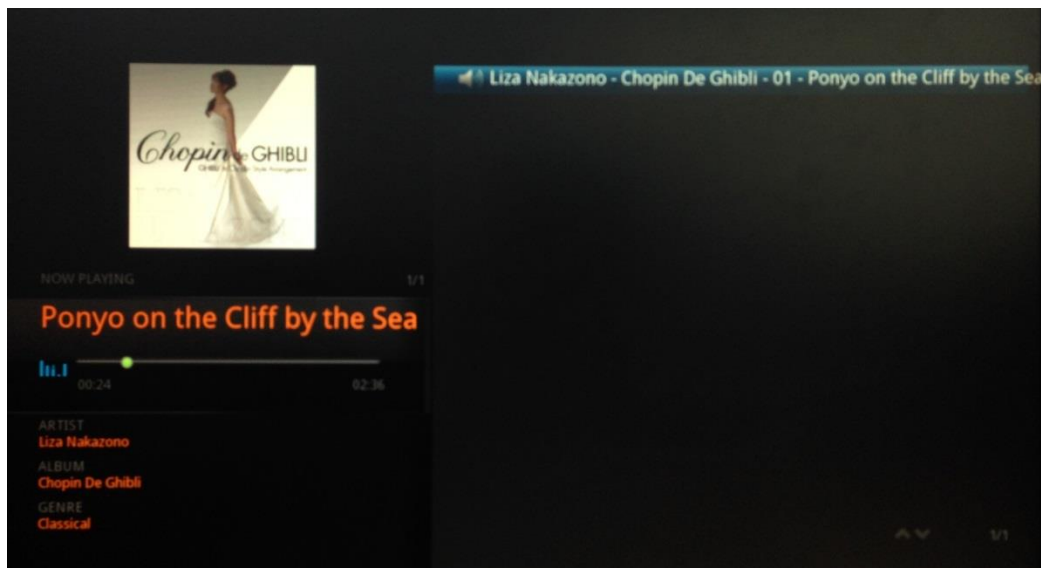
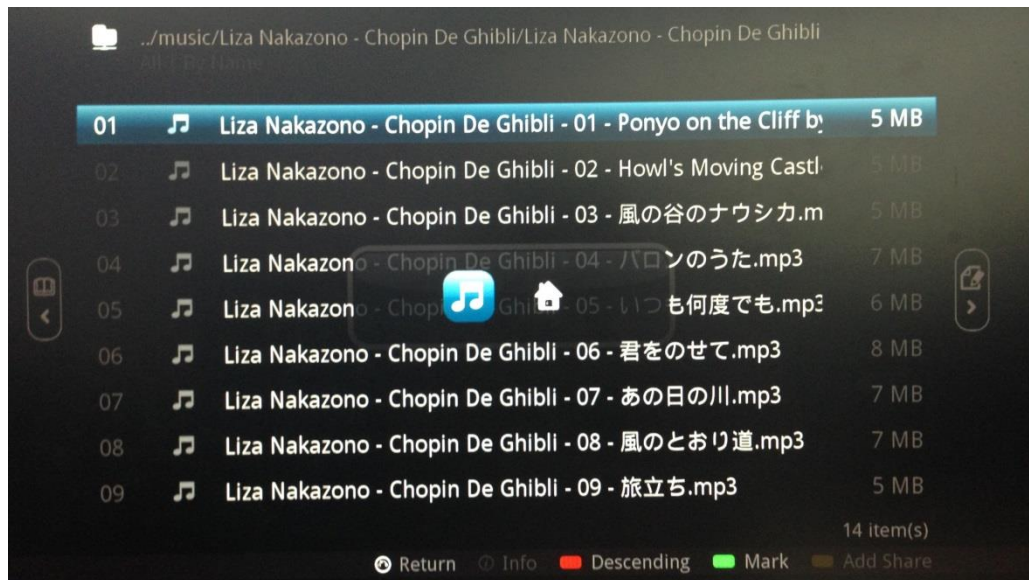
Under Networked Media, choose **Network Browser** then **NFS\_Servers**.  
Then, select the IP address through the list of device that you would like to connect to.




Then, select the shared folder and file you would like to play your content.

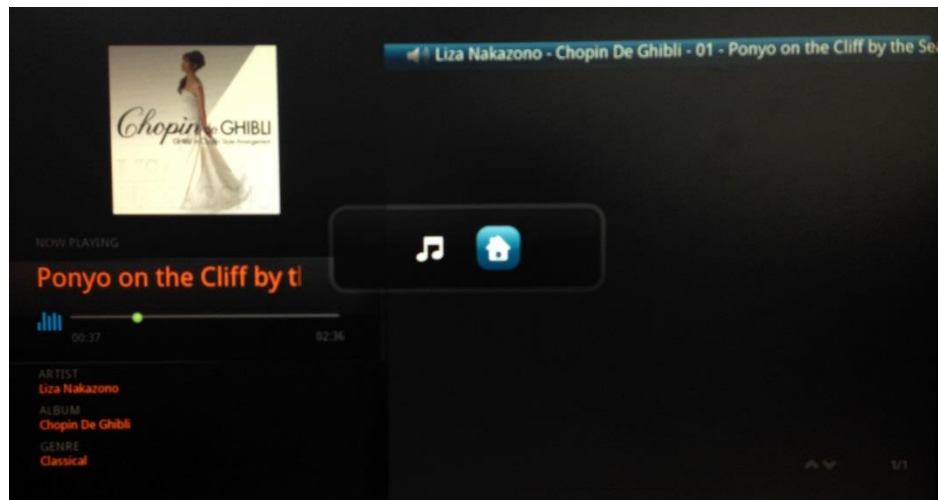


To access to the Now Playing playlist, press the source button  on your remote control and click on the **Music** icon.





To return to the main playlist, press the source button  again and select the **Home** icon.




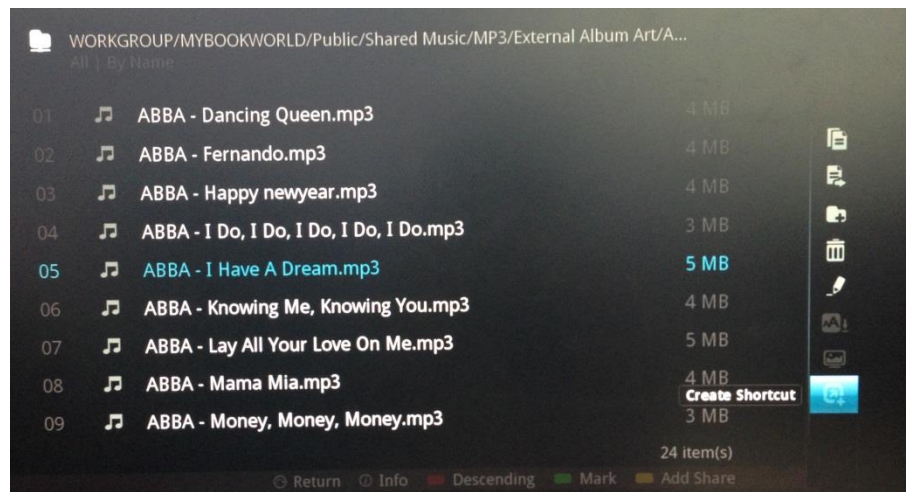
### 16.3 Apps Market

Access Apps Market to install apps.

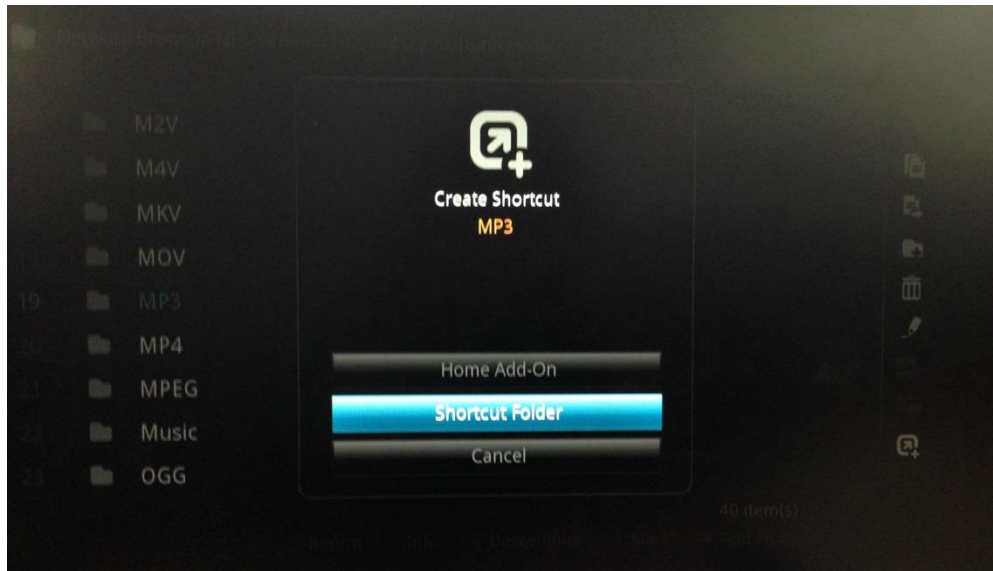
### 16.4 Creating Shortcut

Shortcut allows quick access and navigation to your files.

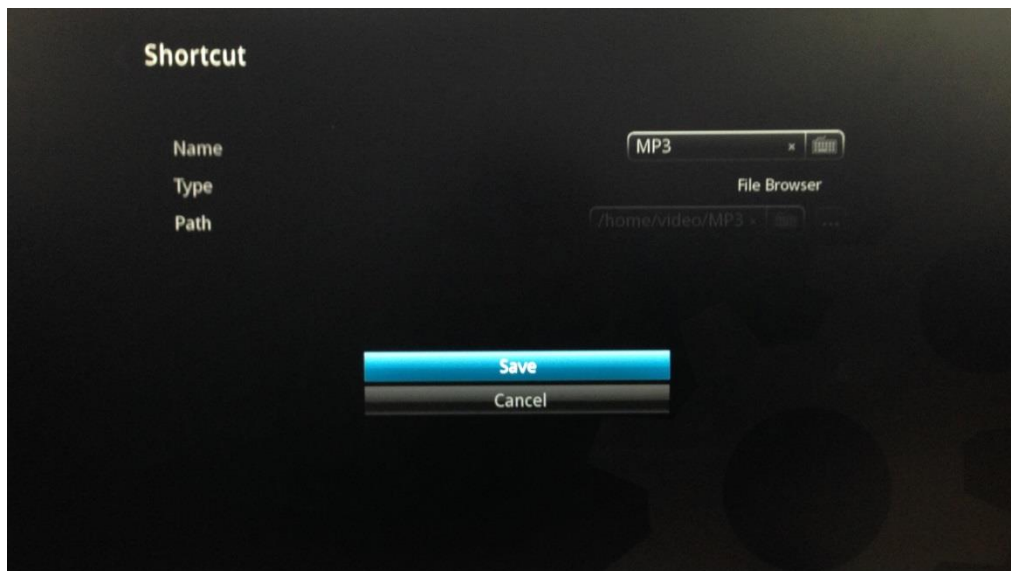
To create shortcut, point on the file you would like to create its shortcut. On your remote control, click on the right directional key on your DPad  Select the last icon to create shortcut.



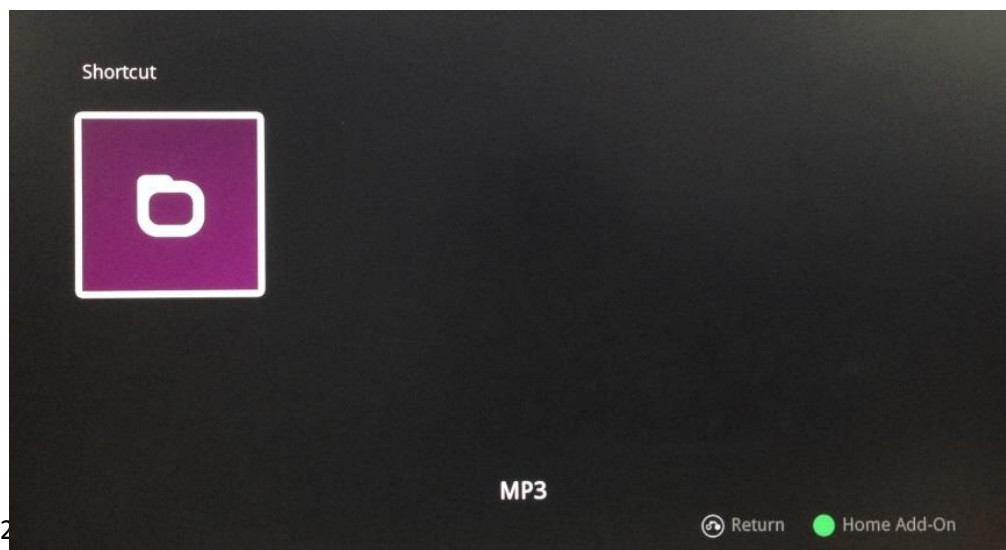
In the Pop-out window, choose **Shortcut Folder**.



Click **'Save'** after you have renamed your file.



Now, you can find your shortcut files that you have created in the shortcut folder.

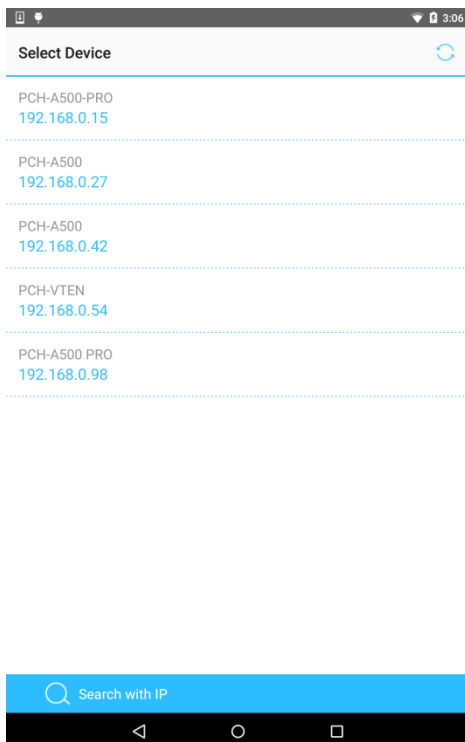


## 16.5 Content Navigation via Mobile NMJ App

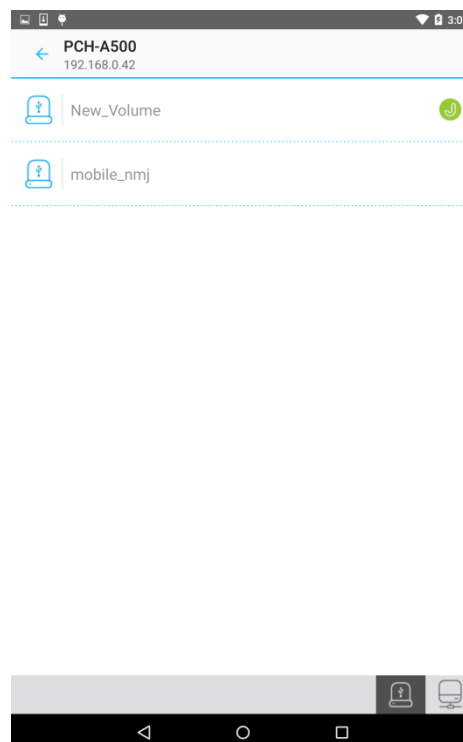
The A-500 PRO audio content can now be controlled through mobile NMJ app.



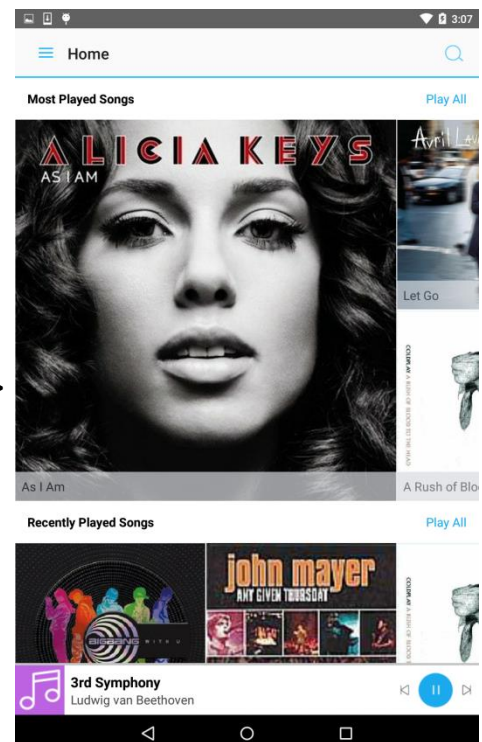
To navigate to the NMJ mobile companion app, you have to first scan IP to select source.




>

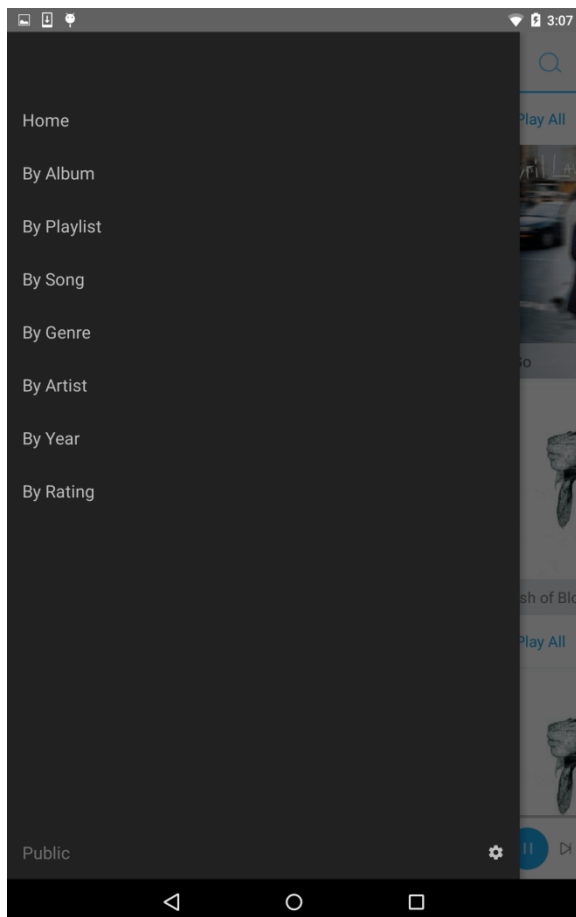


>

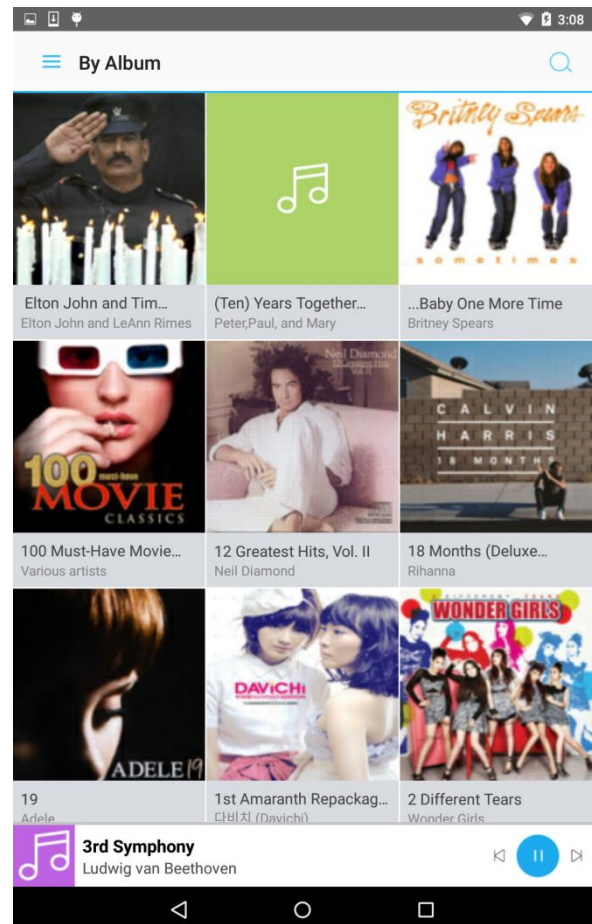




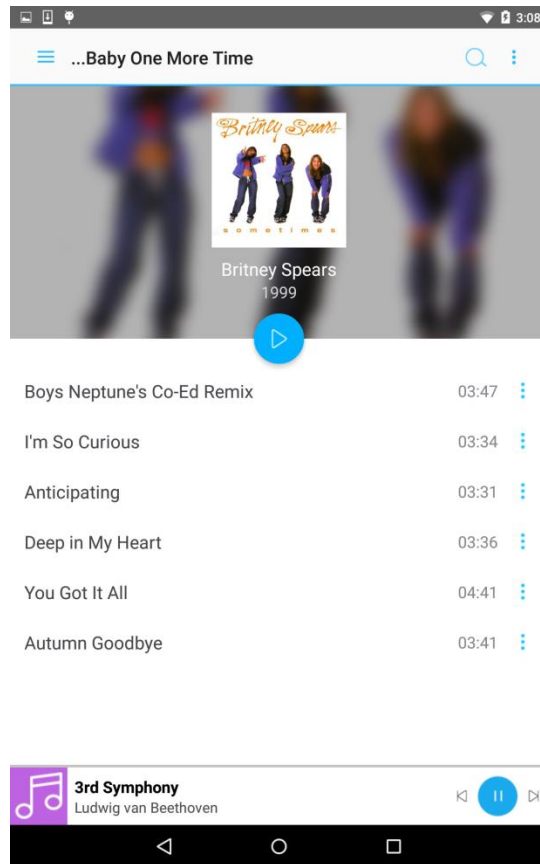
To view music list either by album, playlist, song, genre, artist, year or rating, tap on the  icon on the left upper corner of your Home Screen. You can always **Play/Pause** your music by clicking the Play/Pause icon at the right bottom.



>

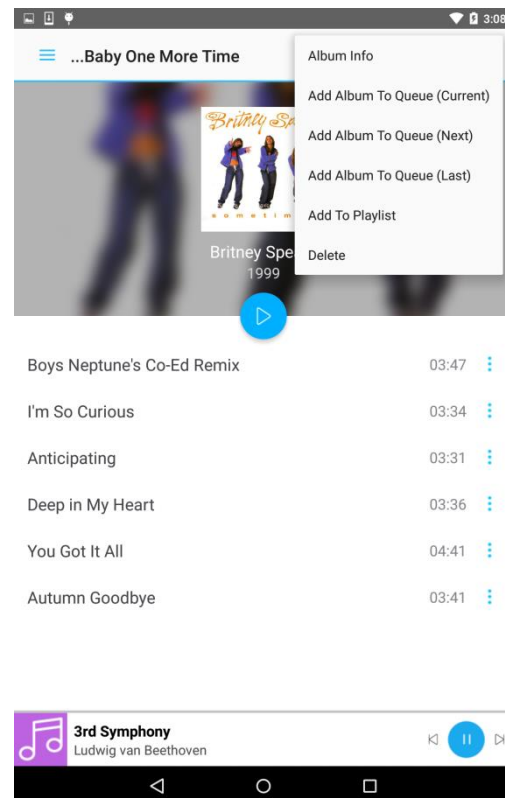


Select your desired music to play. The content that is played will be then shown on your TV display.



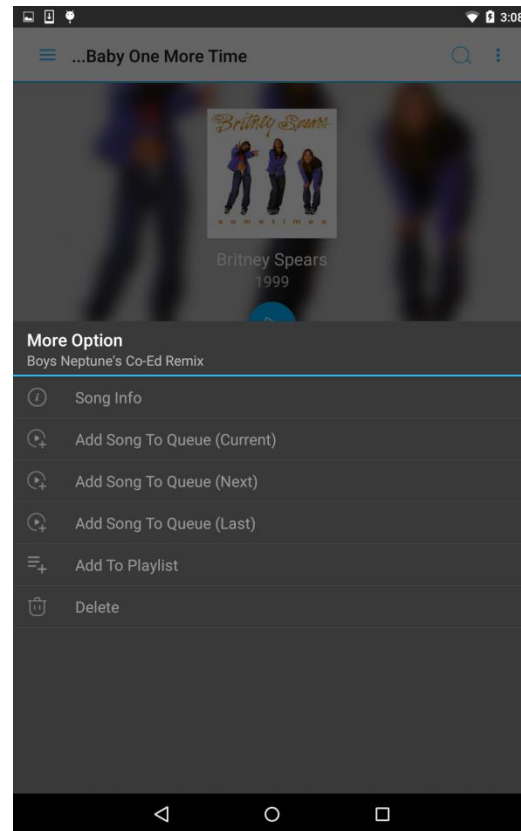
For more information on the album played, click on the top right upper corner of your mobile display

- Album Info
- Add Album to Queue (Current)
- Add Album to Queue (Next)
- Add Album to Queue (Last)
- Add to Playlist
- Delete



For more options on the songs played, click on the icon  on the song and you may choose on the list of options as below:

- Song info
- Add Song to Queue (Current)
- Add Song to Queue (Next)
- Add Song to Queue (Last)
- Add to Playlist
- Delete



## **17. Troubleshooting**

### **My Popcorn Hour A-500 PRO doesn't start - no red LED on the player.**

Please check that the power cord is plugged in and the power-lead is inserted fully into the power terminal.

### **Popcorn Hour A-500 PRO stuck on the splash screen.**

Unplug the player for a few minutes and then try again. If problem persist, please contact our technical support team.

If you have a large HDD connected it may take some time before the user interface appears.

### **Nothing appears on my TV screen after several minutes.**

Check all the cable connections and check your TV settings for the correct TV INPUT.

Still nothing but the unit appears fully powered and connected, on the remote press TV Mode + Red to recover the TV mode setting to Auto.

### **Can't upgrade the firmware - System prompt error.**

Please recycle the power on your Popcorn Hour A-500 PRO and try again.

Check the error code on the WIKI and disconnect the HDD if user apps are causing shutdown issues.

### **I have poor performance from wireless streaming.**

Wireless connection has lower bandwidth compared to wired plus wireless signal strength is vital for smooth video streaming. If the problem persists, you may have to increase the signal level by adding a wireless range extender or bridge and thereby use the Ethernet rather than the USB connection. There is no guarantee that wireless will ever be able to stream successfully as it depends on environmental factors.

### **Apps Market Connection fails.**

Please make sure that you have a valid internet connection. Check DNS servers.

**Remove all Apps from My Apps quickly.**

To remove all apps installed on your Popcorn Hour A-500 PRO. You may want to consider resetting the player to factory default. This will flash the memory on the device and you have a fresh Apps market.

**My ip starts 169.254. What happen?**

Your device cannot obtain an ip from your local network. Check your cables, router, and try an internal static ip.

**Do you have a hardware compatible list?**

Yes, we do. Please visit <http://www.networkedmediatank.com/> wiki for the most current list.

**Why is my WD Green HDD not working well in the player?**

You need to adapt the HDD spindown time using widle3.

**Where can i find more resources to learn more about my new A-500 PRO?**

Please visit our user community forum at [www.networkedmediatank.com](http://www.networkedmediatank.com)

## 18. NMJ Navigator

The NMJ Navigator is an iPad ® app that transform your iPad ® or Android ® tablets into a 2<sup>nd</sup> companion screen for your NMJ database. In order to enjoy this app, you are required to set up at least one NMJ database.

### 18.1 NMJ Navigator Walk-through



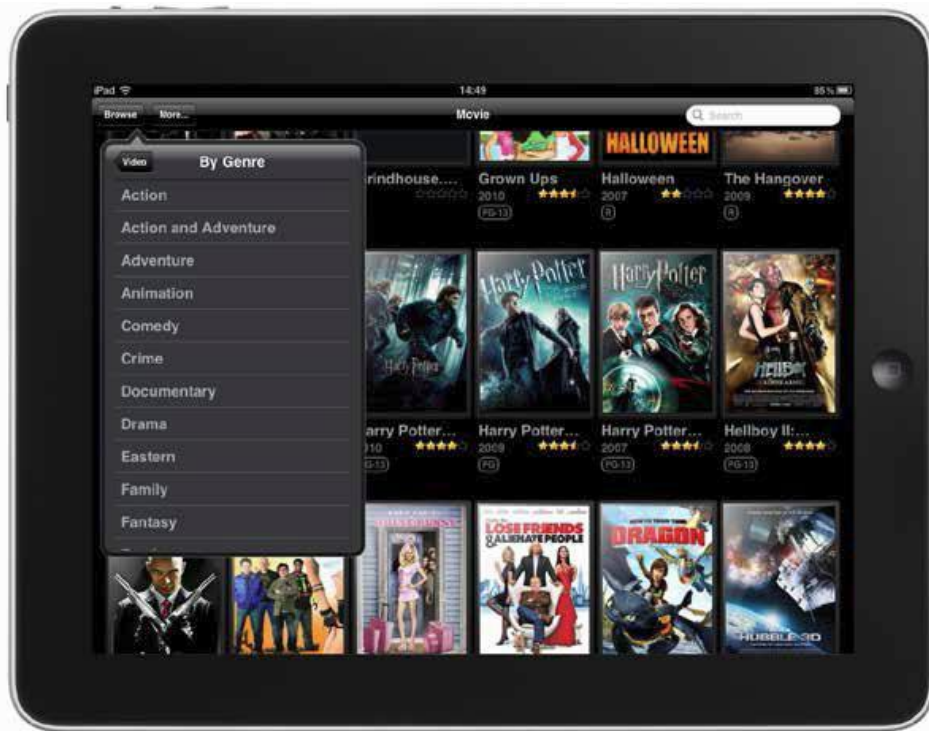
Scan this QR code to  
Download the iOS NMJ  
Navigator.



Scan this QR code to  
download the Android  
NMJ Navigator



<b>Select Device</b>	Select Device If you have more than one NMJ device, proceed here
<b>Local Media</b>	Display your local media NMJ database
<b>Network Media</b>	Display your network shared folder NMJ database



<b>Main Screen</b>	Your movies collection cover-art displaying in the main screen
<b>Browse Tab</b>	Browse by Genre
<b>More.. Tab</b>	Source - Bring back to home screen for source selection Now Playing - Show what media is currently playing in your NMJ device (2 fingers gesture swipe from right to left) Remote Control - Bring up the soft remote for your NMJ device (2 fingers gesture swipe from left to right)
<b>Search Field</b>	Search your NMJ database with movie names etc



<b>Soft remote</b>	Full function remote for your NMJ
<b>Twitter</b>	Share with your friends on twitter what you are watching now
<b>Play</b>	Play selected movie



## 19. Android OS

Preload with Android 6.0.1 (Beta)

**Note:** *Kindly switch your device off before switching your OS (to either NMJ or Android).*

